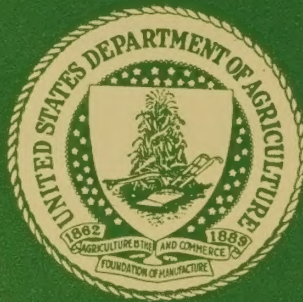


AD-33 Bookplate

**EASTERN REGIONAL RESEARCH
LABORATORY A. R. S.
NATIONAL**

**A
G
R
I
C
U
L
T
U
R
A
L**



LIBRARY

**U.S. DEPARTMENT OF AGRICULTURE
BIBLIOGRAPHY OF AGRICULTURE.**

VOL. 30, 1966, 33493-73225

1,441,012

372-1-4
108
10-40

BIBLIOGRAPHY OF AGRICULTURE

LIBRARY
RECEIVED

JUL 1 1966

U. S. DEPARTMENT OF AGRICULTURE
EASTERN REGIONAL RESEARCH
LABORATORY - U. S.



NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

BIBLIOGRAPHY OF AGRICULTURE

Vol. 30

May 1966

No. 5

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries, abstracts, or translated titles in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

For more detailed coverage of the literature on pests and their control, please consult the Pesticides Documentation Bulletin, a biweekly publication of the National Agricultural Library.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

- Plant Science
- Soils and Fertilizers
- Forestry
- Animal Industry
- Entomology
- Agricultural Engineering
- Agricultural Products
- Agricultural Economics and Rural Sociology
- Food and Human Nutrition
- Miscellaneous

The classified section is followed by the listing of:

- New Periodicals and Serials
- Translations
- USDA Publications
- State Agricultural Experiment Station Publications
- State Agricultural Extension Service Publications
- Food and Agriculture Organization of the United Nations (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

For monographs the title is shown in the original language, followed by the English version. Titles of foreign language articles in serial publications are given in English only; the language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af) Afrikaans	(Ic) Icelandic
(Al) Albanian	(In) Indonesian
(Ara) Arabic	(It) ITALIAN
(Arm) Armenian	(Ja) JAPANESE
(Az) Azerbaijani	(Ka) Kazakh
(Be) Belorussian	(Ko) KOREAN
(Bu) Bulgarian	(La) Latvian
(Bur) Burmese	(Li) Lithuanian
(Ch) CHINESE	(No) NORWEGIAN
(Cz) CZECH	(Pe) Persian
(Da) DANISH	(Pol) POLISH
(Du) DUTCH	(Por) PORTUGUESE
(Es) Estonian	(Rum) Rumanian
(Fi) Finnish	(Rus) RUSSIAN
(Fl) Flemish	(Se) SERBO-CROATIAN
(Fr) FRENCH	(Si) Siamese
(Ge) GERMAN	(Sl) Slovenian
(Geo) Georgian	(Sp) SPANISH
(Gre) GREEK	(Sw) SWEDISH
(He) Hebrew	(Ta) Tadjik
(Hi) Hindi	(Tu) TURKISH
(Hu) HUNGARIAN	(Uk) UKRAINIAN

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Technical Reports. Citations listed with the annotation "CFSTI" followed by price are also available for purchase from the Clearinghouse for Federal Scientific and Technical Information, U. S. Department of Commerce, Springfield, Virginia, 22151.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402
\$14.00 per year, domestic; \$17.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)

CONTENTS

	Item		Item		Item
PLANT SCIENCE	33493-35920	Forest Management and Finance	36630	Swine	38608
General	33493	Farm Woodlands	36689	Breeds and Breeding	38608
Systematic and Geographic		Mensuration, Surveying, Photo-		Feeds and Feeding	38634
Botany	33538	grammetry	36694	Veterinary Medicine	38668
General	33538	Silviculture	36740	Miscellaneous	38736
Spermatophytes	33553	Silvicultural Practices	36800		
Pteridophytes	33652	Regeneration and Breeding	36839	ENTOMOLOGY	38751-39790
Bryophytes	33668			General	38751
Algae	33680	Forest Protection and Damage	36989	Economic	38763
Fungi (Including Lichens)	33695	Fire	37023	General	38763
Pathology	33751	Forest Influences	37032	Medical and Veterinary Pests	38847
General	33751	Miscellaneous Forest Uses	37044	Pests of Field and Truck Crops	38912
Diseases Caused by Fungi	33804	Forest Industries and Trade	37062	Pests of Fruit and Nut Crops	39003
Diseases Caused by Bacteria	34070	Lumbering and Logging	37067	Pests of Ornamentals, Green-	
		Sawmills	37122	houses, and Nurseries	39057
Viruses and Virus Diseases	34096	Processing and Woodworking	37131	Pests of Stored Products and	
Diseases Caused by Nematodes	34178	Seasoning, Conditioning, and		Processed Commodities	39072
Ecology	34223	Finishing	37132	Pests of Trees and Wood	
Morphology, Anatomy, and		Wood Preservation and Damage	37146	Products	39083
Cytology	34292	Forest Products	37166	Apiculture and Apis Mellifera	39131
Genetics	34457	Lumber and Rough Products	37184	Sericulture and the Silkworm	39194
Physiology	34566	Construction	37223	Taxonomic, Geographic, and	
Biochemistry	35132	Veneers, Plywood, and Adhesives	37233	Biological	39206
Field Crops	35347	Furniture	37246	General	39206
General	35347	Containers	37249	Arachnida, Myriapoda, etc.	39241
Cereals	35370	Pulp and Paper	37250	Coleoptera	39308
Fiber Crops	35432	Chemical Products and		Diptera	39394
Forage Crops and Grasses	35438	Distillates	37278	Culicidae	39456
Oil Crops	35510	Naval Stores	37290	Drosophila	39486
Sugar Crops	35520	Other Forest Products	37292	Hemiptera (Heteroptera and	
Tobacco	35537	Wood Technology	37309	Homoptera)	39522
Horticultural Crops	35540	Properties and Structure	37321	Hymenoptera	39568
General	35540	ANIMAL INDUSTRY	37345-38750	Lepidoptera	39610
Fruits—General	35549	Breeds and Breeding	37345	Orthoptera	39699
Fruits—Citrus and Subtropical	35563	Feeds and Feeding	37353	Smaller Orders	39751
Fruits—Deciduous	35571	Veterinary Medicine	37410		
Fruits—Small	35602	Miscellaneous	37562	AGRICULTURAL ENGINEERING	39791-40126
Nuts	35625	Cattle	37584	General and Miscellaneous	39791
Shade Trees and Ornamental		Breeds and Breeding	37584	Farm Machines and Equipment	39804
Plants	35628	Feeds and Feeding	37666	Animal Husbandry Equipment	39868
Vegetable and Truck Crops		Veterinary Medicine	37759	Cultivation and Tillage Equipment	39887
(Including Potatoes)	35697	Miscellaneous	37904	Fertilizing and Planting Equip-	
Weeds and Poisonous Plants	35790	Dogs and Cats	37935	ment	39909
Miscellaneous Economic Plants		Breeds and Breeding	37935	Harvesting Equipment	39923
(Drug, Dye, Rubber, etc.)	35893	Feeds and Feeding	37936	Land Clearing Equipment	39951
SOILS AND FERTILIZERS	35921-	Veterinary Medicine	37938	Processing Equipment Used on	
	36485	Miscellaneous	37992	the Farm	39953
Soil Science	35921	Fur Animals - Pen Raised	37997	Repair, Maintenance, and Con-	
Soil Physics	35929	Breeds and Breeding	37997	struction Equipment	39977
Soil Chemistry and Mineralogy	35965	Feeds and Feeding	38001	Spraying and Dusting Equipment	39988
Soil Biology	36041	Veterinary Medicine	38003	Vehicles	39998
Soil-Plant-Animal Relationships	36082	Miscellaneous	38008	Farm Structures and Rural	
Soil Genesis, Formation, Classi-		Horses and Mules	38010	Housing	40031
fication, and Mapping	36083	Breeds and Breeding	38010	Animal Shelters and Animal	
Soil Management	36129	Feeds and Feeding	38028	Service Buildings	40043
Soil Fertility	36138	Veterinary Medicine	38031	Farmhouses and Farmsteads	40074
Soil Tilth and Tillage	36287	Miscellaneous	38051	Greenhouses and Plant Service	
Drainage, Irrigation, Water		Laboratory Animals, Small	38055	Buildings	40078
Supply, and Flood Control	36305	Breeds and Breeding	38055	Materials and Methods	40090
Erosion and Erosion Control	36428	Feeds and Feeding	38062	Storage Structures	40091
Sanitation		Veterinary Medicine	38065	Walls and Fences	40104
Materials for Soil Improvement	36446	Miscellaneous	38090	Farm Utilities	40107
Chemical Fertilizers	36446	Poultry	38095	Electricity and Electrification	40107
Mineral Soil Amendments	36448	Breeds and Breeding	38095	Heating, Lighting, and Radiation	40116
Fertilizer Technology and		Feeds and Feeding	38122	Power Plants, Motors, and	
Statistics	36449	Veterinary Medicine	38191	Engines on the Farm	40119
Manures and Composts	36479	Miscellaneous	38346	Sewage and Waste Disposal	40121
FORESTRY	36486-37344	Rabbits	38416	Telephones	
General	36486	Breeds and Breeding	38416	Water Supply	40124
Education	36559	Feeds and Feeding	38419		
Policies, Programs, Administra-		Veterinary Medicine	38422		
tion	36586	Miscellaneous	38434		
Legislation and Taxation	36611	Sheep and Goats	38435		
Forest Description and		Breeds and Breeding	38435		
Resources	36615	Feeds and Feeding	38480		
		Veterinary Medicine	38507		
		Miscellaneous	38599		

Item	Item	Item	Item
AGRICULTURAL PRODUCTS:	Consumption and Utilization	Leadership	42168
PROCESSING, DISTRIBUTION,	Distribution, Marketing, and	Rural Organizations and	
AND STATISTICS	Transportation	Movements	42172
40127-41419	41099	Cooperative Organizations	42185
General	Grading, Inspection, Standardiza-	Rural Social Psychology	42214
40127	tion, and Quality	Trade, Foreign and International	42226
Analysis and Composition	41118		
40143	Packing and Packaging	FOOD AND HUMAN NUTRITION	
Consumption and Utilization	41135	42294-42321	
40167	Prices, Price Control, and	General	42294
Distribution, Marketing, and	Rationing	Food Habits	
Transportation	41136	Nutritive and Vitamin Content	42312
40175	Processing and Storage		
Grading, Inspection, Standardiza-	41140	MISCELLANEOUS	42322-42595
tion, and Quality	41154	General	42322
40234	Statistics	Biography	42390
Packing and Packaging	41163	History	42528
40266	Oils and Oilseeds	Home Management	42534
Prices, Price Control, and	Poultry and Poultry Products	International Relations	
Rationing	41227	Meteorology	42557
40277	Rubber and Rubber Substitutes	Personnel	42563
Processing and Storage	41282	Research	42564
40288	Seeds	Statistics	42591
Statistics	41287		
40332	Sugar and Sirups	NEW PERIODICALS AND	
Beverages and Condiments	41321	SERIALS	p. 278
40361	Tobacco		
Dairy Products	41387	TRANSLATIONS	p. 279
40420	Miscellaneous Products		
Analysis and Composition	41398	U. S. D. A. PUBLICATIONS	p. 285
40455	AGRICULTURAL ECONOMICS AND		
Consumption and Utilization	RURAL SOCIOLOGY	STATE AGRICULTURAL	
40508	41420-42293	EXPERIMENT STATION	
Distribution, Marketing, and	General	PUBLICATIONS	p. 288
Transportation	41420		
40511	Agricultural Finance	STATE AGRICULTURAL	
Grading, Inspection, Standardiza-	41488	EXTENSION SERVICE	
tion, and Quality	41525	PUBLICATIONS	p. 296
40549	Credit		
Packing and Packaging	41543	FAO PUBLICATIONS	p. 298
40574	Income		
Prices, Price Control, and	Inflation	PERSONAL INDEX	p. 301
Rationing	41553		
40589	Insurance	ORGANIZATIONAL INDEX	p. 323
Processing and Storage	41560		
40592	Agricultural Labor and Wages		
Statistics	41579		
40654	Agriculture - Situation, Policies,		
Feed and Forage Crops	and Programs		
40656	Subsidies		
Fibers and Textiles	41650		
40694	41778		
Fruits, Vegetables, and Nuts	Cost and Standard of Living		
40759	41779		
Analysis and Composition	Farm Management and Land		
40785	Economics		
Consumption and Utilization	41781		
40806	Bookkeeping and Records		
Distribution, Marketing, and	41885		
Transportation	Costs and Returns		
40808	41906		
Grading, Inspection, Standardiza-	Land Settlement and Colonization		
tion, and Quality	41942		
40837	41945		
Packing and Packaging	Land Tenure		
40859	41978		
Prices, Price Control, and	Land Utilization		
Rationing	42010		
40870	Land Values and Valuation		
Processing and Storage	42018		
40878	Population		
Statistics	42038		
40938	Rural Social Organization		
Grain and Grain Products	42057		
40944	Human Ecology		
Honey and Beeswax	42077		
41050	Institutions		
Livestock and Livestock Products			
41061			
Analysis and Composition			
41087			

PLANT SCIENCE

GENERAL

- 33493 CIOBANU, I., DIACONEASA, B., and SUTEU, S. Analysis of pollen from swamps Taul Muced. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):41-46. 1965. 442.9 C62
Russian and French summary.
- 33494 CSAPODY, I. Rules concerning nomenclature of plants. (Hu) Erdogazdasag Faipar 20(1):13-14. Jan. 1966. 99.8 Er2
- 33495 CSUROS-KAPTALAN, M. Some new data on the vegetation of district Turda. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):27-28. 1965. 442.9 C62
Russian and French summary.
- 33496 DECEI, I. Trees of exceptional sizes. (Rum) Rev. Padurilor 80(6):325-326. June 1965. 99.8 R327
- 33497 GOOS, R. D., and POLLACK, F. G. An illustration of the need for multiple techniques for the preservation of fungus cultures. Mycologia 57(6):975-977. Nov./Dec. 1965. 450 M99
- 33498 GUNAR, I. I., and FANTALOV, C. S. Laboratory of the Artificial Climate of the Timiryazev Agricultural Academy (Timiryazevskaya Sel'skokhozyaistvennaya Akademiya Laboratoriya Iskusstvennogo Klimata). (Rus) Timiryazevskaya Sel'skokhoz. Akad. Izv. 4:220-240. 1965. 106 P44
Phytotrons.
- 33499 JEZEK, B. Experiments with the cytostatic effect of Agaricaceae. Preliminary report. (Cz) Mykol. Sb. 42(7/8):101-102. Oct. 1965. 450 C27
- 33500 JOINT MEETING OF THE NORTHERN AND SOUTHERN CALIFORNIA SOCIETIES OF ELECTRON MICROSCOPISTS, BIOLOGICAL SESSIONS, BERKELEY, 1965. Abstracts of papers. J. Ultrastruct. Res. 13(5/6):560-567. Dec. 1965. 440.8 J822
Includes papers on plant research.
- 33501 KESTELOOT, E. The conservation of nature, its problems and exigency. (Fr) Natur. Mons Borinage. Bull. 47(1/3):7-15. Jan./Mar. 1964. 410.9 N212
Includes vegetation.
- 33502 KREMP, G. O. W. Morphologic encyclopedia of palynology; an international collection of definitions and illustrations of spores and pollen. Tucson, 1965. 185 p. Ref. (Arizona. University. Program in Geochronology. Contribution No. 100) QE993.K7
- 33503 MAI, D. H. The change in flora during the newer Tertiary in Central Europe. (Ge) Feddes Repert. 70(1/3):157-169, map. Ref. Mar. 30, 1965. 450 R29
- 33504 MALONE, C. R., and PROCTOR, V. W. Dispersal of *Marsilea mucronata* by water birds. Amer. Fern J. 55(4):167-170. Ref. Oct./Dec. 1965. 450 Am35
- 33505 MASLOV, V. P. Kopetdagaria—a new tribe of verticillate Siphonea (green algae). (Rus) Akad. Nauk SSSR. Dokl. 164(5):1154-1158. 1965. 511 P444A
- 33506 MATSUMURA, Y. Botanical visit to Europe. Amatores Herb. 26(3):35-39. Nov. 10, 1965. 450 Am12
- 33507 MATTEN, L. C. Contributions to the Upper Devonian flora of New York. Diss. Abs. 26(6):2999-3000. Dec. 1965. 241.8 M58
- 33508 MEIER, N. R. Upper Pleistocene flora of the Valdai Hills. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:10-14. Mar./Apr. 1965. 442.9 M854
- 33509 MENON, V. K., MALAVIYA, M., and RAO, A. R. Notes on some fossil sclereids. Cur. Sci. 34(22):642-644. Nov. 20, 1965. 475 Sci23
Found on fossil woods.
- 33510 METCALF, L. J. Notes from the Christchurch Botanic Gardens. New Zeal. Plants Gard. 6(3):125-129. June 1965. 80 N4824
Plant varieties in the Botanic Gardens.
- 33511 MOLISCH, H., and BIEBL, R. Botanische Versuche und Beobachtungen ohne Apparate; ein Experimentierbuch für jeden Pflanzenfreund [Botanical experiments and observations without apparatus; a book of experiments for every plant lover]. Ed. 4, rev. and enl. Stuttgart, Fischer, 1965. 203 p. Ref. QK51.M6
- 33512 NESTEROV, V. G., and KUZNETSOV, E. V. Application of simplex method in determination of the best methods in plant culture. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:515-519. 1965. 20 M857
Cybernetics.
- 33513 NESTEROV, V. G. Equation system in finding the best methods for plant culture and animal husbandry. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:507-513. 1965. 20 M857
Cybernetics.
- 33514 NEW YORK BOTANICAL GARDEN. Biographical notes upon botanists, compiled by John Hendley Barnhart. Boston, Hall, 1965. 3 v. QK26.N4
- 33515 NURNBERG, U. Biologie und Geschichte unserer Kulturpflanzen [Biology and history of our cultivated plants]. Kleine Naturwiss. Bibl. Reihe Biol. 1, 144 p., map. Ref. 1965. 442.8 K67
Grain, root crops, oil plants, and fiber plants.
- 33516 PARSHIKOV, V. M. The performance of the Institute of Botany of the Ukrainian Academy of Science in 1962. U. S. Joint Publ. Res. Serv. [Transl.] Activ. Acad. Sci. Ukr. SSR, Sept. 12, 1963:37-49. (JPRS 21,058; OTS 63-31753; CSO 1878-D) 173 J663Ack
Translation from Ukrain's'kyi botanichny Zhurnal 20(2):115-121. 1963.
- 33517 POP, E., BOSCAIU, N., and DIACONEASA, B. Pollen analysis of peat deposits of Tau-Baitii, Visau district, region Maramures. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):37-40. 1965. 442.9 C62
French summary.
- 33518 POP, E., DIACONEASA, B., and BOSCAIU, N. Pollen studies of peat deposits of Taul Negru. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):37-39. 1965. 442.9 C62
French summary.
- 33519 POSTLETHWAIT, S. N. A multifaceted approach to teaching botany. Ind. Acad. Sci. Proc. 74:152-153. 1964, pub. 1965. 500 In2
- 33520 RAO, V. S. A plea for the adoption of trees as state emblems. Indian Forest. 91(10):689-693. Oct. 1965. 99.8 In2
- 33521 RASCHKE, K. The soap bubble porometer (measuring stomatal width in amphistomatic leaves). (Ge) Planta 66(2):113-125. 1965. 450 P693
English summary.
- 33522 ROTHWELL, V. T., and KEMP, J. G. A grass clipper for laboratory use. Can. J. Plant Sci. 46(1):97-98. Jan. 1966. 450 C16
- 33523 SCHMIDT, H. The "Hortus Elthamensis" from the library of Carl von Linne. (Ge) Feddes Repert. 70(1/3):69-108. Mar. 30, 1965. 450 R29
- 33524 SIMPSON, F. W. Flora of the Coralline and Red Craggs of east Suffolk. Suffolk Natur. Soc. Trans. 13(1):7-10. Feb. 1965. 410.9 Su2
- 33525 SMILEY, C. J. Cretaceous floras from Kuk River area, Alaska: stratigraphic and climatic interpretations. Geol. Soc. Amer. Bull. 77(1):1-13. Ref. Jan. 1966. 403 G29
- 33526 SOLDATENKOVA, YU. P. Some data on vegetation of Salekhard region (Angalsky cape). (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:53-64. Ref. May/June 1965. 442.9 M854
- 33527 SOMA, K. Ephedra pollen from the tertiary sediment of Japan. Tohoku Univ. Sci. Rep. Ser. 4 (Biol.) 31(3):243-246. Ref. Sept. 1965. 513 T574Ab

- 33528 SORSA, P. Pollen analysis research on late Quarternary vegetation and climatic development in eastern North Finland. (Ge) Ann. Bot. Fenn. 2(4):301-413, map. Ref. 1964. 450 An79
- 33529 SPIZEK, J., and others. Metabolites of *Streptomyces noursei*. V. Relation of the production of cycloheximide and actiphenol to the production of fungicidin. -*Fol. Microbiol.* 10(5):263-266. 1965. 448.3 C332
I. Malek, J. Suchy, M. Vondracek, and Z. Vanek, joint authors.
- 33530 STOCKMANS, F., and WILLIERE, Y. Baltic amber, fossil resins from Belgium and elsewhere. (Fr) *Natur. Belg.* 46(5):193-202. Ref. 1965. 410.9 N21
Includes fossil plants and insects.
- 33531 SUKACHEV, V. N., and SOKOLOVSKAIA, V. T. The Likhvin interglacial flora in the environs of Moscow. (Rus) *Akad. Nauk SSSR. Dok.* 165 (1):194-197. 1965. 511 P444A
- 33532 SUZUKI, K., and SOMA, K. The Late Pleistocene stratigraphy and palaeobotany of the Koriyama Basin. *Tohoku Univ. Sci. Rep. Ser. 4 (Biol.)* 31(3):217-242, map. Ref. Sept. 1965. 513 T574Ab
- 33533 TATEWAKI, M. A visit to the Royal Botanic Gardens, Kew and Edinburgh. 1. (Ja) *Natur. Sci. Mus.* 32(1/2):19-30. 1965. 409.6 Sh6
- 33534 TSUMURA, K. Some interesting fossil diatoms. (Ja) *Amatores Herb.* 26(3):4-8. Ref. Nov. 10, 1965. 450 Am12
- 33535 VASARI, Y. Studies on the vegetational history of the Kuusamo district (north east Finland) during the late-quaternary period. III. Maanselansuo, a late-glacial site in Kuusamo. *Ann. Bot. Fenn.* 2(3):219-235. Ref. 1965. 450 An79
- 33536 VOLOGDIN, A. G. Discovery of algal remains in the Murandav series of the Malii Khingan. (Rus) *Akad. Nauk SSSR. Dok.* 164(3):677-680. 1965. 511 P444A
- 33537 WINGHE, A. VAN. The forest of Dieleghem. (Fr) *Natur. Belg.* 46(6):298-303. July/Aug. 1965. 410.9 N21
A botanic garden in Belgium.
- 33546 PARENT, G. H. The flora in the vicinity of Tintange; the vegetation and its historic evolution. (Fr) *Natur. Belg.* 46(5):203-225. Ref. June 1965. 410.9 N21
In Luxemburg.
- 33547 QURESHI, M. A. Flora of Peshawar District & Khyber Agency I. Pakistan J. Forest. 15(4):364-393, map. (Cont.) Oct. 1965. 99.8 P17
- 33548 THOTHATHRI, K. A contribution on some plants from Champaran District, North Bihar. *Indian Forest.* 91(10):743-746. Ref. Oct. 1965. 99.8 In2
- 33549 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. Salicaceae of Nevada. U. S. Agr. Res. Serv. Nat. Arboretum Crops Res. Div. Contrib. Flora Nev. 50, 59 p. 1965. 1.965 P2C76
Populus, by E. L. Little; Salix, by W. A. Archer.
- 33550 UTE, K., and NAITO, K. On the flora of Island of Niijima, Prov. Izu. 1-2. (Ja) *J. Geobot.* 13 (3):91-93; (4):122-125. Feb.-Mar. 1965. 450 H68
- 33551 WELLS, M. J. The vegetation of the Jack Scott Nature Reserve. *Fauna Flora* 15:17-25. 1964. 410 F276
- 33552 WILD, H. Suggestions for the application of experimental taxonomic techniques to species indigenous to Rhodesia and neighbouring territories in Africa. *Mo. Bot. Gard. Ann.* 52(3):476-484. Ref. Sept. 1965. 451 M69

Spermatophytes

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 33538 AHLUWALIA, K. S. Contribution to the flora of Mount Abu. *Indian Forest.* 91(11):824-828. Nov. 1965. 99.8 In2
- 33539 EUDES, M. J. The local flora of the Bonaventura Island. (Fr) *Natur. Can.* 92(6/7):141-192, map. June/July 1965. 410 N216
- 33540 HAMET-AHTI, L. Vascular plants of Wells Gray Provincial Park and its vicinity, in eastern British Columbia. *Ann. Bot. Fenn.* 2 (2):138-164, map. Ref. 1965. 450 An79
Includes ecology.
- 33541 HEYWOOD, V. H. Flora Europaea; notulae systematicae ad floram europaeam spectantes. Notulae. 5, 1964. *Feddes Repert.* 70(1/3):4-6. Mar. 30, 1965. 450 R29
Descriptions in English or French.
- 33542 JACKSON, G., and GARTLAN, J. S. The flora and fauna of Lolui Island, Lake Victoria. A study of vegetation, men and monkeys. *J. Ecol.* 53(3):573-597, map. Ref. Nov. 1965. 450 J829
- 33543 JELLYMAN, A. D. Notes from Pukekura Park. New Zeal. Plants Gard. 6(3):140-143. June 1965. 80 N4824
On the flora in this region.
- 33544 LINEHAN, P. A. Report of the ISTA Nomenclature Committee, 1962-1965. *Int. Seed Testing Ass. Proc.* 30(2):409-412. 1965. 61.9 In84P
Standardization of plant names for the International Seed Testing Association.
- 33545 PALL, S. New data on the flora in the valley of Tirnavei Mari River. (Rum) *Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol.* 10(2):29-31. Ref. 1965. 442.9 C62
French summary.
- 33553 ACTION, W. I. Two unusual flowers. *Cactus Succulent J. Great Brit.* 27(4):80. Nov. 1965. 450 C113
Frailea pumila and *Parodia maassii*.
- 33554 ANDRYSIK, Z. On the geographic distribution of mountain ash [*Sorbus aucuparia*]. (Cz) *Ziva* 13(3):100-101. May 1965. 409.6 Z6
- 33555 BACKER, C. A., BAKHUIZEN, R. C., and BRINK VAN DEN. Flora of Java (Spermatophytes only). Vol. II: Angiospermae, families 111-160. Groningen, Noordhoff, 1965. 641 p., map. Ref. 460.21 B12Fa
Includes ecology.
- 33556 BARDENAS, E. A. Morpho-taxonomic studies of *Oryza glaberrima* Steud. and its related wild species, *O. breviligulata* A. Chev. et Roehr. and *O. stapfii* Roschev. *Laguna*, 1965. 26, 30 p. Ref. QK495.G74B3
Thesis (M.S.)—University of the Philippines.
- 33557 BOWDEN, W. M. Cytotaxonomy of the Eurasiatic and South American species of the barley genus, *Hordeum* L. *Can. J. Genet. Cytol.* 7(3):394-399. Ref. Sept. 1965. 443.8 C16
- 33558 BRUCHER, H. *Solanum oceanicum* spec. nov., a wild potato from the Pacific Coast of Chile. (Ge) *Feddes Repert.* 70(1/3):136-143. Ref. Mar. 30, 1965. 450 R29
- 33559 BUINING, A. F., and DONALD, J. D. Revision of the genus *Rebutia*. *Cactus Succulent J. Great Brit.* 27(3):57-59; (4):80. Aug.-Nov. 1965. 450 C113
- 33560 BULLOCK, A. A. *Hypoestes taeniata* (Acanthaceae). *Curtis's Bot. Mag. (n.s.)* 175(4):tab. 477 and text. Nov. 19, 1965. 450 C94
- 33561 BURTT, B. L. *Streptocarpus pusillus* (Gesneriaceae). *Curtis's Bot. Mag. (n.s.)* 175(4):tab. 478 and text. Nov. 19, 1965. 450 C94
- 33562 BUTCHER, H. P. Collecting at Chiriqui and Buena Vista—notes from Panama. *Amer. Orchid Soc. Bull.* 34(8):706-707. Aug. 1965. 80 Am329
- 33563 CAYOUILLE, R. *Antennaria* in the Saint John lake area. (Fr) *Natur. Can.* 92(3/5):134-140. Ref. Mar./May 1965. 410 N216
Antennaria canadensis, *A. neodiocia* and *A. neglecta*.

- 33564 CHRTEK, J., and JIRASEK, V. *Poa deylii* sp. nova, a new bluegrass in the Carpathians. (Ge) Feddes Rept. 69(3):176-180. Ref. Oct.15, 1964. 450 R29
- 33565 CLELAND, J. B. *Aristida behriana*. S. Australian Natur. 40(2):27. Dec.1965. 410 So82
- 33566 CREEL, G. C. Biosystematic comparison of species in the genus *Agropyron* Gaertn. with particular emphasis on serological studies. Diss. Abs. 26(7):3592. Jan.1966. 241.8 M58
- 33567 CROSSWHITE, F. S. Revision of *Penstemon* section *Penstemon* (Scrophulariaceae). II. A western alliance in series *Graciles*. Amer. Midland Natur. 74(2):429-442, map. Oct. 1965. 410 M58
Includes n. spp.
- 33569 DONALD, J. D. Further new *Rebutias*. Cactus Succulent J. Great Brit. 27(4):78-80. (Concl.) Nov.1965. 450 C113
- 33569 DRESSLER, R. L. Notes on the genus *Govenia* in Mexico (Orchidaceae). Brittonia 17(3):266-277. July 1965. 450 B77
- 33570 DVORAK, F. *Hesperis sylvestris* Crantz. (Cz) Ziva 13(3):98. May 1965. 409.6 Z6
Geographic distribution.
- 33571 EDLIN, H. L. A modern sylvia or a discourse of forest trees. 16. Willows: *Salix* spp. Quart. J. Forest. 60(1):23-34. Jan.1966. 99.8 Q2
- 33572 EILART, J. *Rubus arcticus* in the Estonian S.S.R. (Es) Eesti Loodus 1:38. Jan./Feb. 1965. 409.6 Ee7
- 33573 ELKINGTON, T. T. Studies on the variation of the genus *Dryas* in Greenland. Meddelelser Gronland 178(1), 56 p., map. Ref. 1965. 502 C792
- 33574 EMBODEN, W. A. Terpenes as taxonomic characters with especial reference to introgression. Diss. Abs. 26(6):2995-2996. Dec. 1965. 241.8 M58
With reference to *Salvia*.
- 33575 FARIS, D. G. The origin and evolution of the cultivated forms of *Vigna sinensis*. Can. J. Genet. Cytol. 7(3):433-452, map. Ref. Sept. 1965. 443.8 C16
- 33576 FERGUSON, I. K. The genera of *Caprifoliaceae* in the Southeastern United States. Arnold Arboretum. J. 47(1):33-59. Ref. Jan.1966. 451 Ar6J
- 33577 FINLAY, J. P. Plants in New Zealand poisonous to man. Wellington, N. Z., 1964. 41 p. (New Zealand. Department of Health. Pamphlet No.147) 452.83 F49
Spermatophyta.
- 33578 FRIZICKY, G. K. The genera of *Sterculiaceae* in the Southeastern United States. Arnold Arboretum. J. 47(1):60-74. Jan.1966. 451 Ar6J
- 33579 GAMBARYAN, P. Taxonomic analysis of the genus *Pinus* L. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(8):75-81. Aug.1965. 20 Er4
- 33580 GOODING, E. G. B., LOVELESS, A. R., and PROCTOR, G. R. Flora of Barbados. London, 1965. 486 p., map. Ref. (Great Britain. Ministry of Overseas Development. Overseas Research Publication, No.7) QK231.B3G6
Spermatophyta.
- 33581 GORDON-GRAY, K. D. *Acacia robusta* Burch. and *Acacia claviger* E. Mey. in Natal, South Africa. Brittonia 17(3):202-212, map. July 1965. 450 B77
- 33582 GREEN, P. S. Identification of species and hybrids in the *Lonicera tatarica* complex. Arnold Arboretum. J. 47(1):75-88. Jan.1966. 451 Ar6J
- 33583 HEISER, C. B., SORIA, J., and BURTON, D. L. A numerical taxonomic study of *Solanum* species and hybrids. Amer. Natur. 99(909):471-488. Ref. Nov./Dec.1965. 470 Am36
- 33584 HOFFMANOVA, E. Baobab, the national tree of the Senegal. (Cz) Ziva 13(5):163-164. Sept. 1965. 409.6 Z6
Adansonia digitata.
- 33585 HRUBA, Z. The occurrence of *Telekia speciosa* (Schreb.) Baumg. in the Svitavy area. (Cz) Ziva 13(1):15. Jan.1965. 409.6 Z6
- 33586 HULAN, B. *Sciadopitys verticillata*. (Cz) Ziva 13(6):215. Nov.1965. 409.6 Z6
- 33587 HUNT, P. F. *Polystachya bella* (Orchidaceae). Curtis's Bot. Mag. (n.s.) 175(4):tab.476 and text. Nov.19, 1965. 450 C94
- 33588 JEFFREY, C. *Poliathyrsis sinensis* (Flacourtiaceae). Curtis's Bot. Mag. (n.s.) 175(4):tab. 480 and text. Nov.19, 1965. 450 C94
- 33589 KALELA, A. On the *Carex brunescens* (Pers.) Poir. complex. (Ge) Ann. Bot. Fenn. 2(2):174-218, map. Ref. 1965. 450 An79
Chiefly nomenclature and varieties.
- 33590 KĀTAKI, S. K., and SASTRY, A. R. K. Notes on the distribution of *Bulleyia yunnanensis* Schltr. in India. Indian Forest. 91(12):862-863. Dec.1965. 99.8 In2
- 33591 KENNETT SQUARE, (PA.) LONGWOOD GARDENS. Plants growing in conservatories and gardens, May 1965. Kennett Square, Pa., 1965. 189 p. 452.5 K39
Spermatophyta.
- 33592 KERFOOT, O. Check list of vascular plants occurring on the Atumatak (Lodoketemit) catchment area, Pian County, Karamoja, Uganda. East Afr. Agr. Forest. J. 30(4):339-344. Apr.1965. 24 Ea74
Spermatophyta.
- 33593 KIHARA, H., YAMASHITA, K., and TANAKA, M. *Aegilops tauncialis* from Afghanistan and Iran. Wheat Inform. Serv. 19/20:1-4. Mar. 1965. 463.69 W56
- 33594 KIHARA, H., YAMASHITA, K., and TANAKA, M. Morphological, physiological, genetical and cytological studies in *Aegilops* and *Triticum* collected from Pakistan, Afghanistan and Iran. Wheat Inform. Serv. 19/20:5-8. Mar.1965. 463.69 W56
- 33595 KIKUCHI, M., MOCHIZUKI, R., and TAKAHASHI, M. On the flora of Mt. Goyo, Iwate-ken, Japan. 5-6. (Ja) J. Geobot. 13(3):87-90; (4): 118-121. Feb.-Mar.1965. 450 H68
- 33596 KING, R. M., and ROBINSON, H. Generic limitations in the *Hofmeisteria* complex (Compositae-Eupatorieae). Phytologia 12(8):465-476. Ref. Feb.1966. 450 P563
Taxonomy and morphology.
- 33597 KING, R. M. *Piqueriopsis*, a new genus of Compositae from southwestern Mexico. Brit. tonia 17(4):352-353. Oct.1965. 450 B77
- 33598 KLAPP, E., FOERSTER, E., and BOEKER, P. Taschenbuch der Graser [Handbook of grasses]. Ed. 9, rev. Berlin, Parey, 1965. 260 p. Ref. QK495.G74K55
Taxonomy and ecology chiefly.
- 33599 KOYAMA, H. Cytotaxonomic studies of Compositae. I. Species problem on *Syneilesis tagawa*. Acta Phytotaxonom. et Geobot. 21(5/6): 129-132. Aug.1965. 450 Ac83
Chromosome numbers.
- 33600 KRUIZBERSKY, A. *Metasequoia* in the Opava area. (Cz) Ziva 13(5):172-173. Sept.1965. 409.6 Z6
Ecology of *Metasequoia glyptostroboides*.
- 33601 KUNKEL, G. On *Trichomanaceae* [fam. nov.] and "*Trismeriaceae*." (Ge) Feddes Rept. 70(1/3):155-156. Mar.30, 1965. 450 R29
- 33602 LAKELA, O. A flora of northeastern Minnesota. Minneapolis, Univ. Minn. Press, 1965. 541 p., map. Ref. QK168.L3
Spermatophyta and Pteridophyta.

- 33603 LAURIE, M. V. Botanical name changes from the user's point of view. Oxford Univ. Forest Soc. J. (ser.5)13:24-28. Ref. 1965. 99.9 Ox2 Nomenclature of trees.
- 33604 LEIGHTON-BOYCE, G. G. Some dwarf Opuntias. Cactus Succulent J. Great Brit. 27(4): 72-73. Nov.1965. 450 C113
- 33605 LLOYD, R. M. A new species of Fremontodendron (Sterculiaceae) from the Sierra Nevada foothills, California. Brittonia 17(4):382-384. Oct.1965. 450 B77
- 33606 MADDAMS, W. F., and MADDAMS, B. Succulents in the National Botanic Gardens, Dublin. Cactus Succulent J. Great Brit. 27(4): 70. Nov. 1965. 450 C113
- 33607 MĀRAIS, W. Gladiolus aureus (Iridaceae). Curtis's Bot. Mag. (n.s.)175(4):tab.479 and text. Nov.19,1965. 450 C94
- 33608 MARKS, G. C. Castilleja coccinea in the yellow form. Ind. Acad. Sci. Proc. 74:314. 1964, pub.1965. 500 In2 Taxonomic.
- 33609 MASAMUNE, G., and SATOMI, N. Distribution maps of Orchidaceae in Japan. 22. (Ja) J. Geobot. 13(4):97, map. Mar.1965. 450 H68 Orchis lepida.
- 33610 MATHEN, O. M. A taxonomic comparison of Aureolaria, Agalinis and Tomanthera. Diss. Abs. 26(6):2999. Dec.1965. 241.8 M58
- 33611 MATSUURA, S. Notice on distribution of plants in Izu and Hakone. 1. New locality of Tricyrtis nana. (Ja) J. Geobot. 13(4):117. Mar.1965. 450 H68
- 33612 MEIKLE, R. D. Pulsatilla halleri subsp. grandis (Ranunculaceae). Curtis's Bot. Mag. (n.s.)175(4):tab.475 and text. Nov.19,1965. 450 C94
- 33613 MOLDENKE, H. N. Materials toward a monograph of the genus Lippia. VIII. Phytologia 12 (8):480-506. Feb.1966. 450 P563
- 33614 MOLDENKE, H. N. Notes on new and noteworthy plants. XLII. Phytologia 12(8):477-480. Feb.1966. 450 P563 Includes n. spp. in Lippia and Verbena.
- 33615 MOORE, H. E. Aristeyera, a new genus of geonoid palms. Arnold Arboretum. J. 47(1):1-8. Jan.1966. 451 Ar6J
- 33616 NG, F. S. P. A guide to the arboreta at Kepong and Changlun. Malayan Forest 28(4):289-306, map. Oct.1965. 99.8 M292
- 33617 NOMURA, Y. Celtis leveillei Nakai from Shikoku. (Ja) J. Geobot. 13(3):96. Feb.1965. 450 H68
- 33618 NORMAN, E. M. A reevaluation of Buddleia corrugata. Madrono 18(3):92-96, map. July 1965. 450 M26
- 33619 NYEKES, I. The cornelian cherry dogwood [Cornus mas L.] of Csaszlo. (Hu) Erdo 14(12): 566-567. Dec.1965. 99.8 Er22
- 33620 OKUHARA, H. Ilex leucoclada was collected at Kiso-dani in Nagano Prefecture. (Ja) J. Geobot. 13(4):126. Mar.1965. 450 H68
- 33621 PAVELKA, J. Cleistocactus strausii. (Cz) Ziva 13(6):218. Nov.1965. 409.6 Z6
- 33622 PAZOUT, F. Phyllocactus. (Cz) Ziva 13(6): 218. Nov.1965. 409.6 Z6
- 33623 PESEK, F., and KUTILEK, J. Leontopodium alpinum Cas. (Cz) Ziva 13(5):175-176. 409.6 Z6
- 33624 PHILLIPS, G. A. R. Eremurus species and hybrids. New Zeal. Plants Gard. 6(3):118-120. June 1965. 80 N4824
- 33625 PILAT, A. Echinocystis lobata. (Cz) Ziva 13 (6):213. Nov.1965. 409.6 Z6
- 33626 PILAT, A. Two interesting varieties of Meliaceae. (Cz) Ziva 13(5):175. Sept.1965. 409.6 Z6 Melia azedarach and Cedrela sinensis.
- 33627 POST, R. E. Cattleya dowiana. Amer. Orchid Soc. Bull. 34(9):807-810, map. Sept.1965. 80 Am329 Taxonomy; includes hybrids.
- 33628 POTMESILOVA, J. Utricularia exoleta R. Brown. (Cz) Ziva 13(4):153-154. July 1965. 409.6 Z6
- 33629 PURCELEAN, S. The occurrence of Fagus sylvatica L. in the upper basin of TX Teleajen River. (Rum) Rev. Padurilor 80(6):312-315. Ref. June 1965. 99.8 R327
- 33630 RAIZADA, M. B. The identity of Cordia lowriana Brandis & C. furcans Johnston. Indian Forest. 91(12):848-850. Dec.1965. 99.8 In2
- 33631 RAVEN, P. H., and MOORE, D. M. A revision of Boissduvalia (Onagraceae). Brittonia 17(3): 238-254, map. July 1965. 450 B77
- 33632 ROUMPANES, B. S. Sequoia gigantea. (Grē) Dassika Chron. 7(7/8):289-304, map. July/Aug.1965. 99.8 D263 In California.
- 33633 RUDD, V. E. The American species of Ormosia (Leguminosae). U. S. Nat. Mus. Contrib. U. S. Nat. Herb. 32(5):279-384, map. 1965. 450 C76 Includes n. spp.
- 33634 SAKAMOTO, S., and MURAMATSU, M. Gramineae collected by the KUSE (1955) from Pakistan, Afghanistan and Iran. Wheat Inform. Serv. 19/20:24-44. Mar.1965. 463.69 W56 Kyoto University Scientific Expedition.
- 33635 SATOMI, N. Lithospermum zollingeri A. DC. from Kikaigashima, Kagoshima Prefect. (Ja) J. Geobot. 13(4):109. Mar.1965. 450 H68
- 33636 SCHERY, R. W. This remarkable Kentucky bluegrass. Mo. Bot. Gard. Ann. 52(3):444-451. Ref. Sept.1965. 451 M69 Poa pratensis.
- 33637 SCHNEIDER, U. The subspecies of the genus Odontites in north Germany. (Ge) Feddes Repert. 69(3):180-195, map. Ref. Oct.15,1964. 450 R29 East Germany and West Germany.
- 33638 SEALY, J. R. Dombeya cayeuxii (Sterculiaceae). Curtis's Bot. Mag. (n.s.)175(4):tab.473 and text. Nov.19,1965. 450 C94 A hybrid of D. mallichi and D. mastersi.
- 33639 SEALY, J. R. Iris rosenbachiana (Iridaceae). Curtis's Bot. Mag. (n.s.)175(4):tab.483 and text. Nov.19,1965. 450 C94
- 33640 SEIKEL, M. K., and others. Chemotaxonomy as an aid in differentiating wood of eastern and western white pine. Amer. J. Bot. 52(10):1046-1049. Nov./Dec.1965. 450 Am36 S. S. Hall, L. C. Feldman, and R. C. Koeppen, joint authors. Pinus strobus and P. monticola: chromatographic studies.
- 33641 SOJAK, J. Plants resembling strawberries. (Cz) Ziva 13(1):5. Jan.1965. 409.6 Z6 Potentilla indica, P. reptans and P. norvegica.
- 33642 SOLBRIG, O. T. The California species of Gutierrezia (Compositae; Astereae). Madrono 18(3):75-84, map. Ref. July 1965. 450 M26
- 33643 SPELLMUNA, D. L., and DUNN, D. B. Schmalzia serotina as a part of Rhus trilobata. Brittonia 17(3):286-288. July 1965. 450 B77
- 33644 STUCKEY, R. L. The taxonomy and distribution of the genus Rorippa (Cruciferae) in North America. Diss. Abs. 26(6):3005. Dec.1965. 241.8 M58
- 33645 TARASOVA, T. L. The problems of the introduction of Eremurus. (Rus) Bot. Zhur. [Moscow] 50(5):647-654. Ref. May 1965. 451 R923 English summary.

- 33646 TURRILL, W. B. *Euphorbia veneta* (Euphorbiaceae). Curtis's Bot. Mag. (n.s.) 175(4):tab. 482 and text. Nov. 19, 1965. 450 C94
- 33647 VASIL'EV, A. V. Dendrological studies in Poland. (Rus) Bot. Zhur. [Moscow] 50(2):291-293. Feb. 1965. 451 R923
- 33648 WERNER, K. Taxonomy and phylogeny of the genera *Isoplexis* (Lindl.) Benth. and *Digitalis* L. (Ge) Feddes Repert. 70(1/3):109-135. Ref. Mar. 30, 1965. 450 R29
- 33649 WET, J. M. J. DE., and SCOTT, B. D. Essential oils as taxonomic criteria in *Bothriochloa*. Bot. Gaz. 126(3):209-214. Ref. Sept. 1965. 450 B652
- 33650 ZIMCIK, J. *Platanthera bifolia* L. in the Orlice mountains. (Cz) Ziva 13(3):99-100. May 1965. 409.6 Z6
- 33651 ZIMMERMANN, W. The taxonomy of *Pulsatilla*. IV. (Ge) Feddes Repert. 70(1/3):144-148. Mar. 30, 1965. 450 R29

Pteridophytes

- 33652 ATKINSON, L. R. *Schizaea pusilla*—perennial gametophyte? Amer. Fern J. 55(2):81-83. Apr./June 1965. 450 Am35
- 33653 BANERJI, M. L. *Osmunda regalis* var. *spectabilis* in India. Amer. Fern J. 55(2):84. Apr./June 1965. 450 Am35
- 33654 CEROVSKY, J. Two most admirable ferns of the Bohemian flora. (Cz) Ziva 13(3):88-90. May 1965. 409.6 Z6
Hymenophyllum tunbridgense and Osmunda regalis.
- 33655 CORRELL, D. S. *Cystopteris bulbifera* (L.) Bernh. new to Texas. Amer. Fern J. 55(2):84-85. Apr./June 1965. 450 Am35
- 33656 CRANDALL, D. L. County distribution of ferns and fern allies in Rhode Island. Amer. Fern J. 55(3):97-112, map. Ref. July/Sept. 1965. 450 Am45
- 33657 DUNCAN, W. H., and BLAKE, D. Observations on some ferns in Georgia. Amer. Fern J. 55(4):145-153. Ref. Oct./Dec. 1965. 450 Am35
- 33658 HAUKE, R. L. An analysis of a variable population of *Equisetum arvense* and *E. litorale*. Amer. Fern J. 55(3):123-135. Ref. July/Sept. 1965. 450 Am35
- 33659 KURATA, S. Notes on Japanese ferns. 35. (Ja) J. Geobot. 13(3):73-77. Feb. 1965. 450 H68
New sp. in *Athyrium*.
- 33660 MCDOWELL, G. W. Return to Panther Creek, Georgia. Amer. Fern J. 55(2):80-81. Apr./June 1965. 450 Am35
Pteridophyta in Georgia.
- 33661 MEHRA, P. N., and LOYAL, D. S. Cytological investigations in the Himalayan Dryopteris *Adanson*. Caryologia 18(3):461-498. Ref. July/Sept. 1965. 442.8 C25
Cytotaxonomy.
- 33662 MELLINGER, M. B. Japanese climbing fern spreading in South Carolina. Amer. Fern J. 55(4):179. Oct./Dec. 1965. 450 Am35
Lygodium japonicum.
- 33663 MICKEL, J. T. Preliminary field studies on the fern flora of Oacaca, Mexico. Amer. Fern J. 55(2):74-79, map. (Cont.) Apr./June 1965. 450 Am35
- 33664 MICKEL, J. T. Preliminary field studies on the fern flora of Oacaca, Mexico. Amer. Fern J. 55(3):117-122. (Concl.) July/Sept. 1965. 450 Am45
- 33665 SHIMURA, Y. The habitats suitable to the growth of ferns in Shizuoka Prefecture. 3. Ferns growing on Mt. Kiyomizu of Fukieda City in Suruga Province. 1-2. (Ja) J. Geobot. 13(3):82-84; (4):115-117. Feb.-Mar. 1965. 450 H68
- 33666 TRYON, A. F. A parcel of Cameroon ferns. Amer. Fern J. 55(2):49-57. Apr./June 1965. 450 Am35
- 33667 VERMA, S. C., and KHULLAR, S. P. Cytotaxonomy and cytogenetics of *Onychium contiguum* complex in W. Himalayas. Caryologia 18(3):555-566. Ref. July/Sept. 1965. 442.8 C25

Bryophytes

- 33668 BARTRAM, E. B. Mosses of the eastern highlands, New Guinea, from the 6th Archbold expedition, 1959. U. S. Nat. Mus. Contrib. U. S. Nat. Herb. 37(2):43-67. 1965. 450 C76
Includes n. spp. in *Campylopus*, *Mielichhoferia*, *Bryum*, *Hypnodendron*, *Macromitrium*, *Endotrichella*, *Garovaglia*, and *Calliergon*.
- 33669 BRIGGS, D. Experimental taxonomy of some British species of the genus *Dicranum*. New Phytol. 64(3):366-386. Ref. Oct. 1965. 450 N42
Includes cytology.
- 33670 CROSBY, M. R. New records for Hawaiian island mosses. Bryologist 68(4):457-462. Ref. Winter 1965. 450 B84
- 33671 CRUM, H. Hyophilopsis—a nomenclatural correction. Bryologist 68(4):470. Winter 1965. 450 B84
Renamed *Neohyophila*.
- 33672 CRUM, H., STEERE, W. C., and ANDERSON, L. E. A list of the mosses of North America. Bryologist 68(4):377-434. Winter 1965. 450 B84
- 33673 ELLIOTT, J., and FORMAN, R. T. T. Mosses from Eau Claire County, Wisconsin. Bryologist 68(4):471-473. Ref. Winter 1965. 450 B84
- 33674 FULFORD, M. Recent literature on hepatics—'47. Bryologist 68(4):476-478. Ref. Winter 1965. 450 B84
- 33675 FULFORD, M. Recent literature on mosses—69. Bryologist 68(4):473-476. Ref. Winter 1965. 450 B84
- 33676 IRELAND, R. R. *Dicranum pallidisetum* in Western North America. Bryologist 68(4):446-450. Winter 1965. 450 B84
- 33677 PANKOW, H. Distribution and sociological behavior of *Plagiothecium undulatum* (L. ap. Hedw.) Br. eur. in Mecklenburg. (Ge) Feddes Repert. 70(1/3):170-179. Ref. Mar. 30, 1965. 450 R29
East Germany.
- 33678 TSUCHIGA, Y. Noting differences in *Bryophyta*. (Ja) Amatores Herb. 26(3):26-30. Nov. 10, 1965. 450 Am12
- 33679 UDAR, R., and CHANDRA, V. Discovery of *Haplomitrium hookeri* (Smith) Nees in Asiatic flora. Cur. Sci. 34(21):618. Nov. 5, 1965. 475 Sci23

Algae

- 33680 BLINOVA, E. I. Supplies of laminarian seaweed of Kil'din Island. 5 p., map. (JP RS 22, 982; TT 64-21431; CSO 10202-D) Transl. 15293
Translation from Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Nauchno-Tekhnicheskii Byulleten' 4:36-38. 1962.
CFSTI: \$.75.
- 33681 CASPERS, H., and SCHULZ, H. Biological conditions of the Elbe at Hamburg. (Ge) Arch. Hydrobiol. 60(1):53-88. Ref. Feb. 1964. 410 Ar28
English summary.
Includes plankton.
- 33682 DODSON, A. N., and THOMAS, W. H. Concentrating plankton in a gentle fashion. Calif. Univ. Scripps Inst. Oceanogr. Contrib. 34(1):1409-1410. 1964, pub. 1965. 442.9 C12C
Includes phytoplankton.

- 33683 ETTL, H. Contribution to the knowledge of morphology of the genus *Chlamydomonas* Ehrenberg. (Ge) Arch. Protistenkunde 108 (3/4):271-430. Ref. Dec.15,1965. 439.8 Ar2 Includes n. spp.
- 33684 FEE, E. J., and DRUM, R. W. Diatoms [Gomphonema species] epizotic on copepods parasitizing fishes in the Des Moines River, Iowa. Amer. Midland Natur. 74(2):318-324. Oct.1965. 410 M58
- 33685 PANDEY, D. C. Further studies on *Tolpothrix arenophila* W. et G. S. West (Camptylone-mopsis lahorensis (Ghose) Desik.). Flora [Jena] 155(4):497-504. Ref. July 15,1965. 450 F66 Taxonomy.
- 33686 PANKOW, H. Diatom flora of the Peene River. (Ge) Arch. Hydrobiol. 61(2):205-214. Ref. Apr.1965. 410 Ar28 English summary.
- 33687 PATEL, R. J. Compsopogon iyengarii Krishnamurthy from Gujarat. Cur. Sci. 34(22):644-645. Ref. Nov.20,1965. 475 Sci23
- 33688 PRESCOTT, G. W., and VINYARD, W. C. Ecology of Alaskan freshwater algae. V. Limnology and flora of Malikpuk Lake. Amer. Microscop. Soc. Trans. 84(4):427-478. Ref. Oct. 1965. 440.9 Am33 Includes n. spp. in *Anabaena*, *Oocystis*, *Trachelomonas*, and *Dinobryon*.
- 33689 RAVANKO, O. Algae collected in deep water on a cruise with m/s Aranda in the northern part of the Gulf of Bothnia. Ann. Bot. Fenn. 2 (2):171-173, map. Ref. 1965. 450 An79
- 33690 ROBINSON, G. A. Continuous plankton records: contribution towards a plankton atlas of the north Atlantic and the North Sea. IX. Seasonal cycles of phytoplankton. Bull. Mar. Ecol. 6(4):104-122. Ref. Apr.1965. 410 B87
- 33691 SCHWABE, G. H., and STANGE-BURSCHE, E. M. *Aphanizomenon gracile* Lemm. (Ge) Arch. Hydrobiol. 60(3):249-277. Ref. July 1964. 410 Ar28 English summary.
- 33692 THOMAS, J., and GONZALVES, E. A. Thermal algae of Western India. Hydrobiologia 25(3/4): 330-350. Ref. May 25,1965. 410 H992 In hot springs.
- 33693 TORIUMI, S. The genus *Peridinium* collected from Sagami Bay, Kanagawa Prefecture. (Ja) Amatores Herb. 26(3):23-25. Nov.10,1965. 450 Am12
- 33694 TREI, T. Data on benthic vegetation and possibilities of industrial utilization of red algae from Vainameri strait. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 2:180-196, map. Ref. 1965. 442.9 Ak18 German summary.
- Fungi (Including Lichens)**
- 33695 AHMADJIAN, V. Lichens. Annu. Rev. Microbiol. 19:3-20. Ref. 1965. 448.3 An72
- 33696 APINIS, A. E. A new thermophilous *Coprinus* species from coastal grasslands. Brit. Mycol. Soc. Trans. 48(4):653-656. Ref. Dec.1965. 451 B76
- 33697 BECHET, M., BACIU, E., and COMAN, N. Fungi from the Botanic Gardens of Cluj. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10 (1):9-14. Ref. 1965. 442.9 C62 French summary.
- 33698 BOROVSKY, E. *Agaricus villaticus* Brond. (Cz) Mykol. Sb. 42(7/8):110-111. Oct.1965. 450 C27
- 33699 CAVALIERE, A. R., and JOHNSON, T. W. A new marine ascomycete from Australia. Mycologia 57(6):927-932. Ref. Nov./Dec.1965. 450 M99 Spathulospora, n. g.
- 33700 CIURCHEA, M. Calicicolous lichens of the Cheile Turzii, in the District of Turda. 1-2. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):19-23; (2):23-25. Ref. 1965. 442.9 C62 French summary. Taxonomy.
- 33701 COOKE, R. C., and DICKINSON, C. H. Nematode-trapping species of *Dactylella* and *Monacrosporium*. Brit. Mycol. Soc. Trans. 48(4): 621-629. Ref. Dec.1965. 451 B76 Includes n. spp. in *Monacrosporium*.
- 33702 CRISAN, A., and PALL, S. Data on the fungi of the environs of Odorhei. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):33-36. Ref. 1965. 442.9 C62 French summary.
- 33703 CULBERSON, C. F. A note on the chemical strains of *Parmelia furfuracea*. Bryologist 68(4):435-439. Winter 1965. 450 B84
- 33704 CULBERSON, W. L. Recent literature on lichens—'56. Bryologist 68(4):478-481. Ref. Winter 1965. 450 B84
- 33705 DICKINSON, C. H., and PUGH, G. J. F. The mycoflora associated with *Halimione portulacoides*. II-III. Brit. Mycol. Soc. Trans. 48(4): 595-610. Ref. Dec.1965. 451 B76 Foliar and radical mycoflora.
- 33706 DODGE, C. W. Lichenological notes on the flora of the Antarctic Continent and the Subantarctic Islands. IV. Tierra del Fuego and the Falkland Islands. Amer. Microscop. Soc. Trans. 84(4):502-507. Oct.1965. 442.8 Am33 Includes n. spp. in *Pseudocyphellaria*, *Lecanidium*, and *Blastenia*.
- 33707 GILBERTSON, R. L. Resupinate hydnaceous fungi of North America. V. Type studies of species described by Berkeley and Curtis. Mycologia 57(6):845-871. Nov./Dec.1965. 450 M99 Chiefly *Hydnum* spp.
- 33708 GRADDON, W. D. A guide to lignicolous species of *Apostemidium*. Brit. Mycol. Soc. Trans. 48(4):639-646. Dec.1965. 451 B76 Includes n. sp.
- 33709 GROVES, J. W. Some common lawn mushrooms. Greenhouse, Garden, Grass 4(3):18-22. Fall 1964. 80 G833
- 33710 HANUS, L. *Amanita citrina* Schaeff. (Cz) Mykol. Sb. 42(7/8):120-121. Oct.1965. 450 C27
- 33711 HANUS, L. *Lactarius rufus* Fr. (Scop. ex Fr.). (Cz) Mykol. Sb. 42(7/8):110. Oct.1965. 450 C27
- 33712 HOES, J. A., BRUEHL, G. W., and SHAW, C. G. A new *Pseudostemphylium*. Mycologia 57(6): 904-912. Ref. Nov./Dec.1965. 450 M99
- 33713 INDIRA, P. U. In vitro cultivation of *Diachea splendens* Peck. Cur. Sci. 34(21):601-602. Nov.5,1965. 475 Sci23
- 33714 ING, B. Notes on Myxomycetes. Brit. Mycol. Soc. Trans. 48(4):647-651. Ref. Dec.1965. 451 B76 Includes n. sp. in *Echinostelium*.
- 33715 JUNELL, L. Nomenclatural remarks on some species of *Erysiphaceae*. Brit. Mycol. Soc. Trans. 48(4):539-548. Ref. Dec.1965. 451 B76 Includes n. sp. in *Erysiphe*.
- 33716 KOBAYASHI, Y. On the genus *Dictyophora*, especially on the East-Asiatic group. (Ja) Mycol. Soc. Jap. Trans. 6(1):1-10, map. Aug.20,1965. 451 N622
- 33717 KOBAYASHI, Y. My impressions of a trip to Antarctica and Oceania. 2. (Ja) Mycol. Soc. Jap. Trans. 6(1):31-37. Aug.20,1965. 451 N622 Fungi.

- 33718 KREISEL, H. Combinationes novae (Basidiomycetes). Feddes Repert. 69(3):212. Oct.15, 1964. 450 R29
Text in German.
Stropharia albocrenulata, *Phellinus trivialis*, and *P. t. resupinatus*.
- 33719 KUNC, K. A note on the *Agaricus radicans* Vitt. (Cz) Mykol. Sb. 42(7/8):105-106. Oct. 1965. 450 C27
- 33720 KUZELKA, R. *Tuber rufum* Pico. (Cz) Mykol. Sb. 42(7/8):102-104. Oct.1965. 450 C27
- 33721 LARSEN, M. J. *Tomentella* and related genera in North America. I. Studies of nomenclatural types of species of *Hypochnus* described by Burt. Can. J. Bot. 43(12):1485-1510. Ref. Dec.1965. 470 C16C
Wood-rotting fungi; includes morphology.
- 33722 LIBERTA, A. E. A new species of *Xenasma*. Mycologia 57(6):967-968. Nov./Dec.1965. 450 M99
- 33723 LOUWRENS, B. A. Some mushrooms of the Transvaal. Fauna Flora 15:3-16. 1964. 410 F276
- 33724 MAKINEN, Y. On Finnish micromycetes. 7. Recent additions to the distribution of powdery mildews in Finland. Ann. Bot. Fenn. 2(3):243-247. Ref. 1965. 450 An79
Erysiphaceae.
- 33725 MANGAN, A. *Scopulariopsis hibernica* sp. nov. Brit. Mycol. Soc. Trans. 48(4):617-620. Dec. 1965. 451 B76
- 33726 MORAVEC, J. *Agaricus radicans* Vitt. (Cz) Mykol. Sb. 42(7/8):105. Oct.1965. 450 C27
- 33727 PARMASSTO, E. Corticiaceae U.R.S.S. I. Descriptiones taxorum novarum. combinationes novae. Akad. Nauk Est. SSR. Izv. Ser. Biol. 2: 220-233. 1965. 442.9 Ak18
Text in Russian.
Includes n. sp. in *Botryobasidium*, *Botryohypochnus*, *Cristella*, *Galzinia*, *Gloeocystidiellum*, *Laeticorticium*, *Sistotrema*, *Tubulixenasma* n. g., *Vararia*, *Vuileminia*, and *Xenasma*.
- 33728 PARMASSTO, E. Corticiaceae U.R.S.S. II. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 3: 315-319. 1965. 442.9 Ak18
- 33729 PARMASSTO, E. KH. Opredelitel' rogatikovykh gribov SSSR sem. Clavariaceae [Key for identification of Clavariaceae family of fungi in USSR]. Moskva, Nauka, 1965. 165 p. 462.06 P24
- 33730 PILATOVA, A. A mushroom found on the New Year day. (Cz) Ziva 13(2):59. Mar.1965. 409.6 Z6
Clitocybe pruinosa.
- 33731 POLSKA AKADEMIA NAUK. INSTYTUT BOTANIKI. Flora polska: Rosliny zarodnikowe Polski i ziem osciennych. Porosty (Lichenes), tom III, czesc 2; tom IV, czesc 2 [Flora of Poland: Spore plants of Poland and neighboring countries. Lichens (Lichenes), volume III, part 2; volume IV, part 2], by J. Motyka. Warszawa, 1964. 2 v. 461.5 P76
- 33732 PORE, R. S. Biological species and variation in *Arthroderma*. Diss. Abs. 26(7):3605-3606. Jan.1966. 241.8 M58
- 33733 PORE, R. S., TSAO, G. C., and PLUNKETT, O. A. A new species of *Arthroderma* established according to biological species concepts. Mycologia 57(6):969-973. Ref. Nov./Dec.1965. 450 M99
Isolated from soil.
- 33734 RAITVIIR, A. The Mycological Herbarium of the Institute of Zoology and Botany at the Academy of Sciences of Estonian SSR [Akademiya Nauk Estonskoi SSR, Institut Zoologii i Botaniki, Mikologicheskii Gerbarii]. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:364-366. 1964. 442.9 Ak18
English summary.
- 33735 RAITVIIR, A. Taxonomical notes on the genus *Gyromitra*. Akad. Nauk Est. SSR. Izv. Ser. Biol. 3:320-324. 1965. 442.9 Ak18
- 33736 RALL, G. Soil fungi from the alpine zone of the Medicine Bow Mountains, Wyoming. Mycologia 57(6):872-881. Ref. Nov./Dec.1965. 450 M99
Includes n. sp. in *Mucor*.
- 33737 SARBHOY, A. K. *Mucor variabilis* sp. nov. from India. Brit. Mycol. Soc. Trans. 48(4): 559-560. Dec.1965. 451 B76
- 33738 SEBEK, S. Through the further study of biology of *Tricholoma personatum* to its better utilization. (Cz) Mykol. Sb. 42(7/8):111-113. Oct.1965. 450 C27
- 33739 SHAW, C. G. How to collect, handle, and ship fungi (mushrooms) for identification. Wash. Agr. Exp. Sta. Circ. 131, rev., 5 p. Jan.1966. 100 W27S
- 33740 SUTTON, B. C. Typification of *Dendrophoma* and a reassessment of *D. obscurans*. Brit. Mycol. Soc. Trans. 48(4):611-616. Dec.1965. 451 B76
- 33741 TURNER, P. D. The occurrence of *Microsporum gypseum* in cultivated and uncultivated soils in Hong Kong. Brit. Mycol. Soc. Trans. 48(4):549-551. Dec.1965. 451 B76
- 33742 VER DER WESTHUIZEN, G. C. A. *Cystospora eucalypticola* sp. nov. on *Eucalyptus saligna* from northern Transvaal. S. Afr. Forest J. 54: 8-11. Ref. Sept.1965. 99.9 So82
- 33743 WALKEY, D. G. A., and others. British record. Brit. Mycol. Soc. Trans. 48(4):657-668. Ref. Dec.1965. 451 B76
R. Harvey, G. N. Greenhalgh, J. P. Blakeman, A. M. Timms, P. M. Hepden, T. F. Hering, J. Webster, and M. A. Rifai, joint authors.
Fungi identification.
- 33744 WICHANSKY, E. *Cortinarius (Inoloma) violaceus* (Fr. ex Linne). (Cz) Mykol. Sb. 42(7/8): 104-105. Oct.1965. 450 C27
- 33745 WICHANSKY, E. *Hygrocybe obrussea* (Fr.) Karst., *Hygrocybe chlorophana* (Fr.) Karst. [and] *Hygrocybe unguinosa* (Fr.) Karst. (Cz) Mykol. Sb. 42(7/8):107-108. Oct.1965. 450 C27
- 33746 WICHANSKY, E. *Lactarius cyathula* Fr. (Cz) Mykol. Sb. 42(7/8):104. Oct.1965. 450 C27
- 33747 WICHANSKY, E. *Lepista sordida* (Fr.) Singer. (Cz) Mykol. Sb. 42(7/8):107. Oct.1965. 450 C27
- 33748 WICHANSKY, E. *Lyophyllum rancidum* (Fr.) Sing. [and] *Collybia erythropus* (Pers. ex Fr.). Mykol. Sb. 42(7/8):108. Oct.1965. 450 C27
- 33749 WICHANSKY, E. *Rhodocybe truncata* (Schaeff. ex Fr.). (Cz) Mykol. Sb. 42(7/8):107. Oct. 1965. 450 C27
- 33750 WILLOUGHBY, L. G. A study of Chytridiales from Victorian and other Australian soils. Arch. Mikrobiol. 52(2):101-131. Ref. Oct.14, 1965. 442.8 Ar26
Includes n. spp. in *Chytrium*, *Phylyctichytrium*, *Rhizophyidium*, *Septosperma*, and the ecology of *Rhizophlyctis rosea*.

PATHOLOGY

General

- 33751 ANTOINE, R. Phytopathological mission to Mauritius and Reunion. (Fr) Agron. Trop. [Paris] 20(9):888-892, map. Sept.1965. 26 Ag86
- 33752 BOER, H. J. DE. Comparison of water vapour, water and water drops of various sizes, as means of preventing night frost. Agr. Meteorol. 2(4):247-258. Aug.1965. 340.8 Ag8

- 33753 BOLAY, A., and BOVAY, E. Observations on injuries caused by fluorine compounds in Valais. (Fr) Agr. Romande (ser.A)4(6):43-46. June 1965. 17 Ag8
To plants.
- 33754 BOUCHET, R. J. Problems of spring frost. (Fr) Agr. Meteorol. 2(3):167-195. Ref. June 1965. 340.8 Ag8
English summary.
Chiefly on methods of fruit tree protection.
- 33755 BURNETT, H. C. Orchid diseases. Fla. Dep. Agr. Div. Plant Indus Bull. 1(3):57 p. Jan.1965. 2 F668
- 33756 CANADIAN PHYTOPATHOLOGICAL SOCIETY. Proceedings, thirty-first session, June 2-4, 1965, Guelph, Ontario. Ottawa, 1965. 19 p. 464.9 C162
Abstracts of papers.
- 33757 CHANG, C. W., and THOMPSON, C. R. Sub-cellular distribution of fluoride in navel orange leaves. Int. J. Air Water Pollut. 9(11):685-691. Nov.1965. 449.8 In8
From contaminated atmosphere.
- 33758 CORDY, C. B. Frost protection in pear orchards with overtree sprinklers. Oreg. State Univ. Ext. Spec. Rep. 196,12 p. Sept.1965. 100 Or3M
- 33759 CSEHI, E. Damages in agriculture caused by snail. (Hu) Magyar Mezogazdasag 20(46):15. Nov.17,1965. 19 M27
In horticultural and field crops.
- 33760 CSEPREGI, P. Study of the causes responsible for vine-head destruction and vine-head pinking. (Hu) Kiserletugyi Kozlemenyek 58/C(1):15-55. Ref. 1965. 105.9 H89
English summary.
Grapes.
- 33761 DAINES, R. H. Effects of air pollutants on vegetation. N. J. Dep. Health. Public Health News 46(11):251-253. Nov.1965. 449.7 N46P
- 33762 DREES, H. Development trends in plant protection. (Ge) Anz. Schadlingskunde 38(4):49-50. Apr.1965. 421 An9
- 33763 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Symposium on internationally dangerous forest diseases and insects. Unasylva 19(3):97-156. 1965. 99.8 Un1
International Union of Forest Research Organizations cooperating; review of the symposium presented.
- 33764 GLADKINA, T. S. Water rats. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:60-64. 1964. 464.9 L542S
Pests of field crops; includes control.
- 33765 GLERUM, C., and FARRAR, J. L. A note on internal frost damage in white spruce [*Picea glauca*] needles. Can. J. Bot. 43(12):1590-1591. Dec.1965. 470 C16C
- 33766 HARRISON, M. D., LIVINGSTON, C. H., and OSHIMA, N. An improved system for controlling soil temperatures in the study of soil-borne plant pathogens. Plant Dis. Rep. 49(5):452-454. May 15,1965. 1.9 P69P
- 33767 IONESCU, N. Plant protection as a factor in assuring large grain and industrial crops. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:22-26. June 14,1965. (JPRS 30,605) 173 J663Ste
Pest and disease control.
Translation from Probleme Agricole 3:4-7. March 1965.
- 33768 ITO, K. View of the development of forest pathology in Japan. II. (Ja) Jap. Forest Exp. Sta. Bull. 181,196 p. Ref. Sept.1965. 99.8 R47
- 33769 JOHNSON, E. M., and others. Occurrence of certain plant diseases in Kentucky in 1964. Plant Dis. Rep. 49(5):450-451. May 15,1965. 1.9 P69P
L. Henson, W. D. Valleau, and R. A. Chapman, joint authors.
- 33770 JUSCAFRESA, B. The insecticides, cryptogamicides, and fungicides on the market and their nature. (Sp) Cult. Mod. 48(7):248-249. July 1965. 15 C89
Plant protection.
- 33771 KAMOEN, O. Some disease of beets. (Fl) Land- Tuinbouw Jaarboek 20:431-443. 1965. 13 L22
- 33772 KOTOVICH, I. N. Unnecessary operation. (Rus) Sadovodstvo 12:20. Dec.1965. 80 Sa13
Dead bark removal from fruit trees as protection measure, and possible injuries to trees.
- 33773 KRIEL, A. F. A good mossie is a dead mossie. Farming S. Afr. 41(7):25,27. Oct.1965. 24 So842
Chiefly pests of grapes; includes control.
- 33774 LAVERY, H. J. Sorghum damage by cockatiels. Queensland Agr. J. 91(11):653. Nov. 1965. 23 Q33
- 33775 MAKAROV, L. A., and POLYAKOV, I. YA. Peculiarities of 1962-1963 agricultural year and its effect on distribution of main pests and diseases in 1963. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:6-27, map. 1964. 464.9 L542S
Climatic effects.
- 33776 MARTIN, J. P. When & how pesticides can go wrong. Crops Soils 18(5):8-10. Feb.1966. 6 W55
Effects on the soils and the crops planted in them: includes residues and injuries to plants.
- 33777 MARTINEK, V., and SROT, M. Forecasting the outbreaks of main forest pests and fungus diseases in Bohemian lands for 1965. (Cz) Lesnicka Prace 44(4):166-168. Apr.1965. 99.8 L56
- 33778 MCLAUCHLAN, G. Port agricultural officers stand guard against entry of exotic diseases and insect pests. New Zeal. J. Agr. 111(7):9-11,13. Dec.1965. 23 N48J
- 33779 MUKAMMAL, E. I. Ozone as a cause of tobacco injury. Agr. Meteorol. 2(3):145-165. June 1965. 340.8 Ag8
- 33780 NEERGAARD, P. Historical development and current practices in seed health testing. Int. Seed Testing Ass. Proc. 30(1):99-118. Ref. 1965. 61.9 In84P
- 33781 NEERGAARD, P. Report of the Committee on Plant Diseases 1962-1965. Int. Seed Testing Ass. Proc. 30(2):335-348. Ref. 1965. 61.9 In84P
International Seed Testing Association.
- 33782 NEWSOM, L. D. Controlling insect pests and diseases for efficient production for United States agriculture. Nat. Res. Council. Agr. Res. Inst. Proc., 14th Annu. Meeting:151-174. Ref. 1965. 4 N2122
- 33783 OWEN, J. H., POWELL, W. M., and HENDRIX, F. F. Occurrence of peach tree decline in Georgia in 1965. Plant Dis. Rep. 49(10):859-860. Oct.1965. 1.9 P69P
Cause unknown.
- 33784 PAUCKE, H., and GROH, M. The occurrence of beech bark necrosis around Bleicherode and its relation to stem height, age of stand and bark thickness. (Ge) Sozialistische Forstwirtschaft. 15(11):344-349. Ref. Nov.1965. 99.8 W143
English summary inside back cover.
- 33785 PETERSON, G. W. Hardwood diseases in Plains forest tree nurseries. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:145-147. Ref. A99.9 F7693P
Discussion, p.151-152.
- 33786 PHILLIPS, D. H. Forest pathology. Great Brit. Forest. Comm. Rep. Forest Res. 1964:57-60. 1965. 99.9 G795Re

- 33787 RADULESCU, E., and MANOLACHE, C. Achievements and prospects of plant protection research. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:13-21. June 14, 1965. (JPRS 30,605) 173 J663Ste
Rumania.
Translation from Probleme Agricole 3:8-13. March 1965.
- 33788 RAO, P. G., and MURTI, V. D. A note on the influence of certain environmental factors on the incidence of diseases of grape-vine. Andhra Agr. J. 11(6):272-275. 1964. 34.2 An4
- 33789 REPIC, B. Study of freezing of fruit in fruit orchards of Bosnia with special regard to their regeneration. (Se) Poljoprivredni Pregl. 14 (7/8):265-276. July/Aug. 1965. 21.5 P753
- 33790 RICHENS, V. B. An evaluation of control on the Wasatch pocket gopher. J. Wildlife Manage. 29(3):413-425, map. Ref. July 1965. 410 J827
As range pest, controlled with sodium fluoroacetate.
- 33791 RICHTER, F. Positive and negative sides of plant protection in the Central and Eastern Slovakia. (Cz) Za Vysokou Urodu 13(9):357-358. Aug. 30, 1965. 64.8 Z12
- 33792 SHEFFIELD, F. M. L., and JONES, T. Hazards of international exchange of forest trees and products. East Afr. Agr. Forest. J. 30(4):345-350. Apr. 1965. 24 Ea74
Quarantine.
- 33793 SHEPARD, H. H. Sulfur as a pesticide. Agrochimica 9(3):232-341. Ref. June 1965. 385 Ag84
Plant and animal pest and plant disease control.
- 33794 SMITH, N. A. Michigan corn production, disease control. Mich. State Univ. Ext. Ext. Bull. 440, 4 p. Sept. 1965. 275.29 M58B
- 33795 TAKENAKA, Y., and YONEDA, Y. Tumor formation in interspecific hybrids of Nicotiana, especially its relation to wounding. (Ja) Jap. J. Genet. 40(3):227-232. June 1965. 442.9 J27
- 33796 TATSUYAMA, K. Some aspects on phytopharmacology. Interaction between host-plant and pesticides applied against plant pathogens. (Ja) Botyu-Kagaku 30(3):96-103. Ref. Aug. 1965. 421 B65
- 33797 TOOLE, E. R. Hardwood nursery diseases. U. S. Forest Serv. Reg. 8, Forest Nursery-men's Conf. Proc. 1964:148-152. A99.9 F7693P
Includes discussion.
- 33798 ULLRICH, H. Maintenance of clean air and coexistence of agriculture and industry. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:37-45. 1964. 27 H652
Plant damage.
- 33799 VAGT, W. An advantageous development of the popgun repellent. (Ge) Obstbauversuchsringes Alten Landes. Mitt. 20(6):242-244. June 1965. 85 J76
Use of propane gas instead of acetylene in bird control in orchards.
- 33800 VAGT, W. Experiments with phone-acoustic repelling of starlings. (Ge) Obstbauversuchsringes Alten Landes. Mitt. 20(6):213-217. June 1965. 85 J76
- 33801 VUJIC, P. Protection of poplars. (Se) Topola 9(48/49):39-42. Jan./Mar. 1965. 99.8 T62
Control of pests and diseases.
- 33802 WEBLEY, D. Aspects of trapping slugs with metaldehyde and bran. Ann. Appl. Biol. 56(1):37-45. Aug. 1965. 442.8 An72
- 33803 WOOD, J. E. Response of rodent populations to controls. J. Wildlife Manage. 29(3):425-438. Ref. July 1965. 410 J827
As range pests controlled with strychnine and sodium fluoroacetate.
- Diseases Caused by Fungi
- 33804 AMBERGER, A. Research on the redox system containing SH groups and terminal respiration. (Ge) Agrochimica 9(3):189-200. Ref. June 1965. 385 Ag84
English summary.
Cercospora herpotrichoides.
- 33805 ANDERSON, G. W. The distribution of eastern and western gall rusts in the Lake States. Plant Dis. Rep. 49(6):527-528, map. June 15, 1965. 1.9 P69P
On jack pine; cause: Cronartium quercuum and C. Coleosporioides respectively.
- 33806 ANDREEVA, E. I., and others. Action of some organic arsenic compounds as fungicides. (Rus) Khim. Sel'skom Khoz. 4:28-30. Ref. Apr. 1965. 385 K524
N. N. Mel'nikov, YU. N. Sapozhkov, and K. D. Shvetsova-Shilovskaya, joint authors.
In treatment of seeds.
- 33807 ANDREEVA, E. I., and OBOLENSKOVA, L. B. Results from study of pentachloronitrobenzene as fungicide on cotton. (Rus) Khim. Sel'skom Khoz. 3(8):30-31. Ref. Aug. 1965. 385 K524
Control of Verticillium dahliae.
- 33808 ARMSTRONG, G. M., and ARMSTRONG, J. K. Further studies on the pathogenicity of three forms of Fusarium oxysporum causing wilt of alfalfa. Plant Dis. Rep. 49(5):412-416. Ref. May 15, 1965. 1.9 P69P
Fusarium oxysporum medicaginis, F. oxysporum vasinfectum, and a form of Cassia tora.
- 33809 ARSENJEVIC, M. Septoria Rob. et Desm. on wheat in Serbia. (Se) Zastita Bilja 83:3-70. Ref. 1965. 464.8 Z1
English summary.
Includes control.
- 33810 ARSIC, M. M. Study of the biology and control of the Sphaerotheca macularis (Wallr.) Jaczewski as disease of strawberries. (Se) Zastita Bilja 84:115-170. Ref. 1965. 464.8 Z1
English summary.
- 33811 ATKINSON, T. G., and ALLEN, P. J. Purification and partial characterization of a factor in cotton wax stimulating the germination of self-inhibited wheat stem rust uredospores. Plant Physiol. 41(1):28-33. Ref. Jan. 1966. 450 P692
Puccinia graminis tritici, cause of wheat stem rust.
- 33812 AYCOCK, R., and MILHOLLAND, R. D. Heat curing treatments of Gladiolus corms compared with fungicidal dips in controlling Fusarium disease. Plant Dis. Rep. 49(5):435-438. Ref. May 15, 1965. 1.9 P69P
Brown rot caused by Fusarium oxysporum gladioli in North Carolina.
- 33813 BABAYAN, A. A., and others. Study of the resistance of varieties and hybrids of tobacco to the Peronospora. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(8):3-9. Ref. Aug. 1965. 20 Er4
S. G. Barsegyan, N. A. Kechev, and U. S. Vartanyan, joint authors.
- 33814 BAKER, R., and NASH, S. M. Ecology of plant pathogens in soil. VI. Inoculum density of Fusarium solani phaseoli in bean rhizosphere as affected by cellulose and supplemental nitrogen. Phytopathology 55(12):1381-1382. Dec. 1965. 464.8 P56
- 33815 BANNEROT, H. The results of infection of a collection of beans by six physiological strains of anthracnose. (Fr) Ann. Amélior. Plantes 15 (2):201-222. Ref. 1965. 14 F499A
English summary.
Colletotrichum lindemuthianum.

- 33816 BASHAM, J. T., and TAYLOR, L. D. The occurrence of fungi and bacteria in normal and discolored heartwood on second-growth sugar maple [*Acer saccharum*] in Ontario. Plant Dis. Rep. 49(9):771-774. Sept.1965. 1.9 P69P
- 33817 BEAN, G. A. The use of dimethyl sulfoxide (DMSO) with certain fungicides for controlling Helminthosporium diseases of Kentucky bluegrass [*Poa pratensis*]. Plant Dis. Rep. 49(10):810-811. Oct.1965. 1.9 P69P
Leaf spot and crown rot, caused by Helminthosporium.
- 33818 BERGMAN, B. H. H. Field infection of tulip bulbs by *Fusarium oxysporum*. Neth. J. Plant Pathol. 71(5):129-135. 1965. 464.8 T44
- 33819 BOEREMA, G. H., and KESTEREN, H. A. VAN. The underground attacks on *Crocus* and *Colchicum* by the rusts *Uromyces croci* and *Uromyces colchici* respectively. Neth. J. Plant Pathol. 71(5):136-144. 1965. 464.8 T44
- 33820 BORMANN, E. J. The fungicidal activity of heavy metal chelates (copper dialkyldithiocarbamate). (Ge) Arch. Mikrobiol. 52(1):10-19. Ref. Sept.6,1965. 442.8 Ar26
Tests with *Fusarium decemcellulare*.
- 33821 BROWDER, L. E. Aggressiveness in *Puccinia graminis* var. *tritici*. Diss. Abs. 26(6):2965. Dec.1965. 241.8 M58
On triticum.
- 33822 BROWDER, L. E. An atomizer for inoculating plants with spore-oil suspension. Plant Dis. Rep. 49(5):455. May 15,1965. 1.9 P69P
- 33823 BROWN, G. E., and KENNEDY, B. W. Phytophthora root rot of soybean in Minnesota. Plant Dis. Rep. 49(6):490-491. June 15,1965. 1.9 P69P
- 33824 BURCHILL, R. T., and HUTTON, K. E. The suppression of ascospore production to facilitate the control of apple scab (*Venturia inaequalis* (Cke.) Wint.). Ann. Appl. Biol. 56(2):285-292. Oct.1965. 442.8 An72
- 33825 CAPPELLINI, R. A., and PETERSON, J. L. Macroconidium formation in submerged cultures by a nonsporulating strain of *Gibberella zeae*. Mycologia 57(6):962-966. Nov./Dec. 1965. 450 M99
Causal organism of stalk rot in corn.
- 33826 CATANI-CATOVIC, S., and PETERSON, J. L. Phytotoxicity of the metabolites of a soil fungus *Penicillium funiculosum* Thom. Soil Sci. 101(1):57-62. Jan.1966. 56.8 So3
To tomatoes and eggplants.
- 33827 CERNY, F. *Botrytis cinerea* of the *Convallaria majalis*. (Cz) Ovocnarstvi Zelinarstvi 13 (2):42-43. 1965. 80 Ov64
- 33828 CERVINKOVA, H., and TEMMLOVA, B. The effect of various factors on the distribution of red rot of Norway spruce. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:215-242. Ref. 1965. 99.9 P88
English summary.
Caused by *Fomes annosus*.
- 33829 CHANDLER, W. A. Fungicidal control of anthracnose and white spot of turnip greens. Plant Dis. Rep. 49(5):419-422. May 15,1965. 1.9 P69P
Anthracnose, caused by *Colletotrichum higginsianum*, and leaf spot, caused by *Cercospora brassicae* in Georgia.
- 33830 CHANNON, A. G. Studies on parsnip canker. IV. *Centrospora acerina* (Hartig) Newhall—a further cause of black canker. Ann. Appl. Biol. 56(1):119-128. Ref. Aug.1965. 442.8 An72
- 33831 CHESTERS, C. G. C., and HORNBY, D. Studies on *Colletotrichum coccodes*. I. The taxonomic significance of variation in isolates from tomato roots. Brit. Mycol. Soc. Trans. 48(4):573-581. Ref. Dec.1965. 451 B76
Includes brown root rot and anthracnose in tomatoes, and black dot in potatoes.
- 33832 CHESTERS, C. G. C., and HORNBY, D. Studies on *Colletotrichum coccodes*. II. Alternative host tests and tomato fruit inoculations using a typical tomato root isolate. Brit. Mycol. Soc. Trans. 48(4):583-594. Ref. Dec.1965. 451 B76
- 33833 CHI, C. C., and CHILDERS, W. R. Virulence of *Rhizoctonia solani* on alfalfa and red clover. Plant Dis. Rep. 49(6):512-515. Ref. June 15, 1965. 1.9 P69P
Cause of root and crown rots.
- 33834 COMERFORD, C., and MANGAN, A. *Leptosphaeria maculans* on swedes (*Brassica napobrassica*). Irish J. Agr. Res. 4(2):237-238. Oct.1965. 10.5 Ir45
Perfect stage of *Phoma lingam* which causes dry rot of swedes.
- 33835 COVEY, R. P., and FIGARO, P. New materials for the control of apple powdery mildew. Plant Dis. Rep. 49(10):876-877. Oct.1965. 1.9 P69P
Caused by *Podosphaera leucotricha* in Washington.
- 33836 COX, R. S. The role of *Rhizoctonia solani* in tomato production in south Florida. Plant Dis. Rep. 50(2):124-125. Feb.1966. 1.9 P69P
- 33837 CRISAN, A., and HODISAN, I. Parasitic and saprophytic micromycetes of the *Secale montanum* Guss. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):15-18. Ref. 1965. 442.9 C62
French summary.
Includes taxonomy.
- 33838 CULP, T. W., THOMAS, C. A., and ZIMMERMAN, L. H. Capsule diseases of castorbeans [*Ricinus communis*] in Mississippi. Plant Dis. Rep. 50(1):35-39. Jan.1966. 1.9 P69P
Capsule mold caused chiefly by *Botryotinia ricini*.
- 33839 CULP, T. W., and KINMAN, M. L. Rust on sunflowers [*Helianthus annuus*] in the Mississippi Delta. Plant Dis. Rep. 49(5):433-434. May 15,1965. 1.9 P69P
Caused by *Puccinia helianthi*.
- 33840 DAWSON, J. R., and others. Influence of steam/air mixtures, when used for heating soil, on biological and chemical properties that affect seedling growth. Ann. Appl. Biol. 56(2):243-251. Ref. Oct.1965. 442.8 An72
R. A. H. Johnson, P. Adams, and F. T. Last, joint authors.
Effects on fungus disease of lettuce and tomatoes grown in greenhouses; caused by *Rhizoctonia solani* and *Colletotrichum atramentarium*, respectively.
- 33841 DELGADO, J. C., and ECHANDI, E. Evaluation of resistance of species and clones of cacao to machete disease provoked by *Ceratocystis fimbriata* (Sp) Turrialba 15(4):286-289. Ref. Oct./Dec.1965. 8 T86
English summary.
- 33842 DINGLEY, J. M. New records of fungous diseases on plants in New Zealand, 1962-64. New Zeal. J. Agr. Res. 8(4):905-920. Ref. Nov. 1965. 23 N4892
- 33843 DOROZHKIN, N. A., REMNEVA, Z. I., and STREL'SKAYA, O. YA. Little known disease of tomatoes, anthracnose. (Rus) Akad. Nauk Belorussk. SSR, Dokl. 9(10):702-704. Oct. 1965. 511 M663D
- 33844 DOROZHKIN, N. A., and SHUKANOV, A. S. On hibernation of the causative agent of sugar beet peronosporosis (*Peronospora schachtii* Fuchee) under conditions of Belorussia. (Rus) Akad. Nauk Belorussk. SSR, Dokl. 9(3):208-210. Mar.1965. 511 M663D
- 33845 EFIMOVA, N. S. Morphological changes of some species of grasses under the effect of smut fungi. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:61-69. Ref. 1963, pub.1964. 49.9 AL6T
- 33846 EMDEN, J. H. VAN., LABRUYERE, R. E., and TICHELAAAR, G. M. *Rhizoctonia* [solani] of potatoes. (Du) Neth. Dir. Landbouw, Landbouwwoorlichting 22(8):416-418. Aug.1965. 12 N383M

- 33847 ENNS, H. International Wheat Rust Testing Centre-Njoro, Kenya. Wheat Inform. Serv. 19/20:19-20. Mar.1965. 463.69 W56
- 33848 ENNS, H., LYNCH, K. W., and PINTO, F. F. Summary report-1963 of the International Wheat Rust Testing Centre Njoro, Kenya. Wheat Inform. Serv. 19/20:21-23. Mar.1965. 463.69 W56
- 33849 ERVIO, L. R. Certain parasites of fungal sclerotia. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(1):1-6. Ref. 1965. 20 Su7M
Fungi affecting Sclerotinia trifolium, S. sclerotiorum and Botrytis cinerea.
- 33850 FOSTER, A. A. Old and new disease problems in southern forest nurseries. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:89-91. A99.9 F7693P
Chiefly fungus diseases and chlorosis. Discussion, p.97-98.
- 33851 FREEMAN, T. E. Rust of Zoysia spp. in Florida. Plant Dis. Rep. 49(5):382. May 15,1965. 1.9 P69P
Caused by Puccinia zoysiae.
- 33852 FRIC, F., and HASPELOVA-HORVATOVICOVA, A. Beitrag zur Pathogenese Mehltau-beallener Gerste (Erysiphe graminis f. sp. hordei Marchal) [A contribution to the pathogenesis of barley mildew caused by Erysiphe graminis f. sp. hordei Marchal]. Bratislava, Vydavatel'stvo Slovenskej Akademie Vied, 1965. 91 p. Ref. 1965. 442.9 SL52
English summary
- 33853 GASKIN, T. A. Varietal reaction of Kentucky bluegrass [Poa pratensis] to Septoria leaf spot (Septoria macropoda [septulata]). Plant Dis. Rep. 49(9):802. Sept.1965. 1.9 P69P
Illinois.
- 33854 GASKIN, T. A. Varietal resistance to flag smut in Kentucky bluegrass [Poa pratensis]. Plant Dis. Rep. 49(12):1017. Dec.1965. 1.9 P69P
Caused by Urocystis agropyri in Illinois.
- 33855 GIBBS, J. G. Field resistance in Lolium sp. to leaf rust (Puccinia coronata). Nature [London] 209(5021):420. Jan.22,1966. 472 N21
Lolium perenne.
- 33856 GILL, H. S. Studies of the differentiation in vitro of physiologic races A-1, A-2, A-3, and A-4 of Phytophthora fragariae Hickman. Diss. Abs. 26(6):2966. Dec.1965. 241.8 M58
- 33857 GILMOUR, J. W. Gloeosporium terminal crook, a new disease of Pinus radiata seedlings. Rotorua. Forest Res. Inst. Res. Leaflet. 10,4 p. Sept.1965. 99.9 N4823
- 33858 GOLATO, C. A new foliar disease of onions in Somalia. (It) Riv. Agr. Subtrop. Trop. 59(4/6):140-142. Apr./June 1965. 26 Ag82
Cercospora duddiae.
- 33859 GOTH, R. W. Golden Bantam corn seed, a suitable medium for the asexual sporulation of Cephalosporium gregatum. Plant Dis. Rep. 50(1):33-35. Jan.1966. 1.9 P69P
Includes pathogenicity to bean plant.
- 33860 GOTH, R. W., and ZAUMEYER, W. J. Reactions of bean varieties to four races of anthracnose. Plant Dis. Rep. 49(10):815-818. Oct. 1965. 1.9 P69P
Caused by Colletotrichum lindemuthianum.
- 33861 GOULD, C. J., and RUSSELL, T. S. Soil-borne infection of bulbous Iris by Sclerotinia bulbosum controlled by bulb and soil treatments with PCNB. Plant Dis. Rep. 49(5):443-446. May 15,1965. 1.9 P69P
Cause of black slime in Pacific Northwest.
- 33862 GRANIN, E. F., and others. Toxicity of some arsenic organic compounds used as fungicides. (Rus) Khim. Sel'skom Khoz. 2:26-30. Ref. Feb.1965. 385 K524
N. K. Blisnyuk, G. S. Levskaya, G. I. Zhil'tsova, E. N. Matyukhina, and L. S. Vrublevskaya, joint authors.
Test with Botrytis cinerea and Alternaria solani.
- 33863 GRAY, L. E., JOKELA, J. J., and WYCOFF, H. B. Blackstem of cottonwood [Populus deltoides]. Plant Dis. Rep. 49(10):867-868. Oct. 1965. 1.9 P69P
Caused by Cytospora chrysosperma in Illinois.
- 33864 GRIFFITHS, D. A. A disease of some Bignoniaceae in Malaya, caused by a species of Fusarium. Hort. Res. 5(2):107-112. Nov.1965. 80 H7892
- 33865 GRIFFITHS, D. A., and LIM, W. C. Intercellular colonization and the production of pectic enzymes by Malaysian isolates of Fusarium. Plant Dis. Rep. 50(2):116-118. Feb.1966. 1.9 P69P
Cowpeas and okra growing in isolates of Fusarium solani and F. decemcellulare.
- 33866 GRIFFITHS, D. A., and LIM, W. C. "Overgrowth" in Malayan crop plants following infection by Fusarium solani and F. decemcellulare. Plant Dis. Rep. 49(12):979-980. Dec. 1965. 1.9 P69P
- 33867 GUIDI, C. Protection of rice from attacks of blast [Piricularia oryzae]. (It) Agr. Ferrarese 68(11):221-234. Nov.30,1964. 16 Ag87
- 33868 GUSTAFSSON, N. Now is the time for spraying against late blight. (Sw) Lantmannen 76(13):8-9. June 26,1965. 11 L234
Of potatoes.
- 33869 GUTTER, Y., and LATTAR, F. S. Fruit rots. Agr. Israel 10(9):49. June 1965. 22.5 Ag825
Fungus-caused.
- 33870 HACSKAYLO, E. Thelephora terrestris and mycorrhizae of Virginia pine. Forest Sci. 11(4):401-404. Dec.1965. 99.8 F7632
- 33871 HAGLUND, W. A. Greenhouse evaluations of soil fungicides for the control of pea root rot. Plant Dis. Rep. 49(9):793-796. Ref. Sept.1965. 1.9 P69P
- 33872 HALLIWELL, R. S. Association of Cephalosporium with a decline of oak [Quercus] in Texas. Plant Dis. Rep. 50(2):75-78, map. Feb. 1966. 1.9 P69P
- 33873 HALMOS, S., and BRUN, W. A. Automatic humidity chambers for plant disease inoculation studies. Can. J. Plant Sci. 46(1):89-90. Jan. 1966. 450 C16
Bananas inoculated with Cercospora musae.
- 33874 HARDING, P. R. The nature of biphenyl-resistant mutants of Penicillium digitatum. Plant Dis. Rep. 49(12):965-969. Ref. Dec. 1966. 1.9 P69P
- 33875 HARDISON, J. R., and ANDERSON, W. S. Effects of symmetrical-dichlorotetrafluoroacetone and nickel sprays on rust control, yield, and germination of seed of Poa pratensis. Phytopathology 55(12):1337-1340. Dec.1965. 464.8 P56
Control of leaf rust (Puccinia poae-nemoralis) and stripe rust (P. striiformis).
- 33876 HART, J. H. Economic impact of Dutch elm disease in Michigan. Plant Dis. Rep. 49(10):830-832. Oct.1965. 1.9 P69P
Caused by Ceratocystis ulmi.

- 33877 HART, J. H. Willow [*Salix*] blight in Michigan. Plant Dis. Rep. 49(12):1016. Dec.1965. 1.9 P69P
Caused by *Pollacia saliciperda*.
- 33878 HARVEY, H. L. Black spot and powdery mildew of grapes. West. Australia. Dep. Agr. J. (ser.4)6(9):517-520. Sept.1965. 23 W52J
Caused by *Elsinoe ampelina* and *Uncinula necator*, respectively.
- 33879 HINDS, T. E., and STEWART, J. L. Cytospora canker recurrence on Douglas-fir [*Pseudotsuga menziesii*] in Colorado. Plant Dis. Rep. 49(6):481-482. June 15,1965. 1.9 P69P
Caused by *Cytospora kunzei* kunzei.
- 33880 HINDS, T. E., and JONES, J. R. Hypoxylon canker of aspen [*Populus tremuloides*] in Arizona. Plant Dis. Rep. 49(6):480, map. June 15, 1965. 1.9 P69P
Caused by *Hypoxylon pruinaum*.
- 33881 HOES, J. A., and TYSON, I. H. Races of flax rust in the Canadian prairies in 1963 and 1964. Plant Dis. Rep. 50(1):62-63. Jan.1966. 1.9 P69P
Caused by *Melampsora lini*.
- 33882 HOFFMANN, J. A., KENDRICK, E. L., and HOLTON, C. S. The incidence of dwarf bunt in the Pacific Northwest and its occurrence on "Gaines" wheat. Plant Dis. Rep. 49(5):401-402. May 15,1965. 1.9 P69P
Caused by *Tilletia controversa*.
- 33883 HOPPE, P. E., and ARNY, D. C. Northern leaf blight of corn in Wisconsin in 1964. Plant Dis. Rep. 49(6):516. June 15,1965. 1.9 P69P
Caused by *Helminthosporium turcicum*.
- 33884 HORNER, C. E. Control of mint [*Mentha piperita*] rust by propane gas flaming and contact herbicide [DNBP]. Plant Dis. Rep. 49(5):393-395. May 15,1965. 1.9 P69P
Caused by *Puccinia menthae* in Oregon.
- 33885 HORNER, C. E. Verticillium wilt of hops in Oregon. Plant Dis. Rep. 49(6):538-540. Ref. June 15,1965. 1.9 P69P
Caused by *Verticillium dahliae* and *V. albo-atrum*.
- 33886 HUTTON, K. E., and BURCHILL, R. T. The effect of some fungicides and herbicides on ascospore production of *Venturia inaequalis* (Cke.) Wint. Ann. Appl. Biol. 56(2):279-284. Oct.1965. 442.8 An72
Disease of apples.
- 33887 ISHCHENKO, L. A. Content of free amino acids in leaves of various apple varieties differing in their resistance to scab and their effect on growth of apple scab causal organism, *Fusicladium dendriticum* Fuck. in culture. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:15-20. Mar./Apr.1965. 442.9 M854
- 33888 ISONO, K., and others. Studies on polyoxins, antifungal antibiotics. I. Agr. Biol. Chem. 29(9):848-854. Sept.1965. 385 Ag8B
J. Nagatsu, Y. Kawashima, and S. Suzuki, joint authors.
Useful in control of sheath blight diseases of rice.
- 33889 IVANOVA, T. M., DAVYDOVA, M. A., and RUBIN, B. A. Fungistatic effect of phenols, and their role in plant immunity. (Rus) Akad. Nauk SSSR. Dok. 164(3):705-708. Ref. 1965. 511 P444A
Tests with *Botrytis cinerea* on cabbage.
- 33890 JANCARIK, Pine twist rust caused by *Melampsora pinitorqua* Rostr. (Cz) Lesnicka Prace 44(2):86-87. Feb.1965. 99.8 L56
Includes control.
- 33891 JANCARIK, V., and TEMMLOVA, B. The effectiveness of new fungicides in the control of needle cast of Scots pine. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:5-38. Ref. 1965. 99.9 P88
English summary.
Caused by *Lophodermium pinastri*.
- 33892 JAUCH, C. Variola of sugar beets. I. Production of conidia of *Cercospora beticola* in synthetic media. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):80-86. Ref. 1963, pub. 1965. 9 B863
- 33893 JENSEN, R. E., and BOYLE, L. W. The effect of temperature, relative humidity and precipitation on peanut leafspot. Plant Dis. Rep. 49(12):975-978. Dec.1965. 1.9 P69P
Caused by *Cercospora*.
- 33894 JHOOTY, J. S. Zinnia elegans a new host of *Sphaerotheca fuliginea*. Plant Dis. Rep. 49(9):756. Sept.1965. 1.9 P69P
India.
- 33895 JOACHIM, H. F. On the diseases and mortality of young stands of *Populus berolinensis*. (Ge) Sozialistische Forstwirtschaft. 15(10):310-311. Oct.1965. 99.8 W143
Dothichiza populea *Pollacia elegans* and *Melampsora larici-populina* as causal agents.
- 33896 JOFFE, A. Z., and PALTI, J. Species of *Fusarium* found associated with wilting of tomato varieties resistant to *F. oxysporum* in Israel. Plant Dis. Rep. 49(9):741. Sept.1965. 1.9 P69P
- 33897 JOHNSON, D. W., and COWLING, E. B. Role of pinosylvin and borax in control of *Fomes annosus* by stump treatments. Phytopathology 55(12):1341-1346. Ref. Dec.1965. 464.8 P56
Root rot in pine.
- 33898 JOHNSON, H. W., and MORGAN, F. L. Phytophthora root and crown rot of alfalfa in the Yazoo-Mississippi Delta. Plant Dis. Rep. 49(9):753-755. Sept.1965. 1.9 P69P
Caused by *Phytophthora cryptogea* and *P. megasperma*.
- 33899 JOHNSON, H. W., ROTHMAN, P. G., and BOWMAN, D. H. Southern blight of annual ryegrass [*Lolium multiflorum*] and winter oats [*Avena byzantina*]. Plant Dis. Rep. 49(5):408-411. May 15,1965. 1.9 P69P
Caused by *Sclerotium rolfsii* in Mississippi.
- 33900 JOHNSON, L. B., and SCHAFER, J. F. Effect of (2-chloroethyl) trimethylammonium chloride [Cycocel] on *Puccinia recondita* infection. Plant Dis. Rep. 50(2):108-109. Feb.1966. 1.9 P69P
Wheat.
- 33901 JONES, J. P., and LITTRELL, R. H. Another appearance in Florida of a wilt *Fusarium* pathogenic to race 1-resistant tomato varieties. Plant Dis. Rep. 49(6):536-537. June 15,1965. 1.9 P69P
A biotype of *Fusarium oxysporum lycopersici*.
- 33902 KABLE, P. F. Air dispersal of conidia of *Monilinia fructicola* in peach orchards. Australian J. Exp. Agr. Anim. Husb. 5(17):166-171. Ref. May 1965. 23 Au792
Brown rot fungi.
- 33903 KABLE, P. F. The fruit peduncle as an important overwintering site of *Monilinia fructicola* in the Murrumbidgee Irrigation Areas. Australian J. Exp. Agr. Anim. Husb. 5(17):172-175. May 1965. 23 Au792
Peach orchards.
- 33904 KAIS, A. G., and SNOW, G. A. Mimosa [*Albizia julibrissin*] wilt found along Mississippi coast. Plant Dis. Rep. 49(12):971. Dec.1965. 1.9 P69P
Caused by *Fusarium oxysporum perniciusum*.
- 33905 KALLIO, A. Chemical control of snow mold (*Sclerotinia borealis*) on four varieties of bluegrass (*Poa pratensis*) in Alaska. Plant Dis. Rep. 50(1):69-72. Ref. Jan.1966. 1.9 P69P
PCNB, thiram, and Thimer used.
- 33906 KALYUZHNYI, YU. V., and DUL'GEROV, A. N. Use of small quantity of liquid fungicides in spraying apples against scab. (Rus) Khim. Sel'skom Khoz. 3(10):44-45. Oct.1965. 385 K524
Ziram and zineb.

- 33907 KAMOEN, O. Three diseases of the *Allium* species. (Fr) Rev. Agr. [Brussels] 18(11/12): 1377-1385. Nov./Dec.1965. 13 R322
Rots caused by *Botrytis* spp.
- 33908 KANAZAWA, Y., SHICHI, H., and URITANI, I. Biosynthesis of peroxidases in sliced or black rot-infected [*Ceratocystis fimbriata*] sweet potato roots. Agr. Biol. Chem. 29(9):840-847. Ref. Sept.1965. 385 Ag8B
- 33909 KELMAN, A., and GOODING, G. V. A root and stem rot of yellow-poplar [*Liriodendron tulipifera*] caused by *Cylindrocladium scoparium*. Plant Dis. Rep. 49(9):797-801. Ref. Sept.1965. 1.9 P69P
North Carolina.
- 33910 KENDRICK, E. L. The occurrence of powdery mildew of wheat in the Pacific Northwest. Plant Dis. Rep. 49(10):837-838. Oct.1965. 1.9 P69P
Caused by *Erysiphe graminis tritici*.
- 33911 KENDRICK, E. L. The reaction of varieties and hybrid selections of spring wheats to pathogenic races of *Tilletia caries* and *T. foetida*. Plant Dis. Rep. 49(10):839-843. Oct.1965. 1.9 P69P
Resistance to common bunt
- 33912 KENDRICK, E. L. The reaction of varieties and hybrid selections of winter wheat to pathogenic races of *Tilletia caries* and *T. foetida*. Plant Dis. Rep. 49(10):843-846. Oct.1965. 1.9 P69P
Resistance to common bunt
- 33913 KESTEREN, H. A. VAN. A wilt disease of cucumbers and gherkins caused by a sclerotia producing fungus. (Du) Netherlands. J. Plant Pathol. 71(4):122-123. 1965. 464.8 T44
English summary.
Tentatively identified as a *Sclerotium* species.
- 33914 KIELY, T. B. Control of black spot disease on Valencia oranges. Influence of white oil on the fungicidal efficiency of zineb sprays. Agr. Gaz. New S. Wales 76(11):663-666. Nov.1965. 23 N472
Caused by *Guignardia citricarpa*.
- 33915 KIETREIBER, M. The different behavior of wheat varieties in relation to *Septoria nodorum* infection in laboratory investigation. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:31-36. 1965. 105.9 V675
- 33916 KINLOCH, B. B., and KELMAN, A. Relative susceptibility to fusiform rust of progeny lines from rust-infected and noninfected loblolly pines. Plant Dis. Rep. 49(10):872-874. Oct. 1965. 1.9 P69P
Caused by *Cronartium fusiforme*.
- 33917 KLOTZ, L. J., and DEWOLFE, T. A. Tetrazolium, an indicator of extent of infection in *Phytophthora* root rot of citrus. Plant Dis. Rep. 49(5):423-424. May 15,1965. 1.9 P69P
- 33918 KOENIGS, J. W. The cytochemical localization of specific dehydrogenases in blister rust cankers of western white pine. Diss. Abs. 26(6): 2966. Dec.1965. 241.8 M58
Cronartium ribicola on *Pinus monticola*.
- 33919 KOMMEDAHL, T., and PATEL, K. P. A method of rating wheat varieties in the field for resistance to common root rot. Plant Dis. Rep. 50(1):26-27. Jan.1966. 1.9 P69P
Caused by *Fusarium roseum*
- 33920 KOSTIC, B. Physiologic specialization of *Puccinia graminis* Pers f. sp. *avenae* Erikss. et Henn. and the reaction of some varieties of oats to it. (Se) Zastita Bilja 84:179-190. Ref. 1965. 464.8 Z1
English summary.
- 33921 KOSTIC, B. Physiological races of *Puccinia coronata avenae* Fraser et Led. and the degree of susceptibility of some varieties and hybrids of oats. (Se) Zastita Bilja 83:99-108. Ref. 1965. 464.8 Z1
English summary.
- 33922 KRULL, C. F., and others. Influence of seed size on the incidence of loose smut in Funza barley. Plant Dis. Rep. 50(2):101-103. Feb. 1966. 1.9 P69P
G. Robayo, L. A. Valbuena, G. Rico, L. E. Castiblanco, and L. E. Bravo, joint authors.
Caused by *Ustilago nuda* in Colombia.
- 33923 KUPREVICH, V. F., and others. Physiological changes in rye affected by stem rust [*Puccinia dispersa*]. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(11):758-760. Nov.1965. 511 M663D
T. A. Shicherbakova, Z. Ya. Serova, N. A. Kiseleva, A. I. Samuilenko, and L. N. Reut-skaya, joint authors.
- 33924 KUPREVIYCH, V. F., and SEROVA, Z. YA. Oxidative metabolism of rye depending of dynamics of development of *Puccinia dispersa* Erikss. et Henn. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(8):558-562. Aug.1965. 511 M663D
- 33925 KURKELA, T. Mannyn lumikaristetaudin ja lannoituksen suhteesta kivisuon metsanlannoitu-salueella. On the relationship between the snow blight (*Phacidium infestans* Karst.) and fertilization in Scotch pine seedlings. Folia Forest. 14,8 p. Ref. 1965. 99.8 F713
English summary.
- 33926 LAL, B., and TANDON, R. N. Occurrence of the perfect stage of *Colletotrichum gloeosporioides* Penz. on the leaves of *Dieffenbachia amoena* Hort. ex Gentil. Naturwissenschaften 52(20):565. Oct.15,1965. 474 N213
- 33927 LAMBERTI, F. Importance of late ripening grapevine cultivars in the disease cycle of "gray mold" (*Botrytis cinerea* Pers.). (It) Phytopathol. Mediter. 4(1):54-55. May 1965. 464.8 P565
- 33928 LAMEY, H. A., and BRISTER, C. D. Laboratory tests of rice seed treatments in 1964 for control of seed rot. Plant Dis. Rep. 49(9):738-740. Sept.1965. 1.9 P69P
Caused by *Phycomycetes*
- 33929 LAMEY, H. A. A technique for laboratory evaluation of seed treatments to control rice seed rot. Plant Dis. Rep. 49(9):736-738. Sept. 1965. 1.9 P69P
Seed rot and damping-off tentatively adopted as terms for this disease in Louisiana; chiefly caused by *Pythium* spp. and *Acylya* spp.
- 33930 LAPWOOD, D. H. Laboratory assessments of the susceptibility of potato-tuber tissue to blight (*Phytophthora infestans*). Europe. Potato J. 8 (4):215-229. Ref. Dec.1965. 75.8 Eu7
- 33931 LATCH, G. C. M. Fungous diseases of brome grasses [*Bromus willdenowii*] in New Zealand. New Zeal. J. Agr. Res. 8(4):959-976. Ref. Nov.1965. 23 N4892
- 33932 LATHAM, A. J., and LINN, M. B. An evaluation of certain fungicides for volatility, toxicity and specificity using a double Petri dish diffusion chamber. Plant Dis. Rep. 49(5):398-400. Ref. May 15,1965. 1.9 P69P
- 33933 LAVIOLA, C. Preliminary observations on the biology of *Plasmopara viticola* (Berk. et Curt.) Berl. et de Tini in Apulia. (It) Bari. Univ. Fac. Agr. Ann. 18:141-195. Ref. 1964, pub. 1965. 105.4 B232
English summary.
On grapes.
- 33934 LEBEN, C., and others. Field tests for disease control by an epiphytic bacterium. Phytopathology 55(12):1375-1376. Dec.1965. 464.8 P56
G. C. Draft, J. D. Wilson, and H. F. Winter, joint authors.
Apple scab, cucumber anthracnose, and early blight in tomatoes, caused by *Venturia inaequalis*, *Colletotrichum lagenarium*, and *Alternaria solani*, respectively.

- 33935 LIGHTLE, P. C., and HAWKSWORTH, F. G. New hosts for broom-causing fungi in the Southwest. *Plant Dis. Rep.* 49(5):417-418. May 15, 1965. 1.9 P69P
Witches' broom caused by *Microstroma juglandis* on *Juglans microcarpa*, and by *Articularia quercina minor* on *Quercus dunnii*.
- 33936 LIPSCOMB, H. A., and WITCHER, W. Canker of tulip poplar [*Liriodendron tulipifera*] caused by *Fusarium solani*. *Plant Dis. Rep.* 49(6):507-508. June 15, 1965. 1.9 P69P
South Carolina.
- 33937 LOCKE, S. B. An improved laboratory assay for testing effectiveness of soil chemicals in preventing white rot of onion. *Plant Dis. Rep.* 49(6):546-549. Ref. June 15, 1965. 1.9 P69P
Caused by *Sclerotium cepivorum*.
- 33938 LORBEER, J. W., and STONE, K. W. Reaction of onion [*Allium cepa*] to *Fusarium* basal rot. *Plant Dis. Rep.* 49(6):522-526. Ref. June 15, 1965. 1.9 P69P
Caused by *Fusarium oxysporum cepae* in New York.
- 33939 LUKASHEVICH, A. I. Chemical methods for sanitation of soil affected by sunflower white rot. (Rus) *Khim. Sel'skom Khoz.* 3(8):22-25. Ref. Aug. 1965. 385 K524
Caused by *Sclerotiana libertiana*.
- 33940 LUKE, H. H., and WHEELER, H. Synergistic effects of victorin and phytoalexins on oat tissues. *Phytopathology* 56(1):138-139. Ref. Jan. 1966. 464.8 P56
Victoria blight of oats caused by *Helminthosporium victoriae*.
- 33941 MACE, M. E., and SOLIT, E. Interactions of 3-indoleacetic acid and 3-hydroxytyramine in *Fusarium* wilt of banana. *Phytopathology* 56(2):245-247. Ref. Feb. 1966. 464.8 P56
Fusarium oxysporum cubense.
- 33942 MANNING, W. J., and CROSSAN, D. F. Variation in degree of pathogenicity of isolates of *Phytophthora cinnamomi* to cultivars of *Taxus*. *Plant Dis. Rep.* 50(2):84-87. Ref. Feb. 1966. 1.9 P69P
- 33943 MANTLE, P. G. Hypercapsulated growth of *Leuconostoc mesenteroides* in the sphaelial stage of *Claviceps purpurea*. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 31(4):414-422. Ref. 1965. 448.8 N28A
- 33944 MARCET, E. Marssonina—a new disease of poplar. (Fr) *Schweiz. Pappel-Arbeitsgemeinschaft. Mitt.* 8:8-9. Dec. 1965. 99.9 Sch95
- 33945 MARTENS, J. W., and ARNY, D. C. The effect of potassium fertilizer on the incidence of smut in a susceptible corn [*Zea mays*] inbred. *Plant Dis. Rep.* 50(1):12-13. Jan. 1966. 1.9 P69P
Caused by *Ustilago maydis*.
- 33946 MARZI, G. DE. A full inquiry on results obtained. (It) *Agricoltura* 14(7):54-60. July 1965. 16 Ag8226
Non-copper fungicides in viticulture.
- 33947 MAS, P., BEYRIES, A., and MESSIAEN, C. M. Evidence of an interaction between precocity and sensitivity to *Verticillium* wilt in tomato. (Fr) *Phytopathol. Mediter.* 4(1):25-30. May 1965. 464.8 P565
English summary.
- 33948 MCCLAIN, L. A., and RUBIN, H. L. *Septoria eriobotryae* Maffei, a first report for the United States. *Plant Dis. Rep.* 49(12):1016. Dec. 1965. 1.9 P69P
Leaf spotting fungus on loquat (*Eriobotrya japonica*) in Florida.
- 33949 MCCLAIN, L. A. *Uredo ignava* Arthur, a new report for the United States. *Plant Dis. Rep.* 50(2):112. Feb. 1966. 1.9 P69P
Bambusa infected with rust in Florida.
- 33950 MCKEEN, C. D., and WENSLEY, R. N. Influence of carbohydrate and nitrogenous amendments to soil on incidence of muskmelon wilt and populations of the wilt fungus [*Fusarium oxysporum melonis*]. *Canad. J. Microbiol.* 11(6):987-992. Ref. Dec. 1965. 448.8 C162
Amendments of ethanol, peptone and sucrose.
- 33951 MEREDITH, D. S. Violent spore release in *Stemphylium botryosum* Wallr. *Plant Dis. Rep.* 49(12):1006. Dec. 1965. 1.9 P69P
On onions
- 33952 MICHAEL, S. H., ABD-EL-REHI, M. A., and ELAROSI, H. Artichoke seed-piece decay. *Phytopathol. Mediter.* 4(1):56-57. Ref. May 1965. 464.8 P565
Caused chiefly by *Diplodia musae* and *Aerobacter aerogenes*.
- 33953 MILLER, C. R., and others. Observation on the mode of infection of *Pythium ultimum* and *Phytophthora cactorum* on young roots of peach. *Phytopathology* 56(1):46-49. Ref. Jan. 1966. 464.8 P56
W. M. Dowler, D. H. Petersen, and R. P. Ashworth, joint authors.
- 33954 MITCHELL, J. E., and HAGEDORN, D. J. Chemical control of pea [*Pisum sativum*] root rot incited by *Aphanomyces euteiches*. *Plant Dis. Rep.* 50(2):91-95. Feb. 1966. 1.9 P69P
Control with Dexon.
- 33955 MOHAMED, H. A. Crop rotation studies. I. Fungi isolated from cotton seedlings from the permanent fertilizer experiment at Bahtim. *Plant Dis. Rep.* 49(12):1013-1014. Dec. 1965. 1.9 P69P
Chiefly *Fusarium*, *Rhizoctonia solani*, and *Sclerotium*.
- 33956 MOLLER, W. J., ENGLISH, H., and DAVIS, J. R. The perithecial stage of *Eutypa armeniacae* in California. *Plant Dis. Rep.* 50(1):53. Jan. 1966. 1.9 P69P
Cause of apricot limb dieback.
- 33957 MOORE, J. N. Relative resistance of strawberry varieties and selections to leaf spot in Arkansas. *Plant Dis. Rep.* 50(2):105-108. Feb. 1966. 1.9 P69P
Caused by *Mycosphaerella fragariae*.
- 33958 MORGAN, F. L., HARTWIG, E. E., and HOWELL, R. W. *Phytophthora* rot of soybeans [*Glycine max*] on the High Plains of Texas. *Plant Dis. Rep.* 50(2):104-105. Feb. 1966. 1.9 P69P
Caused by *Phytophthora megasperma sojae*.
- 33959 MORGAN, O. D., and MCKEE, C. Maryland 59 and Maryland 609, two new Maryland tobacco varieties resistant to black shank. *Md. Univ. Ext. Fact Sheet* 173, 2 p. Aug. 1965. 275.29 M36Fa
- 33960 MORRISON, R. H. A species of *Clitocybe* [olearia] associated with declining oak [*Quercus agrifolia*] and sycamore [*Platanus racemosa*] in California. *Plant Dis. Rep.* 49(10):870-871. Oct. 1965. 1.9 P69P
- 33961 MUKHERJI, S. K., and BHATTACHARYA, S. K. A new disease of *Mangifera indica* in India, caused by *Alternaria tenuissima*. *Plant Dis. Rep.* 49(5):405-407. May 15, 1965. 1.9 P69P
- 33962 MUNSTER, J. How to control *Rhizoctonia* of potatoes. (Fr) *Agr. Romande (ser.A)* 4(11):84-86. Nov. 1965. 17 Ag8
- 33963 NAGDY, G. A., and BOYD, A. E. W. Susceptibility of potato varieties to skin spot (*Oospora pustulans*) in relation to the structure of the skin and eye. *Europe. Potato J.* 8(4):200-214. Ref. Dec. 1965. 75.8 Eu7
In Scotland.
- 33965 NALBANDYAN, A. D. Determination of antagonism of microorganisms with the aid of colloidal tubes. (Rus) *Akad. Nauk. Arm. SSR. Izv. Biol. Nauk.* 18(3):11-14. Mar. 1965. 20 Er4
Fusarium and predaceous fungi.

- 33966 NAVARATNAM, S. J., and LEONG, C. K. Root inoculation of oil palm seedlings with *Ganoderma* sp. Plant Dis. Rep. 49(12):1011-1013. Dec.1965. 1.9 P69P
Malaya.
- 33967 NEELY, D., and HIMELICK, E. B. Simultaneous determination of fungistatic and fungicidal properties of chemicals. Phytopathology 56 (2):203-209. Ref. Feb.1966. 464.8 P56
- 33968 NEELY, D., and CARTER, J. C. Species of elm [*Ulmus*] on the University of Illinois campus resistant to Dutch elm disease. Plant Dis. Rep. 49(6):552. June 15,1965. 1.9 P69P
Caused by *Ceratocystis ulmi*.
- 33969 NEMLIENKO, F. E., KALASHNIKOV, K. YA., and GRISENKO, G. V. Diseases of corn. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:201-213. 1964. 464.9 L542S
Fungus and bacterial diseases.
- 33970 NETZER, D., and DISHON, I. Occurrence of *Botrytis allii* in onions for seed production in Israel. Plant Dis. Rep. 50(1):21. Jan.1966. 1.9 P69P
- 33971 NEW ZEALAND DEPT. OF AGRICULTURE. HORTICULTURE DIV. A new threat to *Chrysanthemums*; white rust disease [*Puccinia horiana*]. New Zeal. Plants Gard. 6(3):120-121. June 1965. 80 N4824
- 33972 NIGHSWANDER, J. E., and PATTON, R. F. The epidemiology of the jack pine-oak gall rust (*Cronartium quercuum*) in Wisconsin. Can. J. Bot. 43(12):1561-1581. Ref. Dec.1965. 470 C16C
- 33973 NILOVA, V. P., and KSENDZOVA, E. N. Effects of Thiram and Zineb on biochemical processes in plants affected by causal organism of ascochyta [Ascochyta pinodes and Ascochyta pisi]. (Rus) Khim. Sel'skom Khoz. 4(2):30-33. Ref. Feb.1966. 385 K524
Treatment of pea seeds.
- 33974 NISHIMURA, S., SCHEFFER, R. P., and NELSON, R. R. Victoxinine production by *Helminthosporium* species. Phytopathology 56(1):53-57. Ref. Jan.1966. 464.8 P56
Helminthosporium victoriae, causal agent of Victoria blight of oats.
- 33975 OETZMANN, H. The effect of mercury and some other fungicides on fruit-set. (Ge) Obstbauversuchsrings Alten Landes. Mitt. 20(5):163-172. May 1965. 85 J76
Apple variety Cox-Orange Renette.
- 33976 OLOFSSON, B. Late blight control, vine killing and vascular discoloration. (Sw) Sveriges Potatisodlares Riksforbund. Potatis 1965:45-50. 75.8 Sv2
Potatoes.
- 33977 O'RIORDAIN, F., and KAVANAGH, T. Marssonina leaf spot of poplar [*Populus*]. Irish J. Agr. Res. 4(2):233-235. Ref. Oct.1965. 10.5 Ir45
Caused by *Marssonina populi-nigrae*.
- 33978 PANDE, H. K., and TILAK, K. V. B. R. Studies on the incidence and fungicidal control of early blight (*Alternaria solani*) in ultimus potato under varying levels of fertility. J. Sci. Eng. Res. 9(1):179-183. Ref. Jan.1965. 475 J825
- 33979 PARKINSON, D., and THOMAS, A. A comparison of methods for the isolation of fungi from rhizospheres. Canad. J. Microbiol. 11(6):1001-1007. Ref. Dec.1965. 448.8 C162
On beans.
Chiefly *Fusarium*, *Mucor* and *Mortierella*.
- 33980 PAVGI, M. S. Observations on the morphology and pathogenic reactions of two races of *Puccinia sorghi* and their inbred recombinants on a susceptible host [corn]. Plant Dis. Rep. 50 (2):119-122. Ref. Feb.1966. 1.9 P69P
India.
- 33981 PAWSEY, R. G. Cycloheximide fungicide trials against *Didymascella thujina* on Western red cedar, *Thuja plicata*. Great Brit. Forest. Comm. Rep. Forest Res. 1964:141-150. 1965. 99.9 G795Re
- 33982 PEPPER, E. H. Nematodes [*Panagrolaimus*] associated with melting-out of turfgrass [*Poa pratensis*]. Plant Dis. Rep. 49(6):519-521. June 15,1965. 1.9 P69P
Infected by *Helminthosporium vagans*.
- 33983 PERIES, O. S., and DANTANARAYANA, D. M. Compatibility and variation in *Phytophthora* cultures isolated from *Hevea brasiliensis* in Ceylon. Brit. Mycol. Soc. Trans. 48(4):631-637. Ref. Dec.1965. 451 B76
- 33984 PETERSON, G. W., SUMNER, D. R., and NORMAN, C. Control of *Phomopsis* blight of eastern redcedar [*Juniperus virginiana*] seedlings. Plant Dis. Rep. 49(6):529-531. June 15,1965. 1.9 P69P
Caused by *Phomopsis juniperovora*.
- 33985 PETERSON, J. L., and DAVIS, S. H. A *Fusarium* canker of *Sophora japonica*. Plant Dis. Rep. 49(10):835-836. Oct.1965. 1.9 P69P
Caused by *Fusarium lateritium*
- 33986 PLATT, W. D., COWLING, E. B., and HODGES, C. S. Comparative resistance of coniferous root wood and stem wood to decay by isolates of *Fomes annosus*. Phytopathology 55 (12):1347-1353. Ref. Dec.1965. 464.8 P56
Pinus spp. and *Juniperus virginiana*.
- 33987 POLYAKOV, I. M., and MENDE, V. N. Adaptation of fungi *Puccinia* to fungicides. (Rus) Khim. Sel'skom Khoz. 1:34-37. Jan.1965. 385 K524
In control of wheat rust, caused by *Puccinia graminis tritici* and *Puccinia graminis secalis*.
- 33988 PONT, W., and O'BRIEN, R. G. Fungicides for tobacco blue mould control. Queensland Agr. J. 91(11):680-681. Nov.1965. 23 Q33
- 33989 PRADO, F. A. DEL. White rust a new disease in Surinam. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:47-48. 1964. 64.9 C19
Caused by *Albugo candida* on Chinese cabbage.
- 33990 PRAKASAM, P., and APPALANARASAYYA, P. Study of red rot flora in Andhra Pradesh. Andhra Agr. J. 11(5):210-213. 1964. 34.2 An4
In sugarcane.
- 33991 PURKAYASTHA, R. P., and DEVERALL, B. J. The detection of antifungal substances before and after infection of beans (*Vicia faba* L.) by *Botrytis* spp. Ann. Appl. Biol. 56(2):269-277. Ref. Oct.1965. 442.8 An72
Botrytis cinerea and *B. fabae*.
- 33992 PURKAYASTHA, R. P., and DEVERALL, B. J. The growth of *Botrytis fabae* and *B. cinerea* into leaves of bean (*Vicia faba* L.). Ann. Appl. Biol. 56(1):139-147. Ref. Aug.1965. 442.8 An72
- 33993 RAABE, R. D. Some previously unreported hosts of *Armillaria mellea* in California. Plant Dis. Rep. 49(10):812. Oct.1965. 1.9 P69P
Ornamental plants and trees.
- 33994 RAFFRAY, J. B., and SINCLAIR, J. B. Fungicide tolerance in *Rhizoctonia solani* influenced by temperature and serial transfer in fungicide-treated soil. Plant Dis. Rep. 49(6):500-503. Ref. June 15,1965. 1.9 P69P
Isolated from cotton.
- 33995 RAGAB, M. M., and others. White rot disease of onion in relation to methods and dates of inoculation, and its incidence in the seedbed. Plant Dis. Rep. 49(9):760-763. Sept.1965. 1.9 P69P
W. A. Warid, A. A. El-Shehedi, and A. A. Ahmed, joint authors.
Caused by *Sclerotium cepivorum* in Cairo.

- 33996 RAO, P. G., DAKSHINAMURTY, V., and HASH-MATH. Grape vine wilt—a new problem. *Andhra Agr. J.* 11(5):205-209. 1964. 34.2 An4
- 33997 REHOVOT. NATIONAL AND UNIVERSITY INSTITUTE OF AGRICULTURE. VOLCANI INSTITUTE OF AGRICULTURAL RESEARCH. The effect of disinfectants on the development in vitro of the fungus *Fusarium moniliforme* Sheldon, by R. Barkai-Golan and N. Temkin-Gorodeiski; Field experiments on the control of "black heart" disease of banana fruits, by N. Temkin-Gorodeiski and M. Chorin. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 505, 16 p. Sept. 1965. 107 R26
English summary.
- 33998 REICHLE, R. E. An electron microscope study of *Fusarium solani* f. *phaseoli* in bean hypocotyls. *Diss. Abs.* 26(6):2967. Dec. 1965. 241.8 M58
- 33999 REXRODE, C. O., and LINCOLN, A. C. Distribution of oak wilt. *Plant Dis. Rep.* 49(12):1007-1010, map. Dec. 1965. 1.9 P69P
Caused by *Ceratocystis fagacearum*.
- 34000 RIVERS, G. W., MARTIN, J. A., and KINMAN, M. L. Reaction of sesame to *Fusarium* wilt in South Carolina. *Plant Dis. Rep.* 49(5):383-385. May 15, 1965. 1.9 P69P
Caused by *Fusarium oxysporum* *sesami*.
- 34001 ROOSJE, G. S., and others. Waarnemingen en onderzoek over appelmeeldauw in Nederland van 1953 tot 1963. Observations and research on apple powdery mildew, *Podosphaera leucotricha* (Ell. et Everh.) Salm., in the Netherlands from 1953 till 1963. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 654, 154 p. Ref. 1965. 105.2 V61V
A. F. H. Besemer, C. A. R. Meijneke, and J. J. Post, joint authors.
English summary.
Issued also as Wageningen. Instituut voor Plantenziektenkundig Onderzoek. Mededeling No. 369 (464.9 W123)
- 34002 ROTH, G., and LOEST, F. C. Collar rot of banana hands and its associated micro-organisms. *Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun.* 44, 14 p. Ref. 1965. 24 So863
Fungi and bacteria.
- 34003 ROY, I. Glutamic acid dehydrogenase activity associated with pathogenicity of *Fusarium* in tomato. *Diss. Abs.* 26(7):3572. Jan. 1966. 241.8 M58
- 34004 RUI, D. Only positive effects from the use of non-copper fungicides. (It) *Agricoltura* 14(7):61-67. Ref. July 1965. 16 Ag8226
In viticulture.
- 34005 RUPPEL, E. G., and ALMEYDA, N. Susceptibility of native *Piper* species to the collar-rot pathogen of black pepper [*Piper nigrum*] in Puerto Rico. *Plant Dis. Rep.* 49(6):550-551. June 15, 1965. 1.9 P69P
Caused by *Phytophthora*.
- 34006 RUSSELL, G. E. The control of *Alternaria* species on leaves of sugar beet infected with yellowing viruses. I. Some effects of four fungicides on two beet varieties. *Ann. Appl. Biol.* 56(1):111-118. Ref. Aug. 1965. 442.8 An72
- 34007 SALLANS, B. J. Root rots of cereals. III. *Bot. Rev.* 31(4):505-536. Ref. Oct./Dec. 1965. 450 B6527
Literature review.
- 34008 SALT, G. A. Pathology experiments on Sitka spruce seedlings. *Great Brit. Forest. Comm. Rep. Forest Res.* 1964:89-95. 1965. 99.9 G795Re
Chiefly fungus diseases.
- 34009 SCHAFER, J. F., and others. Stem rust resistance of the "Ukraine" oat and derivatives. *Plant Dis. Rep.* 49(5):403-404. May 15, 1965. 1.9 P69P
R. M. Caldwell, L. E. Compton, and F. L. Patterson, joint authors.
Caused by *Puccinia graminis* *avenae*.
- 34010 SCHIFFMANN-NADEL, M., and COHEN, E. The influence of time of treatment and of conditions in the grove on the effectiveness of heat treatment in the control of brown-rot [*Phytophthora citrophthora*] of citrus fruits. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 485, 10 p. Jan. 1965. 107 R26
English summary.
- 34011 SCHOENEWEISS, D. F. *Cytospora* canker on thornless honey locust trees [*Gleditsia triacanthos inermis*]. *Plant Dis. Rep.* 50(1):13-14. Jan. 1966. 1.9 P69P
Caused by *Cytospora gleditschiae*.
- 34012 SCHREIBER, L. R. An inoculation technique using nylon mesh. *Plant Dis. Rep.* 50(2):122-123. Feb. 1966. 1.9 P69P
To test pathogenicity of *Fusarium* on *Morus tatarica* and *Botryosphaeria ribis* on ornamental plants.
- 34013 SCHROEDER, H. W. Fungus deterioration of rice: effects of fungus infection on free amino acids and reducing sugars in white and par-boiled rice. *Cereal Chem.* 42(6):539-545. Nov. 1965. 59.8 C33
Fusarium chlamydosporium.
- 34014 SEBESTA, J. *Penicillium* sp., a cause of plant diseases. (Cz) *Ziva* 13(1):14-15. Jan. 1965. 409.6 Z6
- 34015 SHERROD, L. L., and ELLIOT, A. M. Relative prevalence of *Verticillium* wilt and *Fusarium* wilt of cotton in the South Plains area of Texas. *Plant Dis. Rep.* 49(12):999-1002. Dec. 1965. 1.9 P69P
Verticillium albo-atrum and *Fusarium oxysporum* *vasinfectum* as causal agents.
- 34016 SHERROD, L. L., and ELLIOT, A. M. Use of disposable plastic growth pouches in phytopathological research. *Plant Dis. Rep.* 49(10):852-853. Oct. 1965. 1.9 P69P
Studies of penetration of cotton and grain sorghum roots by *Verticillium albo-atrum*.
- 34017 SHOEMAKER, R. A., and STRABY, A. E. *Pestalotia langloisii* on *Gardenias*. *Plant Dis. Rep.* 49(10):832-833. Oct. 1965. 1.9 P69P
Leaf spot.
- 34018 SIMMONDS, J. H. Papaw diseases. *Queensland Agr. J.* 91(11):666-677. Nov. 1965. 23 Q33
Chiefly fungus and virus diseases.
- 34019 SINGH, R. S., and KHANNA, R. N. Black core rot of mandarin oranges caused by *Alternaria tenuis* Auct. *Plant Dis. Rep.* 50(2):127-131. Feb. 1966. 1.9 P69P
India.
- 34020 SMITH, R. S. Effect of diurnal temperature fluctuations on the charcoal root disease of *Pinus lambertiana*. *Phytopathology* 56(1):61-64. Ref. Jan. 1966. 464.8 P56
Caused by *Macrophomina phaseoli*.
- 34021 SMOOT, J. J., and MELVIN, C. F. Reduction of citrus decay by hot-water treatment. *Plant Dis. Rep.* 49(6):463-467. June 15, 1965. 1.9 P69P
Florida.
- 34022 SNOW, G. A., and RONCATORI, R. W. Oak [*Quercus nigra*] leaf age and susceptibility to *Cronartium fusiforme*. *Plant Dis. Rep.* 49(12):972-975. Dec. 1965. 1.9 P69P
- 34023 SOBERS, E. K. A form of *Stemphylium floricolum* pathogenic to species of *Kalanchoe*. *Phytopathology* 55(12):1313-1316. Dec. 1965. 464.8 P56
Leaf spot in *Kalanchoe fedtschenkoi*, *K. globosa*, and *K. laxiflora*.
- 34024 SORIA V., J., and SALAZAR, G. Preliminary tests on resistance of cacao clones and hybrids to *Ceratocystis fimbriata*. (Sp) *Turrialba* 15(4):290-295. Oct./Dec. 1965. 8 T86
English summary.

- 34025 STALEY, J. M. Scleroderris [abieticola] canker of subalpine fir [*Abies lasiocarpa*] in Colorado. *Plant Dis. Rep.* 49(10):882. Oct.1965. 1.9 P69P
- 34026 STEWART, D. M., and others. Virulent races of oat stem rust found near barberry. *Phytopathology* 55(12):1377-1378. Dec.1965. 464.8 P56
B. J. Roberts, M. A. Campbell, and E. D. Eckess, joint authors.
Physiologic races of *Puccinia graminis tritici*, and association with *Berberis vulgaris*.
- 34027 STEWART, J. L. Fomes annosus found in Nebraska. *Plant Dis. Rep.* 49(5):456. May 15, 1965. 1.9 P69P
Found to be killing *Pinus banksiana*.
- 34028 STRIDER, D. L., and KONSLE, T. R. An evaluation of the Cucurbita for scab resistance. *Plant Dis. Rep.* 49(5):388-391. Ref. May 15, 1965. 1.9 P69P
Caused by *Cladosporium cucumerinum*.
- 34029 SUBBA-RAO, N. S. Water relations in Fusarium [vasinfectum] infected cotton plants. *Indian J. Exp. Biol.* 3(3):193-197. Ref. July 1965. 442.8 In2
- 34030 SYMPOSIUM ON ROOT ROT OF DRY BEANS. [Proceedings]. U. S. Agr. Res. Serv. ARS-74-32:65-82. July 1965. A381 R31Ab
- 34031 SYMPOSIUM ON TAXONOMY OF PATHOGENIC FUNGI, LAFAYETTE, 1964. Invitational papers presented at the fifty-sixth annual meeting of the American Phytopathological Society, Lafayette, Indiana, August 23-26, 1964. *Phytopathology* 55(8):810-837. Aug.1965. 464.8 P56
- 34032 TAHORI, A. S., ZEIDLER, G., and HALEVY, A. H. Effect of some plant growth-retarding compounds on three fungal diseases and one viral disease. *Plant Dis. Rep.* 49(9):775-777. Sept.1965. 1.9 P69P
Fungus diseases of field crops, and tobacco mosaic virus on *Nicotiana glutinosa* in Israel.
- 34033 TALBURT, D. E. Some effects of the rare earths and yttrium on the growth and metabolism of *Aspergillus niger*. *Diss. Abs.* 26(7):3606-3607. Jan.1966. 241.8 M58
- 34034 TAMM, U. Poplar diseases in the Estonian SSR. (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 2:234-246. Ref. 1965. 442.9 Ak18
English summary.
Chiefly fungus diseases.
- 34035 TEGETHOFF, A. C. Resurvey for European larch canker in Essex County, Massachusetts, 1965. *Plant Dis. Rep.* 49(10):834-835. Oct. 1965. 1.9 P69P
Caused by *Dasyscypha willkommii*.
- 34036 TEMKIN-GORODEISKI, N., CHORIN, M., and COHEN, E. "Black heart" disease of banana fruits. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 504,14 p. Sept.1965. 107 R26
English summary.
Caused by *Fusarium moniliforme*.
- 34037 TILAK, K. V. B. R. Investigations on the growth of *Colletotrichum falcatum* Went on susceptible and resistant sugarcane juices. *J. Sci. Eng. Res.* 9(1):193-200. Jan.1965. 475 J825
- 34038 TOOLE, E. R. Decay 10 years after thinning of sweetgum [*Liquidambar styraciflua*] sprout clumps. *Plant Dis. Rep.* 49(12):986. Dec.1965. 1.9 P69P
Daedalea confragosa, *Pleurotus ostreatus*, and *P. ulmarius* on stumps.
- 34039 TRUJILLO, E. E., and HINE, R. B. The role of papaya residues in papaya root rot caused by *Pythium aphanidermatum* and *Phytophthora parasitica*. *Phytopathology* 55(12):1293-1298. Ref. Dec.1965. 464.8 P56
- 34040 VAARTAJA, O., and BUMBIERIS, M. Control of conifer [*Pinus radiata*] damping-off in south Australia. *Plant Dis. Rep.* 49(6):504-506. June 15,1965. 1.9 P69P
Control by seed treatments.
- 34041 VAINTRAUB, F. P., and MAKRUISHINA, A. T. Reasons for decreased effect of dinitroresol used in spraying against apple scab. (Rus) *Khim. Sel'skom Khoz.* 3(10):39-41. Oct.1965. 385 K524
- 34042 VAN DER WESTHUIZEN, G. C. A. A disease of young *Eucalyptus saligna* in northern Transvaal. *S. Afr. Forest. J.* 54:12-16. Ref. Sept. 1965. 99.9 So82
Caused by various fungi spp.
- 34043 VAN DER ZWET, T., and others. Angular leaf spot of tung [*Aleurites fordii*] caused by *Mycosphaerella aleuritidis*: effect of disease on yield and oil content of the fruit. *Plant Dis. Rep.* 50(1):54-58. Ref. Jan.1966. 1.9 P69P
B. G. Sifton, W. A. Lewis, and W. W. Kilby, joint authors.
Use of Bordeaux mixture and petroleum oil mist.
- 34044 VESELY, R. *Phellinus ribis* on currants. (Cz) *Ziva* 13(4):124. July 1965. 409.6 Z6
- 34045 WALKER, J. Rusts of *Medicago* spp. in Australia and New Zealand. *Austral. J. Sci.* 28(4):168. Oct.1965. 475 Au72
Uromyces striatus and *Uromyces anthyllidis*.
- 34046 WATSON, A. G. Clubroot control in Pukekohe. *New Zeal. J. Agr. Res.* 8(4):988-996. Ref. Nov.1965. 23 N4892
Disease of cabbage caused by *Plasmodiophora brassicae*.
- 34047 WATSON, A. G. Toxicity and persistence of certain fungicides against *Plasmodiophora brassicae* Wor. *New Zeal. J. Agr. Res.* 8(4):977-987. Ref. Nov.1965. 23 N4892
Cause of clubroot disease of cruciferous crops.
- 34048 WATSON, D. R. W. Sugarcane rust in Tanganyika. *Plant Dis. Rep.* 49(9):764. Sept.1965. 1.9 P69P
Caused by *Puccinia erianthi*.
- 34049 WAUCHOPE, D. C. Apple powdery mildew [*Podosphaera leucotricha*]. *Fruit World Market Grower* 66(8):30. Aug.1965. 80 F948
Includes chemical control with Phygon.
- 34050 WEIDENSAUL, T. C., and PLAUGHER, N. H. An evaluation of three stump treatment chemicals for preventing surface infection by *Fomes annosus*. *Plant Dis. Rep.* 50(1):22-25. Ref. Jan.1966. 1.9 P69P
Creosote, urea, and liquid borate as chemicals suitable for preventing stump infection in pitch pine (*Pinus rigida*) and red pine (*Pinus resinosa*) in Virginia.
- 34051 WEINDLMAYR, J. Research on the influence of increased nitrogen, potassium, and phosphorus applications on the *Phytophthora* susceptibility of potato plants in nutrient solutions. (Ge) *Bodenkultur* 16(1/2):144-168. Ref. Feb./May 1965. 19 B635
English summary.
- 34052 WELLS, H. D., and WINSTEAD, E. E. Seed-borne fungi in Georgia-grown and western-grown pearl millet [*Pennisetum glaucum*] seed on sale in Georgia during 1960. *Plant Dis. Rep.* 49(6):487-489. June 15,1965. 1.9 P69P
Helminthosporium setariae and *Fusarium moniliforme*.
- 34053 WESTER, R. E. Distribution of B strain downy mildew of lima bean in 1964. *Plant Dis. Rep.* 49(5):447-448. May 15,1965. 1.9 P69P
Caused by *Phytophthora phaseoli* in New Jersey.
- 34054 WICHANSKY, E. Wood destroying fungi in the public garden Petrinske sady in Praha. (Cz) *Mykol. Sb.* 42(7/8):116-118. Oct.1965. 450 C27
- 34055 WIDJANARKO, S. Parasitism and losses due to tea root disease fungi. (In) *Menara Perkebunan* 34(1):16-19. Jan.1965. 22.5 B45
English summary.
Rosellinia arcuata, *R. bunodes*, and *Ganoderma pseudoferreum*.

- 34056 WILSON, H. M. Conidia of *Botrytis cinerea*: labeling by fluorescent vital staining. *Science* 151(3707):212. Jan. 14, 1966. 470 Sci2
In tomatoes.
- 34057 WILSON, I. M., WALSHAW, D. F., and WALKER, J. The new groundsel rust [*Puccinia terrieriana*] in Britain and its relationship to certain Australasian rusts. *Brit. Mycol. Soc. Trans.* 48(4):501-511, map. Ref. Dec. 1965. 451 B76
Senecio vulgaris and other spp. as hosts.
- 34058 WILSON, J. D., and HEDDEN, O. K. Gallonage influences spray deposition and adhesion. *Ohio. Rep. Res. Develop. Biol. Agr. Home Econ.* 50(3):38-39. May/June 1965. 100 Oh3S
Fungicide application in control of foliage diseases of field crops.
- 34059 WORLEY, R. E., and MORTON, D. J. Calcium sources and certain soil fungicides do not control southern blight of tomato. *Ga. Agr. Res.* 7(2):7-9. Ref. Fall 1965. 100 G295
Sclerotium rolfsii, causal organism.
- 34060 WUEST, P. J., and SCHMITT, C. G. Greenhouse tests to compare European and Beltsville isolates of *Peronospora tabacina*. *Plant Dis. Rep.* 49(5):367-370. May 15, 1965. 1.9 P69P
Tobacco.
- 34061 WYSONG, D. S., and HOOKER, A. L. Relation of soluble solids content and pith condition to *Diplodia* stalk rot in corn hybrids. *Phytopathology* 56(1):26-35. Ref. Jan. 1966. 464.8 P56
Diplodia maydis.
- 34062 YARWOOD, C. E. Predisposition to mildew by rust infection, heat, abrasion, and pressure. *Phytopathology* 55(12):1372. Dec. 1965. 464.8 P56
Sphaerotheca fuliginea in beans and cowpeas, and beans infected with *Uromyces phaseoli*.
- 34063 ZAKHAROVA, T. I. Smut of grain crops. (Rus) *Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy* 22:176-188. 1964. 464.9 L542S
- 34064 ZAKI, A. I., and MIROCHA, C. J. Carbon dioxide fixation by rust-infected bean plants in the dark. *Phytopathology* 55(12):1303-1308. Ref. Dec. 1965. 464.8 P56
Infected with *Uromyces phaseoli typica*, with radioactive carbon used in fixation.
- 34065 ZARACOVITIS, C. Attempts to identify powdery mildew fungi by conidial characters. *Brit. Mycol. Soc. Trans.* 48(4):553-558. Ref. Dec. 1965. 451 B76
Includes host plants.
- 34066 ZBARSKII, E. A., and ANDREEVA, E. I. Effective use of vapam against cotton wilt. (Rus) *Khim. Sel'skom Khoz.* 4:35-38. Apr. 1965. 385 K524
Caused by *Verticillium*.
- 34067 ZIMMER, D. E., and LEININGER, L. N. Sources of rust resistance in safflower [*Carthamus tinctorius*]. *Plant Dis. Rep.* 49(5):440-442. May 15, 1965. 1.9 P69P
Caused by *Puccinia carthami* in Utah; plants introduced from various countries.
- 34068 ZSCHEILE, F. P. Germination of teliospores and type of growth of common and dwarf bunt fungi as affected by light, photoperiod, and temperature. *Phytopathology* 55(12):1286-1292. Dec. 1965. 464.8 P56
Tilletia caries and *T. controversa* in wheat.
- 34069 ZUCKERMAN, M., and ROCHEFFORT, K. Observations on the symptoms and control of cranberry red-gall disease. *Cranberries* 30(7):12-13. Nov. 1965. 80 C852
Caused by the fungus *Synchytrium vaccinii*.
- Diseases Caused by Bacteria**
- 34070 ARAGAKI, M., and QUINON, V. L. Bacterial wilt of ornamental gingers (*Hedychium* spp.) caused by *Pseudomonas solanacearum*. *Plant Dis. Rep.* 49(5):378-379. May 15, 1965. 1.9 P69P
On *Hedychium flavum*, *H. coronarium*, and *H. gardnerianum* in Hawaii.
- 34071 BETENCOURT, A., and PRUNIER, J. P. Concerning lenticel dry rot of potato tubers caused by *Erwinia carotovora* (Jones) Holland. (Fr) *Europe. Potato J.* 8(4):230-242. Ref. Dec. 1965. 75.8 Eu7
English summary.
Includes discussion.
- 34072 BLODGETT, E. C., AICHELE, M. D., and MURRAY, E. L. Greenhouse tests on fire blight susceptibility of Stewart Bartlett compared with three other Bartlett pear clones. *Plant Dis. Rep.* 49(9):769-770. Sept. 1965. 1.9 P69P
Caused by *Erwinia amylovora* in Washington.
- 34073 DEEP, I. W., and HUSSIN, H. Influence of temperature on initiation of crown gall in woody hosts. *Plant Dis. Rep.* 49(9):734-735. Sept. 1965. 1.9 P69P
Chiefly on mazzard cherries (*Prunus avium*); includes other fruit and Norway maple (*Acer platanoides*); caused by *Agrobacterium tumefaciens*.
- 34074 DICKEY, R. S. In vitro sensitivity of 104 isolates of *Agrobacterium tumefaciens* to 14 antibiotics. *Plant Dis. Rep.* 49(6):470-474. Ref. June 15, 1965. 1.9 P69P
- 34075 DUKES, P. D., MORTON, D. J., and JENKINS, S. F. Bacterial wilt of *Tagetes minuta*. *Plant Dis. Rep.* 49(10):847-848. Oct. 1965. 1.9 P69P
Caused by *Pseudomonas solanacearum*
- 34076 GREBNER, E. E. Glycoside oxidation by *Agrobacterium tumefaciens*. *Diss. Abs.* 26(6):3016. Dec. 1965. 241.8 M58
Plant pathogen.
- 34077 GUTHRIE, J. W., HUBER, D. M., and FENWICK, H. S. Bacterial blight of peas incited by *Pseudomonas phaseolicola* (Burk.) Dows. *Plant Dis. Rep.* 49(10):854. Oct. 1965. 1.9 P69P
Pacific Northwest.
- 34078 HARRISON, D. E., and FREEMAN, H. Bacterial brown spot (*Pseudomonas syringae*) of French bean. *J. Agr. [Melbourne]* 63(11):523-526, 533. Ref. Nov. 1965. 23 V66J
- 34079 HUISINGH, D., and DURBIN, R. D. A device for rapidly and uniformly inoculating plants with *Agrobacterium rhizogenes* and other bacteria that require wounds. *Plant Dis. Rep.* 49(10):878-879. Oct. 1965. 1.9 P69P
Includes *Agrobacterium tumefaciens* and *Erwinia tracheiphila*.
- 34080 HUISINGH, D. Physiology of hairy root and its incitant *Agrobacterium rhizogenes*. *Diss. Abs.* 26(7):3574. Jan. 1966. 241.8 M58
Studied on 27 plants.
- 34081 JACOBS, S. E., HABISH, H. A., and DADD, A. H. Studies on induced mutants of *Corynebacterium fascians* and on their pathogenicity in comparison with that of "natural" strains. *Ann. Appl. Biol.* 56(1):161-170. Ref. Aug. 1965. 442.8 An72
Causing stunting and fasciation in many plants.
- 34082 JOBLING, J., and YOUNG, C. W. T. Apparent variations in the resistance of poplar clones to bacterial canker. *Great Brit. Forest. Comm. Rep. Forest Res.* 1964:151-157. 1965. 99.9 G795Re
- 34083 KENNEDY, B. W. Infection of *Potentilla* by *Xanthomonas fragariae*. *Plant Dis. Rep.* 49(6):491-492. June 15, 1965. 1.9 P69P
- 34084 LAYNE, R. E. C. Susceptibility of apricots to bacterial spot infection of foliage and fruit. *Plant Dis. Rep.* 50(2):112-115. Feb. 1966. 1.9 P69P
Caused by *Xanthomonas pruni* in Ontario.
- 34085 MALEKZADEH, F. Evaluation of phenacridane chloride as a seed treatment for control of black rot of crucifers. *Plant Dis. Rep.* 49(5):439. May 15, 1965. 1.9 P69P
Caused by *Xanthomonas campestris* in Iran.

- 34086 MENAGE, A., and MOREL, G. The present of a new amino acid in the tissue of crown gall [*Agrobacterium tumefaciens*]. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):561-562. 1965. 442.9 P21
Octopine from *Scorzonera*.
- 34087 MILLIKAN, D. F., GUENGERICH, H. W., and GOODMAN, R. N. Gummosis and leaf spotting of sweet cherry, symptoms associated with bacterial infection. Plant Dis. Rep. 49(5):380-381. May 15, 1965. 1.9 P69P
Caused by *Pseudomonas syringae* and *Xanthomonas pruni* in Missouri; includes chemical control.
- 34088 MORTON, D. J., and THYR, B. D. Serologically diagnosing bacterial canker [*Lycopersicon esculentum*] of tomato. Plant Dis. Rep. 52(2):96-97. Feb. 1966. 1.9 P69P
Caused by *Corynebacterium michiganense*.
- 34089 SCHNATHORST, W. C. Unaltered specificity in several xanthomonads after repeated passage through *Phaseolus vulgaris*. Phytopathology 56(1):58-60. Jan. 1966. 464.8 P56
Host-pathogen relationships.
- 34090 TACHIBANA, H., and SHIH, M. A leaf-crinkling bacterium of soybeans. Plant Dis. Rep. 49(5):396-397. May 15, 1965. 1.9 P69P
- 34091 THAYER, P. L. Temperature effect on growth and pathogenicity to celery of *Pseudomonas apii* and *P. cichorii*. Phytopathology 55(12):1365. Dec. 1965. 464.8 P56
- 34092 THYR, B. D. Bacterial canker and spotted wilt of tomato in the west-central Great Plains. Plant Dis. Rep. 49(5):386-387. May 15, 1965. 1.9 P69P
Bacterial canker caused by *Corynebacterium michiganense*.
- 34093 UROSEVIC, B. Bacterial canker of poplars. (Cz) Lesnicka Prace 44(9):421-422. Sept. 1965. 99.8 L56
- 34094 WEBB, R. E., and GOTH, R. W. A seedborne bacterium isolated from watermelon. Plant Dis. Rep. 49(10):818-821. Oct. 1965. 1.9 P69P
- 34095 WIEBEL, F. J., CROSSAN, D. F., and FIELDHOUSE, D. J. Evaluation of bactericidal and non-bactericidal compounds for control of bacterial spot of pepper. Plant Dis. Rep. 49(9):748-750. Sept. 1965. 1.9 P69P
Caused by *Xanthomonas vesicatoria*.
- Viruses and Virus Diseases**
- 34096 ALLEN, T. C. Field spread of potato virus A inhibited by oil. Plant Dis. Rep. 49(6):557. June 15, 1965. 1.9 P69P
- 34097 ATTAFUAH, A., and GLENDINNING, D. R. Studies on resistance and tolerance to cocoa viruses in Ghana. I-II. Ann. Appl. Biol. 56(2):219-230. Ref. Oct. 1965. 442.8 An72
I, A survey of the T17 progeny; II, A survey of breeding material.
- 34098 BELJANSKI, M. RNA isolated from turnip yellow mosaic virus receptor of L-amino acids in the presence of bacterial enzymes. (Fr) Soc. Chim. Biol. Bull. 47(8/9):1645-1652. 1965. 383 So1
English summary.
- 34099 BORUS, J. Results of seed-potato growing experiments performed with the destruction of haulm. (Hu) Kiserletugyi Közlemenyek 57/A(3):67-80. 1964, pub. 1965. 105.9 H89
English summary.
In relation to leaf roll virus control.
- 34100 BRANDES, J., and BERCKS, R. Gross morphology and serology as a basis for classification of elongated plant viruses. Advn. Virus Res. 11:1-24. Ref. 1965. 448.8 Ad9
- 34101 BRANTS, D. H., and HEUVEL, J. VAN DEN. Investigation of *Hippeastrum* mosaic virus in *Hippeastrum hybridum*. Neth. J. Plant Pathol. 71(5):145-151. Ref. 1965. 464.8 T44
- 34102 BROADBENT, L. The epidemiology of tomato mosaic. XI. Seed-transmission of TMV. Ann. Appl. Biol. 56(2):177-205. Ref. Oct. 1965. 442.8 An72
- 34103 BUCHHOLTZ, W. F., FORD, R. E., and LAMBE, R. C. Maize dwarf mosaic virus in Iowa. Plant Dis. Rep. 50(2):88. Feb. 1966. 1.9 P69P
- 34104 CANOVA, A., and TACCONI, R. Research on strawberry virus. II. A virus transmitted by sap. (It) Phytopathol. Mediter. 4(1):31-37. Ref. May 1965. 464.8 P565
English summary.
Transmission tests with various plants.
- 34105 CARLSTROM, L. Experiences with winter testing in Sweden. (Sw) Sveriges Potatisodlars Riksförbund. Potatis 1965:33-38. 75.8 Sv2
Greenhouse testing of seed potatoes for virus Y.
- 34106 CHERKASSKII, E. S., and KORNEEVA, I. T. Adaptation of *Dahlia* mosaic virus to *Zinnia*, and production of anti-sera for purposes of serological diagnostics. (Rus) Akad. Nauk SSSR. Dok. 165(3):696-698. 1965. 511 P444A
- 34107 CHILDS, J. F. L., and JOHNSON, R. E. Preliminary report of seed transmission of psorosis virus. Plant Dis. Rep. 50(2):81-83. Feb. 1966. 1.9 P69P
Citranges in Florida.
- 34108 CHOD, J. Studies of some ways in which carrot mosaic virus can be transmitted. Biol. Plant. 7(6):463-468. 1965. 450 B52
- 34109 COOPER, W. E. A destructive virus disease of peanut. Plant Dis. Rep. 50(2):136. Feb. 1966. 1.9 P69P
North Carolina.
- 34110 DALE, J. L., and ANZALONE, L. Infection of sugarcane with mechanically transmissible corn virus. Plant Dis. Rep. 49(9):757-760. Ref. Sept. 1965. 1.9 P69P
Maize dwarf mosaic and sugarcane mosaic virus.
- 34111 DE BOKX, J. A. Hosts and electron microscopy of two papayas [*Carica papaya*] viruses. Plant Dis. Rep. 49(9):742-746. Ref. Sept. 1965. 1.9 P69P
Ringspot and mosaic in Florida.
- 34112 DVOICHENKOVA, E. A. Basic trends in study of chemical treatment of plants against virus diseases. (Rus) Khim. Sel'skom Khoz. 1:40-47. Ref. Jan. 1965. 385 K54
- 34113 EPSTEIN, A. H. *Sphaerotheca humuli* on *Rubus henryi*. Plant Dis. Rep. 49(10):814. Oct. 1965. 1.9 P69P
- 34114 FORD, R. E., and BAGGETT, J. R. Reactions of plant introduction lines of *Pisum sativum* to alfalfa mosaic, clover yellow mosaic, and pea streak viruses, and to powdery mildew. Plant Dis. Rep. 49(9):787-789. Sept. 1965. 1.9 P69P
- 34115 FOSTER, R. E. Comparison of five varieties of *Nicotiana tabacum* as reservoir hosts of cucumber mosaic virus. Plant Dis. Rep. 50(2):79-81. Ref. Feb. 1966. 1.9 P69P
Arizona.
- 34116 GES', D. K. Mosaic disease of cucumbers in greenhouses. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(8):555-557. Aug. 1965. 511 M663D
- 34117 GIGOT, C., PHILIPPS, G., and HIRTH, L. Properties of ribonucleic acids extracted from leaves of [*Brassica*] *chinensis* infected by turnip yellow mosaic virus. (Fr) Soc. Chim. Biol. Bull. 47(8/9):1667-1676. Ref. 1965. 383 So1
English summary.
- 34118 GOODMAN, P. J., WATSON, M. A., and HILL, A. R. C. Sugar and fructosan accumulation in virus-infected plants: rapid testing by circular-paper chromatography. Ann. Appl. Biol. 56(1):65-72. Ref. Aug. 1965. 442.8 An72
Tests with cereals, sugar beets and carrots.

- 34119 GRIPP, P. A practical virus elimination program. Amer. Orchid Soc. Bull. 34(9):830-831. Sept.1965. 80 Am329
- 34120 HAMPTON, R. O., AICHELE, M. D., and BLODGETT, E. C. *Prunus effusa* "Krassa Severa" as a prune dwarf virus index host. Phytopathology 56(1):65-69. Ref. Jan.1966. 464.8 P56
- 34121 HAYASHI, T., and MATSUI, C. Electron microscopy of dark green spots on leaves of *Nicotiana glutinosa* induced by tobacco mosaic virus. Phytopathology 56(2):192-196. Feb.1966. 464.8 P56
- 34122 HIRTH, L., and KURTZ, C. Action of urea on turnip yellow mosaic virus. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):764-767. 1965. 442.9 P21
- 34123 HITCHBORN, J. H., and HILLS, G. J. The use of negative staining in the electron microscopic examination of plant viruses in crude extracts. Virology 27(4):528-540. Ref. Dec. 1965. 448.8 V81
- 34124 HOLLINGS, M., and STONE, O. M. Investigation of carnation viruses. II. Carnation ring-spot. Ann. Appl. Biol. 56(1):73-86. Ref. Aug. 1965. 442.8 An72
- 34125 HOLLINGS, M., and NARIANI, T. K. Some properties of clover yellow vein, a virus from *Trifolium repens* L. Ann. Appl. Biol. 56(1):99-109. Ref. Aug.1965. 442.8 An72
- 34126 HOLLINGS, M., and STONE, O. M. Studies of Pelargonium leaf curl virus. II. Relationships to tomato bushy stunt and other viruses. Ann. Appl. Biol. 56(1):87-98. Ref. Aug.1965. 442.8 An72
- 34127 JANSON, B. F., and DEEMA, N. H. Sweet corn susceptibility to maize dwarf mosaic. Plant Dis. Rep. 49(6):478-479. June 15,1965. 1.9 P69P
- 34128 KRISTENSEN, R. Heavy virus Y attack cuts potato yields in half. (Da) Landbonyt 19(8):278-288,291. Aug.1965. 11 L2322
- 34129 KUHN, C. W., BRANTLEY, B. B., and SO-WELL, G. Immunity to bean yellow mosaic virus in cowpea [*Vigna sinensis*]. Plant Dis. Rep. 49(10):879-881. Oct.1965. 1.9 P69P
- 34130 LACKEY, C. F. Pokeweed [*Phytolacca americana*] crinkle leaf, caused by a virus transmitted by dodder [*Cuscuta californica*] from desert shrubs in southern California. Plant Dis. Rep. 49(12):1002-1005. Dec.1965. 1.9 P69P
- 34131 LAIRD, E. F., and DICKSON, R. C. Certain biological properties of a virus from *Ranunculus asiaticus*. Plant Dis. Rep. 49(5):449. May 15,1965. 1.9 P69P
- 34132 LAURENCOT, H. J. Changes during aging of RNA nucleotides in tissue cultures of *Rumex acetosa* L. root tumors originally induced by wound-tumor-virus black. Diss. Abs. 26(7):3616. Jan.1966. 241.8 M58
- 34133 LEBEURIER, G., and HIRTH, L. Comparative properties of two strains of tobacco mosaic virus differing in thermosensitivity. (Fr) Soc. Chim. Biol. Bull. 47(8/9):1653-1665. Ref. 1965. 383 So1
English summary.
- 34134 LUEPSCHEN, N. S. The occurrence of pear bark measles in Colorado Bartlett orchards. Plant Dis. Rep. 49(5):392. May 15,1965. 1.9 P69P
- 34135 MAY, D. S. Linear analysis of the ribonucleic acid of tobacco mosaic virus. Diss. Abs. 26(7):3616. Jan.1966. 241.8 M58
- 34136 MCCRUM, R. C. Spread of apple chlorotic leaf spot virus from tree to tree. Plant Dis. Rep. 49(12):958-959. Dec.1965. 1.9 P69P
- 34137 MCCRUM, R. C., and RICH, A. E. Transmission studies with selective apple virus indicators. Plant Dis. Rep. 50(1):40-44. Ref. Jan. 1966. 1.9 P69P
- 34138 MILBRATH, J. A. Severe fruit necrosis of sour cherry caused by strains of green ring mottle virus. Plant Dis. Rep. 50(1):59-62. Jan.1966. 1.9 P69P
Oregon.
- 34139 MILLER, P. W., and JENSEN, H. J. Non-transmission of certain strawberry viruses by nematodes. Plant Dis. Rep. 49(6):509-511. June 15,1965. 1.9 P69P
- 34140 MURAYAMA, D., and YOKOYAMA, T. Detection of barley stripe mosaic virus in the systemically diseased barley plants. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):156-159. Ref. 1966. 107.6 H682
English summary.
- 34141 MURAYAMA, D., and YOKOYAMA, T. Purification, infectivity and antigenicity of barley stripe mosaic virus. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):184-188. 1966. 107.6 H682
English summary.
- 34142 NAGAICH, B. B. Characterization of atypical mosaic virus from tomato. Indian J. Exp. Biol. 3(3):186-190. July 1965. 442.8 In2
- 34143 NANDI, P., and RAYCHAUDHURI, S. P. Effect of iron on the concentration of potato virus X in tomato. Amer. Potato J. 41,i.e.43(1):6-9. Jan.1966. 75.8 P842
- 34144 NAVRATIL, S. Study of the virus mosaic of poplars. (Cz) Lesnicka Prace 44(1):30-33. Jan.1965. 99.8 L56
- 34145 NELSON, M. R., MATEJKA, J. C., and McDONALD, H. H. Systemic infection of water-melon by a strain of squash mosaic virus. Phytopathology 55(12):1362-1364. Dec.1965. 464.8 P56
- 34146 ORELLANA, R. G. A new occurrence of tobacco ring spot of guar in the United States. Plant Dis. Rep. 50(1):7-10. Jan.1966. 1.9 P69P
- 34147 OSTAZESKI, S. A. The natural occurrence of tobacco ringspot virus in birdsfoot trefoil (*Lotus corniculatus*). Plant Dis. Rep. 49(10):855-856. Oct.1965. 1.9 P69P
- 34148 PHATAK, H. C. Mosaic disease of *Amaranthus*—a new record for India. Cur. Sci. 34(22):645-646. Nov.20,1965. 475 Sci23
- 34149 PINE, T. S. Further observations on mule's ear disease of peach. Plant Dis. Rep. 50(1):64-65. Jan.1966. 1.9 P69P
California and Colorado.
- 34150 PIRONE, T. P., and ANZALONE, L. Sugar cane mosaic virus purified, photographed. La. Agr. 9(2):7. Winter 1965/66. 100 L939
- 34151 PRUSA, V., PIRKL, J., and BOHMOVA, J. Nutritional effects on the hop curl disease and comparison of the chemical composition of diseased and healthy hop plants. Biol. Plant. 7(6):425-436. Ref. 1965. 450 B52
- 34152 RAPPAPORT, I. The antigenic structure of tobacco mosaic virus. Advn. Virus Res. 11:223-275. Ref. 1965. 448.8 Ad9
- 34153 RUBIN, B. A., and ZELENIEVA, I. V. The effect of various strains of tobacco mosaic virus on the content of pigments and the activity of enzymes containing iron in the leaves of *Nicotiana tabacum* L. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:46-50. Ref. Nov./Dec.1964. 442.9 M854
- 34154 SAKURAI, Y., and EZUKA, A. The seedling test method of varietal resistance of rice plant to stripe virus disease. 2. The resistance of various varieties and strains of rice plant by the method of seedling test. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:51-70. Dec. 1964. 107.6 H572H
English summary.
- 34155 SCHNEIDER, I. R. Introduction, translocation, and distribution of viruses in plants. Advn. Virus Res. 11:163-221. Ref. 1965. 448.8 Ad9

- 34156 SCHROEDER, W. T., and others. Temperature differentiation of genotypes for BV2 resistance in *Pisum sativum*. *Phytopathology* 56(1):113-117. Jan.1966. 464.8 P56
R. Provvidenti, D. W. Barton, and W. Mishanec, joint authors.
- 34157 SCHWAMMENHOFEROVA, S. K. Cause of the mosaic disease and problem of resistance and susceptibility to it of the genus *Nicotiana*. (Cz) *Ziva* 13(4):132-134. July 1965. 409.6 Z6
- 34158 SEMANCIK, J. S., and BANCROFT, J. B. Stability differences between the nucleoprotein components of bean pod mottle virus. *Virology* 27(4):476-483. Ref. Dec.1965. 448.8 V81
- 34159 SHEPHERD, R. J., and HOLDEMAN, Q. L. Seed transmission of the Johnson grass strain of the sugarcane mosaic virus in corn. *Plant Dis. Rep.* 49(6):468-469. June 15,1965. 1.9 P69P
- 34160 SIEGEL, A. Artificial production of mutants of tobacco mosaic virus. *Advn. Virus Res.* 11:25-60. Ref. 1965. 448.8 Ad9
- 34161 SILL, W. H. Maize dwarf mosaic virus in Kansas. *Plant Dis. Rep.* 50(1):11. Jan.1966. 1.9 P69P
- 34162 SOSNOVA, V. The toxic effect of the cultivation medium of plants infected with tobacco mosaic virus. *Biol. Plant.* 7(6):472-473. 1965. 450 B52
- 34163 STRETCH, A. W. Red ringspot virus of cultivated highbush blueberry. *N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc.* 33:3-4. 1965. 94.35 N46A
- 34164 TAMM, P. A contribution to the mode of transfer of mosaic virus infection to potato seedlings. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 2:256-262. Ref. 1965. 442.9 Ak18
English summary.
- 34165 THOMSON, A. D., and PEDDIE, B. A. Studies on a virus inhibitor from *Chenopodium* leaves. *New Zeal. J. Agr. Res.* 8(4):825-831. Nov. 1965. 23 N4892
Sap from leaves of *Chenopodium amaranticolor* and *C. album* as an inhibitor of infection by tobacco mosaic virus on *Nicotiana glutinosa*.
- 34166 THORNBERRY, H. H., OTTEBACHER, A. G., and THOMPSON, M. R. Gamagrass, *Tripsacum dactyloides*, a new perennial host of maize dwarf mosaic virus. *Plant Dis. Rep.* 50(1):65-68. Ref. Jan.1966. 1.9 P69P
Eastern gamagrass in Illinois.
- 34167 TIITS, A. About viral and nonviral mottlings of raspberry in the Estonian S.S.R. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 1:130-134. Ref. 1965. 442.9 Ak18
English summary.
- 34168 TIITS, A. Some observations on the black currant reversion disease transmitted by grafting. (Rus) *Akad. Nauk. Est. SSR. Izv. Ser. Biol.* 4:267-271. 1964. 442.9 Ak18
English summary.
- 34169 TOLER, R. W., and HEBERT, T. T. Transmission of soil-borne oat mosaic virus increased by artist's airbrush inoculation. *Plant Dis. Rep.* 49(6):553-555. June 15,1965. 1.9 P69P
- 34170 ULLSTRUP, A. J. A virus disease of corn in Indiana. *Ind. Acad. Sci. Proc.* 74:153. 1964, pub.1965. 500 In2
- 34171 WEBB, R. E., and FOSTER, R. E. A strain of the tobacco mosaic virus isolated from muskmelon. *Plant Dis. Rep.* 50(1):49-52. Jan.1966. 1.9 P69P
Arizona.
- 34172 WEERARATNE, V. Antiviral activity of triiodobenzoic acid. *Life Sci.* 4(20):1923-1929. Oct. 1965. 442.8 L62
Tested on tobacco mosaic virus with *Nicotiana glutinosa* as local lesion host.
- 34173 WERNHAM, C. C., and others. Maize dwarf mosaic in Pennsylvania. *Plant Dis. Rep.* 50(1):6-7, map. Jan.1966. 1.9 P69P
D. R. MacKenzie, C. F. Taylor, and A. H. Bauer, joint authors.
- 34174 WERNHAM, C. C., and TAYLOR, C. F. Maize mosaic found in Pennsylvania corn fields. *Sci. Farmer [Penn. Sta.]* 13(2):6-7. Winter 1966. 100 P381S
- 34175 WESSEL-RIEMENS, P. C. The use of proteins and alkaloids in mechanical transmission of Nigerian isolates of cocoa swollen-shoot virus. *Virology* 27(4):566-570. Dec.1965. 448.8 V81
- 34176 WORLEY, J. F. Translocation of southern bean mosaic virus in phloem fibers. *Phytopathology* 55(12):1299-1302. Ref. Dec.1965. 464.8 P56
Phaseolus vulgaris "Pinto."
- 34177 YASSIN, A. M., and NOUR, M. A. Tomato leaf curl diseases in the Sudan and their relation to tobacco leaf curl. *Ann. Appl. Biol.* 56(2):207-217. Ref. Oct.1965. 442.8 An72

Diseases Caused by Nematodes

- 34178 BASSUS, W. The nematode problem in forest protection. (Ge) *Sozialistische Forstwirtschaft.* 15(10):313-314. Oct.1965. 99.8 W143
Control with chloropicrin and methyl bromide.
- 34179 BIRCHFIELD, W. Host-parasite relations and host range studies of a new *Meloidogyne* species in Southern USA. *Phytopathology* 55(12):1359-1361. Dec.1965. 464.8 P56
Meloidogyne and *Echinocloa* colonum; *Avena sativa* and *Phaseolus vulgaris* as hosts.
Includes other grasses and field crops.
- 34180 BIRD, G. W., and JENKINS, W. R. Effect of cranberry bog flooding and low dissolved oxygen concentrations on nematode populations. *Plant Dis. Rep.* 49(6):517-518. Ref. June 15, 1965. 1.9 P69P
- 34181 CALITZ, P. C. The development of *Meloidogyne* giant cells in some *Nicotiana* species. (Af) *S. Afr. J. Agr. Sci.* 8(2):543-556. Ref. June 1965. 24 Su3
English summary.
Meloidogyne javanica and *M. incognita acrita*, caused root knot in tobacco.
- 34182 CHEKALINA, V. I. Chemical preparations in control of nematodes. (Rus) *Khim. Sel'skom Khoz.* 6:26-38. Ref. June 1965. 385 K524
On field crops.
- 34183 COLLINS, D. D. The occurrence of seed-gall nematodes [*Anguina*] in a native population of western wheatgrass (*Agropyron smithii*) in Montana. *Plant Dis. Rep.* 50(1):45. Jan.1966. 1.9 P69P
- 34184 COLLINS, R. J., and FELDMAN, A. W. Attempts to improve the growth of *Radopholus similis*-infected citrus with under-tree drenches of Zinophos [O,O-diethyl O-2-pyrazinyl phosphorothioate]. *Plant Dis. Rep.* 49(10):865-867. Oct.1965. 1.9 P69P
Orange trees.
- 34185 ENNIK, G. C., KORT, J., and BUND, C. F. V. D. The clover nematode (*Heterodera trifolii* Goffart) as the probable cause of death of white clover in a sward. *Brit. Grassland Soc. J.* 20(4):258-262. Dec.1965. 60.19 B773
Includes discussion.
- 34186 EPPS, J. M. Reaction of sugarbeet varieties to the soybean cyst nematode [*Heterodera glycines*]. *Plant Dis. Rep.* 49(9):747. Sept.1965. 1.9 P69P
Tennessee.
- 34187 ESSER, R. P., and COWPERTHWAIT, W. G. The danger of nematodes. *Agr. Chem.* 21(1):16-17. Jan.1966. 381 Ag8
On plants.
- 34188 FERRIS, J. M., and MILLER, M. S. Effect of different crop plants on the population level of *Pratylenchus penetrans* in muck soil. *Ind. Acad. Sci. Proc.* 74:195. 1964, pub.1965. 500 In2
- 34189 FRENCH, A. M. Sugar beet cyst nematode threatens southern San Joaquin Valley. *Calif. Dep. Agr. Bull.* 54(1):8-11. 1965. 2 C12M
Heterodera schachtii.

- 34190 GOSS, O. M. Root knot eelworm [*Meloidogyne*] and its control. West. Australia. Dep. Agr. J. (ser.4)6(9):502-504,507-509,512-514. Sept. 1965. 23 W52J
- 34191 GRAHAM, T. W. Tobacco varieties used to show differential response to root-lesion [*Pratylenchus*] and root-knot [*Meloidogyne incognita*] nematodes. Plant Dis. Rep. 49(10):822-826. Oct.1965. 1.9 P69P
Cause of root knot and root rot.
- 34192 GRANDISON, G. S. Red clover pest, stem eelworm, [*Ditylenchus dipsaci*] discovered in Nelson, Marlborough and Otago. New Zeal. J. Agr. 111(7):65. Dec.1965. 23 N48J
- 34193 GRANDISON, G. S. The stem nematode (*Ditylenchus dipsaci*) in clovers in New Zealand. New Zeal. J. Agr. Res. 8(4):1090-1091. Nov. 1965. 23 N4892
White and red clover.
- 34194 HASHIMOTO, H. Some observations on the damage caused by nematodes in the forestry nurseries. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:153-175. Ref. Mar.1963. 99.9 F95
English summary.
- 34195 HERDE, J. D'. The pea cyst nematode "*Heterodera gottingiana*," a new parasite on peas in Belgium. (Fl) Land- Tuinbouw Jaarboek 20: 427-430. 1965. 15 L22
- 34196 HORNE, C. W. The taxonomic status, morphology and biology of a cyst nematode (Nematoda: Heteroderidae) found attacking *Poa annua* L. Diss. Abs. 26(7):3573. Jan.1966. 241.8 M58
Heterodera punctata.
- 34197 JENKINS, W. R., and MALEK, R. B. Influence of nematodes on absorption and accumulation of nutrients in vetch. Soil Sci. 101(1):46-49. Jan.1966. 56.8 So3
- 34198 KOEN, H. How potato-peel nematode [*Pratylenchus brachyurus*] spreads. Farming S. Afr. 41(8):31,40. Nov.1965. 24 So842
- 34199 KOEN, H. Potatoes and nematodes. Farming S. Afr. 41(7):13. Oct.1965. 24 So842
- 34200 KRALL, E. Parasitic plant nematodes as carriers of virus disease of plants and their spread in the USSR. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 1:28-35. Ref. 1965. 442.9 Ak18
German summary.
- 34201 LEAR, B., and others. Yield response of Brussels sprouts associated with control of sugarbeet nematode [*Heterodera schachtii*] and cabbage root nematode [*Heterodera cruciferae*] in combination with the club root organism, *Plasmodiophora brassicae*. Plant Dis. Rep. 50(2):133-135. Feb.1966. 1.9 P69P
D. E. Johnson, S. T. Miyagawa, and R. H. Sciaroni, joint authors.
California.
- 34202 MADAMBA, C. P., SASSER, J. N., and NELSON, L. A. Some characteristics of the effects of *Meloidogyne* spp. on unsuitable host crops. N. C. Agr. Exp. Sta. Tech. Bull. 169,34 p. Ref. Sept.1965. 100 N81
Effect on growth of plants unsuitable to full development of nematodes; tests with field crops and vegetables.
- 34203 MILLER, P. M., and STODDARD, E. M. Toxicity of water extracts of *Amanita muscaria* to *Aphelenchoides ritzema-bosi*. Plant Dis. Rep. 49(12):1017. Dec.1965. 1.9 P69P
Removed from infested *Chrysanthemum*.
- 34204 MINTON, N. A. Reaction of white clover and five other crops to *Pratylenchus scribneri*. Plant Dis. Rep. 49(10):856-859. Oct.1965. 1.9 P69P
Forage plants.
- 34205 NATOUR, R. M., EL-HAIDERI, H., and MOHAMMED, J. Citrus-root nematode [*Tylenchulus semipenetrans*] in Iraq in 1965. Plant Dis. Rep. 49(9):792. Sept.1965. 1.9 P69P
- 34206 NICKLE, W. R., and GOLDEN, A. M. *Ditylenchus dipsaci* injury to *Penstemon digitalis*. Plant Dis. Rep. 49(12):991-993. Dec.1965. 1.9 P69P
- 34207 PETROVA, Z. I. Onion nematods [*Ditylenchus allii*]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:365-367. 1965. 20 M857
Includes treatment of seeds by hot water and barium sulfate.
- 34208 POWELL, W. M., POKORNY, F. A. Greenhouse studies on the control of root-knot nematodes [*Meloidogyne incognita incognita*] on *Hydrocotyle sibthorpioides*. Plant Dis. Rep. 49(10):861-864. Oct.1965. 1.9 P69P
DBCP nematocide used.
- 34209 RAJNIS, L. The wheat nematode [*Tylenchus tritici*] and its damages. (Hu) Magyar Mezőgazdaság 20(46):14-15. Nov.17,1965. 19 M27
- 34210 RASKI, D. J., HART, W. H., and KASIMATIS, A. N. Modern viticulture: how to control nematodes. World Farming 7(6):42-48,50. (Cont.) June 1965. 30.08 W89
- 34211 RIFFLE, J. W., and LUCHT, D. D. Root-knot nematode [*Meloidogyne*] on ponderosa pine [*Pinus ponderosa scopulorum*] in New Mexico. Plant Dis. Rep. 50(2):126. Feb.1966. 1.9 P69P
- 34212 RIGGS, R. D., and HAMBLIN, M. L. Additional weed hosts of *Heterodera glycines*. Plant Dis. Rep. 50(1):15-16. Jan.1966. 1.9 P69P
Soybean cyst nematode.
- 34213 RUEHLE, J. L. Plant-parasitic nematodes and their significance in forest nursery production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:92-98. A99.9 F7693P
Includes discussion.
- 34214 SCHLEHUBER, A. M., PASS, H., and YOUNG, H. C. Wheat grain losses caused by nematodes [*Tylenchorhynchus brevidens*]. Plant Dis. Rep. 49(10):806-809. Oct.1965. 1.9 P69P
- 34215 SHER, S. A., and BELL, A. H. Drench treatment of roses in containers for root-lesion nematode [*Pratylenchus vulnus*] disease. Plant Dis. Rep. 49(12):982-985. Dec.1965. 1.9 P69P
DBCP nematocide used, chiefly.
- 34216 SHER, S. A., and BELL, A. H. The effect of soil type and soil temperature on root-lesion nematode [*Pratylenchus vulnus*] disease of roses. Plant Dis. Rep. 49(10):849-851. Oct. 1965. 1.9 P69P
California.
- 34217 STELTER, H., and ROTHACKER, D. Some observations on the nematode resistance of the species *S. [olanum] multidissectum* Hawk., *S. kurtzianum* Bitt. et. Wittm., and *S. juzupeczukii* Buk. (Ge) Züchter 35(4):180-186. Ref. 1965. 442.8 Z8
- 34218 STRYDOM, E. Does *Eragrostis [curvula]* control eelworm [*Meloidogyne*] in vegetables? Farming S. Afr. 41(8):69,71-72. Nov.1965. 24 So842
Field crop rotation with pasture.
- 34219 SWARUP, G., and SHARMA, R. D. Root-knot of vegetables. IV. Relation between population density of *Meloidogyne javanica* and *Meloidogyne incognita* var. *acrita*, and root and shoot growth of tomato seedlings. Indian J. Exp. Biol. 3(3):197-198. July 1965. 442.8 In2
- 34220 THOMAS, P. R. Methyl bromide fumigation of narcissus bulbs infested with *Ditylenchus dipsaci* (Kuhn) Filipjev. Hort. Res. 5(2):76-80. Nov.1965. 80 H7892
- 34221 UNNY, K. L., and JERATH, M. L. Parasitic nematodes on *Dioscorea* spp. in eastern Nigeria. Plant Dis. Rep. 49(10):875-876. Oct.1965. 1.9 P69P
- 34222 WEINGARTNER, H. Inclusion of improvement crops in the course of partial rotations. (Ge) Lebendige Erde 4:171-173. July/Aug.1965. 18 L49
For nematode control.

ECOLOGY

- 34223 ALGHISI, P., and others. Indagini biocenotiche su un pascolo degradato del comelico superiore come premessa per opere di miglìoria [Bioecological observations on a degraded pasture of the upper Comelico as basis for improvement operations]. Padua. Univ. Cent. Econ. Montana Venezie. Ann. 3,276 p. 1963, pub. 1964. 281.9 P13
G. Ferrari, G. Luchetti, L. Susmel, and S. Zangheri, joint authors.
English summaries.
Chapters on climate, soils, soil biology, and flora and vegetation.
- 34224 ARORA, R. K. Ecological notes on the vegetation of Coorg District, Western Ghats. Indian Forest. 91(10):722-742, map. Ref. Oct. 1965. 99.8 In2
For three forest types.
- 34225 BALDWIN, H. I. The New Hampshire ecosystem. Forest Notes 87:6-8. Fall 1965. 99.8 F7691
Plant ecology and changes in balance of nature.
- 34226 BENTON, A. H., and WERNER, W. E. Field biology and ecology. Ed. 2. New York, McGraw-Hill, 1966. 499 p. QH307.B4
Chiefly plant ecology; includes insects.
Bibliography, p. 425-443, and at end of chapters.
- 34227 BERGER-LANDEFELDT, U. Radiation measurements over the plant cover. UN Educ. Sci. Cult. Organ. Arid Zone Res. 25:47-53. Ref. 1965. 278.9 Un3
- 34228 BRANSON, F. A., MILLER, R. F., and MCQUEEN, I. S. Effects of two kinds of geologic materials on plant communities and soil moisture. Amer. Soc. Agron. ASA. Spec. Publ. 5: 165-175. Ref. Oct. 1964. 64.9 Am3
Stony soil and shale-derived soil, in Colorado.
- 34229 BROWN, J. M. B. Forest ecology. Great Brit. Forest. Comm. Rep. Forest Res. 1964:47. 1965. 99.9 G795Re
- 34230 CHATER, E. H. Ecological aspects of the dwarf brown form of *Spartina* in the Dovey estuary. J. Ecol. 53(3):789-797. Nov. 1965. 450 J829
- 34231 CHOLNOKY, B. J. The ecology of diatoms from the Goedeverywachting Pond and Lake Chrissie in East Transvaal. (Ge) Arch. Hydrobiol. 61(1):63-85. Ref. Feb. 1965. 410 Ar28
English summary.
- 34232 COLLINS, D. D. Ecological, biosystematic and biochemical studies of species in the genus *Agropyron* Gaertn. native to Montana. Diss. Abs. 26(7):3592. Jan. 1966. 241.8 M58
- 34233 COOK, S. A. Population regulation of *Eschscholzia californica* by competition and edaphic conditions. J. Ecol. 53(3):759-769. Ref. Nov. 1965. 450 J829
- 34234 CSUROS-KAPTALAN, M. Study of the marshes near Vilcele. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):31-35. 1965. 442.9 C62
Russian and French summary.
Ecology of vegetation.
- 34235 DAUBENMIRE, R. Vegetation: identification of typical communities. Science 151(3708):291-298, map. Ref. Jan. 21, 1966. 470 Sci2
- 34236 DUTHIE, H. C. Some observations on the ecology of desmids. J. Ecol. 53(3):695-703. Ref. Nov. 1965. 450 J829
- 34237 FOERSTER, J. W., and SCHLICHTING, H. E. Phyco-periphyton in an oligotrophic lake. Amer. Microscop. Soc. Trans. 84(4):485-502, map. Ref. Oct. 1965. 440.9 Am33
Ecology in Lake Opeongo, Canada.
- 34238 FOSBERG, M. A., and HIRONAKA, M. Soil properties affecting the distribution of big [*Artemisia tridentata*] and low [*A. arbuscula*] sagebrush communities in southern Idaho. Amer. Soc. Agron. ASA. Spec. Publ. 5:230-236. Oct. 1964. 64.9 Am3
- 34239 FREY, T. On some problems of phytocoenological sampling. Detailed study of Estonian spruce forests. 2. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 2:208-219. Ref. 1965. 442.9 Ak18
English summary.
- 34240 FREY, T. On the phytocoenological value of a species. Detailed study of Estonian spruce forests. Akad. Nauk Est. SSR. Izv. Ser. Biol. 1: 83-97. Ref. 1965. 442.9 Ak18
- 34241 GOOD, R. E. Salt marsh vegetation, Cape May, New Jersey. Diss. Abs. 26(7):3602. Jan. 1966. 241.8 M58
- 34242 HAMET-AHTI, L. Notes on the vegetation zones of western Canada, with special reference to the forests of Wells Gray Park, British Columbia. Ann. Bot. Fenn. 2(3):274-300, map. Ref. 1965. 450 An79
- 34243 HANSON, H. C., and WHITMAN, W. C. Grassland resources. In Smith, G. H., ed. Conservation of natural resources, ed. 3, p. 145-168. Ref. 1965. HC103.7.S56
Ecology and management.
- 34244 HARPER, S. E., and GHIFFORD, C. E. A twice taken qualitative and quantitative sampling of phytoplankton in four areas of Dewart Lake, Indiana. Ind. Acad. Sci. Proc. 74:315-318. 1964, pub. 1965. 500 In2
Chiefly ecological.
- 34245 HARRIS, G. A. Some competitive relationships between seedlings of bluebunch wheatgrass (*Agropyron spicatum* (Pursh) Scribn. and Smith), and cheatgrass (*Bromus tectorum* L.). Diss. Abs. 26(6):2996-2997. Dec. 1965. 241.8 M58
- 34246 HASLAM, S. M. Ecological studies in the Breck Fens. I. Vegetation in relation to habitat. J. Ecol. 53(3):599-619, map. Ref. Nov. 1965. 450 J829
Includes meadows, pastures, and fens.
- 34247 HODISAN, I. Calcicolous plants of Cheile Fenesului in Alba district, region Hunedoara. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):9-22. Ref. 1965. 442.9 C62
Russian and French summary.
Ecology.
- 34248 HUBBARD, J. C. E. *Spartina* marches in Southern England. VI. Pattern of invasion in poole harbour. J. Ecol. 53(3):799-813, map. Ref. Nov. 1965. 450 J829
- 34249 JOHNSON, W. B. Atmospheric boundary-layer dynamics over the forests of northeastern Wisconsin. Diss. Abs. 26(7):4016. Jan. 1966. 241.8 M58
Wind.
- 34250 JONES, P. H. Studies of the ecology of the filamentous sewage fungus *Geotrichum candidum*. Diss. Abs. 26(6):3229-3230. Dec. 1965. 241.8 M58
- 34251 JUHASZ-NAGY, P. Investigations on the Bulgarian vegetation; some hygrophilous plant communities. I-III. Debrecen. Tudegyetem. Acta (ser. 2):47-70. Ref. 1963, pub. 1964. 510 D35
- 34252 JUHASZ-NAGY, P. Some theoretical models of cenological fidelity. I. Acta Biol. Debrecina 3(2):33-43. Ref. 1964, pub. 1965. 510 D35
In relation to plants.
- 34253 KASSAS, M., and GIRGIS, W. A. Habitat and plant communities in the Egyptian Desert. VI. The units of a desert ecosystem. J. Ecol. 53(3):715-728. Nov. 1965. 450 J829

- 34254 KLEMMEDSON, J. O. Topofunction of soils and vegetation in a range landscape. Amer. Soc. Agron. ASA. Spec. Publ. 5:176-189. Oct. 1964. 64.9 Am3
In Idaho.
- 34255 LANDRY, P. The survival grade of *Juncus* and other plants on the shores of the Saint John Lake. (Fr) Natur. Can. 92(3/5):121-133, map. Mar./May 1965. 410 N216
- 34256 LINDSEY, A. A., CRANKSHAW, W. B., and QADIR, S. A. Soil relations and distribution map of the vegetation of presettlement Indiana. Bot. Gaz. 126(3):155-163, map. Ref. Sept. 1965. 450 B652
- 34257 LINHARD, H. Die natuerliche Vegetation im Mundungsgebiet der Isar und ihre Standortverhaeltnisse [The natural vegetation in the region of the mouth of the Isar and its site relations]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss.] 16,56 p., map. Ref. 1963/64. 509 M923
Reprint from Naturwissenschaftlicher Verein, Landshut. Bericht, 24th.
- 34258 LUKACSOVICS, E., and JUHASZ-NAGY, P. The effect of race differences on the allelopathic interrelationships. (Hu) Debrecen. Tudegytem. Acta (ser2.) 2:77-84. Ref. 1964. 510 D35
English summary.
Studied on plants by means of variance analysis.
- 34259 MACKIE, R. J. Range ecology and relations of mule deer, elk, and cattle in the Missouri River Breaks, Montana. Diss. Abs. 26(7):3567. Jan. 1966. 241.8 M58
- 34260 MASING, V. Study of vegetation patterns and complexes. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 1:98-111. Ref. 1965. 442.9 Ak18
English summary.
Ecology.
- 34261 MATSUMURA, Y. An investigation of plants produced in regions of nutritive inhibition. IV. Development conditions of the plant environment. (Ja) Amatores Herb. 26(3):11-18, map. Nov. 10, 1965. 450 Am12
Plant ecology.
- 34262 MAYO MELENDEZ, E. Ecological characteristics of the forests of Darien, Panama, subject to flooding, with a view to their possible utilization. (Sp) Turrialba 15(4):336-347, map. Oct./Dec. 1965. 8 T86
English summary.
- 34263 MCCARTHY, A. J. An ecological study of the phytoplankton of Raritan Bay. Diss. Abs. 26(7):3604. Jan. 1966. 241.8 M58
- 34264 MCNAUGHTON, S. J. Ecotypic patterns in *Typha* and their significance in ecosystem integration. Diss. Abs. 26(6):3000. Dec. 1965. 241.8 M58
- 34265 MOLINIER, R., and others. Etudes phytosociologiques et ecologiques en Camargue et sur le Plan du Bourg. [Phytosociological and ecological studies in Camargue and Plan du Bourg]. Gap, 1964. 100 p., map. Ref. (Aix-Marseille. Universite. Faculte des Sciences. Annales, v.36) 459.5 M73E
J. Viano, C. Leforestier, and J. P. Devaux, joint authors.
Includes study of moisture and chlorine content of dunes.
- 34266 MOLINIER, R., and TALLON, G. Camargue the land of dunes. (Fr) Terre Vie 19(1/2):3-134, map. Ref. Jan./June 1965. 410.9 P21
Includes vegetation.
- 34267 MORIYA, T. The secondary forest in Chichibu. (Ja) J. Geobot. 13(3):94-96. Feb. 1965. 450 H68
English summary.
Ecology of *Quercus serrata* forest.
- 34268 MULLINS, J. T., and BARKSDALE, A. W. Parasitism of the chytrid *Dictyomorpha dioica*. Mycologia 57(3):352-359. Ref. May/June 1965. 450 M99
Physiological study of parasitism on Saprolegniales.
- 34269 NEUHAUSLOVA-NOVOTNA, Z. Forest communities in the environs of Krupina (SSE Slovakia). Biol. Prace 11(5):27-50. Ref. 1965. 442.9 SL52
- 34270 PEARSON, L. C., and LAWRENCE, D. B. Lichens as microclimate indicators in northwestern Minnesota. Amer. Midland Natur. 74(2):257-268. Oct. 1965. 410 M58
- 34271 PERRY, R. Forest analysis of a Mesic ravine, Parke County, Indiana. Ind. Acad. Sci. Proc. 74:308-313. 1964, pub. 1965. 500 In2
Ecology.
- 34272 PHILIPP, C. C., and BROWN, R. G. Ecological studies of transition-zone vascular plants in South River, Maryland. Chesapeake Sci. 6(2):73-81, map. Ref. June 1965. 409.6 C42
- 34273 PIYAKARNCHANA, T. The plankton community in the southern part of Kaneohe Bay, Oahu, with the special emphasis on the distribution, breeding season and population fluctuation of *Sagitta enflata* Grassi. Diss. Abs. 26(7):4133. Jan. 1966. 241.8 M58
- 34274 RAMAKRISHNAN, P. S. Studies on edaphic ecotypes in *Euphorbia thymifolia* L. II. Growth performance, mineral uptake and inter-ecotypic competition. J. Ecol. 53(3):705-714. Ref. Nov. 1965. 450 J829
Includes soil types.
- 34275 REICHLE, D. E., and DOYLE, W. T. Bryophyte succession in a northern Illinois bog. Bryologist 68(4):463-470. Ref. Winter 1965. 450 B84
Musci.
- 34276 RICHARD, G. L., and DAVIS, G. V. Selected plant and soil relationships in the central high plains. Amer. Soc. Agron. ASA. Spec. Publ. 5:222-229. Oct. 1964. 64.9 Am3
In Wyoming.
Includes discussion.
- 34277 ROJAS M., P. Aspects of the native vegetation of Nuevo Leon. (Sp) Agronomia [Monterrey] 102:2-7, map. Sept. 1965. 8 Ag828
- 34278 SLAVIKOVA, J. The maximal suction force of roots as an ecological factor. (Ge) Preslia 37(4):419-428. Ref. 1965. 450 P92
Fraxinus excelsior.
- 34279 SMITH, B. E. Spatial relationships of mesic forest herbs in southern Wisconsin. Diss. Abs. 26(7):3606. Jan. 1966. 241.8 M58
- 34280 SMITH, D. R., and JOHNSON, W. M. Vegetation characteristics on a high altitude sheep range in Wyoming. Wyo. Agr. Exp. Sta. Bull. 430, 14 p. June 1965. 100 W99
- 34281 TANIGUCHI, M. Marine algal communities along the coasts of Higashihazu, Aichi Prefecture. (Ja) Amatores Herb. 26(3):9-10. Nov. 10, 1965. 450 Am12
English summary.
- 34282 TANIGUCHI, M. Marine algal community of Noto Peninsula. (Ja) J. Geobot. 13(3):85-86. Feb. 1965. 450 H68
English summary.
- 34283 TOHYAMA, M. Forest vegetation of Mt. Fuji. III. Forest vegetation on the lava flows of Mt. Fuji. Hokkaido Univ. Fac. Agr. Mem. 5(3):127-137, map. 1966. 107.6 H682
English summary.
- 34284 TOMANEK, G. W. Some soil-vegetation relationships in western Kansas. Amer. Soc. Agron. ASA. Spec. Publ. 5:158-164. Oct. 1964. 64.9 Am3

- 34285 TOYAMA, M. Forest vegetation of Mt. Fuji. I. Cool temperate montane forest of Mt. Fuji. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):111-124. Ref. 1966. 107.6 H682
English summary.
- 34286 TRAETS, J. Meadow plants as indicators. (Fl) Land- Tuinbouw Jaarboek 20:29-31. 1965. 13 L22
- 34287 VAN RYSWYK, A. L., MCLEAN, A., and MARCHAND, L. S. The climate, native vegetation, and soils of some grasslands at different elevations in British Columbia. Can. J. Plant Sci. 46(1):35-50, map. Ref. Jan. 1966. 450 C16
- 34288 VASARI, Y. Studies on the vegetational history of the Kuusamo district (north east Finland) during the late-quaternary period. IV. The age and origin of some present-day vegetation types. Ann. Bot. Fenn. 2(3):248-273. Ref. 1965. 450 An79
Includes forests and fens.
- 34289 VINCZEFFY, I. Changes in sward types as influenced by chemical fertilizer applications. Acta Agron. [Budapest] 15(3/4):289-300. Ref. 1965. 19 Ac8
Varietal composition of grasses.
- 34290 WENZEL, H. The natural forest associations of Lichtenstein. (Ge) Schweiz. Z. f. Forstw. 116(8):666-677. Aug. 1965. 99.8 J82
- 34291 WOHLRAB, G., and TUVESON, R. W. Distribution of fungi in early stages of succession in Indiana dune sand. Amer. J. Bot. 52(10):1050-1058. Ref. Nov./Dec. 1965. 450 Am36

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 34292 ABRAHAM, A., NINAN, C. A., and GOPINATH, P. Cytology of development of abnormal endosperm in Philippine makapuno coconuts. Caryologia 18(3):395-408. Ref. July/Sept. 1965. 442.8 C25
- 34293 ABRAHAM, A., and NINAN, C. A. Morphological and cytological notes on *Psilotum nudum* (L.) Beauv. Caryologia 18(3):537-539. July/Sept. 1965. 442.8 C25
- 34294 ALLDERDICE, P. W. Morphological and cytogenetic investigations in the genus *Agropyron* Gaertn. Diss. Abs. 26(7):3591. Jan. 1966. 241.8 M58
- 34295 AMATO, F. D., and AVANZI, S. DNA content, DNA synthesis and mitosis in the root apical cell of *Marsilea strigosa*. Caryologia 18(3):383-394. Ref. July/Sept. 1965. 442.8 C25
- 34296 BAJER, A., and ALLEN, R. D. Structure and organization of the living mitotic spindle of *Haemanthus endosperm*. Science 151(3710):572-574. Ref. Feb. 4, 1966. 470 Sci2
- 34297 BALL, E., and JOSHI, P. C. Observations on individual callus cells of *Nicotiana tabacum* in liquid culture. Bot. Gaz. 126(4):233-246. Ref. Dec. 1965. 450 B652
- 34298 BARTON, R. Electron microscope studies on surface activity in cells of *Chara vulgaris*. Planta 66(2):95-105. Ref. 1965. 450 P693
- 34299 BEHNKE, H. D. On the ultrastructure of the lattice-like constructed plasma inclusions in the sieve elements of *Dioscorea reticulata*. (Ge) Planta 66(2):106-112. Ref. 1965. 450 P693
English summary.
Electron microscope studies.
- 34300 BIDDLE, D. Vector analysis of the expanding lamina of *Xanthium pensylvanicum* Wallr. Diss. Abs. 26(7):3601. Jan. 1966. 241.8 M58
- 34301 BISALPUTRA, T. The origin of the pectic layer of the cell wall of *Scenedesmus quadricauda*. Can. J. Bot. 43(12):1549-1552. Ref. Dec. 1965. 470 C16C
- 34302 BOUCK, G. B. Fine structure and organelle associations in brown algae. J. Cell Biol. 26(2):523-537. Ref. Aug. 1965. 442.8 J828
Fucus vesiculosus, *Chorda filum*, and *Giffordia* sp.
- 34303 BRADLEY, M. V., and CRANE, J. Supernumerary ovule development and parthenocarpy in *Ficus carica* L., var. King. Phytomorphology 15(1):85-92. Ref. Mar. 1965. 450 P566
- 34304 BRANDHAM, P. E. The occurrence of parthenospores and other haploid resistant spores in desmids. Amer. Microscop. Soc. Trans. 84(4):478-484. Ref. Oct. 1965. 440.9 Am33
- 34305 BUBAN, T. Histological examination of the fruit bud differentiation of winter-apple varieties. (Hu) Kiserletugyi Kozlemenyei 58/C(1):57-73. Ref. 1965. 105.9 H89
English summary.
- 34306 BUCKNALL, R. A., and SUTCLIFFE, J. F. The nucleic acids and cellular differentiation in the root apex of *Pisum sativum*. J. Expt. Bot. 16(49):587-603. Ref. Nov. 1965. 450 J8224
Cytology.
- 34307 CHAUDHARY, S. A. Chromosome studies in *Erigeron* (Compositae). Diss. Abs. 26(6):2994-2995. Dec. 1965. 241.8 M58
- 34308 CHIANG, K. S. Meiotic DNA replication mechanism in *Chlamydomonas reinhardtii*. Diss. Abs. 26(7):3611. Jan. 1966. 241.8 M58
- 34309 CHILDERS, W. R. Branched raceme in alfalfa. Can. J. Plant Sci. 46(1):99. Jan. 1966. 450 C16
- 34310 CHUNG, K. L., HAWIRKO, R. Z., and ISAAC, P. K. Cell wall replication in *Saccharomyces cerevisiae*. Canad. J. Microbiol. 11(6):953-957. Ref. Dec. 1965. 448.8 C162
- 34311 CLOWES, F. A. L. The duration of the G₁ phase of the mitotic cycle and its relation to radiosensitivity. New Phytol. 64(3):355-359. Ref. Oct. 1965. 450 N42
Corn.
- 34312 CLOWES, F. A. L. Synchronization in a meristem by 5-amino-uracil. J. Expt. Bot. 16(49):581-586. Nov. 1965. 450 J8224
Mitosis in *Zea mays*.
- 34313 COPP, L. G. L. Purple grain in hexaploid wheat. Wheat Inform. Serv. 19/20:18. Mar. 1965. 463.69 W56
- 34314 CROFT, J. H., and SIMCHEN, G. Natural variation among monokaryons of *Collybia velutipes*. Amer. Natur. 99(909):451-462. Ref. Nov./Dec. 1965. 470 Am36
- 34315 CUNNINGHAM, W. P., and CRANE, F. L. Identification of isolated cellular membranes by electron microscopy. Plant Physiol. 40(6):1041-1044. Nov. 1965. 450 P692
Cauliflower.
- 34316 DIACUMAKOS, E. G., GARNJOBST, L., and TATUM, E. L. A cytoplasmic character in *Neurospora crassa*; the role of nuclei and mitochondria. J. Cell Biol. 26(2):427-443. Ref. Aug. 1965. 442.8 J828
- 34317 DIERS, L. Electron microscopic observations on the development of the archegonium of the liverwort *Sphaerocarpus donnellii* Aust.; the development of the young archegonium up to the maturity stage of the secondary central cell. (Ge) Planta 66(2):165-190. Ref. 1965. 450 P693
English summary.
- 34318 DOROSHENKO, P. I. Changes of forms of the white sweetclover caused by injection of foreign sap; preliminary report. (Rus) Agrobiologiya 4:621-623. Aug. 1965. 20 Ag822
Red clover sap.
- 34319 EDELMAN, M., SCHIFF, J. A., and EPSTEIN, H. T. Studies of chloroplast development in *Euglena* [*gracilis bacillaris*]. XII. Two types of satellite DNA. J. Mol. Biol. 11(4):769-774. Ref. Apr. 1965. 442.8 J8224

- 34320 EVANS, G. N. A model study of radial root growth in a granular soil. Diss. Abs. 26(6): 2943. Dec.1965. 241.8 M58
- 34321 EVERT, R. F., and ALFIERI, F. J. Ontogeny and structure of coniferous sieve cells. Amer. J. Bot. 52(10):1058-1066. Ref. Nov./Dec.1965. 450 Am36
- 34322 FERNANDES, A. M. S. S. Studies on plant cuticle. VIII-IX. Ann. Appl. Biol. 56(2):297-313. Ref. Oct.1965. 442.8 An72
VIII, Surface waxes in relation to water-repellency; IX, The permeability of isolated cuticular membranes.
- 34323 FRAPPELL, B. D. Fasciated peas. Tasmanian J. Agr. 36(4):237-238. Nov.1965. 23 T182T
- 34324 FREY-WYSSLING, A., and SCHWEGLER, F. Ultrastructure of the chromoplasts in the carrot root. J. Ultrastruct. Res. 13(5/6):543-559. Ref. Dec.1965. 440.8 J822
- 34325 FUJIMOTO, Y. On the ligule portion of Gramineae. 1-2. (Ja) J. Geobot. 13(3):78-81; (4):110-115. Feb.-Mar.1965. 450 H68
English summary.
- 34326 FULLER, M. S., and REICHLE, R. The zoospore and early development of Rhizidiomyces apophysatus. Mycologia 57(6):946-961. Ref. 450 M99
- 34327 GALGOCZI, J. Further examination of two-seededness in sweet clover pods. (Hu) Kiserletugyi Kozlemenyek 57/A(3):103-114. 1964, pub.1965. 105.9 H89
English summary.
- 34328 GANTT, E., and CONTI, S. F. The ultrastructure of Porphyridium cruentum. J. Cell Biol. 26(2):365-381. Ref. Aug.1965. 442.8 J828
- 34329 GARNJOBST, L., WILSON, J. F., and TATUM, E. L. Studies on a cytoplasmic character in Neurospora crassa. J. Cell Biol. 26(2):413-425. Ref. Aug.1965. 442.8 J828
- 34330 GIBOR, A. Surviving cytoplasts in vitro. Nat. Acad. Sci. Proc. 54(6):1527-1531. Dec.1965. 500 N21P
Acetabularia studied.
- 34331 GIMENEZ-MARTIN, G., and LOPEZ-SAEZ, J. F. Chromosome structure in the course of mitosis. Cytologia 30(1):14-22. Ref. Mar. 1965. 442.8 C99
Scilla non-scripta studied.
- 34332 GRANT, C. J. Chromosome aberrations and the mitotic cycle in Trillium root tips after X-irradiation. Mutation Res. 2(3):247-262. Ref. June 1965. 443.8 M98
- 34333 GRANT, W. F. A chromosome atlas and interspecific hybridization index for the genus Lotus (Leguminosae). Can. J. Genet. Cytol. 7(3):457-471. Ref. Sept.1965. 443.8 C16
- 34334 GRILLI, M. Internal structure of Anabaena azollae living on the leaves of Azolla caroliniana. (It) Ann. Microbiol. Enzimol. 14 (1/3):69-90. Ref. 1964. 448.3 An73
- 34335 GRILLI, M. Origin and development of the chromoplasts in the pumpkin ("Cucurbita pepo" L., cv. Small Sugar). I-II. (It) Caryologia 18 (3):409-459. Ref. July/Sept.1965. 442.8 C25
English summary.
I, Origin of chromoplasts from amyloplasts; II, The development of chromoplasts from chloroplasts and proplastids.
- 34336 HAJDUK, J. A contribution to the morphology and ecology of roots of the pine (Abies alba Mill.). (Cz) Biol. Prace 11(9):5-26. Ref. 1965. 442.9 SL52
- 34337 HALLER, J. R. The role of 2-needle fascicles in the adaptation and evolution of ponderosa pine. Brittonia 17(4):354-383, map. Ref. Oct.1965. 450 B77
- 34338 HELEBRANT, L. Problem of lacinated leaves of Sambucus nigra and Sambucus racemosa. (Cz) Ziva 13(5):165-166. Sept.1965. 409.6 Z6
- 34339 HILLSON, C. J., and DUNKLE, A. R. The effect of ionizing radiation on the floral vascularization of Coleus blumei Benth. Radiat. Bot. 5(6):501-505. Dec.1965. 450 R11
- 34340 HIRE, C. S. Spores, ferns; microscopic illusions analyzed. Supplement. Millburn, N. J., Mistaire Lab., 1965. 16 p. QK521.H5
- 34341 HIRE, C. S. Spores, ferns; microscopic illusions analyzed. Volume I. Millburn, N. J., Mistaire Lab., 1965. 548 p. Ref. QK521.H5
- 34342 HOFER, K. Progress in permeability. Protoplasma 60(1):150-158. Ref. 1965. 442.8 P94
Review of the literature.
Plant cells.
- 34343 HOMMERSAND, M. H., and THIMANN, K. V. Terminal respiration of vegetative cells and zygospores in Chlamydomonas reinhardtii. Plant Physiol. 40(6):1220-1227. Ref. Nov.1965. 450 P692
- 34344 HRSEL, I. The electron microscopic and classic Golgi apparatus. Biol. Plant. 7(4):293-307. Ref. 1965. 450 B52
Cells of buckwheat.
- 34345 HRSEL, I. Morphology and function of the Golgi apparatus. Biol. Plant. 7(6):437-448. Ref. 1965. 450 B52
Cells of buckwheat.
- 34346 HUTIN, C. Testing beet seed for polyploidy. Int. Seed Testing Ass. Proc. 30(1):39-47. 1965. 61.9 In84P
- 34347 ICHIKAWA, S. Dosage effect of 5A chromosome or the long arm in a Japanese wheat variety, Shinchunaga. Wheat Inform. Serv. 19/20:15. Mar.1965. 463.69 W56
- 34348 INGOLD, M., MARSCHALL, F., and LINDER, A. Description of Swiss wheat varieties based on grain characteristics. (Fr) Schweiz. Landwirt. Forsch. 4(3):251-276, map. Ref. 1965. 17 Sch99
English summary.
Morphology.
- 34349 JACOBS, M. Domatia. Flora Malesiana Bull. 20:1272-1273. Dec.1965. 460.21 B87
- 34350 JALAL, S. M., and NIELSEN, E. L. Interrelations among reproductive stages of Bromus inermis Leyss. Crop Sci. 5(5):401-403. Ref. Sept./Oct.1965. 64.8 C883
- 34351 JALAS, J., and POHJO, T. Chromosome studies in Thymus L. (Labiatae). II. Some Swiss and Hungarian taxa. Ann. Bot. Fenn. 2(2):165-168. Ref. 1965. 450 An79
- 34352 JALAS, J., and POHJO, T. Chromosome studies in Thymus L. (Labiatae). III. A few counts on miscellaneous taxa. Ann. Bot. Fenn. 2(2):169-170. Ref. 1965. 450 An79
- 34353 JENSEN, T. E. The fine structure of certain members of the order Nostocales. Diss. Abs. 26(6):2997-2998. Dec.1965. 241.8 M58
- 34354 JONES, A., and DEONIER, M. T. Interspecific crosses among Ipomoea lacunosa. I. Bot. Gaz. 126(3):226-232. Sept.1965. 450 B652
Chromosomes and morphology.
- 34355 KADEN, N. N. The fruit types of plants of the central zone of European part of the U.S.S.R. (Rus) Bot. Zhur. [Moscow] 50(6):775-787. Ref. 1965. 451 R923
English summary.
Morphology and nomenclature.
- 34356 KADEN, N. N., and ZAKALYUKINA, T. P. Morphology of gynaecium and fruit in the borage and mint families. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:31-41. Ref. May/June 1965. 442.9 M854
Boraginaceae and Labiatae.
- 34357 KAEAMATU, S. Electron microscope observations on the leaf of Azolla imbricata Nakai. Cytologia 30(1):80-87. Mar.1965. 442.8 C99
- 34358 KAPIL, R. N., and VIJAYARAGHAVAN, M. R. Embryology of Pentaphragma horsfieldii (Miq.) Airy Shaw with a discussion on the systematic position of the genus. Phytomorphology 15(1): 93-102. Ref. Mar.1965. 450 P566

- 34359 KAPLAN, D. R. Floral morphology and reproduction in certain members of the genus *Douglasia* (Campanulaceae; Lobelioideae). Diss. Abs. 26(7):3602-3603. Jan.1966. 241.8 M58
- 34360 KATO, Y. Physiological and morphogenetic studies of fern [*Pteris vittata*] gametophytes and sporophytes in aseptic culture. IV. Controlled differentiation in leaf callus tissues. *Cytologia* 30(1):67-74. Ref. Mar.1965. 442.8 C99
- 34361 KAWAMATU, S. Electron microscope observations on blue-green algae [*Anabaena azollae*] in the leaf of *Azolla imbricata* Nakai. *Cytologia* 30(1):75-79. Mar.1965. 442.8 C99
- 34362 KHANNA, P. A contribution to the embryology of *Cyperus rotundus* L., *Scirpus mucrinatus* L., and *Kyllinga melanospora* Nees. Can. J. Bot. 43(12):1539-1547. Ref. Dec.1965. 470 C16C Cyperaceae.
- 34363 KHARE, P. On the morphology and anatomy of two species of *Lepisorus* (J. Smith) Ching: *L. thunbergianus* (Kaulf) Ching, and *L. excavatus* (Bory) Ching. Can. J. Bot. 43(12):1583-1588. Dec.1965. 470 C16C
- 34364 KHIZANTSYAN, S. M. On some special features of embryology of seedless varieties and hybrids of grapes. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk, 18(8):22-31. Aug.1965. 20 Er4
- 34365 KNYAZYUK, V. I. The formation of sexes in the first generation of hybrids of spring wheat after the planting of unripe seeds. (Rus) *Agrobiologiya* 4:618. Aug.1965. 20 Ag822
- 34366 KOSTRIKOVA, L. N. Development of embryo and endosperm of kidneyvetch *Anthyllis*. (Rus) Moscow. Univ. Vestnik, Ser. 6, 6:51-58. Nov./Dec.1964. 442.9 M854 *Anthyllis vulneraria*.
- 34367 KOSTRYUKOVA, K. YU., and CHERNOYAROV, M. V. A contribution to the review of theory of varietal constancy of chromosome numbers in the light of modern science. (Rus) *Agrobiologiya* 4:604-617. Aug.1965. 20 Ag822 Plants.
- 34368 KOUL, M. L. H. Cytogenetics of polyploids. II. Cytology of polyploid *Artemisia maritima* Linn. *Cytologia* 30(1):1-9. Ref. Mar.1965. 442.8 C99
- 34369 KROLOW, K. D. Aneuploidy and fertility in amphidiploid wheat-rye hybrids. *Wheat Inform. Serv.* 19/20:9-11. Mar.1965. 463.69 W56
- 34370 KUDRYAVTSEVA, V. M. On the reason of absence of fruit bearing of Sakhalin knotweed (*Polygonum sachalinense* Schmidt) under conditions of Belorussia. (Some data on embryogenesis). (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(3):194-196. Mar.1965. 511 M663D
- 34371 KUMAR, S., and NATARAJAN, A. T. On the distribution of two-break exchanges on the satellited chromosomes of barley. *Mutation Res.* 2(5):471-475. Oct.1965. 443.8 M98
- 34372 KUWADA, Y. A model-building study of mitosis. II. Preliminary remarks. *Cytologia* 30(1):23-41. Mar.1965. 442.8 C99 Applicable to plants.
- 34373 LAIKOVA, L. I. Autonomic development of endosperm in corn. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2:29-35. Ref. 1964. 451 N853
- 34374 LEVIN, D. A., and SMITH, D. M. An enigmatic *Phlox* from Illinois. *Brittonia* 17(3):254-266, map. Ref. July 1965. 450 B77 Chiefly morphology and hybridization.
- 34375 LIAO, S. H., and HAMILTON, R. H. Intracellular localization of growth hormones in plants. *Science* 151(3712):822-824. Ref. Feb.18,1966. 470 Sci2 *Allium cernuum* and broadbeans studied.
- 34376 LIST, A., and HAHN, K. V. Some nuclear changes accompanying development in the endosperm of *Gleditsia* and *Podophyllum*. *Amer. J. Bot.* 52(10):984-992. Ref. Nov./Dec.1965. 450 Am36 *Gleditsia triacanthos* and *Podophyllum peltatum*.
- 34377 LIU, I. M. The effect of high temperature treatment of meiotic division in *Trillium kamtschaticum*. (Ja) Bot. Mag. Tokyo 78(926/927):312-318. Ref. Aug./Sept.1965. 450 B651 English summary.
- 34378 LLOYD, R. M. Clinal patterns in frond anatomy of *Polypodium*. *Madrono* 18(3):65-74, map. Ref. July 1965. 450 M26
- 34379 LONGLEY, A. E., and KATO Y., T. A. Chromosome morphology of certain races of maize in Latin America. *Int. Center Impr. Maize Wheat. Res. Bull.* 1,122 p. Ref. 1965. 59.8 In88
- 34380 LOTOVA, L. I. Anatomic study of stems of broadbeans in connection with their resistance to lodging. (Rus) Moscow. Univ. Vestnik, Ser. 6, 4:38-48. Ref. July/Aug.1965. 442.9 M854
- 34381 LUFF, M. L. The morphology and microclimate of *Dactylis glomerata* tussocks. *J. Ecol.* 53(3):771-787. Ref. Nov.1965. 450 J829
- 34382 MAKINEN, Y. Effect of glucose on excised onion roots. *Suomalainen Tiedeakatemia. Ann. Ser. A, IV. Biol.* 88,11 p. 1965. 442.9 H36 Cytology.
- 34383 MATSUMURA, Y., and KUBOTA, H. *Icones geophyticum japonicarum*. 26. (Ja) *Amatores Herb.* 26(3):19-22. Nov.10,1965. Morphology.
- 34384 MCEWAN, J. M. Supernumerary shoots in the germinating grain of bread wheat. *New Zeal. J. Agr. Res.* 8(4):1087-1089. Nov.1965. 23 N4892
- 34385 MENZINGER, W. Karyological studies of species and forms of the genus *Botrytis* Mich. (Ge) *Arch. Mikrobiol.* 52(2):178-196. Ref. Oct.14,1965. 442.8 Ar26 English summary. Study of the nucleus.
- 34386 METTIN, D. Colchicine-induced tetraploids of *Aegilops speltoides*. *Wheat Inform. Serv.* 19/20:13. Mar.1965. 463.69 W56
- 34387 MIA, A. J., and PATHAK, S. M. Morphological and histochemical studies of primary root meristem of *Rauwolfia vomitoria*. *Bot. Gaz.* 126(3):204-208. Ref. Sept.1965. 450 B652
- 34388 MILLER, J. J., KINGSLEY, V. V., and RAMIREZ, C. Comparative sensitivity to gamma radiation of yeast mitosis and meiosis. *Radiat. Bot.* 5(5):383-390. Ref. Nov.1965. 450 R11
- 34389 MIROSHNICHENKO, E. YA. Some biological peculiarities in Kentucky bluegrass [*Poa pratensis*]. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2:49-58. Ref. 1964. 451 N853 Chiefly on apomixis.
- 34390 MONROE, J. H. Some aspects of morphogenesis and ultrastructure in *Funaria*. Diss. Abs. 26(6):3001. Dec.1965. 241.8 M58
- 34391 MORIYA, A. Contributions to the cytology of the genus *Saccharum*. VII. *Saccharum spontaneum* from Sikkim and Manila. *Cytologia* 30(1):10-13. Ref. Mar.1965. 442.8 C99
- 34392 MOSELEY, M. Morphological studies of the Nymphaeaceae. III. The floral anatomy of *Nuphar*. *Phytomorphology* 15(1):54-84. Ref. Mar.1965. 450 P566
- 34393 MOUSNY, J. M. A comparative study of various techniques of histo-autoradiography of plant material. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):1257-1269. Ref. 1965. 105.1 G344 English summary. Histology and cytology.

- 34394 MOUTSCHEN-DAHMEN, J., and MOUTSCHEN-DAHMEN, M. A suitable plant material for chromosome breakage studies: *Nigella damascena* L. *Naturwissenschaften* 52(20):566-567. Oct.15,1965. 474 N213
- 34395 MULCAHY, D. L. Heterostyly within *Nivenia* (Iridaceae). *Brittonia* 17(4):349-351. Ref. Oct.1965. 450 B77
- 34396 NETOLITZKY, H. J., and COLOTELO, N. Nuclear studies of *Plenodomus meliloti*. *Mycologia* 57(6):977-979. Nov./Dec.1965. 450 M99
- 34397 NIETSCH, H. Description of the morphological characteristics of grain varieties. (Ge) Vienna, Bundesanst. Pflanzenbau Samenprüfung. Jahrbuch 1964:91-101. 1965. 105.9 V675
- 34398 NORSTOG, K. Induction of apogamy in megagametophytes of *Zamia integrifolia*. *Amer. J. Bot.* 52(10):993-999. Ref. Nov./Dec.1965. 450 Am36
- 34399 NORSTOG, K., OVERSTREET, R. Some observations on the gametophytes of *Zamia integrifolia*. *Phytomorphology* 15(1):46-49. Mar.1965. 450 P566
- 34400 NORTHCOTE, D. H., and WOODING, F. B. P. Development of sieve tubes in *Acer pseudoplatanus*. *Roy. Soc. Proc. Ser. B, Biol. Sci.* 163 (993):524-537. Ref. Jan.18,1966. 501 L84B
- 34401 OLSON, A. C., BONNER, J., and MORRE, D. J. Force extension analysis of *Avena* [sativa] coleoptile cell walls. *Planta* 66(2):126-134. Ref. 1965. 450 P693
Effects of treatment with indoleacetic acid.
- 34402 PACKER, L., SIEGENTHALER, P. A., and NOBEL, P. S. Light-induced volume changes in spinach chloroplasts. *J. Cell Biol.* 26(2):593-599. Aug.1965. 442.8 J828
- 34403 PAL, GY., and OSVALD, S. Parthenocarpic metaxenia in egg-plant (*Solanum melongena* L.). *Acta Agron. [Budapest]* 15(3/4):209-217. 1965. 19 Ac8
- 34404 PALAMARCHUK, I. A. Different quality of corn pollen in a single ear. (Rus) Moscow. *Univ. Vestnik. Ser. 6*, 2:36-45. Mar./Apr.1965. 442.9 M854
Morphology.
- 34405 PALIWAL, G. S. The development of stomata in *Basella rubra* Linn. *Phytomorphology* 15(1):50-53. Ref. Mar.1965. 450 P566
- 34406 PANICKER, T. K. B. Female gametophyte and endosperm in *Lagenandra ovata* Thw. *Cur. Sci.* 34(21):614-615. Nov.5,1965. 475 Sci23
- 34407 PAZOUT, F. Abnormalities of cacti. (Cz) *Ziva* 13(5):181. Sept.1965. 409.6 Z6
Astrophytum.
- 34408 PAZOUT, F. Characteristic features of cacti. (Cz) *Ziva* 13(1):23. Jan.1965. 409.6 Z6
Morphology of *Astrophytum myriostigma* and *A. ornatum*.
- 34409 PAZOUT, F. Flowers and fruit of *Aloe variegata*. (Cz) *Ziva* 13(4):140. July 1965. 409.6 Z6
- 34410 PIERIK, R. L. M. Regulation of morphogenesis by growth regulators [IAA] and temperature treatment in isolated tissues of *Lunaria annua* L. *Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci.* 68(4):324-332. Ref. 1965. 442.9 Am8
- 34411 PODDUBNAYA-ARNOL'DI, V. A., and others. Histochemical study of pollen and pollen tubes of some angiospermous plants. 34 p. Ref. (OTS 64-11080) Transl. 14833
N. V. Tsinger, T. P. Petrovskaya, and N. N. Polunina, joint authors.
Issued by CFSTI.
Translation from Akademiya Nauk SSSR. *Glavnyi Botanicheskii Sad. Trudy* 8:162-195. 1961.
- 34412 PRASAD, A. B., and GODWARD, M. B. E. Comparison of the developmental responses of diploid and tetraploid *Phalaris* following irradiation of the dry seed. I. Determination of mitotic cycle time, mitotic time and phase time. *Radiat. Bot.* 5(6):465-474. Ref. Dec. 1965. 450 R11
Autoradiographic methods.
- 34413 QUINN, C. J. Gametophyte development and embryogeny in the Podocarpaceae. II. *Dacrydium laxifolium*. *Phytomorphology* 15(1):37-45. Ref. Mar.1965. 450 P566
- 34414 RANA, R. S. Somatic reduction in an intervarietal hybrid of *Chrysanthemum* [carinatum]. *Jap. J. Genet.* 40(3):199-201. June 1965. 442.9 J27
- 34415 RAY, D. S., and HANAWALT, P. C. Satellite DNA components in *Euglena gracilis* cells lacking chloroplasts. *J. Mol. Biol.* 11(4):760-768. Ref. Apr.1965. 442.8 J8224
- 34416 RAYNS, D. G., and GODWARD, M. B. E. A quantitative study of mitosis in *Eudorina elegans* in culture. *J. Expt. Bot.* 16(49):569-580. Ref. Nov.1965. 450 J8224
- 34417 RICKARDS, G. K. An analysis of co-orientation in mitosis and meiosis. *J. Theor. Biol.* 9 (2):332-349. Ref. Sept.1965. 442.8 J8223
Allium triquetrum.
- 34418 ROUS, J. Polyploid plants. (Cz) *Ziva* 13(2):50-51. Mar.1965. 409.6 Z6
- 34419 ROY, S. K., and HOLTTUM, R. E. Cytological and morphological observations on *Metaxya rostrata* (H.B.K.) Presl. *Amer. Fern J.* 55 (4):158-164. Oct./Dec.1965. 450 Am35
- 34420 ROY, S. K., and HOLTTUM, R. E. Cytological observations on ferns from southern China. *Amer. Fern J.* 55(4):154-158. Oct./Dec. 1965. 450 Am35
- 34421 SAGAN, L., and others. Studies of chloroplast development in *Euglena* [gracilis]. XI. Radioautographic localization of chloroplast DNA. *Plant Physiol.* 40(6):1257-1260. Ref. Nov.1965. 450 P692
Y. Ben-Shaul, G. T. Epstein, and J. A. Schiff, joint authors.
- 34422 SANKIN, L. S., and SUKHAREVA, N. B. Anatomic and morphological study of natural and artificial polyploids of the genus *Frageria* L. (Rus) Novosibirsk. *Tsent. Sibirsk. Bot. Sad. Tr.* 2:113-122. Ref. 1964. 451 N853
- 34423 SANSOME, E. R., and DIXON, P. A. Cytological studies of the myxomycete *Ceratiomyxa fruticulosa*. *Arch. Mikrobiol.* 52(1):1-9. Sept.6,1965. 442.8 Ar26
- 34424 SASTRAPADJA, D. S. A study of the variations in wood anatomy of Hawaiian *Metrosideros* (Myrtaceae). *Diss. Abs.* 26(6):2946-4947. Dec. 1965. 241.8 M58
- 34425 SATSANGI, A., and RAM, H. Y. M. A continuously growing tissue culture from the mature endosperm of *Ricinus communis* L. *Phytomorphology* 15(1):26-30. Ref. Mar.1965. 450 P566
- 34426 SCHMIDT, T. Reflections on areole and axil of Mammillaria. *Cactus Succulent J. Great Brit.* 27(3):60. Aug.1965. 450 C113
- 34427 SENGER, H. The effect of light on cell division in mixotrophic, synchronous cultures of *Chlorella* [pyrenoidosa]. (Ge) *Arch. f. Mikrobiol.* 51(4):307-322. Ref. Aug.17,1965. 442.8 Ar26
English summary.
- 34428 SHAH, C. K. Embryogeny in some Cyperaceae. *Phytomorphology* 15(1):1-9. Ref. Mar.1965. 450 P566
Carex wallichiana, *Bulbostylis barbata*, and *Cyperus articulatus*.

- 34429 SHARMA, A. K., and MUKHOPADHYAY, S. Chromosome studies in *Typhonium* and *Arisaema* with a view to find out the mode of origin and affinity of the two. *Cytologia* 30(1):58-66. Mar.1965. 442.8 C99
- 34430 SINGH, D. N. Supernumerary chromosomes in some grasses. *Caryologia* 18(3):547-553. Ref. July/Sept.1965. 442.8 C25
- 34431 SINGH, R. P., and JAIN, J. L. Development of female gametophyte in *Euphorbia pilosa* L. *Cur. Sci.* 34(21):611-612. Nov.5,1965. 475 Sci23
- 34432 SINGH, R. P., and GUNCKEL, J. E. Studies on the effect of chronic gamma rays on *Ricinus*. I. Development of pollen, ovule and female gametophyte. *Radiat. Bot.* 5(6):525-542. Ref. Dec. 1965. 450 R11
Morphogenetic effects.
- 34433 STOERMER, E. F., PANKRATZ, H. S., and BOWEN, C. C. Fine structure of the diatom *Amphipleura pellucida*. II. Cytoplasmic fine structure and frustule formation. *Amer. J. Bot.* 52(10):1067-1078. Ref. Nov./Dec.1965. 450 Am36
- 34434 STREIBLOVA, E., MALEK, I., and BERAN, K. Structural changes in the cell wall of *Schizosaccharomyces pombe* during cell division. *J. Bact.* 91(1):428-435. Ref. Jan.1966. 448.3 J82
- 34435 TAMAKI, H. Chromosome behaviour at meiosis in *Saccharomyces cerevisiae*. *J. Gen. Microbiol.* 41(1):93-98. Ref. Oct.1965. 448.3 J823
- 34436 TATEOKA, T. Chromosome numbers of some grasses from Madagascar. *Bot. Mag. Tokyo* 78(926/927):306-311. Ref. Aug./Sept.1965. 450 B651
- 34437 TATEOKA, T. Notes on some grasses. XVIII. Affinities of the genus *Streblochaete*. *Bot. Mag. Tokyo* 78(926/927):289-293. Ref. Aug./Sept.1965. 450 B751
Morphology.
- 34438 TERRACCIANO, A. The species of genus *Brachychiton*. 12 p. Ref. *Transl.* 15726
Morphology.
Translation from *Bolletino del R. Orto Botanico di Palermo* 1(2):50-64. 1897.
- 34439 TEUSCHER, H. *Stanhopea cirrhata* and *S. xytriphora*—two little-known *Stanhopeas*. *Amer. Orchid Soc. Bull.* 34(8):702-705. Aug.1965. 80 Am329
Morphology.
- 34440 TIAGI, B. Development of the seed and fruit in *Melampyrum nemorosum* L. and *M. arvense* L. *Can. J. Bot.* 43(12):1511-1521. Ref. Dec. 1965. 470 C16C
- 34441 TOMLINSON, P. B. Notes on the vegetative anatomy of *Aristeyera spicata* (Palmae). *Arnold Arboretum. J.* 47(1):23-32. Jan.1966. 451 Ar6J
- 34442 UHL, N. W. Morphology and anatomy of the inflorescence axis and flowers of a new palm, *Aristeyera spicata*. *Arnold Arboretum. J.* 47(1):9-22. Jan.1966. 451 Ar6J
- 34443 USTINOVA, E. I., and AFREMOVA, T. D. Some peculiarities of formation of apical cone and reproductive organs in barley under the light of different quality and in the course of the day of different length. (Rus) Moscow. *Univ. Vestnik. Ser. 6*, 5:36-45. Ref. Sept./Oct. 1964. 442.9 M854
- 34444 VANEK, J. Notes on the changes in form and size of leaves. (Cz) *Ziva* 13(6):216-217. Nov. 1965. 409.6 Z6
- 34445 VASIL'EV, A. E. Induced component inversion in periclinal poplars chimeras. (Rus) *Akad. Nauk SSSR. Dok.* 164(6):1401-1404. Ref. 1965. 511 P444A
- 34446 VELISEK, V. Interesting abnormalities of the genus *Cycas*. (Cz) *Ziva* 13(6):209. Nov.1965. 409.6 Z6
Cycas circinalis and *C. revoluta*.
- 34447 VISHVESHWARA, S., and CHINNAPPA, C. C. Embryological studies in *Coffea arabica* L. *Turrialba* 15(4):307-316. Ref. Oct./Dec.1965. 8 T86
- 34448 WAGNER, W. H., and FARRAR, D. R., and CHEN, K. L. A new sexual form of *Pellaea glabella* var. *glabella* from Missouri. *Amer. Fern J.* 55(4):171-178. Oct./Dec.1965. 450 Am35
- 34449 WANGENHEIM, K. H. VON. An electromicroscopic study on the normal development and X-ray irradiated cells of wheat embryos. (Ge) *Radiat. Bot.* 5(5):403-416. Ref. Nov.1965. 450 R11
English summary.
- 34450 WARTENBERG, A. The pyrenoid as the site of chlorophyll formation in algal chloroplasts. (Ge) *Arch. Mikrobiol.* 52(1):83-90. Ref. Sept.6,1965. 442.8 Ar26
Tests with *Mesotaenium caldariorum*.
- 34451 WESTON, C. R. Morphogenesis in fungi: a study of hyphal branching. *Diss. Abs.* 26(7):3607. Jan.1966. 241.8 M58
- 34452 WOLF, F. A., and GERSTEL, D. U. Fasciation in Oriental tobacco. *Tobacco* [New York] 162(4):85-90. Ref. Jan.28,1966. 286.89 T552
- 34453 YAMAZAKI, T. Phylogeny of the leaf in Dicotyledons. (Ja) *Bot. Mag. Tokyo* 78(926/927):332-343. Ref. Aug./Sept.1965. 450 B651
- 34454 YANO, N., and others. The seed morphology of herbaceous plants in Japan. 3. (Ja) *Amatores Herb.* 26(3):31-34. Nov.10,1965. 450 Am12
S. Kobayashi, K. Tsubota, I. Takeda, Y. Nishikawa, and S. Takahashi, joint authors.
- 34455 YEH, B. P., and PELOQUIN, S. J. Pachytene chromosomes of the potato (*Solanum tuberosum*, group *Andigena*). *Amer. J. Bot.* 52(10):1014-1020. Ref. Nov./Dec.1965. 450 Am36
- 34456 ZANKOV, Z. D. Differentiation of buds of yearly rootstocks of grapes. (Rus) *Agrobiologiya* 4:628-629. Aug.1965. 20 Ag822

GENETICS

- 34457 AKERBERG, E., and others. Scandinavian plant breeding. *Acta Agr. Scand. Suppl.* 12, 129 p., map. 1965. 11 Ac82
K. J. Frandsen, E. Kivi, H. Wexelsen, and A. Hagberg, joint authors.
- 34458 AMANO, E., and SMITH, H. H. Mutations induced by ethyl methanesulfonate in maize. *Mutation Res.* 2(4):344-351. Ref. Aug.1965. 443.8 M98
- 34459 AVRAMENKO, B. I., and others. Male sterility of plants due to penetrating radiation. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(3):202-204. Ref. Mar.1965. 511 M663D
A. N. Ipat'ev, L. G. Mushinskaya, and A. P. Savchenko, joint authors.
- 34460 BAUSUM, H. T., and WAGNER, R. P. "Selfing" and other forms of aberrant recombination in isoleucine-valine mutants of *Neurospora*. *Genetics* 51(5):815-830. Ref. May 1965. 442.8 G28
- 34461 BELLMANN, K., and AHRENS, H. The current status of the possibility of applying biometrical genetics in plant breeding. I. (Ge) *Zuchter* 35(4):156-174. Ref. 1965. 442.8 Z8
- 34462 BERG, C. C., NILAN, R. A., and KONZAK, C. F. The effect of pressure and seed water content on the mutagenic action of oxygen in barley seeds. *Mutation Res.* 2(3):263-273. Ref. June 1965. 443.8 M98
- 34463 BERNINGER, E. Contribution to the study of male sterility in the onion ("*Allium cepa*" L.). (Fr) *Ann. Amelior. Plantes* 15(2):183-199. 1965. 14 F8499A
English summary.

- 34464 BHATIA, C. R., and SYBENGA, J. Effect of nitric oxide on X-ray sensitivity of *Crotalaria intermedia* seeds. *Mutation Res.* 2(4):332-338. Ref. Aug.1965. 443.8 M98
- 34465 BIANCHI, A., and TOMASSINI, C. Reversion frequency of waxy pollen type in normal and hypoploid maize plants. *Mutation Res.* 2(4):352-365. Ref. Aug.1965. 443.8 M98
- 34466 BONIN, S. G., and GOPLEN, B. P. Heritability of seed yield components and some visually evaluated characters in reed canarygrass. *Can. J. Plant Sci.* 46(1):51-58. Ref. Jan.1966. 450 C16
Phalaris arundinacea.
- 34467 BOTTINO, P. J. Radiosensitivity studies on an interspecific grass hybrid. *J. Hered.* 56(5):225-228. Sept./Oct.1965. 442.8 Am3
Agropyron subsecundum X A. cristatum subjected to cobalt 60 gamma rays.
- 34468 BRADSHAW, A. D. Evolutionary significance of phenotypic plasticity in plants. *Advances Genet.* 13:115-155. Ref. 1965. 443 D39
Includes effects of environment.
- 34469 BRANDHAM, P. E., and GODWARD, M. B. E. The inheritance of mating type in desmids. *New Phytol.* 64(3):428-435. Oct.1965. 450 N42
- 34470 BROCK, R. D. Response of *Trifolium subterraneum* to X-rays and thermal neutrons. *Radiat. Bot.* 5(6):543-555. Ref. Dec.1965. 450 R11
Mutations.
- 34471 BROERTJES, C. The organization and coordination of mutation breeding research in the Netherlands. Ghent. Landbouwhoges. Mededel. 30(2):967-975. 1965. 105.1 G344
Plants.
- 34472 BUZZELL, R. I. Tetraploid genetics. I. Effects of variation in bivalent preferential pairing. *Can. J. Genet. Cytol.* 7(3):478-483. Sept.1965. 443.8 C16
Applicable to plants.
- 34473 CORBETT, E. G., and MEADER, E. M. Non-stoloniferous strawberry. *J. Hered.* 56(5):237-241. Ref. Sept./Oct.1965. 442.8 Am3
Seed collected in Greece bred with everbearing varieties to determine if seedlings were phenotypically non-stoloniferous.
- 34474 CROSS, R. A. Delayed and persistent expression of induced mutations in *Chlamydomonas reinhardi*. *Diss. Abs.* 26(7):3592-3593. Jan. 1966. 241.8 M58
- 34475 DELONG, S. K. Studies on the genetic control of resistant sporangium formation in *Allomyces*. *Amer. J. Bot.* 52(10):999-1005. Ref. Nov./Dec.1965. 450 Am36
Allomyces arbuscula.
- 34476 DESSUREAUX, L. Chromatid segregation at locus x_2 in alfalfa. (Fr) *Natur. Can.* 92(8/9):217-224. Aug./Sept.1965. 410 N216
- 34477 DEWEY, D. R. Synthetic hybrids of new world and old world *Agropyrons*. II. *Agropyron riparium* *Agropyron repens*. *Amer. J. Bot.* 52(10):1039-1045. Nov./Dec.1965. 450 Am36
- 34478 DONEY, D. L. Genotypic competition and its effect on progeny testing in potatoes. *Diss. Abs.* 26(6):2959. Dec.1965. 241.8 M58
- 34479 DOVZHENKO, L. I., BELOUSOVA, N. I., and PONOMAREVA, A. K. On hereditary capacity of corn to develop ovules without pollination. (Rus) *Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr.* 2:36-41. 1964. 451 N853
Parthenogenesis.
- 34480 DUBININ, N. P., and others. Specificity of the object in induced mutagenesis. (Rus) *Akad. Nauk SSSR, Dok.* 165(1):210-213. 1965. 511 P444A
V. K. Shcherbakov, G. N. Kesler, and L. A. Suikova, joint authors.
Wheat.
- 34481 DUVICK, D. N. Cytoplasmic pollen sterility in corn. *Advances Genet.* 13:1-56. Ref. 1965. 443 D39
- 34482 DYCK, P. L., and RAJHATHY, T. A desynaptic mutant in *Avena strigosa*. *Can. J. Genet. Cytol.* 7(3):418-421. Sept.1965. 443.8 C16
- 34483 EENOO, W. VAN. Colchicine induced tetraploidy in fibre flax. (Fl) Ghent. Landbouwhoges. Mededel. 30(2):469-483. 1965. 105.1 G344
English summary.
- 34484 FAHRNICH, P. The inactivation of unicellular algae by X-ray irradiation. (Ge) *Radiat. Bot.* 5(6):507-512. Ref. Dec.1965. 450 R11
Chlorella, *Chlamydomonas*, and *Euglena*; includes color variants and colony mutants in *Chlorella pyrenoidosa*.
- 34485 GABOR, M. Transformation of streptomycin markers in rough strains of *Rhizobium lupini*. II. The relation between the determinant of streptomycin dependence and those for streptomycin resistance and sensitiveness. *Genetics* 52(5):905-913. Ref. Nov.1965. 442.8 G28
- 34486 GILLHAM, N. W. Linkage and recombination between nonchromosomal mutations in *Chlamydomonas reinhardi*. *Nat. Acad. Sci. Proc.* 54(6):1560-1567. Dec.1965. 500 N21P
- 34487 GOTTSCHALK, W., and VILLALOBOS-PIETRINI, R. The influence of mutant genes on chiasmata formation in *Pisum sativum*. *Cytologia* 30(1):88-97. Ref. Mar.1965. 442.8 C99
- 34488 GOUJON, C. Note on the heredity of the resistance of nine varieties of soft wheat to "Erysiphe graminis" D. C. *Ann. Amelior. Plantes* 15(2):237-240. 1965. 14 F8499A
English summary.
- 34489 GOVINDASWAMI, S. Cytogenetical studies in the genus *Musa* L., edible diploid *Eumusa*-Safet-velchi and Met-balai. *Cytologia* 30(1):42-53. Ref. Mar.1965. 442.8 C99
Banana varieties.
- 34490 GRANICK, S. Cytoplasmic units of inheritance; opening remarks of the chairman. *Amer. Nat.* 99(907):193-199. July/Aug.1965. 470 Am36
Plants.
- 34491 GRANT, V. Evidence for the selective origin of incompatibility barriers in the leafy-stemmed *Gilias*. *Nat. Acad. Sci. Proc.* 54(6):1567-1571, map. Dec.1965. 500 N21P
- 34492 GRIESEL, W. O. Inheritance of factors affecting floral primordia initiation in *Cestrum*; hybrids of *C. elegans* and *C. nocturnum*. *Plant Physiol.* 41(1):111-114. Jan.1966. 450 P692
Study of photoperiod patterns.
- 34493 HAEGEMAN, J. F1 hybrids in ornamental plant culture. (Fl) Land- Tuinbouw *Jaarboek* 20:275-277. 1965. 13 L22
- 34494 HART, G. E. Studies on extrachromosomal male sterility in *Nicotiana*. *Diss. Abs.* 26(7):3595. Jan.1966. 241.8 M58
- 34495 HASKINS, F. A., and KOSUGE, T. Genetic control of the metabolism of O-hydroxycinnamic acid precursors in *Melilotus alba*. *Genetics* 52(5):1059-1068. Ref. Nov.1965. 442.8 G28
- 34496 HESLOT, H. Molecular mechanisms of mutagenesis and the nature of mutations. (Fr) *Ann. Amelior. Plantes* 15(2):111-157. Ref., p.153-157. 1965. 14 F8499A
English summary.
- 34497 HOLMES, F. O. Genetics of pathogenicity in viruses and of resistance in host plants. *Advn. Virus Res.* 11:139-161. Ref. 1965. 448.8 Ad9
- 34498 ICHIKAWA, S., IKUSHIMA, T., and NISHIYAMA, I. Two kinds of chromosome rejoins in X-rayed two-rowed barley. *Radiat. Bot.* 5(6):513-523. Ref. Dec.1965. 450 R11
- 34499 JOHANNESSEN, C. L. Domestication processes used by subsistence and small-scale commercial farmers. *Assoc. Amer. Geog. Ann.* 55(4):623-624. Dec.1965. 500 As73
Plant breeding.

- 34500 JOHNSON, R. E. The inheritance of six agro-nomic characteristics in Sudangrass, *Sorghum vulgare* var. *sudanense*. Diss. Abs. 26(7):3596. Jan.1966. 241.8 M58
- 34501 KAPAS, S. New achievements in the breeding of plants. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:34-38. 1965. 20 M57
Hungary.
- 34502 KARAKASHIAN, S. J., and KARAKASHIAN, M. W. Evolution and symbiosis in the genus *Chlorella* and related algae. *Evolution* 19(3): 368-377. Ref. Sept.1965. 443.8 Ev62
- 34503 KAWAS, S. M. Inheritance of coumarin content in the cross *Melilotus taurica* M. *dentata*. Diss. Abs. 26(7):3596. Jan.1966. 241.8 M58
- 34504 KHVOSTOVA, V. V., and others. Mutants induced by ionizing radiations and ethyleneimine in winter wheat. *Mutation Res.* 2(4):339-344. Ref. Aug.1965. 443.8 M98
V. S. Mozhaeva, N. S. Aigaes, and S. A. Vavleva, joint authors.
Gamma rays and fast neutrons.
- 34505 KOELLE, G. The gene dose effect during conversion of nicotine in tobacco. (Ge) *Zuchter* 35(5):222-228. Ref. 1965. 442.8 Z8
- 34506 KOLMARK, H. G. Protection by endogenous anoxia against the mutagenic and lethal effects of X-rays in *Neurospora crassa*. *Mutation Res.* 2(3):222-228. June 1965. 443.8 M98
- 34507 KOLMARK, H. G. Protection by 2-mercaptoethylamine against the mutagenic and lethal effects of X-rays in *Neurospora crassa*. *Mutation Res.* 2(3):229-235. Ref. June 1965. 443.8 M98
- 34508 KONDRÁ, Z. P., and STEFANSSON, B. R. Inheritance of erucic and eicosenoic acid content of rapeseed oil (*Brassica napus*). *Can. J. Genet. Cytol.* 7(3):505-510. Sept.1965. 443.8 C16
- 34509 LEGRAND, F. E. A genetic study of Conley-dwarf spring wheat backcrosses. Diss. Abs. 26(7):3597. Jan.1966. 241.8 M58
- 34510 LEISLE, D., and AUSEMUS, E. R. Inheritance of [wheat] stem rust reaction in a Frontana-Kenya 58 Newthatch derivative. *Can. J. Genet. Cytol.* 7(3):422-429. Ref. Sept.1965. 443.8 C16
- 34511 LEON GARRE, A. How Mendelism arose. (Sp) *Cult. Mod.* 48(7):260-261. July 1965. 15 C89
On the experiments with peas.
- 34512 LEPAGE, E. Revision of the genealogy of some X *Agroelymus*. (Fr) *Natur. Can.* 92 (8/9):205-215. Aug./Sept.1965. 410 N216
Hybridization of *Agropyron* and *Elymus*.
- 34513 LOPRIENO, N., and CLARKE, C. H. Investigations on reversions to methionine independence induced by mutagens in *Schizosaccharomyces pombe*. *Mutation Res.* 2(4):312-319. Aug.1965. 443.8 M98
- 34514 LOOSE, R. DE. Mutation research with pasture grasses. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(2):991-1007. Ref. 1965. 105.1 G344
English summary.
- 34515 LUKE, H. H., MURPHY, H. C., and PETR, F. C. Inheritance of spontaneous mutations of the Victoria locus in oats. *Phytopathology* 56 (2):210-212. Ref. Feb.1966. 464.8 P56
Disease resistance.
- 34516 MALEK, I. On the centennial of Mendel's achievements. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:10-13. 1965. 20 M57
Plant genetics.
- 34517 MALLING, H. V. Identification of the genetic alterations in nitrous acid-induced ad-3 mutants of *Neurospora crassa*. *Mutation Res.* 2 (4):320-327. Ref. Aug.1965. 443.8 M98
- 34518 MEGNET, R. Screening of auxotrophic mutants of *Schizosaccharomyces pombe* with 2-deoxyglucose. *Mutation Res.* 2(4):328-331. Ref. Aug.1965. 443.8 M98
- 34519 MERICLE, L. W., and MERICLE, R. P. Biological discrimination of differences in natural background radiation level. *Radiat. Bot.* 5(6): 475-492. Dec.1965. 450 R11
Mutagenic effects in *Tradescantia*.
- 34520 MESZAROS, L. The possibility of utilizing the sexual mentor method in corn breeding. (Hu) *Godollo. Agrartud. Egyet. Mezogazdasagtud. Kar. Kozlemenyei* 1964:299-308. Ref. 19 G54
- 34521 MOHAMED, A. H., and SHOEIB, E. S. A. Inheritance of quantitative characters in *Zea mays*. IV. Relationship between knob frequency and combining ability. *Can. J. Genet. Cytol.* 7(3):388-393. Sept.1965. 443.8 C16
- 34522 MOHAMED, H. A., OMAR, A. M., and EL-BARAHAMTOUSKY, M. Effect of radioactive cobalt on characters of some wheat varieties. *Wheat Inform. Serv.* 19/20:16-17. Mar.1965. 463.69 W56
- 34523 MOUSTACCHI, E. Induction by physical and chemical agents of mutations for radioresistance in *Saccharomyces cerevisiae*. *Mutation Res.* 2(5):403-412. Ref. Oct.1965. 443.8 M98
- 34524 MOUTSCHEN-DAHMEN, J., and MOUTSCHEN-DAHMEN, M. Two applications of radioisotopes in mutagenesis. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):977-989. Ref. 1965. 105.1 G344
Study in beans.
- 34525 MULLER, A. J. On the time period of mutation induction after treating soaked seeds of *Arabidopsis* with N-nitroso-N-methylurea. (Ge) *Mutation Res.* 2(5):426-437. Ref. Oct. 1965. 443.8 M98
English summary.
- 34526 NASIM, A., and CLARKE, C. H. Nitrous acid-induced mosaicism in *Schizosaccharomyces pombe*. *Mutation Res.* 2(5):395-402. Ref. Oct. 1965. 443.8 M98
- 34527 NELSON, R. R. The genetic control of mating type in *Cochliobolus lunatus* and *Cochliobolus intermedius*. *Mycologia* 57(6):984-986. Nov./Dec.1965. 450 M99
- 34528 PACKARD, P. L. A constant fertile hybrid between two heterobasic species of *Calochortus*. Diss. Abs. 26(6):3002. Dec.1965. 241.8 M58
- 34529 PARNELL, D. R. Studies of genetic incompatibility between natural population of *Clarkia deflexa*. Diss. Abs. 26(7):3605. Jan.1966. 241.8 M58
- 34530 PAZY, B., and ZOHARY, D. The process of introgression between *Aegilops* polyploids: natural hybridization between *A. variabilis*, *A. ovata*, and *A. biuncialis*. *Evolution* 19(3): 385-394. Sept.1965. 443.8 Ev62
- 34531 PETERSON, C. E. Benefits of plant breeding program never predictable—always valuable. *Canner/Packer* 135(2):43. Feb.1966. 286.83 286.83 C16
- 34532 PETROV, D. F. Apomixis and distant hybridization. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2:6-17. Ref. 1964. 451 N853
- 34533 PONERT, J. Ontogenetic development of *Convallaria* spp. (Cz) *Ziva* 13(5):171-172. Sept. 1965. 409.6 Z6
- 34534 POVILAITIS, B. Genotypic correlations among certain quantitative characters in tobacco. *Can. J. Genet. Cytol.* 7(3):523-529. Ref. Sept. 1965. 443.8 C16
- 34535 PUTT, E. D. Heterosis, combining ability, and predicted synthetics from a diallel cross in sunflowers (*Helianthus annuus* L.). *Can. J. Plant Sci.* 46(1):59-67. Ref. Jan.1966. 450 C16
- 34536 RAMANAMURTHY, G. V. Genetics of self incompatibility in the wild species of safflower *Carthamus oxyacantha* M. B. and its significance in plant breeding. *Andhra Agr. J.* 11(5): 173-176. 1964. 34.2 An4

- 34537 RAO, G. M. Studies on sterility in interracial hybrids of rice (*Oryza sativa* Linn). Andhra Agr. J. 11(6):256-271. Ref. 1964. 34.2 An4
- 34538 RHYNE, C. L. Duplicate linkage blocks in glandless-leaf cotton. J. Hered. 56(5):247-252. Ref. Sept./Oct.1965. 442.8 Am3
- 34539 RILEY, R., and LAW, C. N. Genetic variation in chromosome pairing. Advances Genet. 13: 57-114. Ref. 1965. 443 D39
Includes plants and insects.
- 34540 ROMMEL, M. Cytogenetics of autotetraploid sugar beet (*Beta vulgaris* L.). I. Tetraploid varieties. Zuchter 35(5):219-222. Ref. 1965. 442.8 Z8
- 34541 SANKIN, L. S. Polyploidy in muskmelons. (Rus) Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr. 2:69-73. 1964. 451 N853
Induced by colchicine treatments.
- 34542 SCANDALIOS, J. G. Genetic isozyme variations in *Zea mays*. Diss. Abs. 26(7):3599. Jan.1966. 241.8 M58
- 34543 SCHWARTZ, L. J., and STAUFFER, J. F. Three methods of assessing the mutagenic action of ultraviolet radiation on the fungus *Emeticloopsis glabra*. Appl. Microbiol. 14(1):105-109. Ref. Jan.1966. 448.3 Ap5
- 34544 SERMONTI, G., BANDIERA, M., and SPADA-SERMONTI, I. New approach to the genetics of *Streptomyces coelicolor*. J. Bact. 91(1):384-392. Ref. Jan.1966. 448.3 J82
- 34545 SHEEN, S. J., and SNYDER, L. A. Studies on the inheritance of resistance to six stem rust cultures using chromosome substitution lines of a Kenya wheat. Can. J. Genet. Cytol. 7(3): 374-387. Ref. Sept.1965. 443.8 C16
- 34546 SHKVARNIKOV, P. K., KULIK, M. I., and SAFONOVA, V. T. Relative mutagenic efficiency of certain chemical compounds, tested on plants. (Rus) Akad. Nauk SSSR. Dok. 164(5): 1161-1164. Ref. 1965. 511 P444A
Wheat.
- 34547 SILBER, G., and BURK, L. G. A genetic leaf curl of tobacco. J. Hered. 56(5):215-218. Sept./Oct.1965. 442.8 Am3
- 34548 SINGH, A. P. Intergeneric cross of *Dichanthium annulatum* with *Bothriochloa ischaemum*. Cytologia 30(1):54-57. Ref. Mar.1965. 442.8 C99
- 34549 SLAYMAN, C. W., and TATUM, E. L. Potassium transport in *Neurospora*. III. Isolation of a transport mutant. Biochim. et Biophys. Acta 109(1):184-193. Ref. Sept.27,1965. 381 B522
- 34550 SMITH, E. B. Cytogenetics and phylogeny of *Haplopappus* section *Isopappus* (Compositae). Diss. Abs. 26(6):3004-3005. Dec.1965. 241.8 M58
- 34551 STEWART, R. N. The origin and transmission of a series of plastogene mutants in *Dianthus* and *Euphorbia* [pulcherrima]. Genetics 52(5): 925-947. Ref. Nov.1965. 442.8 G28
- 34552 STYLES, E. D. The metastable nature of paramutable R alleles in maize. Diss. Abs. 26(7): 3599-3560. Jan.1966. 241.8 M58
- 34553 SYMPOSIUM ON CYTOPLASMIC UNITS OF INHERITANCE. [Proceedings]. Amer. Nat. 99 (907):193-334. Ref. July/Aug.1965. 470 Am36
Includes articles related to plants.
Sponsored by the American Society of Naturalists.
- 34554 SZIKLAI, O. Variation and inheritance of some physiological and morphological traits in *Pseudotsuga menziesii* (Mirb.) Franco var. *menziesii*. Diss. Abs. 26(7):3568-3569. Jan.1966. 241.8 M58
- 34555 TAYLOR, R. J. Interspecific hybridization in *Aquilegia*. Diss. Abs. 26(6):3005. Dec.1965. 241.8 M58
- 34556 TRUKHINOVA, A. T. Mutation of plants grown from unripe seeds. (Rus) Agrobiologiya 6 (156):851-855. Nov./Dec.1965. 20 Ag822
Wheat and oats.
- 34557 TURCOTTE, E. L., and FEASTER, C. V. The inheritance of rugate leaf in Pima cotton. J. Hered. 56(5):234-236. Sept./Oct.1965. 442.8 Am3
Mutation observed in breeding nursery in Tempe, Arizona.
- 34558 VALADON, L. R. G., and HEALE, J. B. Carotenoids in mutants of *Verticillium albo-atrum*. J. Gen. Microbiol. 41(3):341-348. Ref. Dec.1965. 448.3 J823
- 34559 VENKATASWAMY, T. Inheritance of certain morphological characters in relation to hybrid sterility in inter-racial crosses of rice (*Oryza sativa* L.). Andhra Agr. J. 11(5):161-172. Ref. 1964. 34.2 An4
- 34560 WAGNER, R. Progressive selection of variables using the Mahalanobis D^2 statistic application to the determination of the best discriminant function separating two seed populations of vine. (Fr) Ann. Amélior. Plantes 15(2):159-181. Ref. 1965. 14 F8499A
English summary.
Genetic research.
- 34561 WATANABE, Y., and ONO, S. I. Cytogenetic studies on the artificial polyploids in the genus *Oryza*. I. Colchicine-induced octoploid plants of *Oryza latifolia* Desv. Jap. J. Breeding 15 (3):1-9. Ref. Sept.1965. 64.8 J27
- 34562 ZETTERBERG, G., and KIHLMAN, B. A. Production of mutations by streptonigrin in the ascomycete *Ophiostoma multiannulatum*. Mutation Res. 2(5):470-471. Oct.1965. 443.8 M98
- 34563 ZHELEZNOV, A. V. Effect of mutagenic factors on changes in buckwheat progeny. (Rus) Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr. 2: 104-106. 1964. 451 N853
- 34564 ZIMMER, D. E., SCHAFER, J. F., and PATTERSON, F. L. Nature of fertilization and inheritance of virulence in *Puccinia coronata*. Phytopathology 55(12):1320-1324. Ref. Dec. 1965. 464.8 P56
Puccinia coronata avenae.
- 34565 ZOZ, N. N., KOLOTENKOV, P. V., and MAKAROVA, S. I. Mutations, induced in the third generation of pea hybrids, by ethylenimine. (Rus) Akad. Nauk SSSR. Dok. 164(5):1159-1160. 1965. 511 P444A

PHYSIOLOGY

- 34566 ABRAROV, A. A. Dependence of the relative contribution of the pentose phosphate respiratory path during drought on nucleic acid synthesis. (Rus) Akad. Nauk SSSR. Dok. 164(6):1425-1427. Ref. 1965. 511 P444A
Horsebeans used in experiment.
- 34567 ABAMYAN, L. G. The effect of the degree of soil erosion on the growth and development of subterranean and superterranean parts of trees. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(6):37-42. June 1965. 20 Er4
Armeniaca vulgaris and *Amygdalus fenzliana*.
- 34568 ADDERLEY, L. Air pollution as it affects orchids at the New York Botanical Garden. Amer. Orchid Soc. Bull. 34(8):697-699. Aug.1965. 80 Am329
- 34569 ADLER, K., and WARTENBERG, H. The role of microorganisms in the heat evolution of germinating seeds. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(7):730-735. Ref. Nov.1965. 448.3 C33
English summary.
Of *Vicia faba*.
- 34570 AGERTER, S. R., and GLOCK, W. S. An annotated bibliography of tree growth and growth rings 1950-1962. Tucson, Univ. Ariz. Press, 1965. 180 p. Z5354.G8A3

- 34571 AHMADJIAN, V. Artificial reestablishment of the lichen *Cladonia cristatella*. Science 151 (3707):199-201. Jan.14,1966. 470 Sci2
- 34572 AKHUND-ZADE, I. M., and BABAEV, M. M. Extending life of Grecian laurel leaves [*Laurus nobilis undulata*] in the Caspian subtropics. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(8):74-75. 1965. 511 Ak147D
- 34573 ALEKSANDROVA, N. M., and BRONIKOVA, A. N. Apple tree beyond polar circle. (Rus) Sadovodstvo 12:22. Dec.1965. 80 Sa13
A developmental study.
- 34574 ALESSI, J., and POWER, J. F. Influence of moisture, plant population, and nitrogen on dry-land corn in the Northern Plains. Agron. J. 57 (6):611-612. Nov./Dec.1965. 4 Am34P
Influence on forage and grain yields.
- 34575 ALEXANDER, C. W., and CHAMBLEE, D. S. Effect of sunlight and drying on the inoculation of legumes with *Rhizobium* species. Agron. J. 57(6):550-553. Nov./Dec.1965. 4Am34P
Alfalfa and deervetch.
- 34576 ALLEN, L. H., and BROWN, K. W. Shortwave radiation in a corn crop. Agron. J. 57(6):575-580. Nov./Dec.1965. 4 Am34P
- 34577 ALVAREZ, M. R., and SPARROW, A. H. Comparison of reproductive integrity in the stamen hair and root meristem of *Tradescantia paludosa* following acute gamma irradiation. Radiat. Bot. 5(5):423-430. Ref. Nov.1965. 450 R11
- 34578 ANDREENKO, S. S., and RUBIN, B. A. Plant physiology in relation to problems of intensified agriculture. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:3-10. Sept./Oct.1964. 442.9 M854
- 34579 ANDREW, W. D. Moisture and temperature requirements for germination of three annual species of *Medicago*. Australian J. Exp. Agr. Anim. Husb. 5(19):450-452. Nov.1965. 23 Au792
Medicago polymorpha vulgaris, *M. minima*, and *M. truncatula*.
- 34580 ANGELOVIC, J. W. Some effects of accumulated radium on the productivity of algae. Diss. Abs. 26(6):2955. Dec.1965. 241.8 M58
- 34581 ANSORGE, H. Nutrient uptake and nutrient balance in the "Statistical Fertilizer Research" Lauchstadt, according to sixty years of research. 2. Phosphoric acid. (Ge) Albrecht-Thaer-Arch. 9(7):631-650. Ref. 1965. 18 AL1
English summary.
Field crops.
- 34582 APPLEMAN, D., FULCO, A. J., and SHUGARMAN, P. M. Correlation of alpha-linolenate to photosynthetic O₂ production in *Chlorella*. Plant Physiol. 41(1):136-142. Ref. Jan.1966. 450 P692
Chlorella vulgaris.
- 34583 ARDITTI, J. Orchids. Sci. Amer. 214(1):70-78. Jan.1966. 470 Sci25
Chiefly pollination.
- 34584 ARNOLD, W. R., and SANTELMANN, P. W. The response of native grasses and forbs to picloram. Weeds 14(1):74-76. Jan.1966. 79.8 W41
- 34585 ARSCOTT, T. G., BHANGOO, M. S., and KARON, M. L. Investigations of the giant Cavendish banana—a note on the relationship between bunch weight and quantity of supplemental irrigation. Trop. Agr. [St. Augustine] 42(4):367-368. Oct.1965. 26 T754
- 34586 ARUGA, Y. Ecological studies of phytoplankton. I. Seasonal changes in photosynthesis of natural phytoplankton. Bot. Mag. Tokyo 78(926/927):280-288. Ref. Aug./Sept.1965. 450 B651
- 34587 ARUTYUNYAN, L. V. Fall color of the leaves of ornamental stands of the Erevan. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(6):62-68. June 1965. 20 Er4
Chiefly as affected by weather.
- 34588 ASEEVA, I. V., and EVDOKIMOVA, M. D. Effect of gibberellins on the content of nitrogen substances and carbohydrates in plants. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:39-45. Ref. Nov./Dec.1964. 442.9 M854
Peas
- 34589 AUBE, C., and SACKSTON, W. E. Distribution and prevalence of *Verticillium* species producing substances with gibberellin-like biological properties. Canad. J. Bot. 43(11):1335-1342. Ref. Nov.1965. 470 C16C
Effects of *Verticillium* isolates from various hosts on the growth of maize seedlings.
- 34590 AVAKIMOVA, L. G., and BELIKOV, P. S. Transitory motion of photosynthesis in leaves separated from oak [*Quercus rubra*]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:279-284. Ref. 1965. 20 M857
- 34591 AVAKYAN, V. A., GUKASYAN, L. A., and SAKYAN, I. SH. The effect of X-rays on the production of potatoes. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(5):52-56. May 1965. 20 Er4
Effects on growth and yields.
- 34592 AVDONIN, N. S., and LEBEDEVA, L. A. Effect of soil properties, fertilizers and wintering conditions on accumulation and utilization of starches and hemicelluloses by clover plants. (Rus) Moscow. Univ. Vestnik. Ser. 6, 4:69-74. Ref. July/Aug.1965. 442.9 M854
- 34593 BAKUNIAK, I., and OSTROWSKI, J. Methodology of evaluating growth substances when using the "first internode of oats" test. (Pol) In Poznan. Instytut Ochrony Roslin. Materiały do metodyki badań biologicznej oceny środków ochrony roślin, pt.2,p.87-89. 1964. 464.4 P87M
- 34594 BANGARAYYA, M., and PAL, N. L. Inducing aerial rooting in tobacco by naphthalene acetic acid spray. Cur. Sci. 34(21):617-618. Nov.5, 1965. 475 Sci23
- 34595 BARTEL, E. E., and LAKER, M. C. Recovery of zinc from plant material. S. Afr. J. Agr. Sci. 8(1):183-189. Mar.1965. 24 Su3
Rye and cucumber.
- 34596 BATRA, P. P., and JAGENDORF, A. T. Bicarbonate effects on the Hill reaction and photophosphorylation. Plant Physiol. 40(6):1074-1079. Ref. Nov.1965. 450 P692
In spinach chloroplasts.
- 34597 BEARD, J. B. Factors in the adaptation of turfgrasses to shade. Agron. J. 57(5):457-459. Sept./Oct.1965. 4 Am34P
Resistance to drought, light deficiency and diseases.
- 34598 BEAUCHESNE, G., and POULAIN, M. C. Influence of approximately monochromatic light on the pith tissues of tobacco grown in vitro in the presence of auxin and kinetin. (Fr) Photochem. Photobiol. 5(1):157-167. Jan.1966. 382 P56
English summary.
- 34599 BENDANA, F. E., and others Recovery of labeled ribonucleic acid following administration of labeled auxin to green pea stem sections. Plant Physiol. 40(6):977-983. Ref. Nov.1965. 450 P692
A. W. Galston, R. Kaur-Sawhney, and P. J. Penny, joint authors.
- 34600 BEREZOVSKII, M. YA., and RADZHAeva, R. P. Effect of simazine on oat root system and its development in soil. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:219-224. 1965. 20 M857
- 34601 BESEMER, J., and KUSTER, H. J. The oxygen supply of whole carrots. (Ge) Deut. Bot. Ges. Ber. 78(6):235-246. Ref. 1965. 451 D48
- 34602 BETINA, V., DROUHET, E., and SEGRETAIN, G. In vitro activity of cyanein on pathogenic fungi. (Fr) Inst. Pasteur. Ann. 109(6):933-943. Ref. Dec.1965. 448.3 An75
English summary.

- 34603 BEZDEK, V. Study of the relations between the contents of principal plant nutrients N-P₂O₅-K₂O in the overground parts of the plant and the yields of winter wheat. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(10): 1031-1054. Ref. Oct.1965. 64.9 C33
English summary.
- 34604 BIGGINS, J., and PARK, R. B. CO₂ assimilation by etiolated *Hordeum vulgare* seedlings during the onset of photosynthesis. *Plant Physiol.* 41(1):115-118. Ref. Jan.1966. 450 P692
- 34605 BILODUB, H. An outline of a test with algae for evaluation of herbicide activity. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2, p.91-96. 1964. 464.4 P87M
Culture of *Chlorella pyrenoidosa* with variant amounts of herbicides in the growing medium.
- 34606 BISWAS, S. Oxygen and phytoplankton changes in the newly forming Volta Lake in Ghana. *Nature [London]* 209(5019):218-219. Jan.8, 1966. 472 N21
- 34607 BLACK, M., and RICHARDSON, M. Promotion of germination in light-requiring seed by chloramphenicol. *Nature [London]* 208(5015):1114-1115. Dec.11, 1965. 472 N21
Lettuce seed.
- 34608 BOAWN, L. C. Zinc concentration in hop leaves in relation to adequate and inadequate levels of zinc nutrition. *Agron. J.* 57(6):523-524. Nov./Dec.1965. 4 Am34P
- 34609 BOGDANOVA, K. M. Intensity of transpiration and moisture expenditure by some plants growing in the Archedin-Don sandy area. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:26-38. Nov./Dec.1964. 442.9 M854
- 34610 BOLYSHEV, N. N., SHTINA, E. A., and KONNOVA, E. N. Effect of various salts and their concentrations on species composition of algae. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:72-80. Ref. Mar./Apr.1965. 442.9 M854
Chiefly Solonchak soils.
- 34611 BONDOOKHUU, TS., and PLESHKOV, B. P. Chemical composition of wheat under different growing condition in Mongolian Democratic Republic. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:257-262. Ref. 1965. 20 M857
- 34612 BONNETT, H. T., and TORREY, J. G. Chemical control of organ formation in root segments of *Convolvulus [arvensis]* cultured in vitro. *Plant Physiol.* 40(6):1228-1236. Ref. Nov.1965. 450 P692
Growth regulators.
- 34613 BORODULINA, F. Z., and FURSENKO, L. S. Effects of concentrated chemical solution on apple tree. (Rus) Khim. Sel'skom Khoz. 3(9): 26-29. Ref. Sept.1965. 385 K524
Spray mixture of insecticides and fungicides.
- 34614 BOROVSKEY, E. Watching *Collybia velutipes* Pers. grow. (Cz) Mykol. Sb. 42(7/8):109. Oct.1965. 450 C27
Physiology and morphology.
- 34615 BORTHWICK, H. A. Light effects with particular reference to seed germination. *Int. Seed Testing Ass. Proc.* 30(1):15-27. Ref. 1965. 61.9 In84P
- 34616 BOSZORMENYI, Z. A comparison between the bromide absorption by excised roots and intact plants. *Acta Agron. [Budapest]* 15(3/4):219-234. Ref. 1965. 19 Ac8
Barley.
- 34617 BOURNE, D. T., and RANSON, S. L. Respiratory metabolism in detached *Rhododendron* leaves. *Plant Physiol.* 40(6):1178-1190. Ref. Nov.1965. 450 P692
- 34618 BOVAY, E., and BOLAY, A. Dispersion of fluorated gas in the central Valais. (Fr) Agr. Romande (ser.A)4(5):33-36, map. May 1965. 17 Ag8
Effects on fluorine content of plants.
- 34619 BOWEN, J. E., and GAUCE, H. G. The essentiality of boron for *Dryopteris dentata* and *Selaginella apoda*. *Amer. Fern J.* 55(2):67-73. Apr./June 1965. 450 Am35
- 34620 BOWLING, D. J. F., and WEATHERLEY, P. E. The relationships between transpiration and potassium uptake in *Ricinus communis*. *J. Expt. Bot.* 16(49):732-741. Ref. Nov.1965. 450 J8224
- 34621 BRADFELD, E. G., and SPINCER, D. Leaf analysis as a guide to the nutrition of fruit crops. VI. Determination of magnesium, zinc and copper by atomic absorption spectroscopy. *J. Sci. Food Agr.* 16(1):33-38. Ref. Dec.1965. 382 Sol2
- 34622 BRAKEL, J., and MANIL, P. Symbiotic fixation of nitrogen in beans (*Phaseolus vulgaris* L.)—trials in bacterization by *Rhizobium phaseoli*. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):3-25. 1965. 105.1 G285
- 34623 BREWBAKER, J. L., ESPIRITU, L., and MAJUMDER, S. K. Comparative effects of X-ray and u. v. irradiations on pollen germination and growth. *Radiat. Bot.* 5(6):493-500. Ref. Dec.1965. 450 R11
- 34624 BRIANTAIS, J. M. Isolation and activities of chloroplast particles corresponding to two photochemical systems. (Fr) Photochem. Photobiol. 5(1):135-142. Ref. Jan.1966. 382 P56
English summary.
- 34625 BRODO, I. M. Studies of growth rates of corticolous lichens on Long Island, New York. *Bryologist* 68(4):451-456. Ref. Winter 1965. 450 B84
- 34626 BRODY, M., and BRODY, S. S. The existence of chlorophyll aggregates at room temperature in vivo and in vitro. *Biochim. Biophys. Acta* 112(1):54-57. Ref. Jan.4, 1966. 381 B522
Includes Euglena.
- 34627 BROOKS, A. E. Zygote germination in *Astrephomene*. *Ind. Acad. Sci. Proc.* 74:153-154. 1964, pub. 1965. 500 In2
- 34628 BROUGHAM, R. W. The effect of red clover on the leaf growth of white clover under long spelling during the summer. *New Zeal. J. Agr. Res.* 8(4):859-864. Nov.1965. 23 N4892
- 34629 BROWN, G. N., and NAYLOR, A. W. Quantitative studies of nucleic acids in contrasting zones of tissue differentiation in germinating mimosa [*Albizia julibrissin* Durazzini] seedlings. *Bot. Gaz.* 126(3):167-174. Ref. Sept. 1965. 450 B652
- 34630 BROWN, J., BRIL, C., and URBACH, W. Fractionation of chlorophyll forms from *Euglena [gracilis]* and measurement of light-induced absorbance changes. *Plant Physiol.* 40(6):1086-1090. Ref. Nov.1965. 450 P692
- 34631 BROWN, J. C. Calcium movement in barley and wheat as affected by copper and phosphorus. *Agron. J.* 57(6):617-621. Ref. Nov./Dec.1965. 4 Am34P
- 34632 BRUINSMA, J. Effects of pesticidal treatments on the chlorophyll content of plant parts. *Residue Rev.* 10:1-39. Ref., p.30-39. 1965. 389.9 R314
Literature review.
- 34633 BRZOZOWSKA, J., and HANOWER, P. Autoradiographic study of the translocation of ³⁵S in the cotton plant. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):837-854. Ref. 1965. 105.1 G344

- 34634 BURNETT, D., AUDUS, L. J., and ZINSMEISTER, H. D. Growth substances in the roots of *Vicia faba*. II. Phytochemistry 4(6):891-904. Ref. Nov.1965. 450 P5622
- 34635 BUZINOV, P. A. Effects of soil ball and rhizomes moisture on sprouting of peppermint [*Mentha piperita*]. (Rus) Selek. Semenovodstvo 6:72. Nov./Dec.1965. 61.9 Se5
- 34636 CALDER, D. M. Flowering behaviour of populations of *Dactylis glomerata* under field conditions in Britain. J. Appl. Ecol. 1(2):307-320. Ref. Nov.1964. 410 J828
- 34637 CALDER, F. W., and MACLEOD, L. B. Effect of cold treatment of alfalfa as influenced by harvesting system and rate of potassium application. Can. J. Plant Sci. 46(1):17-26. Ref. Jan.1966. 450 C16
- 34638 CALPOUZOS, L., and STALLKNECHT, G. F. Sporulation of *Cercospora beticola* affected by an interaction between light and temperature. Phytopathology 55(12):1370-1371. Dec.1965. 464.8 P56
Pathogenic to sugar beets.
- 34639 CARDER, A. C. Further data on the performance of Bellani-type atmometers. Can. J. Plant Sci. 46(1):93-96. Jan.1966. 450 C16
For measuring water loss from crop plants.
- 34640 CARR, T. W. A. The influence of nitrogen and phosphorus nutrition, and temperature, on anthocyanin and reducing sugars in leaves of broccoli and other species. Diss. Abs. 26(6):2958-2959. Dec.1965. 241.8 M58
- 34641 CHAILAKHYAN, M. KH., and SARKISOVA, M. M. The dynamics of natural gibberellins in seedless and seed-bearing grape-varieties, with reference to the effect of gibberellic acid. (Rus) Akad. Nauk SSSR. Dokl. 165(6):1443-1446. Ref. 1965. 511 P444A
- 34642 CHANCE, B. and others. Kinetic studies on the oxidase systems of photosynthetic bacteria. Biochim. Biophys. Acta 112(1):1-7. Ref. Jan.4,1966. 381 B522
C. T. Horio, M. D. Kamen, and S. Taniguchi, joint authors.
- 34643 CHANDRA, G. R., and VARNER, J. E. Gibberellic acid-controlled metabolism of RNA in aleurone cells of barley. Biochim. Biophys. Acta 108(4):583-592. Ref. Dec.9,1965. 381 B522
- 34644 CHANG, W. H., and TOLBERT, N. E. Distribution of C14 in serine and glycine after C14O2 photosynthesis by isolated chloroplasts. Modification of serine C14 degradation. Plant Physiol. 40(6):1048-1052. Ref. Nov.1965. 450 P692
Spinach.
- 34645 CHEBOTAEVA, T. Differentiation of cherry buds. (Rus) Sadovodstvo 1:15. Jan.1966. 80 Sa13
Effects of weather.
- 34646 CHEE, K. H., and NEWHOOK, F. J. Variability in sexual reproduction of *Phytophthora cinnamomi* Rands. New Zeal. J. Agr. Res. 8(4):947-950. Ref. Nov.1965. 23 N4892
- 34647 CHERRY, J. H., and HUYSTEE, R. VAN. Effects of 5-fluorouracil on photoperiodic induction and nucleic acid metabolism of *Xanthium*. Plant Physiol. 40(6):987-993. Ref. Nov.1965. 450 P692
- 34648 CHKANIKOV, D. I., KOSTINA, V. I., and GERTSUSKII, D. F. Effects of phenoxy acid halide on phosphorylation. (Rus) Khim. Sel'skom Khoz. 4(2):50-54. Ref. Feb.1966. 385 K524
Peas.
- 34649 CHKANIKOV, D. I., PAVLOVA, N. N., and GERTSUSKII, D. F. Phenol halide as products of metabolism of phenoxy acids halides in plants. (Rus) Khim. Sel'skom Khoz. 4:56-60. Ref. Apr.1965. 385 K524
- 34650 CHOI, I. C. S. The movement of tritiated water in plants. Diss. Abs. 26(6):3013-3014. Dec. 1965. 241.8 M58
Soybeans.
- 34651 CHOW, P. N., BURNSIDE, O. C., and LAVY, T. L. Physiological studies with prickly pear. Weeds 14(1):58-62. Ref. Jan.1966. 79.8 W41
Opuntia laevis and *O. polyacantha*; effect of growth substances, photosynthesis and bioassay.
- 34652 CHRISTIANSEN, M. N., and JUSTUS, N. E. Progress in impermeable seedcoat research. U. S. Agr. Res. Serv. ARS-72-40:31-34. Oct. 1965. A381 R31
Discussion, p.52-55.
Prevention of viability losses in cotton seeds.
- 34653 CLARKSON, D. T. Effect of aluminum on the uptake and metabolism of phosphorus by barley seedlings. Plant Physiol. 41(1):165-172. Ref. Jan.1966. 450 P692
Radioactive phosphorus.
- 34654 CLEEMPUT, O. VAN, and HENDE, A. VAN DEN. Uptake and diffusion of labelled phosphate after foliar nutrition. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(2):855-869. Ref. 1965. 105.1 G344
English summary.
- 34655 COLBRY, V. L. Specifications for paper substrata. Int. Seed Testing Ass. Proc. 30(2):236-244. 1965. 61.9 In84P
For seed germination.
- 34656 COMPTON, O. C., REMMERT, L. F., and MELLENTIN, W. M. Fluorine levels in crops of the Dalles area in 1964. Oreg. Agr. Exp. Sta. Spec. Rep. 204,21 p.,map. Dec.1965. 100 Or3M
In cherry and peach tree foliage.
- 34657 COOK, J. R., and HEINRICH, B. Glucose vs. acetate metabolism in *Euglena*. J. Protozool. 12(4):581-584. Ref. Nov.1965. 439.8 J82
Euglena gracilis.
- 34658 COPE, B. T., and others. Growth of *lemna* in H2O-D2O mixtures: enhancement by kinetin. Bot. Gaz. 126(3):214-221. Ref. Sept.1965. 450 B652
S. Bose, H. L. Crespi, and J. J. Katz, joint authors.
- 34659 COWELL, B. C. The effects of sodium arsenite and silvex on the plankton populations in farm ponds. Amer. Fish.Soc. Trans. 94(4):371-377. Ref. Oct.1965. 414.9 Am3
- 34660 CROP SCIENCE SOCIETY OF AMERICA. Forage plant physiology and soil-range relationships; two symposia. Amer. Soc. Agron. ASA. Spec. Publ. 5,250 p. Ref. Oct.1964. 64.9 Am3
Soil Science Society of America and American Society of Range Management cooperating.
- 34661 CUENOT, G. Nutritive solutions and hydroponic cultures. (Fr) Avenir Agr. 5:29-31. Sept./Oct.1965. 14 Av32
- 34662 CULLIMORE, D. R. Influence of ionic phosphate diffusion in the soil on the growth of *Hormidium flaccidum*. Nature [London] 209 (5020):326-327. Jan.15,1966. 472 N21
- 34663 CUPCEA, E., and SUTEU, S. Study of the consumption of oxygen by some algae of the Black Sea. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):46-51. Ref. 1965. 442.9 C62
French summary.
- 34664 CUPINA, T. Physiological and biochemical value of different leaves of corn at different planting rate. (Se) Arh. Poljoprivredne Nauk. 18(60):75-106. Ref. 1965. 21.5 Y9
English summary.
- 34665 CURTH, P. Problematics of the degree of conformity of bud rank under various methods of testing for budding resistance of sugar beets. (Ge) Zuchter 35(5):214-218. Ref. 1965. 442.8 Z8
Factor preventing premature development.
- 34666 DAHLSTROM, R. V. Physical factors affecting barley germination. Cereal Sci. Today 10(8):466-468,470,472. Sept.1965. 59.8 C333

- 34667 EL-DAMATY, A. H., HOFNER, W., and NEUMANN, K. H. Some morphological and biochemical investigations on bean and wheat seedlings after treatment with (2-chloroethyl)-trimethyl ammonium chloride. *Agrochimica* 9(4): 285-296. Sept. 1965. 385 Ag84
- 34668 DAVIDSON, D., MACLEOD, R. D., and TAYLOR, J. An IAA-induced stimulation of growth of roots of *Vicia faba* previously treated with colchicine. *New Phytol.* 64(3):393-398. Ref. Oct. 1965. 450 N42
- 34669 DAVIES, C. R., SETH, A. K., and WAREING, P. F. Auxin and kinetin interaction in apical dominance. *Science* 151(3709):468-469. Jan. 28, 1966. 470 Sci2
In beans.
- 34670 DAVIS, F. S., and MCCARTY, M. K. Effect of several factors on the expression of dormancy in western ironweed [*Vernonia baldwini*]. *Weeds* 14(1):62-69. Jan. 1966. 79.8 W41
- 34671 DAVIS, J. S. The germination of the akinetes of *Coleochaete*. *Amer. Microscop. Soc. Trans.* 84(4):548-550. Oct. 1965. 440.9 Am33
- 34672 DEAL, E. E., and ENGEL, R. E. Iron, manganese, boron and zinc: effects on growth of Merion Kentucky bluegrass [*Poa pratensis*]. *Agron. J.* 57(6):553-555. Nov./Dec. 1965. 4 Am34P
- 34673 DEIKOVA, Z. E. Photometry with application of crystal violet used in determination of boron. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:465-471. 1965. 20 M857
In plants, fertilizers and soils.
- 34674 DEJAEGERE, R. Effects of the mineral nutrition and the radiation emitted by P32 on the growth of the cotton plant. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):1105-1112. 1965. 105.1 G344
English summary.
- 34675 DELEUZE, G. Variation of the incorporation of 32P in relation to photoperiod in *Perilla nan-kinensis*, specific short-day plant. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):895-903. Ref. 1965. 105.1 G344
- 34676 DERMINE, P., and KLINCK, H. R. The value of standard weather data in yield-climate studies of two oat varieties. *Can. J. Plant Sci.* 46(1):27-34. Jan. 1966. 450 C16
Temperature and precipitation.
- 34677 DERYABIN, V. I., and BABAEV, T. YA. Effects of phosphor-organic defoliant on cotton. (Rus) *Khim. Sel'skom Khoz.* 1:58-59. Jan. 1965. 385 K524
Butyphos and Folex.
- 34678 DICKINSON, D. B. Germination of lily pollen: respiration and tube growth. *Science* 150 (3705):1818-1819. Ref. Dec. 31, 1965. 470 Sci2
Lilium longiflorum.
- 34679 DIMITRIJEVIC, D. Some problems of technology of wheat production. (Se) *Agrohemiya* 7/8: 401-404. 1965. 385 Ag87
Fertilizers and quality.
- 34680 DIMOND, A. E. Pressure and flow relations in vascular bundles of the tomato plant. *Plant Physiol.* 41(1):119-131. Ref. Jan. 1966. 450 P692
- 34681 DIOS, R. V., and BROYER, T. V. Deficiency symptoms and essentiality of molybdenum in corn hybrids. *Agrochimica* 9(3):273-284. Ref. June 1965. 385 Ag84
- 34682 DODSON, C. H. The genus *Coryanthes*—studies in orchid pollination. *Amer. Orchid Soc. Bull.* 34(8):680-687. Aug. 1965. 80 Am329
- 34683 DRYAGINA, I. V. Application of ionizing radiation while making experiments on *Gladiolus*. (Rus) *Moscow. Univ. Vestnik. Ser. 6*, 5:46-56. Ref. Sept./Oct. 1964. 442.9 M854
Chiefly physiological effects.
- 34684 DUSHECHKIN, V. Net assimilation rate of photosynthesis in various varieties of red clover. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 3:377-389. Ref. 1965. 442.9 Ak18
English summary.
- 34685 EATON, G. W. The effect of frost upon seed number and berry size in the cranberry. *Can. J. Plant Sci.* 46(1):87-88. Jan. 1966. 450 C16
- 34686 EBERLY, W. R. Preliminary results in the laboratory culture of planktonic blue-green algae. *Ind. Acad. Sci. Proc.* 74:165-168. Ref. 1964, pub. 1965. 500 In2
Physiology.
- 34687 EDGERTON, L. J., and HOFFMAN, M. B. Inhibition of fruit drop and colour stimulation with N-dimethylaminosuccinamic acid. *Nature [London]* 209(5020):314-315. Jan. 15, 1966. 472 N21
Apples studied.
- 34688 EGER, G. Investigations on the formation and regeneration of fruit-bodies in mushrooms. III. *Flammulina velutipes* Curt. ex Fr. and *Agaricus bisporus* (Lge.) Sing. (Ge) *Arch. Mikrobiol.* 52(3):282-290. Oct. 25, 1965. 442.8 Ar26
- 34689 EHEART, M. S. Fertilizer effects in broccoli: fertilization effects on the chlorophylls, carotene, pH, total acidity, and ascorbic acid in broccoli. *J. Agr. Food Chem.* 14(1):18-20. Ref. Jan./Feb. 1966. 381 J8223
Nitrogen and iron chelate.
- 34690 EHRLER, W. L., BAVEL, C. H. M. VAN, and NAKAYAMA, F. S. Transpiration, water balance of cotton plants as affected by light and changes in saturation deficit. *Plant Physiol.* 41 (1):71-74. Jan. 1966. 450 P692
- 34691 EILAM, Y. Permeability changes in senescing tissue. *J. Expt. Bot.* 16(49):614-627. Nov. 1965. 450 J8224
Phaseolus multiflorus and *Arum maculatum*; ¹⁴C glycerol and ¹⁴C sucrose in K⁺ leakage measurements.
- 34692 ENILEEV, KH. KH., and ANDRYUSHCHENKO, V. K. Response of the cotton to molybdenum. (Rus) *Khlopkovodstvo* 8:46-47. Aug. 1965. 72.8 K522
- 34693 ERIE, L. J., FRENCH, O. F., and HARRIS, K. Consumptive use of water by crops in Arizona. *Ariz. Agr. Exp. Sta. Tech. Bull.* 169, 44 p. Sept. 1965. 100 Ar4
Field crops, fruit, and vegetables; data applicable to irrigation schedules.
- 34694 EVANS, L. T. Abscisin. II. Inhibitory effect on flower induction in a long-day plant. *Science* 151(3706):107. Jan. 7, 1966. 470 Sci2
Lolium temulentum studied.
- 34695 EVENARI, M. Physiology of seed dormancy, after-ripening and germination. *Int. Seed. Testing Ass. Proc.* 30(1):49-71. Ref. 1965. 61.9 In84P
- 34696 EVERSON, R. G., and ROWAN, K. S. Phosphate metabolism and induced respiration in washed carrot slices. *Plant Physiol.* 40(6):1247-1250. Ref. Nov. 1965. 450 P692
- 34697 EVSTRATOV, A. Method of artificial freezing. (Rus) *Sadovodstvo* 1:16. Jan. 1966. 80 Sa13
Cherry hardness test.
- 34698 EZEDINMA, F. O. C. Some effects of removal of axillary branches on semi-upright cowpeas (*Vigna unguiculata* (L.) Walp.). *Hort. Res.* 5(2): 113-121. Ref. Nov. 1965. 80 H7892
Effects on yields.
- 34699 FAUST, M. Physiology of anthocyanin development in McIntosh apples. *Diss. Abs.* 26(6): 2996. Dec. 1965. 241.8 M58
- 34700 FENDALL, R. K. An investigation into the site and cause of seed dormancy of *Stipa viridula* and *Oryzopsis hymenoides*. *Diss. Abs.* 26(7): 3569-3570. Jan. 1966. 241.8 M58

- 34701 FERNANDEZ, O. A. Physiological action of 2, 4-dichlorophenoxyacetic acid. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):11-20. Ref. 1963, pub. 1965. 9 B863
English summary.
- 34702 FIALA, V., KOLAR, V., and KONDRATOVA, M. A contribution to the study of physico-chemical properties and the physiological effect of the power plant fly ash on plants. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(10): 1071-1080. Ref. Oct. 1965. 64.9 C33
English summary.
- 34703 FISCHETTI, B. C. A product that dwarfs plants, applied to wheat. (It) G. Agr. 76(3):26. Jan. 16, 1966. 16 It1G
CCC for control of lodging.
- 34704 FLETCHER, H. F., and others. Response of peas to environment. I. Planting date and location. Can. J. Plant Sci. 46(1):77-85. Jan. 1966. 450 C16
D. P. Ormrod, A. R. Maurer, and B. Stanfield, joint authors.
- 34705 FOGG, G. E. Algal cultures and phytoplankton ecology. Madison, Univ. Wis. Press, 1965. 126 p. QK565.F6
- 34706 FOURNIER O., L. A. Vegetative development of *Coffea arabica* L. cv. bourbon Choussy. III. First stages in leaf development. (Sp) Turrialba 15(4):274-280. Ref. Oct./Dec. 1965. 8 T86
English summary.
- 34707 FRANK, R. Atrazine carryover in production of sugar beets in southwestern Ontario. Weeds 14(1):82-85. Jan. 1966. 79.8 W41
- 34708 FREDGA, A., and LOFROTH, U. Studies on synthetic growth substances. XVII. Resolution and absolute configuration of 3,5-dimethylphenoxy-propionic acid. Arkiv Kem. 23(3/4): 239-243. 1965. 385 Ar4
- 34709 FREDGA, A., and SANDSTROM, K. I. Studies on synthetic growth substances. XIX. Resolution and absolute configuration of 2-chloro-4-methylphenoxy-propionic acid and 2,4-dimethylphenoxy-propionic acid. Arkiv Kem. 23(3/4): 245-253. 1965. 385 Ar4
- 34710 FREDRIKSSON, L. Isotopes and frame trials in plant nutrition problem research. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:71-75. 11 Sw34
- 34711 FUENTE, R. K. DE LA. The absorption, translocation and accumulation of sodium in young squash plants. Diss. Abs. 26(6):2995. Dec. 1965. 241.8 M58
- 34712 GABRIELS, R. Trace elements and their importance for agriculture. (Fl) Land- Tuinbouw Jaarboek 20:53-56. 1965. 13 L22
Effects on plants.
- 34713 GAILLOCHET, J., and MATHON, C. C. The flowering of *Erigeron karwinskianum* DC.; the influence of photoperiodism and temperature. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):737-740. Ref. 1965. 442.9 P21
- 34714 GALLING, G. Ribonucleic acid in *Chlorella*. I. The base composition of RNA of synchronous *Chlorella* [pyrenoidosa] under various conditions of nutrition. (Ge) Flora [Jena] 155(4): 596-605. Ref. July 15, 1965. 450 F66
English summary.
- 34715 GALUN, E., and GRESSEL, J. Morphogenesis in *Trichoderma*: suppression of photoinduction by 5-fluorouracil. Science 151(3711):696-698. Ref. Feb. 11, 1966. 470 Sci2
- 34716 GARESTIER, R., and CHENIEUX, J. C. Chloroform, selective solvent of a growth factor in lemons (*Citrus limonum* Risso). (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):741-744. Ref. 1965. 442.9 P21
- 34717 GATES, D. M. Heat transfer in plants. Sci. Amer. 213(6):76-84. Dec. 1965. 470 Sci25
- 34718 GATES, D. M. Spectral properties of plants. n.p., 1964. p. 11-20. Ref. 463.3 G22
Reprinted from Applied Optics, v. 4, No. 1.
- 34719 GAVRILOVA, V. A. Hardiness of flower buds. (Rus) Sadovodstvo 1:14. Jan. 1966. 80 Sa13
Deciduous fruit.
- 34720 GAVRILYUK, V. A. On the biology of plant parasite *Boschniakia rossica* (Cham. et Schlecht.) B. Fedtsch. (Rus) Bot. Zhur. [Moscow] 50(4):523-528, map. Ref. Apr. 1965. 451 R923
- 34721 GEL'TSER, F. YU., and KOVAL', N. G. Mycotrophic ability of highly productive varieties of Soviet wheat. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 10:35-39. Ref. Oct. 1965. 20 V633
English summary.
- 34722 GENTNER, W. A. The influence of EPTC on external foliage wax deposition. Weeds 14(1): 27-31. Ref. Jan. 1966. 79.8 W41
On cabbage.
- 34723 GERIC, L., and others. Distribution of radioactive carbon C14 in some products of photosynthesis in sugar beet plants in dependence on the moisture conditions in the soil. Ghent. Landbouwhogeschool. Mededel. 30(2):1035-1044. 1965. 105.1 G344
M. Saric, T. Cupina, and D. Dimitrijevic, joint authors.
- 34724 GHOSH, G. R. Rooting response of *Brassica oleracea* L. var. capitata and bud formation. Qualitas Plant. Mater. Veg. 12(3):295-299. Sept. 30, 1965. 64.8 M41
- 34725 GIBBS, S. P., SISTROM, W. R., and WORDEN, P. B. The photosynthetic apparatus of *Rhodospirillum molischianum*. J. Cell Biol. 26(2): 395-412. Ref. Aug. 1965. 442.8 J828
- 34726 GIFFORD, G. F., and NELSON, E. D. Uptake of ²²Na by intact seeds. New Phytol. 64(3): 360-365. Oct. 1965. 450 N42
- 34727 GITEL'SON, I. I., KOVROV, B. G., and TER-SKOV, I. A. A mathematical description of the process of continuous cultivation of microalgae. (Rus) Akad. Nauk SSSR. Dok. 165 (3):692-695. 1965. 511 P444A
- 34728 GOLDSMITH, M. H. M. Movement of indoleacetic acid in coleoptiles of *Avena sativa* L. II. Suspension of polarity by total inhibition of the basipetal transport. Plant Physiol. 41(1): 15-27. Ref. Jan. 1966. 450 P692
Auxin movement, with carbon-14 labeling.
- 34729 GOODIJK, G., LUGT, C., and BODLAENDER, K. B. A. The origin of secondary growth in potatoes and its influence on tuber development. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(8):404-410. Ref. Aug. 1965. 12 N383M
- 34730 GOODMAN, P. J. Soil plant nitrogen relations of tobacco at Mareeba, north Queensland. Australian J. Exp. Agr. Anim. Husb. 5(17):180-192. Ref. May 1965. 23 Au792
- 34731 GORSLINE, G. W., BAKER, D. E., and THOMAS, W. I. Accumulation of eleven elements by field corn (*Zea mays* L.). Penn. Agr. Exp. Sta. Bull. 725, 34 p. Ref. Sept. 1965. 100 P381
- 34732 GORTER, J., and VEEN, H. Auxin transport in explants of *Coleus*. Plant Physiol. 41(1):83-86. Ref. Jan. 1966. 450 P692
Alpha-naphthaleneacetic acid C¹⁴.
- 34733 GOTTFREICH, M., and GINSBURG, O. Changes in banana leaf tissues under the influence of low temperatures (observations made on cut and stained sections under the microscope). (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 449, 8 p. Apr. 1964. 107 R26
English summary.
- 34734 GOULD, S. E. B., and others. Pectic polysaccharides in the growth of plant cells; molecular structural factors and their role in the germination of white mustard. Nature [London] 208 (5013):876-878. Ref. Nov. 27, 1965. 472 N21
D. A. Rees, N. G. Richardson, and I. W. Steele, joint authors.
Brassica hirta.

- 34735 GOULD, S. E. B., and REES, D. A. Polysaccharides and germination: some chemical changes that occur during the germination of white mustard [*Sinapis alba*]. *J. Sci. Food Agr.* 16(12):702-709. Ref. Dec.1965. 382 So12
- 34736 GRAVEN, E. H., ATTOE, O. J., and SMITH, D. Effect of liming and flooding on manganese toxicity in alfalfa. *Soil Sci. Soc. Amer. Proc.* 29(6):702-706. Ref. Nov./Dec.1965. 56.9 So3
- 34737 GREENHALGH, W. J. Alternate cropping of the Delicious apple: the effect of 2,3,5-triiodobenzoic acid spray on blossom bud initiation in the on year. *Australian J. Exp. Agr. Anim. Husb.* 5(19):482-486. Nov.1965. 23 Au792
Includes effect on fruit-set.
- 34738 GREENWOOD, E. A. N., GOODALL, D. W., and TITMANIS, Z. V. The measurement of nitrogen deficiency in grass swards. *Plant Soil* 23(1):97-116. Aug.1965. 450 P696
Lolium rigidum.
- 34739 GRIME, J. P. The ecological significance of lime-chlorosis. An experiment with two species of *Lathyrus*. *New Phytol.* 64(3):477-487. Ref. Oct.1965. 450 N42
Lathyrus montanus and *L. pratensis*; includes nutritional deficiencies.
- 34740 GRIME, J. P., and JEFFREY, D. W. Seedling establishment in vertical gradients of sunlight. *J. Ecol.* 53(3):621-642. Ref. Nov.1965. 450 J829
Chiefly grasses and trees.
- 34741 GROMET-ELHANAN, Z., and ARNON, D. I. Effect of desaspadin on photosynthetic phosphorylation. *Plant Physiol.* 40(6):1060-1065. Ref. Nov.1965. 450 P692
In spinach chloroplasts.
- 34742 GROMET-ELHANAN, Z., and AVRON, M. Effect of inhibitors and uncouplers on the separate light and dark reactions in photophosphorylation. *Plant Physiol.* 40(6):1053-1059. Ref. Nov.1965. 450 P692
Using Swiss chard chloroplasts.
- 34743 GUETTINGER, D. L. Nitrate and ammonium nutrition of wheat. *Diss. Abs.* 26(6):2959. Dec. 1965. 241.8 M58
- 34744 GULYAKIN, I. V., GUSEV, M. I., and POGOSYAN, E. A. Effects of nutritional condition on quality of tomatoes. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:253-255. 1965. 20 M857
- 34745 GULYAKIN, I. V., GUSEV, M. I., and POGOSYAN, E. A. Effects of nutritional condition on yields and nitrogen exchange in tomatoes. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:247-251. 1965. 20 M857
- 34746 GULYAKIN, I. V., and SEMENOV, P. YA. Nutritional use of NPK by corn and the effects of mineral fertilizers and lime on its yielding. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:181-184. 1965. 20 M857
- 34747 GUR, A., and SAMISH, R. M. The relation between growth curves, carbohydrate distribution and compatibility of pear trees grafted on quince rootstocks. *Hort. Res.* 5(2):81-100. Ref. Nov.1965. 80 H7892
- 34748 GUSEINOV, S. B. Effects of different conditions on growth, productivity and sugar content in sugar beets. (Rus) *Akad. Nauk Azerb. SSR. Dokl.* 21(8):70-73. 1965. 511 Ak147D
Weather, soil and planting date.
- 34749 GVOZDEVA, Z. V. Promising method of the longterm storage of seeds. (Rus) *Agrobiologiya* 4:572-576. Aug.1965. 20 Ag822
To insure viability.
- 34750 HABERMANN, H. M., and HAYWARD, P. C. Photooxidation of ascorbate to oxalate and threonate mediated by chloroplasts in far red light. *Photochem. Photobiol.* 5(1):113-118. Jan.1966. 382 P56
- 34751 HADNAGY, A. Controlling planting seed quality shall be done in winter. (Hu) *Magyar Mezőgazdaság* 20(50):8-9. Dec.15,1965. 19 M27
Viability testing.
- 34752 HAJDUKOVIC, M., and ULRICH, B. The effects of sodium humate on plant growth and phosphate dynamics of a soil (Ge) *Bodenkultur* 16(1/2):41-49. Ref. Feb./May 1965. 19 B635
English summary.
Tested on corn.
- 34753 HANSON, J. B., MALHOTRA, S. S., and STONER, C. D. Action of calcium on corn mitochondria. *Plant Physiol.* 40(6):1033-1040. Ref. Nov.1965. 450 P692
- 34754 HARASZTY, A., and SZABOLCS, MRS. O. V. New experiments for the influencing of fiber formation in hemp (*Cannabis sativa* L.). (Hu) *Debrecen. Tudgyetem. Acta (ser.2)* 2:25-45. 1963, pub. 1964. 510 D35
German summary.
Effects of nitrogen, potassium and phosphorus fertilizers.
- 34755 HARDH, J. E., and WALLDEN, J. Flower formation and berry growth in black currant. (Fi) *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 37(1):61-75. Ref. 1965. 20 Su7M
Summary and table headings also in English.
- 34756 HARRIS, G. P., and BRADBEER, A. P. The flowering behaviour of carnation cuttings produced in long and short days. *J. Hort. Sci.* 41(1):73-83. Jan.1966. 80 J825
- 34757 HART, R. H., and WELLS, H. D. Effect of temperature and soils on emergence of summer annual forage grasses. *Agron. J.* 57(6):636-637. Nov./Dec.1965. 4 Am34P
- 34758 HART, R. H., and BURTON, G. W. Effect of weather on forage yields of winter oats, rye, and wheat. *Agron. J.* 57(6):588-591. Nov./Dec. 1965. 4 Am34P
- 34759 HARTLEY, R. D., and NEVE, R. A. The effect of gibberellic acid on development and yield of fuggle hops. *J. Hort. Sci.* 41(1):53-56. Jan. 1966. 80 J825
- 34760 HASSELO, H. N. The nitrogen, potassium, phosphorus, calcium, magnesium, sodium, manganese, iron, copper, boron, zinc, molybdenum, and aluminium contents of tea leaves of increasing age. *Ceylon. Tea Res. Inst. Tea Quart.* 36(3):122-136. Ref. Sept.1965. 68.18 C33
- 34761 HAUTKE, P., and PETRICEK, D. The effect of pollination on the formation of cones of hops and the component important in brewing. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):281-286. Mar.1965. 64.9 C33
German summary.
- 34762 HECK, W. W., DUNNING, J. A., and HINDAWI, I. J. Ozone: nonlinear relation of dose and injury in plants. *Science* 151(3710):577-578. Feb.4,1966. 470 Sci2
Tobacco and beans studied.
- 34763 HERMET, E. P. Heladas primaverales [Spring frosts]. *Alto Valle. Estac. Exp. Agropecuar. Bol. Divulgacion Tec.* 13,25 p. Ref. Aug.1965. 102.5 AL7
Effects on fruit trees and plant protection.
- 34764 HEROLD, M. Economical use of various procedures for pre-germination of seed potatoes. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(3):142-144. Mar.1965. 18 W763
- 34765 HESS, D. C. Lodging response of certain oat selections and their hybrid progenies. *Diss. Abs.* 26(7):3560-3561. Jan.1966. 241.8 M58
- 34766 HILL-COTTINGHAM, D. G., and BOLLARD, E. G. Chemical changes in apple tree tissues following applications of fertiliser nitrogen. *New Zeal. J. Agr. Res.* 8(4):778-787. Ref. Nov.1965. 23 N4892

- 34767 HOAD, G. V., and PEEL, A. J. Studies on the movement of solutes between the sieve tubes and surrounding tissues in willow. II. Pathways of ion transport from the xylem to the phloem. *J. Expt. Bot.* 16(49):742-758. Ref. Nov.1965. 450 J8224
Salix viminalis, with radioactive rubidium, phosphate, and sulfate used in research.
- 34768 HODGES, T. K. Oligomycin inhibition of ion transport in plant roots. *Nature [London]* 209 (5021):425-426. Ref. Jan.22,1966. 472 N21
Oats studied chiefly.
- 34769 HOFFMANN, E., and BAHN, E. The evaluation of perennial series of field research results in relation to meteorological data. 3. (Ge) Albrecht-Thaer-Arch. 9(5):465-494. 1965. 18 AL1
English summary.
- 34770 HOLEVAS, C. D. The effect of a vesicular-arbuscular mycorrhiza on the uptake of soil phosphorus by strawberry (*Eragaria* sp. var. Cambridge favorite). *J. Hort. Sci.* 41(1):57-64. Ref. Jan.1966. 80 J825
- 34771 HOLSTEN, R. D. Organization and metabolism in cultured plant cells: effects of radiation and other factors on growth induction. *Diss. Abs.* 26(6):2997. Dec.1965. 241.8 M58
- 34772 HOWELL, J. H., and JUNG, G. A. Cold resistance of Potomac orchardgrass [*Dactylis glomerata*] as related to cutting management, nitrogen fertilization, and mineral levels in the plant sap. *Agron. J.* 57(6):525-529. Nov./Dec. 1965. 4 Am34P
- 34773 HUDSON, M. A., and BRUSTKERN, P. Resistance of young and mature leaves on *Mnium undulatum* (L.) to frost. *Planta* 66(2):135-155. Ref. 1965. 450 P693
- 34774 HUGHES, A. P. Plant growth and the aerial environment. IX. A synopsis of the autecology of *Impatiens parviflora*. *New Phytol.* 64(3):399-413. Ref. Oct.1965. 450 N42
- 34775 HUGHES, R. Climatic factors in relation to growth and survival of pasture plants. *Brit. Grassland Soc. J.* 20(4):263-272. Ref. Dec. 1965. 60.19 B773
- 34776 HUSA, J. G., and MCILRATH, W. J. Absorption and translocation of boron by sunflower plants. *Bot. Gaz.* 126(3):186-194. Ref. Sept. 1965. 450 B652
- 34777 HUSAIN, A. Microsporogenesis and pollen abortion in Bruce plum (*Prunus salicina* P. angustifolia). *Diss. Abs.* 26(7):3570-3571. Jan. 1966. 241.8 M58
- 34778 IBANEZ, M. L., CASAS, I. A., and REDSHAW, E. S. Cytological changes in cacao seed cotyledon caused by cold treatment. *Turrialba* 15(4):354-355. Oct./Dec.1965. 8 T86
- 34779 IBANEZ, M. L., and CASAS, I. A. The effect of pH on cacao seed germination inhibition by mucilage of the cacao pod. *Turrialba* 15(4):353-354. Oct./Dec.1965. 8 T86
- 34780 INTERNATIONAL SEED TESTING ASSOCIATION. TETRAZOLIUM TEST COMMITTEE. Report, 1962-1965, by W. Lindenbein. *Int. Seed Testing Ass. Proc.* 30(2):381-390. 1965. 61.9 In84P
- 34781 INTERNATIONAL SEED TESTING ASSOCIATION. VIGOUR TEST COMMITTEE. Report, 1962-1963, by W. Heydecker. *Int. Seed Testing Ass. Proc.* 30(2):369-380. Ref. 1965. 61.9 In84P
- 34782 IVANOV, V. P. The role of soil microorganisms in the mutual exchange of higher plants by their root excretions. (Rus) *Akad. Nauk SSSR. Dok.* 165(4):947-950. Ref. 1965. 511 P444A
Corn used in experiment.
- 34783 IVASHCHENKO, A. I. Substitution of seedling thinning by seed sowing with simultaneous application of mineral fertilizers. (Rus) *Khim. Sel'skom Khoz.* 2:12-15. Ref. Feb.1965. 385 K524
Study of effects of fertilizers on pear root-stock development.
- 34784 JAASKA, V. The dependence of the amino acid composition of the green alga *Scenedesmus quadricauda* (Turp.) Breb on nutrition with different nitrogen sources. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 2:175-179. Ref. 1965. 442.9 Ak18
English summary.
- 34785 JAASKA, V. Dependence of the productivity and chemical composition of some green algae on nitrogen nutrition conditions. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 1:49-56. Ref. 1965. 442.9 Ak18
English summary.
Chlorococcum botryoides and *Scenedesmus* species.
- 34786 JACKMAN, R. H. The uptake of rubidium by the roots of some graminaceous and leguminous plants. *New Zeal. J. Agr. Res.* 8(4):763-777. Ref. Nov.1965. 23 N4892
- 34787 JAMES, A. P., and WERNER, M. M. The radiobiology of yeast. *Radiat. Bot.* 5(5):359-382. Ref. Nov.1965. 450 R11
A review.
- 34788 JAMESON, D. A. Effect of defoliation on forage plant physiology. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:67-80. Ref. Oct.1964. 64.9 Am3
- 34789 JEFFREY, S. W., ULRICH, J., and ALLEN, M. B. Some photochemical properties of chloroplast preparations from the chryomonad *Hymenomonas* sp. *Biochim. Biophys. Acta* 112(1):35-44. Jan.4,1966. 381 B522
- 34790 JENSEN, M. E., and SLETTEN, W. H. Evapotranspiration and soil moisture-fertilizer interrelations with irrigated grain sorghum in the southern Great Plains. *U. S. Agr. Res. Serv. Conserv. Res. Rep.* 5,27 p. Ref. Aug. 1965. A279.9 Ag8
Texas Agricultural Experiment Station, co-operating.
Texas.
- 34791 JENSEN, M. E., and SLETTEN, W. H. Evapotranspiration and soil moisture-fertilizer interrelations with irrigated winter wheat in the southern High Plains. *U. S. Agr. Res. Serv. Conserv. Res. Rep.* 4,26 p. Ref. July 1965. A279.9 Ag8
Texas Agricultural Experiment Station, co-operating.
Texas.
- 34792 JIMENEZ SAENZ, E. Some effects of 2,3,5-Triiodobenzoic acid and indol-3-acetic acid on the absorption and distribution of iron⁵⁹ by plants. *Turrialba* 15(4):281-285. Oct./Dec. 1965. 8 T86
- 34793 JOHNSON, B. E., and BRUN, W. A. Stomatal density and responsiveness of banana fruit stomates. *Plant Physiol.* 41(1):99-101. Jan. 1966. 450 P692
Musa acuminata.
- 34794 JOHNSON, G. R. Effect of several environmental variables on the covariances among yield and its components in oats and barley. *Diss. Abs.* 26(6):2960. Dec.1965. 241.8 M58
- 34795 JONES, L. H. P., and HANDRECK, K. A. Studies of silica in the oat plant. III. Uptake of silica from soils by the plant. *Plant Soil* 23(1):79-96. Ref. Aug.1965. 450 P696
- 34796 JONES, P. D. The effect of potassium on establishment and seedling vigour. *Brit. Grassland Soc. J.* 20(4):255-257. Dec.1965. 60.19 B773
Effects on white clover and timothy.

- 34797 JOSHI, M. C., BOYER, J. S., and KRAMER, P. J. Growth, carbon dioxide exchange, transpiration, and transpiration ratio of pineapple. Bot. Gaz. 126(3):174-179. Ref. Sept.1965. 450 B652
- 34798 JOY, K. W., and FOLKES, B. F. The uptake of amino-acids and their incorporation into the proteins of excised barley embryos. J. Expt. Bot. 16(49):646-666. Ref. Nov.1965. 450 J82224
Radioactive carbon used in research.
- 34799 KAHRE, L., and WIKLERT, P. Sand as a substrate for germination. Int. Seed Testing Ass. Proc. 30(2):245-250. 1965. 61.9 In84P
- 34800 KAMPF, R. A possibility of limiting too luxurious grain stands. (Ge) Mitt. Deut. Landwirt.-Ges. 79(47):1602,1604. Nov.19,1964. 18 N39
Use of Reglone on wheat to prevent lodging.
- 34801 KAPANADZE, I. S. Sterility in bamboo plants [Phyllostachys reticulata]. (Rus) Akad. Nauk SSSR. Dok. 164(6):1397-1400. 1965. 511 P444A
- 34802 KARASTAN, D. I. Effects of soils and fertilizers on fat content in sunflower seeds grown under conditions in southern Moldavia. (Rus) Khim. Sel'skom Khoz. 6:7-8. June 1965. 385 K524
- 34803 KARLANDER, E. P., and KRAUSS, R. W. Responses of heterotrophic cultures of *Chlorella vulgaris* Beyerinck to darkness and light. I. Pigment and pH changes. Plant Physiol. 41(1):1-6. Ref. Jan.1966. 450 P692
- 34804 KARLANDER, E. P., and KRAUSS, R. W. Responses of heterotrophic cultures of *Chlorella vulgaris* Beyerinck to darkness and light. II. Action spectrum for and mechanism of the light requirement for heterotrophic growth. Plant Physiol. 41(1):7-14. Ref. Jan.1966. 450 P692
Includes malonate and cyanide as growth inhibitors.
- 34805 KARMANOV, V. G., and MELESHCHENKO, S. N. Certain data on the influence produced by mineral nutrition on the water regime of plants. (Rus) Akad. Nauk SSSR. Dok. 164(3):699-700. 1965. 511 P444A
Beans.
- 34806 KARPOV, G. K., and TYULENEV, V. M. Basic principles in individual development of fruit plants. (Rus) Sadovodstvo 1:33. Jan.1966. 80 Sa13
- 34807 KARVE, M. D. The influence of substrate composition and initial pH on the amino acid content of *Dactylium dendroides* Fr. Diss. Abs. 26(7):3603. Jan.1966. 241.8 M58
- 34808 KASK, K. Growth and overwintering responses of apricot and peach seedlings to various day-lengths. (Rus) Akad. Nauk. Est. SSR. Izv. Ser. Biol. 1:120-129. Ref. 1965. 442.9 Ak18
English summary.
- 34809 KASPERBAUER, M. J., and HIATT, A. J. Photoreversible control of leaf shape and chlorophyll content in *Nicotiana tabacum* L. Tobacco [New York] 162(8):29-33. Ref. Feb.25, 1966. 286.89 T552
- 34810 KATO, Y. Physiological and morphogenetic studies of fern gametophyte and sporophytes by aseptic culture. V. Further studies on one- and two-dimensional growth in gametophytes of *Pteris vittata*. Bot. Mag. Tokyo 78(923):149-155. Ref. May 1965. 450 B651
- 34811 KAYLL, A. J., and GIMINGHAM, C. H. Vegetative regeneration of *Calluna vulgaris* after fire. J. Ecol. 53(3):729-734. Nov.1965. 450 J829
- 34812 KEFFORD, N. P., and RIJVEN, A. H. G. C. Gibberellin and growth in isolated wheat embryos. Science 151(3706):104-105. Jan.7,1966. 470 Sci2
- 34813 KERSHAW, E. S., and BANTON, C. L. The mineral content of S.22 ryegrass on calcareous loam soil in response to fertiliser treatments. J. Sci. Food Agr. 16(12):698-701. Dec.1965. 382 So12
- 34814 KESTERSON, J. W., and HENDRICKSON, R. Aldehyde content of Valencia orange oil as related to total rainfall. Amer. Perfumer Cosmet. 81(2):39-40. Feb.1966. 308.8 Am3
- 34815 KHADR, F. H., and FREY, K. J. Recurrent irradiation for oat breeding. Radiat. Bot. 5(5):391-402. Ref. Nov.1965. 450 R11
- 34816 KHARE, P. Germination of spores within the sporangium of *Antrophium plantagineum* Kaluf. Cur. Sci. 34(22):647. Nov.20,1965. 475 Sci23
- 34817 KHRUSHCHEVA, E. P., and KREKNIN, N. YA. Some physiological and biochemical indices of leaves of plums with different grade of hardness. (Rus) Agrobiologiya 6(156):921-922. Nov./Dec.1965. 20 Ag822
- 34818 KIEV. INSTITUT FIZIOLOGII RASTENII. Trace elements in the life of plants, animals, and humans, edited by P. A. Vlasick. 47 p. (JPRS 31,616; TT 65-32111; CSO 11533-D) 386.2 K542Ae
Partial translation of *Mikroelementy v Zhizni Rastenii, Zhivotnykh i Cheloveka*. CFSTI: \$2.00.
- 34819 KLEIN, D. T. Effect of carbon and nitrogen nutrition on pleomorphism in *Trichophyton mentagrophytes*. Amer. J. Bot. 52(10):979-983. Ref. Nov./Dec.1965. 450 Am36
- 34820 KLIMASHEVSKII, E. L., KARPOV, E. A., and PISETSKAYA, N. F. Connection between action of different root systems of corn varieties and hybrids and their response to fertilizers. (Rus) Khim. Sel'skom Khoz. 1:4-8. Ref. Jan. 1965. 385 K524
- 34821 KNOBLOCH, I. W. Vernalization in some species of the genus *Cheilanthes*. Amer. Fern J. 55(3):113-116. July/Sept.1965. 450 Am35
- 34822 KNYSH, A. I. Biology of flowering and natural hybridization of winter hard wheat depending on geographical condition of growing place. (Rus) Agrobiologiya 6(156):856-858. Nov./Dec.1965. 20 Ag822
- 34823 KOBELEVA, E. White rust of corn cobs and its control. (Rus) Kolkhoz.-Sovkhoz. Proizv. Moldavi 10:50-51. Oct.1965. 20 Z45
Physiological disease.
- 34824 KOCHETOV, S. P. Hardiness depends on surface of leaves. (Rus) Sadovodstvo 1:16. Jan. 1966. 80 Sa13
Apples.
- 34825 KOHLER, K. H. Pigment formation in *Amaranthus caudatus* L. (Ge) Naturwissenschaften 52(20):561. Oct.15,1965. 474 N213
- 34826 KOK, B., and DATKO, E. A. Reducing power generated in the second photoact of photosynthesis. Plant Physiol. 40(6):1171-1177. Ref. Nov.1965. 450 P692
Of *Scenedesmus*.
- 34827 KOLLER, H. R., and CLARK, N. A. Effect of plant density and moisture supply on the forage quality of Sudangrass (*Sorghum sudanense* (Piper) Staph). Agron. J. 57(6):591-593. Nov./Dec. 1965. 4 Am34P
- 34828 KOLMARK, H. G., and SUTTON, H. C. Endogenous oxygen consumption by conidia of *Neurospora crassa*. Mutation Res. 2(3):236-241. June 1965. 443.8 M98
- 34829 KOLOMETS, R. I., and SEVOST'YANOV, S. P. Productivity of sugar beet monogerm in connection with biological peculiarities of yields. (Rus) Agrobiologiya 6(156):918-921. Nov./Dec.1965. 20 Ag822
Effects of germination and weight of seeds on productivity.

- 34830 KOLONTAEV, V. M. Pollinating capability of the pollen of Antonovka apple variety and its clones at the self-pollination and cross-pollination. (Rus) *Agrobiologiya* 4:623-626. Aug. 1965. 20 Ag822
- 34831 KONEV, A. D., and GERASIMOVA, T. A. Effect of some Triazine derivatives on weed and peas yields. (Rus) *Khim. Sel'skom Khoz.* 4: 46-48. Apr. 1965. 385 K524
Simazine, Atrazine and Prometryne.
- 34832 KOPEIKOVSKII, V. M., and KASHEVATSKAYA, L. A. Hydroscopic properties of seeds, embryos and hull of different soybean varieties. (Rus) *Maslozhirovaya Prom.* 12:4-8. Dec. 1965. 307.8 M37
Tensiometer used in research.
- 34833 KORONELLI, T. V., MEL'NIKOVA, S. G., and SAGITULLIN, R. S. Effect of adding of some chemical substances on metabolism of *Claviceps purpurea* culture (strain PRL-1980). (Rus) *Moscow. Univ. Vestnik.* Ser. 6, 6:23-28. Ref. Nov./Dec. 1965. 442.9 M854
- 34834 KOVES, E., and SIROKMAN, F. Effect of plant regulators on the incorporation of phosphorus-32 into the alcohol-soluble fractions of pea seedlings. *Nature [London]* 209(5021):420-421. Jan. 22, 1966. 472 N21
- 34835 KRAUSE, W. The growth of yeast in a synthetic medium with special reference to the influence of iron on protein synthesis. (Ge) *Arch. Mikrobiol.* 52(3):266-281. Ref. Oct. 25, 1965. 442.8 Ar26
- 34836 KRIKORIAN, A. DER. The synthetic potentialities of cultured plant cells and tissues. *Diss. Abs.* 26(6):2998. Dec. 1965. 241.8 M58
- 34837 KRIZEK, D. T., MCILRATH, W. J., and VERGARA, B. S. Photoperiodic induction of senescence in *Xanthium* plants. *Science* 151(3706): 95-96. Ref. Jan. 7, 1966. 470 Sci2
Xanthium orientale studied.
- 34838 KUMAR, H. D. Effects of certain toxic chemicals and mutagens on the growth of the blue-green alga *Anacystis nidulans*. *Can. J. Bot.* 43(12):1523-1532. Ref. Dec. 1965. 470 C16C
Includes growth inhibitory action.
- 34839 KUMAR, S. Physiological and biochemical studies of incompatibility in *Oenothera organensis*. *Diss. Abs.* 26(6):2989. Dec. 1965. 241.8 M58
- 34840 KUSANAGI, T., and OSAKI, M. Studies on the sprouting habits of seed potato in two season cropping. 2. Functions of seed tubers as separated to the buds and the tuber bodies with special reference to the varietal differences in sprouting habits and the response to the tuber treatments. (Ja) *Himeji. Chugoku Agr. Exp. Sta. Bull.* A, 10:21-49. Ref. Dec. 1964. 107.6 H572H
English summary.
- 34841 LANE, F. E. Dormancy and germination in fruits of the sunflower. *Diss. Abs.* 26(7):3603-3604. Jan. 1966. 241.8 M58
- 34842 LANE, H. C., CATHEY, H. M., and EVANS, L. T. The dependence of flowering in several long-day plants on the spectral composition of light extending the photoperiod. *Amer. J. Bot.* 52(10):1006-1014. Ref. Nov./Dec. 1965. 450 Am36
Includes plant flowering date.
- 34843 LARTER, E., and CHAUBEY, C. Use of exogenous growth substances in promoting pollen tube growth and fertilization in barley-rye crosses. *Can. J. Genet. Cytol.* 7(3):511-518. Ref. Sept. 1965. 443.8 C16
Use of gibberellic acid and indole-3-acetic acid.
- 34844 LAUNDE, H. M. Plant response to high temperatures. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:15-31. Ref. Oct. 1964. 64.9 Am3
Forage plants.
- 34845 LAWRENCE, W. J. C. Control of plant environment. *Rural Elec. Conf. [Proc.]* 1965:45-63. 335.9 R88
Research greenhouses.
Includes discussion.
- 34846 LEINWEBER, C. L. Forage plant physiology in the improvement of rangelands. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:108-120. Ref. Oct. 1964. 64.9 Am3
- 34847 LEVITT, J. Drought. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:57-66. Oct. 1964. 64.9 Am3
Effects of forage plants.
- 34848 LEYVRAZ, H., and SIMON, J. L. Yellowing of grapes in spring 1964. (Fr) *Agr. Romande (ser. A)* 4(5):38-40. May 1965. 17 Ag8
Mainly physiological.
- 34849 LINDBLOM, H. Storage temperature and germination characteristics of seed potatoes. (Sw) *Sveriges Potatisodlars Riksförbund. Potatis* 1965:38-40. 75.8 Sv2
- 34850 LINDENBEIN, W. Tetrazolium testing. *Int. Seed Testing Ass. Proc.* 30(1):89-97. Ref. 1965. 61.9 In84P
- 34851 LINDTNER, P. Beauty and characteristics of the flowering edible chestnut. (Cz) *Ziva* 13(2):47-49. Mar. 1965. 409.6 Z6
Chiefly pollination and fruit setting of *Castanea sativa*.
- 34852 LITHGOW, A. V. Report of the Tropical and Sub-tropical Seeds Working Group, appendix to the report of the Germination Committee. *Int. Seed Testing Ass. Proc.* 30(2):299-304. 1965. 61.9 In84P
On seed germination.
- 34853 LITVINENKO, A. I., and CHERVYAKOVA, P. A. Biological role of pollen quantity in development of fruit. (Rus) *Agrobiologiya* 6(156):865-868. Ref. Nov./Dec. 1965. 20 Ag822
Tomatoes.
- 34854 LOE, R. W. Inhibition of growth and nicotine production of tobacco by nicotinic acid analogs. *Diss. Abs.* 26(6):2998-2999. Dec. 1965. 241.8 M58
- 34855 LONGENECKER, D. E., THAXTON, E. L., and LYERLY, P. J. Salt tolerance of seed of six upland cotton varieties during germination as affected by salinity conditions during seed production. *Tex. Agr. Exp. Sta. Progr. Rep.* 2376, 6 p.-folder. Aug. 1965. 100 T31P
- 34856 LOPEZ, M. E., and FERGUS, C. L. The carbon and nitrogen nutrition of *Fusarium roseum*. *Mycologia* 57(6):897-903. Nov./Dec. 1965. 450 M99
- 34857 LORKH, A. G. Removing idleness of plants. (Rus) *Kartofel' Ovoshchi* 12:37-41. Dec. 1965. 75.8 K147
Study of potato physiology.
- 34858 LOVATO, A. Effect of wheat treatment with chlorocholine chloride (CCC). (It) *Agrochimica* 9(3):249-262. Ref. June 1965. 385 Ag84
English summary.
Control of lodging.
- 34859 LU, R. T. Y. Chlorophyll-sensitized photodecomposition of organic peroxides. *Diss. Abs.* 26(7):3651-3652. Jan. 1966. 241.8 M58
- 34860 MACHIA, B. M. The occurrence and nature of growth regulators and inhibitors in crabgrass. *Diss. Abs.* 26(6):2961. Dec. 1965. 241.8 M58
- 34861 MACIASR, F. M. Effect of pH of the medium on the availability of chelated iron for *Chlamydomonas mundana*. *J. Protozool.* 12(4):500-504. Ref. Nov. 1965. 439.8 J82
- 34862 MACKLON, A. E. S., and WEATHERLEY, P. E. Controlled environment studies of the nature and origins of water deficits in plants. *New Phytol.* 64(3):414-427. Oct. 1965. 450 N42
Ricinus communis.

- 34863 MANAFOV, S. A. Effect of petroleum growth substances and new types of petroleum fertilizers on yields of chickpeas growing on Dark-Chestnut soils. (Az) Akad. Nauk Azerb. SSR. Dok. 21(5):67-69. 1965. 511 Ak147D
Russian summary.
- 34864 MANASSE, R. J., and CORPE, W. A. Bacterial inhibition by two plant extracts. Torrey Bot. Club. Bull. 92(5):364-371. Ref. Sept./Oct.1965. 451 T63B
Agrobacterium tumefaciens by water extracts from tomato and tobacco
- 34865 MANSFIELD, T. A. Studies in stomatal behaviour. XII. Opening in high temperature in darkness. J. Expt. Bot. 16(49):721-731. Ref. Nov.1965. 450 J8224
Xanthium pennsylvanicum.
- 34866 MARCHAND, L. S., and MCLEAN, A. Observations on vegetative proliferation in Agropyron spicatum. Can. J. Bot. 43(12):1533-1537. Ref. Dec.1965. 470 C16C
Includes environmental and genetic factors.
- 34867 MARKIEWICZ, L. Influence of daylength and gibberellic acid on alkaloid yield of Vinca rosea. Acad. Polon. des Sci. B. Ser. des Sci. Biol. 13(8):475-478. 1965. 512 W262
- 34868 MARSH, H. V., GALMICHE, J. M., and GIBBS, M. Effect of light on the tricarboxylic acid cycle in Scenedesmus [obliquus]. Plant Physiol. 40(6):1013-1022. Ref. Nov.1965. 450 P692
- 34869 MARTIN, G. C., and LOPUSHINSKY, W. Effect of N-dimethyl amino-succinamic acid (B-995), a growth retardant, on drought tolerance. Nature [London] 209(5019):216-217. Jan.8,1966. 472 N21
- 34870 MATILE, P. Inositol deficiency resulting in death: an explanation of its occurrence in Neurospora crassa. Science 151(3706):86-88. Ref. Jan.7,1966. 470 Sci2
- 34871 MAYNARD, D. N., and BAKER, J. H. The influence of rubidium-potassium levels on growth and ion accumulation in tomato. Plant Soil 23(1):137-140. Aug.1965. 450 P696
Tests with radioactive elements.
- 34872 MAZEL', YU. YA., and CHISTOVA, E. D. Effects of temperature on assimilation of potassium by plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:301-308. Ref. 1965. 20 M857
Sunflowers and corn.
- 34873 MAZEL', YU. YA. Effect of univalent and bivalent ions on potassium absorption by separated root system of plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:295-299. Ref. 1965. 20 M857
Sunflowers and corn.
- 34874 MCCLOUD, D. E. Forage plant physiology in the improvement of pastures. Amer. Soc. Agron. ASA. Spec. Publ. 5:121-131. Ref. Oct. 1964. 64.9 Am3
- 34875 MCDONOUGH, W. T. Relief of radiation-induced dormancy in seeds of Phacelia tanacetifolia. Bot. Gaz. 126(3):163-166. Ref. Sept. 1965. 450 B652
Effects of gibberellic acid.
- 34876 MCONIE, K. C., and SNYDER, W. C. Production of perithecia by Gnomonia fruticola in culture. Phytopathology 56(2):197-202. Ref. Feb.1966. 464.8 P56
- 34877 MEADOR, D. B. Soluble proteins and other nitrogen fractions as related to cold hardiness in Chrysanthemum morifolium. Diss. Abs. 26(6):2962. Dec.1965. 241.8 M58
- 34878 MEDOKS, G. V., and KONDRAT'EVA, A. G. Effects of some organic and inorganic compounds on apple chlorosis. (Rus) Khim. Sel'skom Khoz. 3(8):32-34. Ref. Aug.1965. 385 K524
Caused by nutritional deficiency.
- 34879 MEINX, R. Influence of early reduction of leaf areas on the seed formation and yield of barley and wheat plants. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprüfung Jahrbuch 1964:81-90. 1965. 105.9 V675
- 34880 MEL'KONYAN, A. S. Development of new shoots from regenerated grape buds. (Rus) Vinodelie Vinogradarstvo SSSR 7:29-32. 1965. 95.8 V77
- 34881 MENGEL, K. Ernährung und Stoffwechsel der Pflanze [Nutrition and metabolism of plants]. Ed. 2, rev. Jena, Fischer, 1965. 378 p. Ref. QK881.M4
- 34882 MESSING, J. H. L. The effects of lime and superphosphate on manganese toxicity in steam sterilized soil. Plant Soil 23(1):1-16. Ref. Aug.1965. 450 P696
Lettuce.
- 34883 MICULKA, B. Pollination of raspberries. (Cz) Ziva 13(6):206-208. Nov.1965. 409.6 Z6
- 34884 MIKAILOV, M. A., and MIRZALIEV, D. D. Biology of germination of Glycyrrhiza glabra L. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(5):70-74. 1965. 511 Ak147D
- 34885 MIKHALEVA, V. V. The effect of denitrification bacteria on the growth of plants. (Rus) Agrobiologiya 4:587-593. Aug.1965. 20 Ag822
- 34886 MILICA, C., and BRAD, I. The effect of mineral fertilizers on sugar beet nutrition and the role of nitrogen, phosphorus and potassium in the accumulation of substances in sugar beets. (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:173-188. Ref. 1963, pub.1965. 64.9 R86
English summary.
- 34887 MILLER, P. R. The relationship of ozone to suppression of photosynthesis and to the cause of the chlorotic decline of ponderosa pine. Diss. Abs. 26(7):3574-3575. Jan.1966. 241.8 M58
- 34888 MILLER, S. R. The effect of two levels of nitrogen and potassium on the content of various phosphorus fractions found in greenhouse grown apple trees. Diss. Abs. 26(6):2962-2963. Dec. 1965. 241.8 M58
- 34889 MINAKOV, N. A. Resistance of some corn hybrids to herbicide 2,4-D. (Rus) Khim. Sel'skom Khoz. 3(10):58-59. Oct.1965. 385 K524
- 34890 MIZELL, L. Brief trials of a chemical growth retardant on southern pine seedlings. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:43-49. A99.9 F7693P
Includes discussion.
- 34891 MOGENSEN, H. L. A contribution to the embryogeny and developmental anatomy of the seedling in Quercus L. Diss. Abs. 26(6):3000-3001. Dec.1965. 241.8 M58
- 34892 MONTEITH, J. L., SZEICZ, G., and YABUKI, K. Crop photosynthesis and the flux of carbon dioxide below the canopy. J. Appl. Ecol. 1(2): 321-337. Ref. Nov.1964. 410 J828
Includes effects on yields in greenhouses and outdoors.
- 34893 MONTEITH, J. L., SZEICZ, G., and WAGGONER, P. E. The measurement and control of stomatal resistance in the field. J. Appl. Ecol. 2(2):345-355. Nov.1965. 410 J828
During transpiration.
- 34894 MOONEY, H. A., HILLIER, R. D., and BILLINGS, W. D. Transpiration rates of alpine plants in the Sierra Nevada of California. Amer. Midland Natur. 74(2):374-386. Oct.1965. 410 M58
- 34895 MORGAN, P. W., and GAUSMAN, H. W. Effects of ethylene on auxin transport. Plant Physiol. 41(1):45-52. Ref. Jan.1966. 450 P692
Indole-3-acetic acid-2-C¹⁴ and naphthalene-acetic acid-2-C¹⁴ in cotton and cowpea.

- 34896 MOSOLOVA, I. M., and others. O₂ absorption by chloroplasts under illumination in the presence of malonate. (Rus) Akad. Nauk SSSR. Dokl. 164(5):1179-1182. 1965. 511 P444A
R. M. Bekina, E. S. Mikhailova, N. M. Sisakian, joint authors.
Peas used in experiment.
- 34897 MOSS, B. Apical dominance in *Fucus vesiculosus*. New Phytol. 64(3):387-392. Oct.1965. 450 N42
Stimulatory and inhibitory growth substances.
- 34898 MOSS, N. Some aspects of microclimatology important in forage plant physiology. Amer. Soc. Agron. ASA. Spec. Publ. 5:1-14. Ref. Oct.1964. 64.9 Am3
- 34899 MOTORINA, M. V., and BELIKOV, P. S. Effects of physiological active substances on photosynthesis in beans. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:271-277. Ref. 1965. 20 M857
- 34900 MULKEY, J. R. The role of light quality, air temperature and relative humidity on transpirational water losses of cotton plants. Diss. Abs. 26(7):3571. Jan.1966. 241.8 M58
- 34901 MULLER, A., and LUMRY, R. The relation between prompt and delayed emission in photosynthesis. Nat. Acad. Sci. Proc. 54(6):1479-1485. Ref. Dec.1965. 500 N21P
Chlorella pyrenoidosa studied.
- 34902 MULLINS, M. G. Test-plants for investigations of the physiology of fruiting in *Vitis vinifera* L. Nature [London] 209(5021):419-420. Jan.22,1966. 472 N21
- 34903 MUNSTER, J. Consequences of late 1965 planting for potato plant production. (Fr) Agr. Romande (ser.A)4(6):41-43. June 1965. 17 Ag8
Influence of photoperiodism, night temperature, and age of tubercle.
- 34904 MUNSTER, J. Method of presprouting of tubers. (Fr) Agr. Romande (ser.A)4(11):83. Nov.1965. 17 Ag8
In potatoes.
- 34905 MURDOCK, L. W., and RICH, C. I. Potassium availability in Nason soil as influenced by ammonium and lime. Soil Sci. Soc. Amer. Proc. 29(6):707-711. Ref. Nov./Dec.1965. 56.9 So3
Potassium uptake by oats.
- 34906 MUSCATINE, L., and LENHOFF, H. M. Symbiosis of *Hydra* and algae. II. Effects of limited food and starvation on growth of symbiotic and aposymbiotic *Hydra*. Biol. Bull. 129(2):316-328. Ref. Oct.1965. 442.8 B52
- 34907 MUTAFYAN, E. M. Embryological study of the process of fruit setting of peppers under various conditions of pollination. (Arm) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(1):55-61. Ref. Jan.1965. 20 Er4
Russian summary.
- 34908 MYTTENAERE, C., and others. Radiosensitivity of rice seed in relation to water content and free radicals. Radiat. Bot. 5(5):443-451. Ref. Nov.1965. 450 R11
P. Bourdeau, G. Helcke, and M. Masset, joint authors.
X-ray irradiation.
- 34909 NAGARAJAH, S., and PETHIYAGODA, U. The influence of "lungs" on carbohydrate reserves and growth of shoots. Ceylon. Tea Res. Inst. Tea Quart. 36(3):88-102. Sept.1965. 68.18 C33
- 34910 NAGL, K. Possibilities of stimulation by rays. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:163-171. Ref. 1965. 105.9 V675
Plant physiology.
- 34911 NAKATA, S. Comparative effect of supplementary red and far-red radiation on the growth of pinto bean seedlings, *Phaseolus vulgaris* L. Diss. Abs. 26(6):3001-3002. Dec.1965. 241.8 M58
- 34912 NAKAYAMA, K. Physiology and genetics of pigment development in apples. (Ja) Biol. Sci. 17(2):64-68. Ref. Sept.1965. 442.8 B5264
- 34913 EL-NAKEEB, M. A., and LAMPEN, J. O. Uptake of ³H-griseofulvin by micro-organisms and its correlation with sensitivity to griseofulvin. J. Gen. Microbiol. 39(2):285-293. Ref. May 1965. 448.3 J823
Includes fungi.
- 34914 NANDA, K. K., and PUROHIT, A. N. Effect of gibberellin on mobilization of reserve food and its co-relation with extension growth. Planta 66(2):121-125. 1965. 450 P693
Salmalia malabarica, forest tree.
- 34915 NEIRINCKX, L. Cationic interactions in the absorption of calcium by red beetroot slices. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):1085-1103. 1965. 105.1 G344
English summary.
- 34916 NEWTON, P. Growth of *Cucumis sativus*, variety Butcher's Disease Resister, with two concentrations of carbon dioxide. Ann. Appl. Biol. 56(1):55-64. Ref. Aug.1965. 442.8 An72
In greenhouse.
- 34917 NICHIPOROVICH, A. A. On ways for increasing photosynthetic productivity of field crops. 2. (Ja) Biol. Sci. 17(2):69-76. Ref. Sept. 1965. 442.8 B5264
- 34918 NIELSEN, K. F., and HUMPHRIES, E. C. Effects of root temperature on plant growth. Soils Fert. 29(1):1-7. Ref. Feb.1966. 241 Im7Sf
Literature review.
- 34919 NIELSEN, P. T. The uptake of chloride ions by *Chlorella pyrenoidosa* with special emphasis on photoaccumulation. Diss. Abs. 26(7):3604-3605. Jan.1966. 241.8 M58
- 34920 NISHIO, S. Studies on nutritive physiology and leaf amounts and their relations to growth of *Acacia mollissima*. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:9-35. Ref. Mar.1963. 99.9 F95
English summary.
- 34921 NOSBERGER, J., and HUMPHRIES, E. C. The influence of removing tubers on dry-matter production and net assimilation rate of potato plants. Ann. Bot. (n.s.)29(116):579-588. Ref. Oct.1965. 450 An7
Plant nutrition.
- 34922 NOVAK, J., and VALEK, L. Attempt at demonstrating the effect of a weak magnetic field on *Taraxacum officinale*. Biol. Plant. 7(6):469-471. 1965. 450 B52
At flowering date.
- 34923 NUTTONSON, M. Y. Rice culture and rice-climate relationships with special reference to the United States rice areas and their latitudinal and thermal analogues in other countries; a study of the use of phenology in ascertaining the temperature and daylength requirements of rice based largely on data of the continental United States and other non-tropical rice-growing regions of the world. Washington, Amer. Inst. Crop Ecol., 1965. 555 p. Ref., p.548-554. S600.N8
Conducted in cooperation with the United States Weather Bureau, under MU-66-1.
- 34924 OAKS, A. Transport of amino acids to the maize root. Plant Physiol. 41(1):173-180. Ref. Jan.1966. 450 P692
Incorporation of C¹⁴.
- 34925 OCKERSE, R., SIEGEL, B. Z., and GALSTON, A. W. Hormone-induced repression of a peroxidase isozyme in plant tissue. Science 151 (3709):452-453. Ref. Jan.28,1966. 470 Sci2
Peas studied.
- 34926 ODOM, R. E. The relationship between endogenous indole auxins and the rooting of several species of herbaceous and woody cuttings. Diss. Abs. 26(6):2963. Dec.1965. 241.8 M58

- 34927 OLSHANSKAYA, B., and RACHINSKII, V. V. Absorption of urea by plant roots. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:309-314. 1965. 20 M857
Corn.
- 34928 ONORATI, I. A., and WELKERLING DE TACCHINI, E. M. L. New pollinizer for Bing cherries. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 212:59-61. Aug.1965. 9 Id3
Varietal tests.
- 34929 OPIK, H. Respiration rate, mitochondrial activity and mitochondrial structure in the cotyledons of *Phaseolus vulgaris* L. during germination. J. Expt. Bot. 16(49):667-682. Ref. Nov.1965. 450 J8224
- 34930 ORTH, G. M., TOLBERT, N. E., and JIMENEZ, E. Rate of glycolate formation during photosynthesis at high pH. Plant Physiol. 41(1):143-147. Ref. Jan.1966. 450 P692
Chlamydomonas reinhardi and *Chlorella pyrenoidosa*; carbon dioxide fixation with radioactive carbon.
- 34931 OSBORNE, D. J. Interactions of hormonal substances in the growth and development of plants. J. Sci. Food Agr. 16(1):1-13. Ref. Jan. 1965. 382 S012
- 34932 OSTROWSKI, J., and SZYMURA, W. Cucumber root inhibition test for evaluation of biological activity of herbicides. (Pol) In Poznan. Instytut Ochrony Roslin. Materiały do metodyki badan biologicznej oceny srodkow ocarony roslin, p.2,p.59-63. 1964. 464.4 P87M
Growing cucumber seedlings in vitro with herbicides in the medium.
- 34933 O'TOOLE, M. A. Residual effects of paraquat on peat soil. Irish J. Agr. Res. 4(2):231-233. Oct.1965. 10.5 Ir45
Effects on perennial ryegrass.
- 34934 PACKER, L., and SIEGENTHALER, P. A. Light-dependent volume changes and reactions in chloroplasts. II. Action of anions. Plant Physiol. 40(6):1080-1085. Ref. Nov.1965. 450 P692
Spinach chloroplasts.
- 34935 PAGE, R. M., and CURRY, G. M. Studies on phototropism of young sporangiophores of *Pilobolus kleinii*. Photochem. Photobiol. 5(1): 31-40. Ref. Jan.1966. 382 P56
- 34936 PAL, N. L., and OJHA, R. J. Tobacco seedlings: damage by excessive nitrogen lessened by added phosphorus. Science 151(3706):106. Jan.7,1966. 470 Sci2
- 34937 PARIS, Y. Study of Brussels chicory reproduction. (Fr) Ann. Gembloux 71(2):159-167. Second Q. 1965. 13 G28
Witloof.
- 34938 PASCALE, A. J., REMUSSI, C., and MARZO, L. Reaction of distinct varieties of soybeans to bioclimatic factors of Buenos Aires. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15 (3):29-54. Ref. 1963,pub.1965. 9 B863
English summary.
- 34939 PAUL, J. L. Influence of soil moisture on chloride uptake by wheat seedlings at low rates of transpiration. Agrochimica 9(4):368-379. Ref. Sept.1965. 385 Ag84
- 34940 PAULSEN, G. M. Responses of smooth bromegrass to time of cutting, nitrogen fertilization, and shading as measured by yields, organic reserves, and bud activity. Diss. Abs. 26(7):3571-3572. Jan.1966. 241.8 M58
- 34941 PEDERSEN, P. E. Zinc, an overlooked nutrient. Agr. Chem. 21(1):26-29,96-97. Jan.1966. 381 Ag8
For plants.
- 34942 PENKOV, M. D. Distribution of root system of grapes in soils of southern Bulgaria. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:78-86. Ref. Jan./Feb.1965. 442.9 M854
- 34943 PENNINGSFELD, F., and HEUSSLER, A. Copper, molybdenum, and boron requirements of summer flowers in the young plant stage. (Ge) Weihesteph. Staatl. Lehr- Forschungsanst. Gartenbau. Jahresber. 1964/65:46-64. 1965. 105.8 W425
- 34944 PENNY, D., and STOWE, B. B. Relationship between the growth and respiration induced by lipids in pea stem sections. Plant Physiol. 40 (6):1140-1145. Ref. Nov.1965. 450 P692
- 34945 PETERSBURGSKII, A. V., and KARAMETE, K. I. Effects of petroleum growth substances on assimilation of nutritional ions taken from solution and absorbents by corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:147-152. 1965. 20 M857
- 34946 PETERSBURGSKII, A. V., and KARAMETE, K. The influence of petroleum growth substances on the nutrient uptake, chemical composition, and yield of corn. (Ge) Agrochimica 9(4):313-322. Sept.1965. 385 Ag84
English summary.
- 34947 PETERSBURGSKII, A. V. On the role of nitrogen in modern agriculture; on centenary of D. N. Pryanishnikov's birth. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:82-86. 1965. 20 M57
Plant nutrition and fertilizers.
- 34948 PETROCZI, I. Role played by deleterious abiotic factors in degeneration of potatoes. (Hu) Kiserletugyi Kozlemenyek 57/A(3):53-66. Ref. 1964,pub.1965. 105.9 H89
English summary.
Study of effect of soil temperature and combined action of temperature and deficiency of precipitation.
- 34949 PETROSYAN, A. A. Biological aspects of flowering and pollination of the Persian walnut and the problem of the formation of Russian variety of it. (Rus) Agrobiologiya 4:569-571. Aug.1965. 20 Ag822
- 34950 PETROV, D. F., and LIZNEV, V. N. Use of X-rays and neutrons for improvement of hybrid apple varieties. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2:84-96. Ref. 1964. 451 N853
Chiefly effect on hardiness.
- 34951 PETROV, M. P. Effect of sand temperature in Kara-Kum Desert on development of vegetation. (Rus) Leningr. Univ. Vestnik Ser. Geol. Geogr. 4:89-98. 1965. 403 L54
English summary.
- 34952 PFAFF, C. Research on the influence of wheat fertilizing on quality. (Ge) Getreide Mehl 16 (1):1-2. Jan.1966. 298.8 G332
- 34953 PHILLIPS, W. M., and ROSS, W. M. Effects of propazine and atrazine on ten hybrid grain sorghums, *Sorghum vulgare* Pers. Agron. J. 57(6): 624-625. Nov./Dec.1965. 4 Am34P
- 34954 PICARD, J., and BERTHAUT, J. Lack of fertility in the autotetraploidic purple clover. (Fr) Ann. Amelior. Plantes 15(3):327-332. 1965. 14 F8499A
Pollination.
- 34955 PICKETT, J. M., and MYERS, J. Monochromatic light saturation curves for photosynthesis in *Chlorella*. Plant Physiol. 41(1):90-98. Ref. Jan.1966. 450 P692
Chlorella pyrenoidosa.
- 34956 PIERPOINT, W. S., and LATIES, G. G. Effect of chloral hydrate and acetaldehyde on mitochondrial preparations from sweet potato. Plant Physiol. 41(1):105-110. Ref. Jan.1966. 450 P692
- 34957 PLESHKOV, B. P., and VIL'YAMS, M. V. Contents and formation of amino acids under different condition of phosphorus nutrition by plants and the role of arginine in it. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:263-269. Ref. 1965. 20 M857
Beans used for experiment.

- 34958 POLEVOI, V. V., KOBYL'SKII, G. I., and VOZILOVA, L. D. Effect of auxins on the synthesis of nucleic acids in segments of corn coleoptiles. (Rus) Akad. Nauk SSSR. Dok. 165(3):708-710. Ref. 1965. 511 P444A
- 34959 POLYA, L. New data on the plant physiological role of flavonoids. (Literature survey). (Hu) Debrecen. Tudegyetem. Acta (ser.2)2:85-102. Ref. 1963, pub. 1964. 510 D35
German summary.
- 34960 POOLE, R. J. The influence of the intracellular potential on potassium uptake by beetroot tissue. J. Gen. Physiol. 49(3):551-563. Ref. Jan. 1966. 447.8 J822
- 34961 POPOV, YU. G. When to take out seeds from fruit? (Rus) Sadovodstvo 12:28. Dec. 1965. 80 Sa13
Effects of extraction date on germination.
- 34962 POTAPOV, N. G., and SALAMATOVA, T. S. The effect of aeration conditions on the oxidizing properties of cells and cell fractions of the growing parts of lupine roots. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:33-41. Ref. Jan./Feb. 1965. 442.9 M854
- 34963 POWELSON, R. L., and PYOTT, J. A silica gel diffusion technique for determining fungal germination and growth responses to nutrients. Phytopathology 56(2):248-249. Feb. 1966. 464.8 P56
- 34964 POZSAR, B. I. Effect of molybdenum on the synthesis of nucleic acid in soybean leaves. Acta Agron. [Budapest] 15(3/4):301-308. Ref. 1965. 19 Ac8
- 34965 POZUELO, M. R. E., and GROSSENBACHER, K. A. Uptake of insoluble iron by sterile and nonsterile alfalfa plants. Agrochimica 9(4):361-367. Sept. 1965. 385 Ag84
- 34966 PRAT, S. Effect of humic acids on metabolism of plants. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:26-32. Jan./Feb. 1965. 442.9 M854
- 34967 PRICE, C. A., and QUIGLEY, J. W. A method for determining quantitative zinc requirements for growth. Soil Sci. 101(1):11-16. Ref. Jan. 1966. 56.8 So3
Euglena.
- 34968 PRICE, C. A., and BROWN, D. H. Zonal centrifuge analysis of a transformation in Ustilago [sphaerogena] controlled by zinc. Plant Physiol. 40(6):1278-1282. Ref. Nov. 1965. 450 P692
- 34969 PRIMAVESI, A. Wheat yields in relation to soil structure and root development. (Ge) Bodenkultur 16(1/2):50-58. Feb./May 1965. 19 B635
English summary.
- 34970 PRUGAR, J., and BOHMOVA, J. Fast methods of the determination of the content of nitrogen in plants. I. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):307-316. Ref. Mar. 1965. 64.9 C33
German summary.
- 34971 PUEYO, G. The influence of external conditions on glucide metabolism of two Stictaceae. (Fr) Biarritz. Cent. Etud. Rech. Sci. Bull. 5 (2):153-196. 2d Semes. 1964. Ref. 410.9 B47
Humidity, cold and light effects on Ricasolia herbacea and Lobaria pulmonaria.
- 34972 PUNNETT, T. Influence of growth conditions on the enhancement of photophosphorylation by carbon dioxide. Plant Physiol. 40(6):1283-1284. Nov. 1965. 450 P692
In Avena sativa; greenhouse culture.
- 34973 RAJKI, S. Environmental influence and selection. Acta Agron. [Budapest] 15(3/4):373-378. 1965. 19 Ac8
In relation to genetic conversion of wheat.
- 34974 RAM, H. Y. M., and KAMINI, L. Studies on the germination of Withania somnifera seeds. Phytomorphology 15(1):31-36. Ref. Mar. 1965. 450 P566
- 34975 RANGNEKAR, P. V. The effects of calcium deficiency on the metabolism of tomato leaf tissue. Diss. Abs. 26(6):3002-3003. Dec. 1965. 241.8 M58
- 34976 RAO, K. K. P., and SANANDACHARY, A. A new method for determining drought resistance in sugarcane varieties. Andhra Agr. J. 11(5):200-204. Ref. 1964. 34.2 An4
- 34977 RAO, P. K. M. Biological effects of multiple treatments with radiation and diethyl sulfate on barley. Diss. Abs. 26(6):2991-2992. Dec. 1965. 241.8 M58
- 34978 RAO, P. K. M., and others. The influence of hydrogen ion concentration on radiation-induced damage in barley. Radiat. Bot. 5(6):455-463. Ref. Dec. 1965. 450 R11
C. F. Konzak, R. A. Nilan, and S. S. Dhesi, joint authors.
Gamma-irradiation.
- 34979 REBOUR, H. Study on the rooting of fruit trees. (Fr) Rev. Agr. France 39:8-9. Apr. 1965. 14 R326
- 34980 REES, A. R. Dry-matter production by field-grown Tulips. J. Hort. Sci. 41(1):19-30. Ref. Jan. 1966. 80 J825
Includes varieties.
- 34981 REINHOLD, L., and GLINKA, Z. Reduction in turgor pressure as a result of extremely brief exposure to CO₂. Plant Physiol. 41(1):39-44. Ref. Jan. 1966. 450 P692
Sunflowers.
- 34982 REITH, J. W. S. Mineral composition of crops. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:150-156. Ref. Summer 1965. 241 G796
As affected by mineral fertilization.
- 34983 RIJKS, D. A. The use of water by cotton crops in Abyan, South Arabia. J. Appl. Ecol. 2(2):317-343. Ref. Nov. 1965. 410 J828
- 34984 ROBERTS, S., and KOEHLER, F. E. Sulfur dioxide as a source of sulfur for wheat. Soil Sci. Soc. Amer. Proc. 29(6):696-698. Ref. Nov./Dec. 1965. 56.9 So3
- 34985 RODERBOURG, J. The use of Rb⁸⁶ as tracer of K in the study of the mineral nutrition of plants. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):1055-1065. 1965. 105.1 G344
English summary.
- 34986 ROSAS, G. S. Effects of 2,4 DB on soybean fertility. (Sp) Turrialba 15(4):258-360. Oct./Dec. 1965. 8 T86
- 34987 ROSSETTI, V., and others. Studies on zonate chlorosis of citrus in Brazil. (Por) Sao Paulo. Inst. Biol. Arq. 32(3):111-125. Ref. July/Sept. 1965. 442.9 Sa6
J. T. Nakadaira, R. Calza, and C. A. B. Miranda, joint authors.
English summary.
- 34988 ROUX, E. R. Salt tolerance in four invasive exotic Acacias of the Cape Peninsula. So. African J. Sci. 61(2):438. Dec. 1965. 515 So84
- 34989 RUBIA, A. C. Rooting of plant slips by plant hormones. (Por) Rev. Agr. [Piracicaba] 40 (4):153-159. Dec. 1965. 9.2 R324
- 34990 RUTHERFORD, P. P., and JACKSON, A. A. The influence of cold on the breakdown of oligosaccharides of fructose in the roots of Brussels chicory and its effect on the production of the shoots. (Fr) Ann. Gembloux 71(2):187-196. Second Q. 1965. 13 G28
- 34991 RYCZKOWSKI, M. The pH of the sap surrounding the embryo in the developing ovules. Acad. Polon. des Sci. B. Ser. des Sci. Biol. 13(8):479-483. Ref. 1965. 512 W262
- 34992 RYUB, V. K. Cold storage of spring wheat plants grown in early fall. (Rus) Agrobiologiya 6(156):917-918. Nov./Dec. 1965. 20 Ag822
Experiments with pot-grown wheat.

- 34993 RZHANOVA, E. I., AKHUNDOVA, V. A., and PETUKHOVA, V. V. The role of reserve nutrients in seed for the development of some beans. (Rus) *Agrobiologiya* 4:501-507. Aug. 1965. 20 Ag822
- 34994 SAAKOV, V. S. The metabolism of violaxanthine- C^{14} in the leaf, and its role in photosynthetic reactions. (Rus) *Akad. Nauk SSSR, Dok.* 165(1):230-233. Ref. 1965. 511 P444A
Hydrangea and currants used in research.
- 34995 SACHER, J. A. The regulation of sugar uptake and accumulation in bean pod tissue. *Plant Physiol.* 41(1):181-189. Ref. Jan. 1966. 450 P692
- 34996 SAKAMOTO, C. M. Light relationships in field soybean communities. *Diss. Abs.* 26(6):2945. Dec. 1965. 241.8 M58
- 34997 SALCHEVA, G., and VASILEVA, M. Preservation of spring oats and spring peas under cold in artificial conditions. (Rus) *Agrobiologiya* 5:764-765. Sept./Oct. 1965. 20 Ag822
Laboratory experiments on hardiness.
- 34998 SALIM, M. H., TODD, G. W., and SCHLEHUBER, A. M. Root development of wheat, oats, and barley under conditions of soil moisture stress. *Agron. J.* 57(6):603-607. Nov./Dec. 1965. 4 Am34P
- 34999 SALIM, M. H., and TODD, G. W. Transpiration patterns of wheat, barley and oat seedlings under varying conditions of soil moisture. *Agron. J.* 57(6):593-596. Ref. Nov./Dec. 1965. 4 Am34P
- 35000 SALISBURY, E. The reproduction of *Cardamine pratensis* L. and *Cardamine palustris* Peterman particularly in relation to their specialized foliar vivipary, and its deflexion of the constraints of natural selection. *Roy. Soc. Proc. Ser. B, Biol. Sci.* 163(992):321-342. Ref. Nov. 23, 1965. 501 L84B
- 35001 SAMUELS, G., and CIBES-VILADE, H. Mineral-deficiency symptoms of bananas. *Caribbean Food Crops Soc. Proc.*, 2d Annu. Meeting: 67-72. 1964. 64.9 C19
- 35002 SANDMEIER, M., and NITSCH, J. P. Photobiology of oat mesocotyl. II. Stimulation of elongation by far-red light in the presence of various gibberellins. (Fr) *Photochem. Photobiol.* 5(1):75-81. Jan. 1966. 382 P56
English summary.
- 35003 SANDOIU, D., and others. The water requirements of potatoes by growing stages. (Rum) *Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete* 31:213-236. Ref. 1963, pub. 1965. 64.9 R86
M. Berindei, V. Steroiu, and R. Marinescu, joint authors.
English summary.
- 35004 SANFORD, J. O., and others. Influence of male-sterility on nitrogen utilization in corn, *Zea mays* L. *Agron. J.* 57(6):580-583. Nov./Dec. 1965. 4 Am34P
C. O. Grogan, H. V. Jordan, and P. A. Sarvela, joint authors.
- 35005 SANFOURCHE, G. The pollination of varieties of sweet cherry ("*Prunus avium*"). (Fr) *Ann. Amelior. Plantes* 15(2):223-235. Ref. 1965. 14 F8499A
English summary.
- 35006 SANKHLA, N., BAXI, D., and CHATTERJI, U. N. Eco-physiological studies on arid zone plants. I. Phytotoxic effects of aqueous extract of mesquite, *Prosopis juliflora* DC. *Cur. Sci.* 34(21):612-614. Nov. 5, 1965. 475 Sci23
Germination inhibitors on plants tested.
- 35007 SAPANKEVICH, P. V., MAKSIMOVA, N. A., and KHOMENKO, B. P. Effects of extract from roots of *Cynodon dactylon* on germination of some field crops and the growth of their small roots. (Rus) *Agrobiologiya* 6(156):915-916. Nov./Dec. 1965. 20 Ag822
- 35008 SARIC, M., CUPINA, T., and GERIC, I. Uptake and distribution of C^{14} in free amino acids in young maize plants in dependence on mineral nutrition. *Ghent. Landbouwhogeschool. Mededel.* 30(2):1045-1053. 1965. 105.1 G344
- 35009 SATO, H., TAKAHASHI, K., and KIKUCHI, G. Inhibition studies of photophosphorylation by *Rhodospirillum rubrum* chromatophores with particular concerns to antimycin-resistant photophosphorylation in the presence of artificial electron carriers. *Biochim. Biophys. Acta* 112(1):8-18. Ref. Jan. 4, 1966. 381 B522
- 35010 SAUNDERS, P. F., JENNER, C. F., and BLACKMAN, G. E. The uptake of growth substances. IV. Influence of species and chemical structure on the pattern of uptake of substituted phenoxyacetic acids by stem tissues. *J. Expt. Bot.* 16(49):683-696. Nov. 1965. 450 J8224
Field crops.
- 35011 SAUNDERS, P. F., JENNER, C. F., and BLACKMAN, G. E. The uptake of growth substances. V. Variation in the uptake of a series of chlorinated phenoxyacetic acids by stem tissues of *Gossypium hirsutum* and its relationship to differences in auxin activity. *J. Expt. Bot.* 16(49):697-713. Nov. 1965. 450 J8224
- 35012 SAURE, M. Do stunted fruit trees have poorer seeds? (Ge) *Obstbauversuchsrings Alten Landes. Mitt.* 20(6):233-234. June 1965. 85 J76
Germination tests with apples.
- 35013 SAYERS, E. R. Some morphological factors controlling seed-set in selected clones of *Medicago sativa*, cultivar Narragansett. *Diss. Abs.* 26(6):3003-3004. Dec. 1965. 241.8 M58
- 35014 SCHLESINGER, J. S. CEP, Controlled Environmental Production of Food & Fiber. *Cereal Sci. Today* 10(7):374,384,390. July 1965. 59.8 C333
- 35015 SCHMIDT, H. H. Report of the Working Group on Seed Germination (Germination Committee) 1962-1965. (Ge) *Int. Seed Testing Ass. Proc.* 30(2):251-298. 1965. 61.9 In84P
Of the International Seed Testing Association.
- 35016 SCHWEMMLE, J., and SCHNEIDER, W. The influence of the "Rinnigkeit" [canaliculation] factor on seed germination. (Ge) *Deut. Bot. Gesell. Ber.* 78(2):53-57. 1965. 451 D48
Hybrids of *Oenothera berteriana* and *O. odorata*.
- 35017 SCIFRES, C. J., and SANTELMANN, P. W. Response of cotton and sorghum to post-emergence applications of paraquat. *Weeds* 14(1):86-87. Ref. Jan. 1966. 79.8 W41
- 35018 SEBANEK, J. Interaction of the exogenous kinin in correlation with cotyledons and axillary buds of germinating peas. (Ge) *Brno. Vysoka Sk. Zemedel. Sb. Rada A, Spisy Fak. Agron* 3:363-370. 1965. 105.92 B833
French summary.
- 35019 SELJAHUDIN, A., and BROZIK, S. Conditions of fertilization in berry-producing varieties. I. General part. *Acta Agron. [Budapest]* 15(3/4):253-260. Ref. 1965. 19 Ac8
Includes factors influencing fertilization.
- 35020 SEREBRYAKOVA, T. I. The life-forms of forest and meadow loose-tufted grasses and probable trends of their evolution. (Rus) *Moskov. Obsch. Isp. Prirody. B. Otd. Biol.* 70(6):60-79. Ref. Nov./Dec. 1965. 511 M85
English summary.
Morphological studies.
- 35021 SETH, A. K., DAVIES, C. R., and WAREING, P. F. Auxin effects on the mobility of kinetin in the plant. *Science* 151(3710):587-588. Feb. 4, 1966. 470 Sci2
Beans studied.
- 35022 EL-SHARKAWY, M. A. S. Factors limiting photosynthetic rates of different plant species. *Diss. Abs.* 26(6):2995. Dec. 1965. 241.8 M58

- 35023 SHATILOV, I. S. Contents of nutritional mineral elements in two year old red clover. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:197-204. 1965. 20 M857
- 35024 SHCHEPOTIEV, F. L., and LEBEDINETS, L. N. Effect produced by gibberellins on the germinating power of the seed of *Carya olivaeformis* Nutt. (Rus) Akad. Nauk SSSR. Dok. 164(3):701-704. 1965. 511 P444A
- 35025 SHEN-MILLER, J., and GORDON, S. A. Hormonal relations in the phototropic response. III. The movement of C¹⁴-labeled and endogenous indoleacetic acid in phototropically stimulated *Zea coleoptiles*. Plant Physiol. 41(1):59-65. Ref. Jan.1966. 450 P692
- 35026 SHERSTNEV, E. A., and RAZUMOVA, M. V. The effect of boron deficiency on the ribonuclease activity in young leaves of sunflower plants. Agrochimica 9(4):348-350. Sept.1965. 385 Ag84
- 35027 SHIGA, H., and SUZUKI, S. Studies on the behavior of hydrogen sulfide in water-logged soils. 8. Influence of free hydrogen sulfide produced in soils on the growth of rice plants. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:113-130. Ref. Dec.1964. 107.6 H572H English summary.
- 35028 SHIL'NIKOVA, V. K. Effect of bacteria on free amino acids in pea plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:337-340. 1965. 20 M857 Rhizobium.
- 35029 SHIMABUKURO, R. H. Studies on the effect of atrazine on oat (*Avena sativa* (L.) var. Minhafner). I-II. Diss. Abs. 26(5):2397-2398. Nov. 1965. 241.8 M58
- 35030 SHIROKOKOZHUKHOVA, M. P. Viability of summer harvested potatoes during storage. (Rus) Agrobiologiya 4:538-542. Aug.1965. 20 Ag822 Seed.
- 35031 SHISHKOV, K. N., and SHISHKOV, L. L. Water consumption by cabbage grown on peat soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:291-294. 1965. 20 M857
- 35032 SHKOL'NIK, M. J., BOZHENKO, V. P., and MOMOT, T. S. Increase in heat resistance of wheat sprouts by treating the seeds with solutions of aluminium and cobalt salts. (Rus) Akad. Nauk SSSR. Dokl. 165(6):1447-1449. Ref. 1965. 511 P444A
- 35033 SHLEIFER, S. V., and KUPERMAN, F. M. Effect of spectral composition and intensity of light on development of proso depending on the duration of photoperiod. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:33-42. Ref. Nov./Dec.1965. 442.9 M854
- 35034 SHUKUROV, M. G. Effect of soil cultivation on germination. (Rus) Zemledelie 12:32-33. Dec.1965. 20 Z44 Wheat.
- 35035 SIDOROVA, I. I. Mycoparasitism in the fungi of the genus *Trichothecium* Link. (Rus) Moscow. U. Vest. Ser. 6, 4:48-56. Ref. July/Aug.1964. 442.9 M854 *Trichothecium roseum* and *T. plasmoparae*.
- 35036 SILSBURY, J. H. Interrelations in the growth and development of *Lolium*. I. Some effects of vernalization on growth and development. Australian J. Agr. Res. 16(6):903-913. Ref. Nov.1965. 23 Au783 *Lolium perenne* and *L. rigidum*.
- 35037 SIMMONDS, N. W. Attempted graft transmission of potato-tuber dormancy. Europe. Potato J. 8(4):197-199. Dec.1965. 75.8 Eu7
- 35038 SIMON, E. W., and MEANY, A. Utilization of reserves in germinating *Phaseolus [vulgaris]* seeds. Plant Physiol. 40(6):1136-1139. Nov. 1965. 450 P692
- 35039 SIMONS, R. K. The origin of russetting in russet sports of the "Golden Delicious" apple. Hort. Res. 5(2):101-106. Ref. Nov.1965. 80 H7892 Growth disturbances.
- 35040 SINGH, D. J. C. Mode of action on simazine in wheat and sunflower. Diss. Abs. 26(6):3004. Dec.1965. 241.8 M58
- 35041 SINGH, R., and ALDERFER, R. B. Effects of soil-moisture stress at different periods of growth of some vegetable crops. Soil Sci. 101(1):69-80. Ref. Jan.1966. 56.8 So3
- 35042 SKADCHENKO, N. M. Effect of potassium phosphate and lime on accumulation of strontium⁹⁰ by plants depending on the stable strontium content in soil. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:57-62. Ref. Sept./Oct.1964. 442.9 M854 Oats.
- 35043 SKENE, D. S. Cracking and russetting in apple fruits. East Malling Res. Sta. Annu. Rpt. 52:99-101. 1964, pub. 1965. 103 Ea7 Caused by abnormalities in the growth of the fruit.
- 35044 SLADE, J. S. Physical factors influencing seta elongation in *Pellia epiphylla*. Bryologist 68(4):440-445. Winter 1965. 450 B84 Temperature and soil water tension.
- 35045 SLATYER, R. O., and JARVIS, P. G. Gaseous-diffusion porometer for continuous measurement of diffusive resistance of leaves. Science 151(3710):574-576. Ref. Feb.4, 1966. 470 Sci2
- 35046 SMETANKOVA, M. Relation of mineral composition and the dry matter yield of the above-ground part of *Panicum miliaceum* L. in pot experiments. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyriba 38(9):909-926. Ref. Sept. 1965. 64.9 C33 English summary.
- 35047 SMITH, C. B. Nutrient-element interrelationships vital in vegetable production. Sci. Farmer [Penn. Sta.] 13(2):10. Winter 1966. 100 P381S Problem of imbalance through use of improper quantities or ratios of fertilizers.
- 35048 SPRUIT, C. J. P. Photoreversible pigment transformations in etiolated plants. Biochim. Biophys. Acta 112(1):186-188. Jan.4, 1966. 381 B522 Experiments with peas.
- 35049 STAPLES, R. C., and WYNN, W. K. The physiology of uredospores of the rust fungi. Bot. Rev. 31(4):537-564. Ref. Oct./Dec.1965. 450 B6527
- 35050 STEINBERGER, J. The development of the vegetation cone one of summer wheat varieties. (preliminary report). (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:43-49. 1965. 105.9 V675
- 35051 STEINECK, O. Plant culture in nutrient solutions. (Ge) Bodenkultur 16(1/2):18-24. Feb./May 1965. 19 B635 English summary.
- 35052 STERN, W. R. Evapotranspiration of safflower at three densities of sowing. Australian J. Agr. Res. 16(6):961-971. Ref. Nov.1965. 23 Au783
- 35053 STEWARD, F. C., and LYNDON, R. F. Growth, protein metabolism and solute uptake. The simultaneous absorption of proline and caesium by aseptically cultured tissue. New Phytol. 64(3):451-476. Ref. Oct.1965. 450 N42 Radioactive cesium and carbon; potatoes and carrots.
- 35054 STEWART, B. A., and WHITEFIELD, C. J. Effects of crop residue, soil temperature, and sulfur on the growth of winter wheat. Soil Sci. Soc. Amer. Proc. 29(6):752-755. Ref. Nov./Dec.1965. 56.9 So3

- 35055 STORCHSCHNABEL, G. Research with pot culture. (Ge) *Bodenkultur* 16(1/2):9-17. Feb./May 1965. 19 B635
English summary.
Root development of vegetables.
- 35056 STROHBACH, G. Study of potassium uptake of aerob and anaerob yeast cultures. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss.* 119(6):612-625. Ref. Oct.1965. 448.3 C33
- 35057 SUBRAMANYAM, H., NARASIMHAN, P., and SIRIVASTAVA, H. C. Studies on the physical and biochemical changes in limes (*Citrus aurantifolia* Christm. Swingle) during growth and development. *Indian Bot. Soc. J.* 44(1):105-109. Ref. 1965. 450 J821
- 35058 SUSS, A. Use of radionuclides and ionising rays in agricultural science. (Ge) *In Wissenschaftlich-Technische Tagung des Deutschen Atomforums*, 2, Bonn, 1963. *Atomstrahlung in Medizin und Technik*, p.351-357. 1964. 334.9 W76
Effects on plants and plant mutations.
- 35059 SZYMURA, W., MADZIARA, A., and KRAWIEC, S. Epinasty test applied to study of herbicides. (Pol) *In* Poznan. Instytut Ochrony Roslin. *Materiały do metodyki badan biologicznej oceny srodkow ochrony roslin*, pt.2,p.71-75. 1964. 464.4 P87M
Tests with tomato seedlings treated with herbicide containing paste.
- 35060 SZYMURA, W. Test with wheat coleoptile sections as one of the methods for evaluation of herbicide activity. (Pol) *In* Poznan. Instytut Ochrony Roslin. *Materiały do metodyki badan biologicznej oceny srodkow ochrony roslin*, pt.2,p.77-82. 1964. 464.4 P87M
- 35061 SZYMURA, W. Testing germination of rape seeds for evaluation of biological activity of herbicides. (Pol) *In* Poznan. Instytut Ochrony Roslin. *Materiały do metodyki badan biologicznej oceny srodkow ochrony roslin*, pt.2,p.65-70. 1964. 464.4 P87M
- 35062 TANG, P. S., TAI, Y. L., and LIANG, Y. C. The effects of cyanide on the rate of oxygen-consumption and P^{32} uptake by cyanogenic tissues of the cassava (*Manihot esculenta*) tuber. *Sci. Sinica* 14(11):1617-1623. Nov.1965. 475 Ac87
- 35063 TANNER, W., DACHSEL, L., and KANDLER, O. Effects of DCMU and antimycin A on photo-assimilation of glucose in *Chlorella* [pyrenoidosa]. *Plant Physiol.* 40(6):1151-1156. Ref. Nov.1965. 450 P692
- 35064 TAYLOR, A. C. Wheat crop surveys in southern New South Wales. 1-2. *Australian J. Exp. Agr. Anim. Husb.* 5(19):487-494. Ref. Nov. 1965. 23 Au792
1, Some factors influencing grain protein; 2, Haying-off in commercial wheat crops.
- 35065 TAYLOR, F. J. The effect of chloramphenicol on the growth of *Scenedesmus quadricauda*. *J. Gen. Microbiol.* 39(2):275-284. Ref. May 1965. 448.3 J823
- 35066 TAYLOR, O. C., and EATON, F. M. Suppression of plant growth by nitrogen dioxide. *Plant Physiol.* 41(1):132-135. Jan.1966. 450 P692
Nicotiana glutinosa, beans, and tomatoes.
- 35067 TAYLOR, S. A. Water condition and flow in the soil-plant-atmosphere system. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:81-107. Ref. Oct.1964. 64.9 Am3
- 35068 TETENYI, P. Irradiation of medicinal nightshade [*Solanum laciniatum*]. *Acta Agron. [Budapest]* 15(3/4):245-252. Ref. 1965. 19 Ac8
- 35069 THENABADU, M. W. Magnesium nutrition of cotton as influenced by sodium. *Nature [London]* 209(5019):165-167. Ref. Jan.8,1966. 472 N21
- 35070 TOLER, R. W., DUKES, P. D., and JENKINS, S. F. Growth response of *Fusarium oxysporum* f. *tracheiphilum* in vitro to varying oxygen and carbon dioxide tensions. *Phytopathology* 56(2):183-186. Ref. Feb.1966. 464.8 P56
- 35071 TONKAL', E. A., and NAUMOVA, E. P. Effects of different mineral fertilizers on protein content in sugar beets. (Rus) *Khim. Sel'skom Khoz.* 3:4-8. Mar.1965. 385 K524
- 35072 TONKAL', E. A., and NAUMOVA, E. P. Effects of mineral nutrition on protein complex in sugar beets. (Rus) *Khim. Sel'skom Khoz.* 4(2):2-5. Feb.1966. 385 K524
- 35073 TOVMASYAN, O. V. Biological effect of allogenic pollen in corn selfpollination. (Rus) *Agrobiologiya* 6(156):859-864. Nov. Dec.1965. 20 Ag822
- 35074 TOWNSLEY, W. W., and BELL, A. S. Respiratory metabolism of germinating conidia of *Curvularia geniculata*. *Md. Agr. Exp. Sta. Bull.* A-140,20 p. Ref. May 1965. 100 M36S
- 35075 TUILL, H. D. W. VAN. Organic salts in plants in relation to nutrition and growth. *Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz.* 657,83 p. Ref. 1965. 105.2 V61V
- 35076 UGRYUMOV, E. P., and others. Effects of diphenylarsenic acid on exchange of proteins in Indian mustard. (Rus) *Khim. Sel'skom Khoz.* 3(8):48-49. Aug.1965. 385 K524
E. P. Aleshin, L. V. Rozum, and G. S. Levskaya, joint authors.
- 35077 ULEHLA, J., ZICHOVA, L., and BANOCH, Z. Influence of soil heterogeneity on water regime and yields of lucerne, sugar beet and wheat. *Biol. Plant.* 7(6):449-462. Ref. 1965. 450 B52
- 35078 UMEN, D. P., CHALYI, I. I., and SHCHERBAKOVA, L. M. The effect of maturity of seeds on yields of some oil and essential oil plants. (Rus) *Agrobiologiya* 5:664-670. Sept./Oct. 1965. 20 Ag822
- 35079 UNGERSON, J., and SCHERDIN, G. Contribution to knowledge of the diurnal activity of photosynthesis and respiration in *Betula nana* L. (Ge) *Ann. Bot. Fenn.* 2(3):236-242, map. Ref. 1965. 450 An79
- 35080 VAN BRAGT, J., ROHRBAUGH, L. M., and WENDER, S. H. The effect of 2,4-dichlorophenoxyacetic acid on the rutin content of tomato plants. *Phytochemistry* 4(6):963-965. Nov. 1965. 450 P5622
- 35081 VERLEUR, J. D., and URITANI, I. Respiratory activity of the mitochondrial fractions isolated from healthy potato tubers and from tuber tissue incubated after cutting or infection with *Ceratocystis fimbriata*. *Plant Physiol.* 40(6):1008-1012. Ref. Nov.1965. 450 P692
- 35082 VERMES, R. Wheat from termination to tillering. (Fr) *Rev. Agr. France* 38:13-15. Mar. 1965. 14 R326
Illustrations with text.
- 35083 VERNON, L. P., and SHAW, E. Photochemical activities of spinach chloroplasts following treatment with the detergent Triton X-100. *Plant Physiol.* 40(6):1269-1277. Ref. Nov.1965. 450 P692
- 35084 VESELOVSKII, V. A., and TARUSOV, B. N. Effect of cobalt 60 gamma rays on extremely weak luminescence of root system of barley sprouts. (Rus) *Moscow. Univ. Vestnik. Ser. 6*, 4:65-68. Ref. July/Aug.1965. 442.9 M854
- 35085 VIDAVER, W. Separate action spectra for the two photochemical systems of photosynthesis. *Plant Physiol.* 41(1):87-89. Jan.1966. 450 P692
In *Ulva lobata*.

- 35086 VINOGRADOVA, G. N. Effect of fertilizers on yields and quality of lettuce. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:70-79. Ref. Sept./Oct. 1964. 442.9 M854
Mineral fertilizers.
- 35087 VOEVODIN, A. V. Aftereffects of herbicides in soils. (Rus) Khim. Sel'skom Khoz. 2:49-53. Ref. Feb. 1965. 385 K524
Adverse effects on field crops.
- 35088 VOEVODIN, A. V., and POPOVA, ZH. V. Herbitide resistance of polyploidy sugar beets. (Rus) Khim. Sel'skom Khoz. 3(9):47-51. Ref. Sept. 1965. 385 K524
To Dalapon and Pyramin.
- 35089 VOSKRESENSKII, K. A., and YURINA, E. V. Mass culture of *Asteromonas gracilis* Artari. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:29-35. Ref. Mar./Apr. 1965. 442.9 M854
- 35090 VRIENDT, S. DE, and HENDE, A. VAN DEN. Study of the uptake of the ions Na and K from the soil and of the foliar absorption of Na^{22} by *Phaseolus*. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(2):1067-1084. Ref. 1965. 105.1 G344
English summary.
- 35091 WAGGONER, P. E. Relative effectiveness of change in upper and lower stomatal openings. Crop Sci. 5(4):291-294. July/Aug. 1965. 64.8 C883
Tobacco physiology.
- 35092 WAISEL, Y., and FAHN, A. The effects of environment on wood formation and cambial activity in *Robinia pseudacacia* L. New Phytol. 64(3):436-442. Ref. Oct. 1965. 450 N42
- 35093 WALKER, D. A. Correlation between photosynthetic activity and membrane integrity in isolated pea chloroplasts. Plant Physiol. 40(6):1157-1161. Ref. Nov. 1965. 450 P692
- 35094 WALLACE, A., SOUFI, S. M., and HEMAIDAN, N. Day-night differences in the accumulation and translocation of ions by tobacco plants. Plant Physiol. 41(1):102-104. Jan. 1966. 450 P692
- 35095 WARDLAW, I. F., and CARR, D. J., and ANDERSON, M. J. The relative supply of carbohydrate and nitrogen to wheat grains, and an assessment of the shading and defoliation techniques used for these determinations. Australian J. Agr. Res. 16(6):893-901. Ref. Nov. 1965. 23 Au783
- 35096 WATANABE, K., and KODAMA, T. Studies on the effects of soil physical conditions on the growth and yield of crop plants. I-III. (Ja) Crop Sci. Soc. Japan. Proc. 33(4):409-422. Ref. June 1965. 22.5 C88
English summary.
Chiefly field crops and vegetables.
- 35097 WATSON, D. P., and BOWERS, F. A. I. Long days produce flowers on passion fruit [*Passiflora edulis*]. Hawaii Farm Sci. 14(2):3-5. Apr. 1965. 100 H314
- 35098 WAYGOOD, E. R. Benzimidazole effect in chloroplasts of wheat leaves. Plant Physiol. 40(6):1242-1247. Ref. Nov. 1965. 450 P692
- 35099 WEAVER, P., TINKER, K., and VALENTINE, R. C. Ferredoxin linked DPN reduction by the photosynthetic bacteria *Chromatium* and *Chlorobium*. Biochem. Biophys. Res. Commun. 21(3):195-201. Nov. 8, 1965. 442.8 B5236
- 35100 WEBSTER, D. A., and HACKETT, D. P. Respiratory chain of colorless algae. I. Chlorophyta and Euglenophyta. Plant Physiol. 40(6):1091-1100. Ref. Nov. 1965. 450 P692
- 35101 WEINHOLD, A. R., and GARRAWAY, M. O. Nitrogen and carbon nutrition of *Armillaria mellea* in relation to growth-promoting effects of ethanol. Phytopathology 56(1):108-112. Ref. Jan. 1966. 464.8 P56
- 35102 WELLINGTON, P. S. Germinability and its assessment. Int. Seed Testing Ass. Proc. 30(1):73-88. Ref. 1965. 61.9 In84P
Review of literature.
- 35103 WELLINGTON, P. S. Report of the Germination Committee 1962-1965. Int. Seed Testing Ass. Proc. 30(2):229-235. 1965. 61.9 In84P
On seed germination.
- 35104 WENDT, G. W., BROKKS, C. R., and BUNKLES, J. R. Use of the thermoelectric method to measure relative sap flow in monocotyledons. Agron. J. 57(6):637-638. Nov./Dec. 1965. 4 Am34P
- 35105 WEXELSEN, H., and AASTVEIT, K. Effects of gibberellic acid in barley. Norges Landbrukshogsk. Meld. 44(22), 10 p. Ref. 1965. 104 N762M
- 35106 WHEELER, A. W. Effect of seed treatment on growth and growth-substance content of dwarf French beans (*Phaseolus vulgaris*). J. Expt. Bot. 16(49):714-720. Nov. 1965. 450 J8224
- 35107 WHITTY, E. B., MCCANTS, C. B., and SHAW, L. Influence of width of fertilized band of soil on response of burley tobacco to nitrogen and phosphorus. Tobacco [New York] 162(5):27-33. Ref. Feb. 4, 1966. 286.89 T552
- 35108 WHITTY, E. B. Influence of width of the fertilizer band on response of burley tobacco to nitrogen and phosphorus. Diss. Abs. 26(6):2964. Dec. 1965. 241.8 M58
- 35109 WILLEMSSEN, W. Nitrogen on grassland and the net yield in starch. (Du) Neth. Dir. Landbouw. Landbouvoorlichting 22(8):399-403. Aug. 1965. 12 N383M
- 35110 WILLIAMS, G., and DUNN, S. Effects of 2,4-D on plant metabolism as modified by light quality. Weeds 14(1):17-22. Jan. 1966. 79.8 W41
Tests with *Brassica juncea*.
- 35111 WILLIS, A. J. The influence of mineral nutrients on the growth of *Ammophila arenaria*. J. Ecol. 53(3):735-745. Ref. Nov. 1965. 450 J829
Chiefly N, P, and K in sand dune systems.
- 35112 WILMAN, D. The effect of nitrogenous fertilizer on the rate of growth of Italian ryegrass. Brit. Grassland Soc. J. 20(4):284-254. Dec. 1965. 60.19 B773
- 35113 WILSON, J. W. Stand structure and light penetration. I. J. Appl. Ecol. 2(2):383-390. Nov. 1965. 410 J828
In alfalfa.
- 35114 WILSON, S. B., and HALLSWORTH, E. G. The distribution of cobalt in T. subterranean. Plant Soil 23(1):60-78. Ref. Aug. 1965. 450 P696
Trifolium subterranean; effects of radioactive cobalt.
- 35115 WINTON, L. L. Microsporogenesis and early pollen forcing in a white X black spruce hybrid and its parental species. Diss. Abs. 26(6):2956-2957. Dec. 1965. 241.8 M58
- 35116 WITHERSPOON, J. P., and BROWN, G. N. Translocation of cesium-137 from parent trees to seedlings of *Liriodendron tulipifera*. Bot. Gaz. 126(3):181-185. Ref. Sept. 1965. 450 B652
- 35117 WITTSELL, L. E., and HOBBS, J. A. Soil compaction effects on field plant growth. Agron. J. 57(6):534-537. Ref. Nov./Dec. 1965. 4 Am34P
Wheat, sorghum, tomatoes.
- 35118 WOJTASZEK, T., CHERRY, J. H., and WARREN, G. F. Effect of 4,6-dinitro-o-sec-butylphenol on phosphorus accumulation in corporation in tomato leaf disks. Plant Physiol. 41(1):34-38. Ref. Jan. 1966. 450 P692
Radioactive phosphorus in plant research.
- 35119 WOLF, D. D. Laboratory exercise to demonstrate plant nutrient deficiencies and nitrogen fixation by legumes. Agron. J. 57(6):642-643. Nov./Dec. 1965. 4 Am34P
- 35120 WOODARD, J., GOROVSKY, M., and SWIFT, H. DNA content of a chromosome of *Trillium erectum*; effect of cold treatment. Science 151(3707):215-216. Jan. 14, 1966. 470 Sci2

- 35121 WU, S. H., and others. On the fertilization of *Oryza sativa* L. *Sorghum vulgare* Pers. (Ch) *Acta Bot. Sinica* 13(4):297-313. Ref. Dec.1965. 450 C432
C. C. Wang, C. S. Sun, and C. K. Tsai, joint authors.
English summary.
- 35122 YAMAKAWA, K., and SPARROW, A. H. Correlation of interphase chromosome volume and reduction of viable seed set by chronic irradiation of 21 cultivated plants during reproductive stages. *Radiat. Bot.* 5(6):557-566. Ref. Dec. 1965. 450 R11
Co⁶⁰ gamma source.
- 35123 YAMASAKI, S., and KAWAMURA, A. Studies on the productivity of forage crops in slope land. 3. Effects of soil reaction, form of nitrogen applied and soil water on the growth of teosinte. (Ja) *Shikoku Agr. Exp. Sta. Bull.* 13: 123-139. Ref. Sept.1965. 107.6 Z4
English summary.
- 35124 YAROVENKO, G. I. Role of ammonium nitrate and ammonia nitrogen in cotton nutrition grown on calcareous soils in Central Asia. (Rus) *Khim. Sel'skom Khoz.* 2:3-6. Feb.1965. 385 K524
- 35125 ZHARKOV, V. I. Effects of maleic hydrazide on yielding and quality of sugar beets. (Rus) *Khim. Sel'skom Khoz.* 6:44-46. June 1965. 385 K524
- 35126 ZHIRMUNSKAYA, N. M. Effects of herbicides on carbohydrate exchange in roots of sowthistle. (Rus) *Khim. Sel'skom Khoz.* 6:47-54. Ref. June 1965. 385 K524
2,4-D, 2,3,6-TBA and Amitrol tested on Sonchus.
- 35127 ZHOLKEVICH, V. N., CHETVERIKOV, A. G., and ROGACHEVA, A. J. Respiration efficiency and concentration of free radicals. (Rus) *Akad. Nauk SSSR. Dok.* 165(1):234-237. Ref. 1965. 511 P444A
Cucumbers.
- 35128 ZIMMERMAN, D. C. Lipid metabolism in germinating flaxseed. *Diss. Abs.* 26(7):3619-3620. Jan.1966. 241.8 M58
- 35129 ZOLOTOV, L. N. Presowing treatment of sugar beet seeds with some minor elements. (Rus) *Khim. Sel'skom Khoz.* 6:5-6. June 1965. 385 K524
Manganese sulfate and boric acid for better yielding.
- 35130 ZUEVA, N. P., and TIKHONOV, N. I. Effects of fertilizer on potato quality. (Rus) *Khim. Sel'skom Khoz.* 3:16-22. Mar.1965. 385 K524
- 35131 ZVARA, J. Problem of alternating periods of fruit yields in fruit trees. (Cz) *Ovocnarstvi Zelinarstvi* 13(9):253-254. 1965. 80 Ov64
- BIOCHEMISTRY
- 35132 ALBRIGHT, J. D., VAN METER, J. C., and GOLDMAN, L. Alkaloid studies. IV. Isolation of cephaeline and tubulosine from *Alangium lamarkii*. *Lloydia* 28(3):212-217. Ref. Sept. 1965. 442.8 L77
- 35133 ANJANEYULU, V., and RAMACHANDRA, L. The crystalline principles of Euphorbiaceae. IV. The triterpenes from the stems and leaves of *E. nerifolia* Linn. *Cur. Sci.* 34(21):608-609. Nov.5,1965. 475 Sci23
- 35134 ANKEL, H., and FEINGOLD, D. S. Biosynthesis of uridine diphosphate D-xylose. II. Uridine diphosphate D-glucuronate carboxy-lyase of *Cryptococcus laurentii*. *Biochemistry* 5(1): 182-189. Ref. Jan.1966. 381 B523
- 35135 AUGIER, J. Some biochemical data concerning the Rhodophyceae of Biarritz, *Leptosiphonia schousboei*. (Fr) *Biarritz. Cent. Etud. Rech. Sci. Bull.* 5(2):203-208. 2d Semes.1964. 410.9 B47
- 35136 AYER, W. A., and PIERS, K. Transannular hydride shifts. An application to the synthesis of Lycopodium alkaloids. *Chem. Commun.* 21:541-542. Ref. Nov.10,1965. 382 C4223
- 35137 BACHMAN, P. L. Studies on the synthesis of tetracyclic diterpenes. Some phenolic plant constituents. *Diss. Abs.* 26(7):3624-3636. Jan. 1966. 241.8 M58
- 35138 BAN'KOVSKAYA, A. N., OSTROVSKIY, N. I., and BAN'KOVSKIY, A. I. Accumulation of alkaloids and oil in cornicles of ergot of ergotamine strain. U. S. Joint Publ. Res. Serv. [Transl.] *Med. Indus. USSR, Oct.22,1964:14-18.* (JPRS 27,023; TT 64-51279; CSO 3370-S) 173 J663 Medi
Claviceps purpurea.
Translation from Meditsinskaya Promyshlennost' SSSR 8:18-21. Aug.1964.
- 35139 BAR-AKIVA, A., and STERNBAUM, J. Nitrate reduction in citrus tree leaves. *Plant Soil* 23 (1):141-144. Aug.1965. 450 P696
Effects of nitrate-reducing enzyme system on sour-orange.
- 35140 BARET, R., RENAI, J., and MOURGUE, M. Quinidine formation from proteins in the presence of urea and lysine content of plant and animal proteins. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(3):587-591. 1965. 442.9 P21
- 35141 BARTH, A., and SCHWENK, P. Amino acid-(phenylazo)-phenyl derivative, a new histochemical method for determination of proteolytic enzymes in plant tissues. (Ge) *Z. Chem.* 5(12): 458-459. Dec.1965. 384 Z325
- 35142 BECHET, J., and WIAME, J. M. Indication of a specific regulatory binding protein for ornithine transcarbamylase in *Saccharomyces cerevisiae*. *Biochem. Biophys. Res. Commun.* 21(3):226-234. Ref. Nov.8,1965. 442.8 B5236
- 35143 BEGLARYAN, N. P., NAZARYAN, O. A., and VOSKANYAN, A. Z. The effect of X-rays and gibberellins on some biochemical properties of varieties of *Ipomoea purpurea* and *Cosmos bipinnatus*. (Arm) *Akad. Nauk Arm. SSR. Izv. Biol. Nauk.* 18(8):32-40. Aug.1965. 20 Er4
Russian summary.
- 35144 BENN, M. H. Delphinium alkaloids. The structures of the alkaloids of Delphinium cardinale Hook and the alkaloid delatine. *Can. J. Chem.* 44(1):1-8. Ref. Jan.1,1966. 470 C16B
- 35145 BENNETT, R. D., and HEFTMANN, E. Biosynthesis of Holarhena alkaloids from pregnenolone and progesterone. *Phytochemistry* 4 (6):873-879. Ref. Nov.1965. 450 P5622
Hollarhena floribunda.
- 35146 BIGGINS, J., and PARK, R. B. Physical properties of spinach chloroplast lamellar proteins. *Plant Physiol.* 40(6):1109-1115. Ref. Nov.1965. 450 P692
- 35147 BISWAS, S., and BISWAS, B. B. Enzymatic synthesis of guanosine triphosphate from phytin and guanosine diphosphate. *Biochim. Biophys. Acta* 108(4):710-713. Ref. Dec.9,1965. 381 B522
From mung beans.
- 35148 BIZEAU, C., and GALZY, P. Observations of the function of the ethanol oxidation chain in *Saccharomyces cerevisiae* Hansen. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4):944-947. 1965. 442.9 P21
- 35149 BOHLMANN, F., and SEYBERLICH, A. Polyacetylene compounds. XC. Synthesis of thioethers from *Anthemis carpatica* Willd. (Ge) *Chem. Ber.* 99(1):138-141. 1966. 384 B45
- 35150 BOHLMANN, F., KLEINE, K. M., and BORNOWSKI, H. Polyacetylene compounds. XCI. Structure and synthesis of a C₁₈ -keto-acetate from *Cosmos sulphureus* Cav. (Ge) *Chem. Ber.* 99(1):142-147. 1966. 384 B45

- 35151 BOHLMANN, F., and KAP-HERR, W. VON. Polyacetylene compounds. XCII. The biogenesis of carlina oxide. (Ge) Chem. Ber. 99(1):148-150. 1966. 384 B45
In *Carlina acaulis*.
- 35152 BOICHENKO, E. A., and ZARIN, V. E. Iron combining with coenzyme A in plants. (Rus) Akad. Nauk SSSR. Dokl. 165(6):1423-1426. Ref. 1965. 511 P444A
- 35153 BREWER, E. N., and RUSCH, H. P. DNA synthesis by isolated nuclei of *Physarum polycephalum*. Biochem. Biophys. Res. Commun. 21(3):235-241. Ref. Nov.8,1965. 442.8 B5236
- 35154 BUCKE, C., and others. The taxonomic distribution of plastoquinone and tocopherolquinone and their intracellular distribution in leaves of *Vicia faba* L. Biochim. Biophys. Acta 112(1):19-34. Ref. Jan.4,1966. 381 B522
R. M. Leech, M. Hallaway, and R. A. Morton, joint authors.
- 35155 BURNELL, R. H., MEDINA, J. D., and AYER, W. A. Alkaloids of the seeds of *Aspidosperma fendleri* Woodson. Can. J. Chem. 44(1):28-31. Jan.1,1966. 470 C16B
- 35156 BUTLER, W. L., and BRIGGS, W. R. The relation between structure and pigments during the first stages of proplastid greening. Biochim. Biophys. Acta 112(1):45-53. Ref. Jan.4, 1966. 381 B522
Bean and barley leaves.
- 35157 CARINI, S. Excretion of a toxic substance by alfalfa and its influence on terrestrial microflora and on *Azotobacter*; possible relation with the decay of alfalfa. (It) Ann. Microbiol. Enzimol. 14(1/3):27-35. 1964. 448.3 An73
English summary.
- 35158 CARITO, S. L., and PISANO, M. A. Production of alanine by *Fusarium moniliforme*. Appl. Microbiol. 14(1):39-44. Ref. Jan.1966. 448.3 Ap5
- 35159 CARLES, J., MATHIEU, R., and BRU, A. Penetration of iron into the branches and leaves. (Fr) Paris. Soc. Biol. Compt. Rend. 159(4):995-997. 1965. 442.9 P21
Radioactive iron tested on grapes, privet, and sycamore.
- 35160 CECCARINI, C. Trehalase from *Dictyostelium discoideum*: purification and properties. Science 151(3709):454-456. Ref. Jan.28,1966. 470 Sci2
- 35161 CHANCE, B., and BONNER, W. D. Kinetics of cytochrome oxidation in skunk cabbage [*Symlocarpus foetidus*] mitochondria. Plant Physiol. 40(6):1198-1204. Ref. Nov.1965. 450 P692
- 35162 CHANDRASHEKAR, V., KRISHNAMURTI, M., and SESHADRI, T. R. Chemical investigation of *Artemisia sacrorum*. Cur. Sci. 34(21):609. Nov.5,1965. 475 Sci23
- 35163 CHANG, S. B., and LUNDIN, K. Specificity of galactolipids in photochemical reactions coupled with cytochrome C reduction. Biochem. Biophys. Res. Commun. 21(5):424-431. Ref. Dec.9,1965. 442.8 B5236
Spinach chloroplasts studied.
- 35164 CHU, T. C., and CHU, E. J. H. Thin-layer chromatography of methyl esters of porphyrins, chlorins and related compounds with Eastman "Chromagram." J. Chromatography 21(1):46-51. Jan.1966. 475 J824
Includes chlorophyll a and b.
- 35165 CLAYTON, J. W., and BUSHUK, W. Ion exchange chromatography of proteins. J. Chromatography 21(1):67-74. Ref. Jan.1966. 475 J824
Wheat proteins.
- 35166 COLE, M. Formation of 6-aminopenicillanic acid, penicillins, and penicillin acylase by various fungi. Appl. Microbiol. 14(1):98-104. Ref. Jan.1966. 448.3 Ap5
- 35167 COMBEPINE, G., and TURIAN, G. Glycine biosynthesis in wild type *Neurospora crassa* and in its mutants. (Fr) Pathol. Microbiol. 28(6):1018-1030. Ref. 448.8 Sch9
English summary.
- 35168 CORNEO, G., and others. Mitochondrial DNA in yeast and some mammalian species. Science 151(3711):687-689. Ref. Feb.11,1966. 470 Sci2
C. Moore, D. Rao Sanadi, L. I. Grossman, and J. Marmur, joint authors.
- 35169 CORRELL, D. L. Imidonitrogen in *Chlorella* "polyphosphate." Science 151(3712):819-821. Feb.18,1966. 470 Sci2
- 35170 COVE, D. J. The induction and repression of nitrate reductase in the fungus *Aspergillus nidulans*. Biochim. Biophys. Acta 113(1):51-56. Jan.11,1966. 381 B522
- 35171 CRAIGIE, J. S., MCLACHLAN, J., and TOWERS, G. H. N. A note on the fission of an aromatic ring by algae. Can. J. Bot. 43(12):1589-1590. Dec.1965. 470 C16C
Carbon-14 used in experiments.
- 35172 CROSS, B. E., and NORTON, K. The biosynthesis of gibberellic acid. Chem. Commun. 21:535-536. Nov.10,1965. 382 C4223
- 35173 CULBERSON, C. F. Some constituents of the lichen *Ramalina siliquosa*. Phytochemistry 4(6):951-961. Ref. Nov.1965. 450 P5622
Chemical compounds, including the depsidone, hypoprotocetraric acid.
- 35174 DAVIS, F. S., and MCCARTY, M. K. Respiration, RQ [respiratory quotient] and activities of three enzymes during the transition from the dormant to the active state in western ironweed [*Vernonia baldwini*]. Weeds 14(1):69-73. Ref. Jan.1966. 79.8 W41
The enzymes are polyphenol oxidase, peroxidase malic dehydrogenase.
- 35175 DEEVA, V. P., and MASHTAKOV, S. M. Effect of 2,4-D and some minor elements on changes in the content of adenosine triphosphates, nucleic acids and proteins of plants. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(9):610-612. Ref. Sept.1965. 511 M663D
Corn.
- 35176 DEVAY, M. The biochemistry of vernalization. IV. The changes of ribonuclease activity in the course of vernalization. Acta Agron. [Budapest] 15(3/4):275-287. Ref. 1965. 19 Ac8
Wheat seeds.
- 35177 DORITY, G. H. Some constituents of *Alyxia olivaeformis* Gaud. Diss. Abs. 26(6):3036. Dec.1965. 241.8 M58
- 35178 DOUGALL, H. W., and BOGDAN, A. V. The chemical composition of the grasses of Kenya. III. East Afr. Agr. Forest. J. 30(4):314-319. Apr.1965. 24 Ea74
- 35179 DRANKINA, T. I. Production of beta indole-3-acetic acid by some Taphrinales. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:16-22. Ref. Nov./Dec.1965. 442.9 M854
- 35180 DUNNILL, P. M., and FOWDEN, L. The amino acids of seeds of the Cucurbitaceae. Phytochemistry 4(6):933-944. Ref. Nov.1965. 450 P5622
- 35181 EPPLEY, P. J., and ARDITTI, J. Deoxyribonucleic acid content of diploid and tetraploid orchids. Amer. Orchid Soc. Bull. 34(8):711-712. Aug.1965. 80 Am329
- 35182 ERMOKHINA, T. M., and others. Species-specificity of soluble RNA and aminoacyl-RNA synthetases in certain plants. (Rus) Akad. Nauk SSSR. Dokl. 164(3):688-691. Ref. 1965. 511 P444A
M. A. Stambolova, G. N. Zaitseva, and A. N. Beloserskii, joint authors.
Peas and *Asteromonas gracilis* used in research.
- 35183 FALUDI-DANIEL, A., and LANG, F. The formation of carotenoid content in the grains of maize mutants. Acta Agron. [Budapest] 15(3/4):203-207. Ref. 1965. 19 Ac8
- 35184 FILER, T. H., and TOOLE, E. R. Isolations from mycorrhizal roots of sweetgum [*Liquidambar styraciflua*]. Plant Dis. Rep. 49(10):869-870. Oct.1965. 1.9 P69P
Mississippi and Louisiana.

- 35185 FONG, H. H. S. A phytochemical investigation of the non-phenolic tertiary and quaternary alkaloids of *Thalictrum rochebrunianum*, Franc. and Sav. (Ranunculaceae). Diss. Abs. 26(7): 3879. Jan.1966. 241.8 M58
- 35186 FOX, J. E. Incorporation of a kinin, N,6-benzyladenine into soluble RNA. *Plant Physiol.* 41(1):75-82. Ref. Jan.1966. 450 P692 Tobacco and soybean tissues.
- 35187 FOX, L. R., PURVES, W. K., and NAKADA, H. I. The role of horseradish peroxidase in indole-3-acetic acid oxidation. *Biochemistry* 4(12):2754-2763. Ref. Dec.1965. 381 B523
- 35188 FRANKEL, T. N., and GARBER, E. D. Esterases in extracts from germinating seeds of twelve pea varieties. *Bot. Gaz.* 126(3):221-222. Sept.1965. 450 B652
- 35189 FREDRICK, J. F., and GENTILE, A. C. Physico-chemical studies of the metabolic end-product of 3-amino-1,2,4-triazole in yeast. *Phytochemistry* 4(6):851-856. Ref. Nov.1965. 450 P5622
- 35190 FURUYA, K. Biochemical studies on calcareous algae. II. Organic acids of some calcareous red algae. *Bot. Mag. Tokyo* 78(926/927): 274-279. Ref. Aug./Sept.1965. 450 B651
- 35191 GAVRILENKO, V. F., GUZHOVA, N. V., and RUBIN, B. A. Certain peculiar features in the exchange of Fe-porphyrin compounds in the roots and above-ground organs of plants. (Rus) *Akad. Nauk SSSR. Dok.* 164(6):1428-1431. Ref. 1965. 511 P444A Peas and corn used in experiment.
- 35192 GEE, R., WRITER, S., and SALTMAN, P. Chloroplast integrity and biochemical function. *Plant Physiol.* 40(6):1101-1108. Ref. Nov.1965. 450 P692 Of *Spinacia oleracea*.
- 35193 GHARBO, S. A., and others. A phytochemical study of *Doryphora sassafras*. I. Isolation of eight crystalline alkaloids from the leaves. *Lloydia* 28(3):237-244. Sept.1965. 442.8 L77 J. L. Beal, R. H. Schlessinger, M. P. Cava, and G. H. Svoboda, joint authors.
- 35194 GODNEV, T. N., and ROTFARB, R. M. Possibility of a reciprocal transformation of carotenes and carotenols. 3 p. Ref. (TT 63-16721) Transl. 15338 In onion leaves. Translation from *Akademiya Nauk SSSR. Doklady* 147:735-737. 1962. Issued by CFSTI.
- 35195 GOLDEMBERG, S. H., MARECHAL, L. R., and SOUZA, B. C. DE. Beta-1,3-oligoglucan: orthophosphate glucosyltransferase from *Euglena gracilis*. *J. Biol. Chem.* 241(1):45-50. Ref. Jan.14,1966. 381 J824
- 35196 GORMAN, D. S., and LEVINE, R. P. Cytochrome f and plastocyanin: their sequence in the photosynthetic electron transport chain of *Chlamydomonas reinhardtii*. *Nat. Acad. Sci. Proc.* 54(6):1665-1660. Ref. Dec.1965. 500 N21P
- 35197 GOVINDARAJAN, V. S., and MATHEW, A. G. Anthocyanidins from leucoanthocyanidins. *Phytochemistry* 4(6):985-988. Ref. Nov.1965. 450 P5622 In plant extracts.
- 35198 GROSS, S. R. The regulation of synthesis of leucine biosynthetic enzymes in *Neurospora*. *Nat. Acad. Sci. Proc.* 54(6):1538-1546. Ref. Dec.1965. 500 N21P
- 35199 HADWIGER, L. A., and others. Biosynthesis of orcyalalanine. *Phytochemistry* 4(6):825-830. Ref. Nov.1965. 450 P5622 H. G. Floss, J. R. Stoker, and E. E. Conn, joint authors.
- 35200 HAREL, E., MAYER, A. M., and SHAIN, Y. Purification and multiplicity of catechol oxidase from apple chloroplasts. *Phytochemistry* 4(6):783-790. Ref. Nov.1965. 450 P5622
- 35201 HARMEY, M. A., IKUMA, H., and BONNER, W. D. Near ultra-violet spectrum of white potato mitochondria. *Nature [London]* 209(5019): 174-175. Ref. Jan.8,1966. 472 N21
- 35202 HATA, K., and KOZAWA, M. The constitution of angelol, a new coumarin isolated from the root of *Angelica pubescens* Maxim. (Umbelliferae). *Tetrahedron Lett.* 50:4557-4562. Dec. 1965. 385 T29
- 35203 HAWKE, J. C., and STUMPF, P. K. Fat metabolism in higher plants. XXVII. Synthesis of long-chain fatty acids by preparations of *Hordeum vulgare* L. and other Graminae. *Plant Physiol.* 40(6):1023-1032. Ref. Nov.1965. 450 P692
- 35204 HAYASHI, F., and RAPPAPORT, L. Isolation, crystallization, and partial identification of potato factor II from potato tubers. *Plant Physiol.* 41(1):53-58. Ref. Jan.1966. 450 P692
- 35205 HAYNES, L. J. Naturally occurring C-glycosyl compounds. *Advances Carb. Chem.* 20:357-369. Ref. 1965. 381 Ad9 Literature review. In plants.
- 35206 HELLER, J., and SMITH, E. L. The amino acid sequence of cytochrome C of *Neurospora crassa*. *Nat. Acad. Sci. Proc.* 54(6):1621-1625. Ref. Dec.1965. 500 N21P
- 35207 HILLIS, W. E., and ISOI, K. The biosynthesis of polyphenols in *Eucalyptus* species. *Phytochemistry* 4(6):905-918. Ref. Nov.1965. 450 P5622
- 35208 HIURA, I. Studies on the techniques for studying color characteristics of tulip petals. (Ja) *Jap. J. Breeding* 15(3):56. Sept.1965. 64.8 J27
- 35209 HODGKIN, J. H., CRAIGIE, J. S., and MC-INNES, A. G. The occurrence of 2,3-dibromobenzyl alcohol 4,5-disulfate, dipotassium salt, in *Polysiphonia lanosa*. *Can. J. Chem.* 44(1): 74-78. Ref. Jan.1,1966. 470 C16B
- 35210 HOLDGATE, D. P., and GOODWIN, T. W. Metabolism of nucleic acids during early stages of the germination process in rye (*Secale cereale*). *Phytochemistry* 4(6):845-850. Ref. Nov. 1965. 450 P5622
- 35211 HOLDGATE, D. P., and GOODWIN, T. W. Quantitative extraction and estimation of plant nucleic acids. *Phytochemistry* 4(6):831-843. Ref. Nov.1965. 450 P5622
- 35212 HOLT, A. S., PURDIE, J. W., and WASLEY, J. W. F. Structures of *Chlorobium chlorophylls* (660). *Can. J. Chem.* 44(1):88-93. Ref. Jan.1,1966. 470 C16B
- 35213 HORNER, H. T., and ARNOTT, H. J. A histochemical and ultrastructural study of *Yucca* seed proteins. *Amer. J. Bot.* 52(10):1027-1038. Ref. Nov./Dec.1965. 450 Am36
- 35214 HUDOCK, G. A., and FULLER, R. C. Control of triosephosphate dehydrogenase in photosynthesis. *Plant Physiol.* 40(6):1205-1211. Ref. Nov.1965. 450 P692 In *Euglena gracilis* and *Chlamydomonas reinhardtii*.
- 35215 INGLE, J., and KEY, J. L. A comparative evaluation of the synthesis of DNA-like RNA in excised and intact plant tissues. *Plant Physiol.* 40(6):1212-1219. Ref. Nov.1965. 450 P692
- 35216 INGLE, J., KEY, J. L., and HOLM, R. E. Demonstration and characterization of a DNA-like RNA in excised plant tissue. *J. Mol. Biol.* 11(4):730-746. Ref. Apr.1965. 442.8 J8224 Soybeans.
- 35217 JACK, R. C. M. Relation of triglycerides to phosphoglycerides in fungi. *Amer. Oil Chem. Soc. J.* 42(12):1051-1053. Dec.1965. 307.8 J82
- 35218 JAWORSKI, E. G., WANG, L. C., and CARPENTER, W. D. Biosynthesis of chitin in cell-free extracts of *Venturia inaequalis*. *Phytopathology* 55(12):1309-1312. Ref. Dec.1965. 464.8 P56

- 35219 JENSEN, S. L. Biosynthesis and function of carotenoid pigments in microorganisms. *Annu. Rev. Microbiol.* 19:163-182. 1965. 448.3 An72
Includes fungi and algae.
- 35220 JENSEN, S. L. On fungal carotenoids and the natural distribution of spirilloxanthin. *Phytochemistry* 4(6):925-931. Ref. Nov.1965. 450 P5622
- 35221 JOHNS, S. R., and MARION, L. The role of aspartic acid in the biosynthesis of ricinine. *Can. J. Chem.* 44(1):23-27. Ref. Jan.1,1966. 470 C16B
- 35222 JONES, L. H. P., MILNE, A. A., and SANDERS, J. V. Tabashir: an opal of plant origin. *Science* 151(3709):464-466. Jan.28,1966. 470 Sci2 In bamboo.
- 35223 JONSSON, A. G., and MARTIN, S. M. Protease production by *Alternaria tenuissima*. *Agr. Biol. Chem.* 29(9):787-791. Sept.1965. 385 Ag8B
- 35224 JORDAN, W. H. G. The alkaloids of *Ochrosia sandwicensis* A. Gray. *Diss. Abs.* 26(6):3040. Dec.1965. 241.8 M58
- 35225 HURTADO, I. DE., and others. Studies on the biological activity of *Rhus striata* ("manzanillo"). I. *Int. Arch. Allergy Appl. Immunol.* 28(5):261-270. Ref. 1965. 448.8 In8
R. H. Burnell; J. D. Medina, and M. Layrisse, joint authors.
- 35226 KAGAN, Z. S., and MALEINA, A. A. Biosynthesis of valine and isoleucine from their keto- and dioxianalogues in leaves and roots of Indian corn. (Rus) *Akad. Nauk SSSR. Dokl.* 166(1):235-237. Ref. 1966. 511 P444A
- 35227 KAKHNOVICH, L. V. Accumulation of pigments and change of plastid apparatus in leaves of some plants under artificial light of mercury lamps. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(9):613-615. Sept.1965. 511 M663D
- 35228 KASAI, T., and OBATA, Y. Amino acid composition of potato juice. (Ja) *Hokkaido Univ. Fac. Agr. Mem.* 5(3):139-144. 1966. 107.6 H682
English summary.
- 35229 KASINSKY, H., and HACKETT, P. Calculation of purity and yields in the purification of b-type cytochromes from etiolated seedlings of *Phaseolus aureus*. *Plant Physiol.* 40(6):994-996. Nov.1965. 450 P692
- 35230 KASK, K. Biochemical responses of tree seedlings to the treatment of the seeds by alternate temperatures. (Rus) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 4:251-266. Ref. 1964. 442.9 Ak18
English summary.
Plums, apricots and *Prunus tomentosa*.
- 35231 KATOH, T., and SANUKIDA, S. The mitochondrial structural proteins from wild-type and respiratory-deficient yeasts. *Biochem. Biophys. Res. Commun.* 21(4):373-378. Ref. Nov.22,1965. 442.8 B5236
- 35232 KELLY, J., and SAUER, K. Action spectrum and quantum requirements for the photoreduction of cytochrome c with spinach chloroplasts. *Biochemistry* 4(12):2798-2802. Ref. Dec.1965. 381 B523
- 35233 KEMPNER, E. S., and MILLER, J. H. The molecular biology of *Euglena gracilis*. III. General carbon metabolism. *Biochemistry* 4(12):2735-2739. Ref. Dec.1965. 381 B523
- 35234 KESSLER, E. The effect of glucose on hydrogenase activity in *Chlorella*. *Biochim. Biophys. Acta* 112(1):173-175. Jan.4,1966. 381 B522
- 35235 KNIGHTS, B. A. Identification of the sterols of oat seed. *Phytochemistry* 4(6):857-862. Ref. Nov.1965. 450 P5622
- 35236 KOBLITZ, H., KOBLITZ, D., and HAGEN, I. The chemistry of the cell wall in plant tissues cultured in vitro. VI. The influence of various mono- and oligosaccharides on the composition of the soluble sugar in carrot tissue cultures. (Ge) *Flora [Jena]* 155(4):544-557. Ref. July 15,1965. 450 F66
- 35237 KOBR, M. J., TURIAN, G., and ZIMMERMAN, E. J. Changes in enzymes regulating isocitrate breakdown in *Neurospora crassa*. *Arch. Mikrobiol.* 52(2):169-177. Ref. Oct.14,1965. 442.8 Ar26
- 35238 KONEV, S. V., and LYSKOVA, T. I. Effect of ultraviolet light of mitogenetic intensity on glycolysis rate increase of yeast cell. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(3):190-193. Mar.1965. 511 M663D
- 35239 KRIVANEK, J. O., and KRIVANEK, R. C. Evidence for transaminase activity in the slime mold, *Dictyostelium discoideum* Raper. *Biol. Bull.* 129(2):295-302. Oct.1965. 442.8 B52
- 35240 KRYZANEK, R., and others. Fast method of the determination of the content of nitrogen in plants. 2,6. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):317-320,337-340. Mar. 1965. 64.9 C33
J. Prugar, J. Vesela, and V. Jiracek, joint authors.
German summary.
Conway microdiffusion method.
- 35241 KUZIN, A. M., and NARBAEV, N. Quantitative regularities of quinone formation in gamma-irradiated plant tissue. (Rus) *Akad. Nauk SSSR. Dokl.* 164(6):1409-1412. Ref. 1965. 511 P444A
Potatoes used in experiment.
- 35242 LARSEN, P. O. M-carboxy-substituted aromatic amino acids in plant metabolism. II. The incorporation of shikimic acid into L-3-(3-carboxy-4-hydroxyphenyl)-alanine in *Reseda lutea* L. *Biochim. Biophys. Acta* 115(2):529-531. Feb.28,1966. 381 B522
- 35243 LASZTITY, D., and HORVATH, M. Changes of pigments in barley leaves. *Acta Agron. [Budapest]* 15(3/4):321-326. Ref. 1965. 19 Ac8
Light effect.
- 35244 LITVINENKO, L. A., and BELIKOV, P. S. Discharge of acid water soluble substances by plant tissue under heating. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:285-289. Ref. 1965. 20 M857
Barley.
- 35245 LIU, T. Y., OPPENHEIM, A., and CASTELFRANCO, P. Ethyl alcohol metabolism in leguminous seedlings. *Plant Physiol.* 40(6):1261-1268. Ref. Nov.1965. 450 P692
- 35246 LLOYD, H. A. Alkaloids of *Astrocasia phyllanthoides*. II. *Astrophylline*. *Tetrahedron Lett.* 50:4537-4540. Dec.1965. 385 T29
- 35247 LOUNAMAA, K. J. Studies on the content of iron, manganese and zinc in macrolichens. *Ann. Bot. Fenn.* 2(2):127-137, map. Ref. 1965. 450 An79
- 35248 LYNCH, V. H., and GILLMOR, R. G. Utilization of glutamine and glutamic acid by *Chlorella pyrenoidosa*. *Biochim. Biophys. Acta* 115(2):253-259. Ref. Feb.28,1966. 381 B522
- 35249 LYNDON, R. F. Intracellular distribution of ribonuclease activity in pea roots. *Biochim. Biophys. Acta* 113(1):110-119. Ref. Jan.11, 1966. 381 B522
- 35250 LYONS, J. M., and ASMUNDSON, C. M. Solidification of unsaturated/saturated fatty acid mixtures and its relationship to chilling sensitivity in plants. *Amer. Oil Chem. Soc. J.* 42(12):1056-1058. Dec.1965. 307.8 J82

- 35251 MANDELS, G. R., VITOLS, R., and PARRISH, F. W. Trehalose as an endogenous reserve in spores of the fungus *Myrothecium verrucaria*. *J. Bacteriol.* 90(6):1589-1598. Ref. Dec.1965. 448.3 J82
- 35252 MARRE, E., COCUCCHI, S., and STURANI, E. On the development of the ribosomal system in the endosperm of germinating castor bean seeds. *Plant Physiol.* 40(6):1162-1170. Ref. Nov.1965. 450 P692
- 35253 MARSHALL, K. C. The role of beta-alanine in the biosynthesis of nitrate by *Aspergillus flavus*. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 31(4):386-394. Ref. 1965. 448.8 N28A
- 35254 MARTIN, F. W., and DELPIN, H. Sapogenin production and agronomic potential of *Dioscorea spiculiflora*. *Turrialba* 15(4):296-299. Ref. Oct./Dec.1965. 8 T86
- 35255 MARX-FIGINI, M., and SCHULZ, G. V. On the kinetics and mechanism of cellulose biosynthesis in higher plants. (Ge) *Biochim. Biophys. Acta* 112(1):81-101. Ref. Jan.4,1966. 381 B522
Research on cotton.
- 35256 MASON, B. J., MOORE, D. P., and MAAS, E. V. Selective inhibition of cation absorption by uranyl. *Nature [London]* 209(5020):318-319. Jan.15,1966. 472 N21
Barley studied.
- 35257 MAYER, W., and others. Procyanidino(-)-epicatechin, a two-armed linked condensed proanthocyanidin from *Aesculus hippocastanum*. (Ge) *Tetrahedron Lett.* 4:429-435. Jan.1966. 385 T29
L. Goll, E. M. Von Arndt, and A. Mannschreck, joint authors.
- 35258 MCCAPRA, F., and others. Biosynthesis of the indole alkaloids: vindoline. *Chem. Commun.* 21:537-538. Nov.10,1965. 382 C4223
T. Money, A. I. Scott, and I. G. Wright, joint authors.
bpm
- 35259 MCCARTHY, T. J., and PRICE, C. H. Microdetermination of aloin in some South African Aloe species. *Pharm. Weekbl.* 100(25):761. 763. June 18,1965. 396.8 P4922
- 35260 MCMAHON, V., and STUMPF, P. K. Fat metabolism in higher plants. XXVI. Biosynthesis of fatty acids in tissues of developing seeds and germinating seedlings of safflower (*Carthamus tinctorius* L.). *Plant Physiol.* 41(1):148-156. Ref. Jan.1966. 450 P692
- 35261 MCNAUGHTON, S. J. Differential enzymatic activity in ecological races of *Typha latifolia* L. *Science* 150(3705):1829-1830. Dec.31,1965. 470 Sci2
- 35262 MEIGH, D. F., and HULME, A. C. Fatty acid metabolism in the apple fruit during the respiration climacteric. *Phytochemistry* 4(6):863-871. Ref. Nov.1965. 450 P5622
- 35263 MEL'NIKOV, S. S., and EVSTIGNEEV, V. B. On changes of electrical conductivity of chlorophyll c and a plus b solutions under illumination in oxidizing conditions. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(9):607-609. Ref. Sept.1965. 511 M663D
Plants.
- 35264 MIFUCHI, I., NISHIDA, M., and MORITA, T. Effect of toxohormone-like substances on respiratory adaptive production of catalase in *Saccharomyces cerevisiae*. *Jap. J. Microbiol.* 9(2):65-73. Ref. June 1965. 448.8 J273
- 35265 MIHAJLOVIC, M. L., ANTIC, M., and HADZIJEV, D. Chemical investigation of wheat. 8. Dynamics of various forms of phosphorus in wheat during its ontogenesis. The extent and mechanism of phytic acid decomposition in germinating wheat grain. *Plant Soil* 23(1):117-128. Ref. Aug.1965. 450 P696
- 35266 MILLARD, D. L., WISKICH, J. T., and ROBERTSON, R. N. Ion uptake and phosphorylation in mitochondria: effect of monovalent ions. *Plant Physiol.* 40(6):1129-1135. Ref. Nov.1965. 450 P692
In beets.
- 35267 MILLIKAN, D. F., WYLLIE, T. D., and PICKETT, E. E. Isolation and properties of nucleic acids from soybean leaf tissue. *Phytochemistry* 4(6):981-983. Ref. Nov.1965. 450 P5622
- 35268 MISHRA, D. Changes in the glutamic and aspartic acid levels of detached wheat leaves treated with benzimidazole. *Cur. Sci.* 34(21):611. Nov.5,1965. 475 Sci23
- 35269 MULLER, H. M. Investigations on the acid metabolism of *Aspergillus niger*. I. The affect of the C/N relationships of the original culture medium on the pH value and the concentration of oxalic acid. (Ge) *Arch. Mikrobiol.* 52(3):251-265. Ref. Oct.25,1965. 442.8 Ar26
- 35270 NAGY, B., MODZELESKI, V., and MURPHY, M. T. J. Hydrocarbons in the banana leaf, *Musa sapientum*. *Phytochemistry* 4(6):945-950. Ref. Nov.1965. 450 P5622
- 35271 NAIR, P. M., and VAIDYANATHAN, C. S. Anthranilic acid hydroxylase from *Tecoma stans*. *Biochim. Biophys. Acta* 110(3):521-531. Ref. Dec.23,1965. 381 B522
- 35272 NICHOLS, B. W., HARRIS, P., and JAMES, A. T. The biosynthesis of trans-3-hexadecenoic acid by *Chlorella vulgaris*. *Biochem. Biophys. Res. Commun.* 21(5):473-479. Ref. Dec.9,1965. 442.8 B5236
- 35273 NORDSTROM, C. G., and KALO, P. The glycosides of parsley. The isolation of an isorhamnetin glycoside. *Suomen Kem. A.* 38(12):296-298. Ref. 1965. 385 Su7
In the leaves.
- 35274 ODMARK, G., and KIHLMAN, B. A. Effects of chromosome-breaking purine derivatives on nucleic acid synthesis and on the levels of adenosine 5'-triphosphate and deoxyadenosine 5'-triphosphate in bean root tips. *Mutation Res.* 2(3):274-286. Ref. June 1965. 443.8 M98
- 35275 OELLERMANN, R. A. The nutritive value of *Themeda triandra*. II. Variation in in vitro protein synthesis caused by seasonal fluctuations of inoculum and stage of maturity of grass. *S. Afr. J. Agr. Sci.* 8(2):393-399. Ref. June 1965. 24 Su3
- 35276 OHMORI, K., and GOTTLIEB, D. Development of respiratory enzyme activities during spore germination. *Phytopathology* 55(12):1328-1336. Ref. Dec.1965. 464.8 P56
Trichoderma viride, *Aspergillus niger*, and *Penicillium* spp.
- 35277 ONCKELEN, H. A. VAN, VERBEEK, R., and MASSART, L. Detection of a kinetin-like factor in barley with a new bioassay on kinetin-like activity. *Naturwissenschaften* 52(20):561-562. Oct.15,1965. 474 N213
- 35278 PAKHOMOVA, M. V., ZAITSEVA, G. N., and AL'BITSKAYA, O. N. The levels of acid-soluble phosphates in green algae, *Chlorella vulgaris*, depending on speed of cell division and on sources of nitrogen nutrition. (Rus) *Bio-khimiya* 30(6):1204-1212. Ref. Nov./Dec.1965. 385 B523
English summary.
- 35279 PALMER, J. M., and WEDDING, R. T. Purification and properties of succinyl-CoA synthetase from Jerusalem artichoke mitochondria. *Biochim. Biophys. Acta* 113(1):167-174. Ref. Jan.11,1966. 381 B522
- 35280 PAPPELIS, A. J., and SCHMID, W. E. Comparative nutrient element content of two yeast extracts. *Mycologia* 57(6):974-975. Nov./Dec. 1965. 450 M99

- 35281 PARRISH, F. W., and others. Production of aflatoxins and kojic acid by species of *Aspergillus* and *Penicillium*. *Appl. Microbiol.* 14(1): 139. Jan.1966. 448.3 Ap5
B. J. Wiley, E. G. Simmons, and L. Long, joint authors.
- 35282 PATTABHIRAMAN, T. R. An investigation for alkaloids in *Charpentiera obovata* Gaud. *Diss. Abs.* 26(6):3044-3045. Dec.1965. 241.8 M58
- 35283 PATTEE, H. E., and SHANNON, L. M. Malonate biosynthesis via oxaloacetate in plant tissues. *Bot. Gaz.* 126(3):179-181. Ref. Sept. 1965. 450 B652
- 35284 PEAT, S., and TURVEY, J. R. Polysaccharides of marine algae. *Fortschr. Chem. Org. Naturstoffe* 23:1-45. Ref. 1965. 384 F773
Literature review.
- 35285 PETROCHENKO, E. I., and KOLESNIKOV, P. A. Participation of phenols in the fermentative oxidation of NAD-H₂. (Rus) *Akad. Nauk SSSR. Dok.* 165(4):940-942. Ref. 1965. 511 P444A
In wheat.
- 35286 PIATTELLI, M., MINALE, L., and NICOLAUS, R. A. Pigments of *Centrosperma*. V. Betaxanthins from *Mirabilis jalapa* L. *Phytochemistry* 4(6):817-823. Nov.1965. 450 P5622
- 35287 PLENGVIDHYA, P., and BURRIS, R. H. Inhibitors of photophosphorylation and photoreduction. *Plant Physiol.* 40(6):997-1002. Ref. Nov.1965. 450 P692
Using spinach leaves.
- 35288 POLLARD, C. J., and others. Metabolic transformation of mevalonic acid by an enzyme system from peas. *Plant Physiol.* 41(1):66-70. Ref. Jan.1966. 450 P692
J. Bonner, A. J. Haagen-Smit, and C. C. Nimmo, joint authors.
- 35289 PONERT, J. Oxalic acid in spinach. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):303-306. Ref. Mar.1965. 64.9 C33
English summary.
- 35290 POPOV, V. R. Oxidative enzymes in the tea plant. (Rus) *Biokhimiya* 30(6):1137-1141. Ref. Nov./Dec.1965. 385 B523
English summary.
- 35291 PRIDHAM, J. B., and HASSID, W. Z. Biosynthesis of raffinose. *Plant Physiol.* 40(6):984-986. Ref. 450 P692
Enzyme obtained from broadbeans synthesizing raffinose.
- 35292 PRIDHAM, J. B. Phenol-carbohydrate derivatives in higher plants. *Advances Carb. Chem.* 20:371-408. Ref. 1965. 381 Ad9
Literature review.
- 35293 PRIESTLEY, C. A. A new method for the estimation of the resources of apple trees. *J. Sci. Food Agr.* 16(12):717-721. Dec.1965. 382 So12
Plant tissue analysis.
- 35294 PURDIE, J. W., and HOLT, A. S. Structures of *Chlorobium chlorophylls* (650). *Canad. J. Chem.* 43(12):3347-3353. Ref. Dec.1965. 470 C16B
- 35295 QUEVAUVILLER, A., FOUSSARD-BLANPIN, O., and POTTIER, J. Vobtusine, alkaloid from *Voacanga africana* Stapf. *Apocynaceae*. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4):821-825. 1965. 442.9 P21
- 35296 RAGLAND, T. E., and HACKETT, D. P. Radioactive tracer studies of the metabolic fates of intracellularly generated NADH and NADPH in higher plant tissues. *Plant Physiol.* 40(6): 1191-1197. Ref. Nov.1965. 450 P692
- 35297 RAMPAL, S. Note on vitamin C content in diploid and tetraploid *Capsicum*. *Cur. Sci.* 34(21): 614. Nov.5,1965. 475 Sci23
Chilli redpeppers.
- 35298 REIFER, I., and BURACZEWSKA, L. Enzymes and substrates of the ornithine cycle in perennial rye grass (*Lolium perenne*). 6 p. (OTS 61-11325) *Transl.* 14311
Translation from *Acta Biochimica Polonica* 6(2):227-233. 1959.
- 35299 REISERT, P. S. A preliminary study of *Chytromyces chitinase*. *Diss. Abs.* 26(6):3003. Dec.1965. 241.8 M58
- 35300 RIMPLER, H., and HANSEL, R. Two new chalcone pigments from *Helichrysum bracteatum* (Vent.) Willd. (Ge) *Arch. Pharm.* 298(12): 838-847. Dec.1965. 396.8 Ar2A
- 35301 RINNE, R. W., BUCKMAN, R. W., and BENEDICT, C. R. Acetate and bicarbonate metabolism in photosynthetic bacteria [*Rhodospirillum rubrum*]. *Plant Physiol.* 40(6):1066-1073. Ref. Nov.1965. 450 P692
- 35302 ROGOZINSKA, J. H., BRYAN, P. A., and WHALEY, W. G. Development changes in the distribution of carbohydrates in the maize root apex. *Phytochemistry* 4(6):919-924. Ref. Nov. 1965. 450 P5622
Sugars and starch.
- 35303 SAFONOV, V. I., and SAFONOVA, M. P. Albumins of endosperm and embryo of wheat caryopsis (real heterogeneity of "leucosine"). (Rus) *Akad. Nauk SSSR. Dok.* 165(3):704-707. Ref. 1965. 511 P444A
- 35304 SANDERSON, G. W. On the nature of the enzyme catechol oxidase in tea plants. *Ceylon. Tea Res. Inst. Tea Quart.* 36(3):103-111. Ref. Sept.1965. 68.18 C33
- 35305 SCHLUBACH, H. H. Carbohydrate metabolism of barley, oats, and millet. (Ge) *Fortschr. Chem. Org. Naturstoffe* 23:46-60. Ref. 1965. 384 F773
Literature survey.
- 35306 SCHMIDT, K., PFENNIG, N., and JENSEN, S. L. Carotenoids of *Thiorhodaceae*. IV. The carotenoid composition of 25 pure isolates. *Arch. Mikrobiol.* 52(2):132-146. Ref. Oct.14, 1965. 442.8 Ar26
- 35307 SEŠHADRI, T. R., and VASISHTA, K. Polyphenols of the leaves of *Psidium guava-querce-tin*, gualjaverin, leucocyanidin and amritoside. *Phytochemistry* 4(6):989-992. Nov.1965. 450 P5622
- 35308 SETH, A., and WAREING, P. F. Isolation of a kinin-like root-factor in *Phaseolus vulgaris*. *Life Sci.* 4(23):2275-2280. Ref. Dec. 1965. 442.8 L62
- 35309 SHARMA, R. K., and others. Phytochemical investigation of the genus *Crotalaria*. V. Occurrence of tertiary bases and their N-oxides in Indian *Crotalaria*. *Lloydia* 28(3):209-211. Ref. Sept.1965. 442.8 L77
A. V. Kasture, K. K. Kapoor, and C. K. Atal, joint authors.
Alkaloids.
- 35310 SHEPHARD, D. C. An autoradiographic comparison of the effects of enucleation and actinomycin D on the incorporation of nucleic acid and protein precursors by *Acetabularia chloroplasts*. *Biochim. Biophys. Acta* 108(4):635-643. Ref. Dec.9,1965. 381 B522
- 35311 SHIBATA, M., YAMAZAKI, K., and ISHIKURA, N. Eichhornin, a new anthocyanin isolated from the flower of the water hyacinth. *Bot. Mag. Tokyo* 78(926/927):299-305. Ref. Aug./Sept.1965. 450 B651
Eichhornia crassipes.
- 35312 SHIBUYA, I., MARUO, B., and BENSON, A. A. Sulfolipid localization in lamellar lipoprotein. *Plant Physiol.* 40(6):1251-1256. Ref. Nov.1965. 450 P692
In *Lemna perpusilla*.

- 35313 SHICHI, H. Chlorophyll-containing proteolipid from spinach chloroplasts. *Agr. Biol. Chem.* 29(9):876-879. Ref. Sept.1965. 385 Ag8B
- 35314 SHIGESADA, K., and others. Biosynthesis of glutamate in photosynthetic bacteria. *Biochim. Biophys. Acta* 112(1):182-185. Ref. Jan.4, 1966. 381 B522
K. Hidaka, H. Katsuki, and S. Tanaka, joint authors.
- 35315 EL-SISSI, H. I., and others. Local plants as potential sources of tannins and the isolation of their free and combined sugars. I. *Mangifera indica*. *Qualitas Plant. Mater. Veg.* 12(3):262-268. Ref. Sept.30,1965. 64.8 M41
N. A. M. Saleh, A. E. A. El Sherbeiny, and M. A. I. El Ansary, joint authors.
- 35316 SMILLIE, R. M. Isolation of phytoflavin, a flavoprotein with chloroplast ferredoxin activity. *Plant Physiol.* 40(6):1124-1128. Ref. Nov. 1965. 450 P692
From *Anacystis nidulans*.
- 35317 SPALENY, J., KUTACEK, M., and OPLISTILOVA, K. On the metabolism of $S^{35}O_2$ in the leaves of cauliflower *Brassica oleracea* var. botrytis L.). *Int. J. Air Water Pollut.* 9(9):525-530. Ref. Sept.1965. 449.8 In8
- 35318 STAHL, E., and KALTENBACH, U. The basic components of Aaron's-rod (*Arum maculatum* L.). (Ge) *Arch. Pharm.* 298(9):599-604. Ref. Sept.1965. 396.8 Ar2A
- 35319 STODDART, J. L. Chemical changes in *Lolium temulentum* L. after treatment with (2-chloroethyl) trimethylammonium chloride (CCC). *J. Expt. Bot.* 16(49):604-613. Ref. Nov.1965. 450 J8224
- 35320 STOESSL, A. The antifungal factors in barley. III. Isolation of p-coumaroylagmatine. *Phytochemistry* 4(6):973-976. Ref. Nov.1965. 450 P5622
- 35321 STORCK, R. Nucleotide composition of nucleic acids of fungi. II. Deoxyribonucleic acids. *J. Bact.* 91(1):227-230. Ref. Jan.1966. 448.3 J82
- 35322 STURANI, E., and COCUCCI, S. Changes of the RNA system in the endosperm of ripening castor bean seeds. *Life Sci.* 4(20):1937-1944. Ref. Oct.1965. 442.8 L62
- 35323 TADDEI, I. Essential oil content in inflorescences of *Lavandula officinalis* at various hours of the day. (It) *Riv. Ital. Essenze-Pro-fumi-Piante Offic.-Aromi-Saponi-Cosmet.* 47(12):643-646. Dec.1965. 308.8 R52
- 35324 TAIRBEKOV, M. G., KAZANTSEV, E. N., and TAGEEVA, S. V. Synthesis and decomposition of ATP as function of cytoplasm motion in plant cell. (Rus) *Biokhimiya* 30(6):1285-1291. Ref. Nov./Dec.1965. 385 B523
English summary.
Corn.
- 35325 TANNER, W. H., and BEEVERS, H. Glycolic acid oxidase in castor bean endosperm. *Plant Physiol.* 40(6):971-976. Ref. Nov.1965. 450 P692
- 35326 TATEOKA, T. N. Metabolism of shikimic acid in hypocotyls of etiolated mung bean seedlings. *Bot. Mag. Tokyo* 78(926/927):294-298. Ref. Aug./Sept.1965. 450 B651
- 35327 TETENYI, P. Chemical differentiation of *Atropa belladonna* L. (Hu) *Kiserletugyi Kozlemenyek* 58/C(1):3-14. Ref. 1965. 105.9 H89
English summary.
In relation to alkaloid level.
- 35328 TEWARI, K. K., JAYARAMAN, J., and MAHLER, H. R. Separation and characterization of mitochondrial DNA from yeast. *Biochem. Biophys. Res. Commun.* 21(2):141-148. Ref. Oct.26,1965. 442.8 B5236
- 35329 TIRIMANNA, A. S. L., and WICKREMASINGHE, R. L. Studies on the quality and flavour of tea. 2. The carotenoids. *Ceylon. Tea Res. Inst. Tea Quart.* 36(3):115-121. Ref. Sept.1965. 68.18 C33
- 35330 TSCHIERPE, H. J., and SINDEN, J. W. On the easily volatile products of the aerobic and anaerobic metabolism of the cultivated mushroom, *Agaricus campestris* var. *bisporus* (L.) Lge. (Ge) *Arch. Mikrobiol.* 52(3):231-241. Ref. Oct.25,1965. 442.8 Ar26
- 35331 TURNER, D. H., and others. Triosephosphate isomerase of pea seeds. *Plant Physiol.* 40(6):1146-1150. Ref. Nov.1965. 450 P692
E. S. Blanch, M. Gibbs, and J. F. Turner, joint authors.
- 35332 TURNER, N. A., and REDGWELL, R. J. A mixed layer for separation of amino acids by thin-layer chromatography. *J. Chromatography* 21(1):129-132. Jan.1966. 475 J824
In fruit.
- 35333 URIBE, E. G., and CONN, E. E. The metabolism of aromatic compounds in higher plants. VII. The origin of the nitrile nitrogen atom of dhurrin (beta-delta-glucopyranosyloxy-lambda-p-hydroxymandelonitrile). *J. Biol. Chem.* 241(1):92-94. Ref. Jan.14,1966. 381 J824
Sorghum seedlings.
- 35334 VAN BRAGT, J., ROHRBAUGH, L. M., and WENDER, S. H. Identification of neochlorogenic and 3-O-feruloylquinic acids in tomato plants. *Phytochemistry* 4(6):977-979. Nov. 1965. 450 P5622
- 35335 VARSHNEY, I. P., and SHARMA, S. C. Saponins and sapogenins. XXIX. The sapogenin of *Solanum nigrum* L. berries. *Phytochemistry* 4(6):967-968. Nov.1965. 450 P5622
- 35336 VECHER, A. S., and RESHETNIKOV, V. N. On variations in protein nature of some potato varieties. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(10):690-694. Ref. Oct.1965. 511 M663D
- 35337 VILLEMEZ, C. L., LIN, T. Y., and HASSID, W. Z. Biosynthesis of the polygalacturonic acid chain of pectin by a particulate enzyme preparation from *Phaseolus aureus* seedlings. *Nat. Acad. Sci. Proc.* 54(6):1626-1632. Ref. Dec.1965. 500 N21P
- 35338 VOLLMER, K. O., REISENER, H. J., and GRIEBACH, H. The formation of acetic acid from p-hydroxycinnamic acid during its degradation to p-hydroxybenzoic acid in wheat shoots. *Biochem. Biophys. Res. Commun.* 21(3):221-225. Ref. Nov.8,1965. 442.8 B5236
- 35339 WARNHOFF, E. W., and HALLS, C. M. M. Desert plant constituents. II. Ocotillol: an intermediate in the oxidation of hydroxy isocotenyl side chains. *Canad. J. Chem.* 43(12):3311-3321. Ref. Dec.1965. 470 C16B
A triterpene; in *Fouquieria splendens*.
- 35340 WEBSTER, R. E. Studies on the alpha-isopropylmalate synthetase of *Neurospora*. *Diss. Abs.* 26(6):2994. Dec.1965. 241.8 M58
- 35341 WEIMBERG, R., and ORTON, W. L. Elution of exocellular enzymes from *Saccharomyces fragilis* and *Saccharomyces cerevisiae*. *J. Bact.* 91(1):1-13. Ref. Jan.1966. 448.3 J82
- 35342 WENNSTROM, J. I., and GARBER, E. D. The genus *Collinsia*. XXVII. Separation of esterases and acid phosphatases in extracts from twelve species and one interspecific hybrid by starch-gel zone electrophoresis. *Bot. Gaz.* 126(3):223-225. Sept.1965. 450 B652
- 35343 WINGET, G. D., IZAWA, S., and GOOD, N. E. The stoichiometry of photophosphorylation. *Biochem. Biophys. Res. Commun.* 21(5):438-443. Dec.9,1965. 442.8 B5236
Chloroplasts from spinach, peas, and *Phytolacca americana*.
- 35344 YAMADA, H., ADACHI, O., and OGATA, K. Amine oxidases of microorganisms. III. Properties of amine oxidase of *Aspergillus niger*. *Agr. Biol. Chem.* 29(9):864-869. Ref. Sept. 1965. 385 Ag8B

- 35345 YANG, K. S., and WALLER, G. R. Biosynthesis of the pyridine ring of ricinine from quino-
linic acid glycerol and aspartic acid. *Phyto-*
chemistry 4(6):881-889. Ref. Nov.1965.
450 P5622
In castorbeans; tests using radioactive
carbon.
- 35346 ZITKO, V., and BISHOP, C. T. Fractionation
of pectins from sunflowers, sugar beets, ap-
ples, and citrus fruits. *Canad. J. Chem.* 43
(12):3206-3214. Ref. Dec.1965. 470 C16B

FIELD CROPS

Includes articles on general agronomy and on crop va-
rieties, breeding, cultural practices, and yield.

General

- 35347 AKERBERG, E. Our crop culture—future
prospects from a biological and economic point
of view. (Sw) *Stiftelse. Svenska Lantbruks-*
veckan. Lantbruksveckan 1964:17-36. 11 Sw34
Field crops.
- 35348 BRAUM, H. Can we give up the crop rotation?
(Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1784,
1786-1787. Nov.18,1965. 18 N39
- 35349 CALLEBAUT, P. Varietal research in crops.
(Fl) *Land- Tuinbouw Jaarboek* 20:19-22. 1965.
13 L22
Field crops.
- 35350 CHISCI, G. C., and CESARINI-BRUNELLI, R.
Use of covariance analysis to improve the ac-
curacy of field experiments on fodder beets.
(It) *Ann. Serpim. Agr. (n.s.)* 16(1/2):53-69.
Ref. 1962, pub.1965. 16 An76
English summary.
- 35351 DEERING, R. E. Narrow-row management.
Farm Quart. 21(1):76-77,114,116,119-120,122.
1966. 6 F22995
Field crops general culture.
- 35352 FEIFFER, R. Innovations in seed threshing.
(Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirt-*
sch. 6(3):136-137. Mar.1965. 18 W763
- 35353 GAVRILITA, P. Cultural practices of field
crops grown for seeds. (Rum) *Rev. Gosp.*
Agr. Stat 17(5):2-3,14. May 1965. 21 R32
- 35354 GEORGIA. AGRICULTURAL EXPERIMENT
STATION. 1965 field crop variety trials. *Ga.*
Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 245,81 p.
Jan.1966. 100 G293M
- 35355 GORIN, A. P. Problems of flowering, pollina-
tion and yielding of field crops. (Rus) *Vestnik*
Sel'skokhoz. Nauk. [Moscow] 12:139-142.
Dec.1965. 20 V633
Activities of Timiryazev Agricultural Akade-
my. Cathedral of Genetics and Growing of Seeds
for Field crops [Timiryazevskaya Sel'skokhoz-
yaistvennaya Akademiya. Kafedra Genetiki i
Semenovodstva Polevykh Kul'tur].
- 35356 GRAVES, C. R., and FRIBOURG, H. A. 1965
performance trials of field crop varieties.
Tenn. Agr. Exp. Sta. Bull. 396,70 p. Dec.1965.
100 T258
- 35357 GRUCHOW, R. New varieties of agricultural
economic plants, 1964. (Ge) *WTF (Wiss.-*
Tech. Fortschr.) Feldwirtsch. 6(5):231-232.
May 1965. 18 W763
Field crops.
- 35358 HORYNOVA, A., MACEK, J., and VODAKOVA,
J. *Zaklady zemedelske vyroby. 2. Obecna*
roslinna vyroba [Principles of agronomy. 2.
General plant production]. Praha, Statni Peda-
gogicke Nakladatelstvi, 1965. 202 p. Ref.
S517.H6
- 35359 JENSEN, M. E., and SLETTEN, W. H. Effects
of alfalfa, crop sequence, and tillage practice
on intake rates of Pullman silty clay loam and
grain yields. *U. S. Agr. Res. Serv. Conserv.*
Res. Rep. 1,25 p. Aug.1965. A279.9 Ag8
Texas Agricultural Experiment Station, co-
operating.
Wheat and grain sorghum in Texas.

- 35360 KOEHLER, G. Modern procedures in seed and
nursery stock production. (Ge) *WTF (Wiss.-*
Tech. Fortschr.) Feldwirtsch. 6(3):107-108.
Mar.1965. 18 W763
- 35361 LANG, G. Analysis of the situation in crop
husbandry and of the factors affecting develop-
ment. *Acta Agron. [Budapest]* 15(3/4):337-371.
1965. 19 Ac8
- 35362 MARBACH, W. Farming and plant culture re-
view. (Ge) *Grune* 93(31):1091-1093. July 30,
1965. 17 Sch9
Field crop conditions in Switzerland.
- 35363 NORFOLK (ENGLAND) AGRICULTURAL STA-
TION. *Farm guide* 1965. Sprowston, Norwich,
1965. 44 p. 103 N76F
- 35364 PAMMER, F. Plant culture report 1964. (Ge)
Vienna. Bundesanst. Pflanzenbau Samenprufung.
Jahrbuch 1964:6-22. 1965. 105.9 V675
Signed reports on field crop culture.
- 35365 RAGALLER, F. Several years' research on
winter catch crops in central Germany. (Ge)
Z. Landwirt. Versuchs- Untersuchwesen 10(6):
455-491. Ref. 1964. 18 Z32
English summary.
- 35366 SPECHT, G. Successful second crop culture
through correct cultural technique and timely
harvesting of winter catch crops. (Ge) *WTF*
(Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):185-
188. Apr.1965. 18 W763
- 35367 THOMPSON, D. E. Narrow-row crops. *Farm*
Quart. 21(1):72-73,122,124-125. 1966.
6 F22995
Field crop planting.
- 35368 VIENNA. BUNDESANSTALT FUR PFLANZEN-
BAU UND SAMENPRUFUNG. *Jahrbuch [Year-*
book], 1964. Vienna, 1965. 196 p. Ref.
105.9 V675
- 35369 YLLO, L. Comparative trials with root crops
at the Department of Plant Husbandry in 1959-
64. (Fi) *Ann. Agr. Fenn.* 4(3):215-222. 1965.
20 An7
English summary.

Cereals

- 35370 ACKERMANN, D. The yield of barley vari-
eties. (Ge) *WTF (Wiss.-Tech. Fortschr.)*
Feldwirtsch. 6(3):134-135. Mar.1965. 18 W763
- 35371 BENG'TSSON, A. Nya varsadessorter [New
spring grain varieties]. Uppsala. Lantbruk-
shogsk. Aktuellt Lantbrukshogsk. 79,19 p.,
map. 1966. 11 Up62A
Barley and oats.
- 35372 BOCKSTAELE, L. Quality malting barley.
(Fl) *Land- Tuinbouw Jaarboek* 20:33-37. 1965.
13 L22
Culture and harvesting.
- 35373 BONNEMANN, J. J. 1965 South Dakota corn
performance trials. *S. Dak. Agr. Exp. Sta.*
Circ. 174,20 p.,map. Jan.1966. 100 So82
- 35374 BONNEMANN, J. J. 1965 South Dakota grain
sorghum performance trials. *S. Dak. Agr. Exp.*
Sta. Circ. 175,16 p. Jan.1966. 100 So82
- 35375 BONNEMANN, J. J. South Dakota standard
variety small grain trials, 1961-1965. *S. Dak.*
Agr. Exp. Sta. Circ. 173,32 p.,map. Jan.1966.
100 So82
- 35376 CALDWELL, R. M., and others. Harrison win-
ter barley. *Ind. Agr. Exp. Sta. Res. Bull.* 801,
8 p. Aug.1965. 100 In2P
L. E. Compton, J. F. Schafer, and F. L. Pat-
terson, joint authors.
U. S. Department of Agriculture, cooperating.
- 35377 CATTABRIGA, D. An interesting experiment
in corn monoculture. (It) *Raccolto* 6(10):150-
151. Oct.31,1965. 16 R11
- 35378 CHALAM, G. V. New rice with big promise.
Yojana 9(16):2-3,29. Aug.15,1965. 280.8 Y7
- 35379 CHEKHOVSKAYA, E. S. Sterile forms of win-
ter wheat. (Rus) *Selekt. Semenovodstvo* 5:53-
54. Sept./Oct.1965. 61.9 Se5

- 35380 COMPTON, L. E., and others. Tyler spring oats. Ind. Agr. Exp. Sta. Res. Progr. Rep. 214, 2 p. Jan.1966. 100 In2Res
R. M. Caldwell, J. F. Schafer, and F. L. Patterson, joint authors.
- 35381 CRANE, P. L., PURDY, J. L., and DUCLOS, L. A. Performance of commercial dent corn hybrids in Indiana, 1962-1965. Ind. Agr. Exp. Sta. Res. Bull. 807, 12 p., map. Jan. 1966. 100 In2P
- 35382 CROXALL, H. E., and SMITH, L. P. Sowing dates for winter wheat. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:147-149. Summer 1965. 241 G796
- 35383 DION, H. G. Wheat production in the "New Lands" of the U.S.S.R. Agr. Inst. Rev. 21(1):5-8. Jan./Feb.1966. 7 Ag8
- 35384 DREIER, A. F., and others. Nebraska corn performance tests, 1965. Nebr. Agr. Exp. Sta. Outstate Testing Circ. 119, 47 p., map. Dec. 1965. 100 N270
P. H. Grabouski, F. N. Anderson, P. L. Ehlers, U. U. Alexander and E. J. Schwartz, joint authors.
- 35385 FELLETTI, G. How to increase production in the corn grain. (It) Agr. Spezia 15(4):88-89. Apr.1965. 16 Ag8229
Hybrids and culture.
- 35386 GALINDO, A. Oat culture. (Sp) Cult. Mod. 48 (7):259. July 1965. 15 C89
- 35387 GUERIN, P. M. Bundy--the breeder's report; a new mid-season oat variety for northern New South Wales. Agr. Gaz. New S. Wales 76 (11):667-669. Nov.1965. 23 N472
- 35388 HEYNE, E. G., and SIDDIG, M. A. Intro-cultivar variation in hard red winter wheat. Agron. J. 57(6):621-624. Nov./Dec.1965. 4 Am34P
- 35389 HIRANO, J., EGUCHI, A., and EGUCHI, H. Studies on the selection of parental materials for breeding of good-quality varieties in wheat. 1. Varietal differences of quality, interrelationships of quality characteristics, and preliminary selection of parental materials. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:1-19. Ref. Dec.1964. 107.6 H572H
English summary.
- 35390 HOLLAND, R. F. Hybrid wheat--when? Crops Soils 18(5):6-7. Feb.1966. 6 W55
Breeding.
- 35391 HOLT, R. F., and others. Production factors for corn in the northwest Corn Belt area. U. S. Agr. Res. Serv. ARS-41-110, 38 p. Oct.1965. A56.9 R31
D. R. Timmons, R. R. Allmaras, A. C. Caldwell, C. E. Gates, and F. E. Shubeck, joint authors.
South Dakota and Minnesota Agricultural Experiment Station, cooperating.
Experimental designs applied to culture.
- 35392 HOPKINS, J. M. Grain barley, a payable crop and a valuable stock food. New Zeal. J. Agr. 111(7):61,63. Dec.1965. 23 N48J
- 35393 IVANNIKOV, V. F., and GLUKHOVTSOVA, N. I. Initial material in selection of spring wheat on Kinel Station. (Rus) Agrobiologiya 6(156):835-839. Nov./Dec.1965. 20 Ag822
- 35394 JENSEN, N. F. Catskill holds promise as New York crop. Farm Res. [N. Y. Sta.] 31(2):14. July/Sept.1965. 100 N48A
A winter barley.
- 35395 KISS, A. Improvement of the fertility of triticale. Acta Agron. [Budapest] 15(3/4):189-201. Ref. 1965. 19 Ac8
Wheat and rye hybrids.
- 35396 KONISHI, T., SUGISHIMA, H., and KIRIYAMA, T. Difference in stability of performance between two-rowed and six-rowed barley varietal groups. Kyushu Agr. Exp. Sta. Bull. 11(1):1-11. Ref. July 1965. 107.6 K996B
- 35397 KOZLOV, YU. D. Speedy evaluation of selection material by proper irrigation and fertilization. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 9:128-132. 1965. 20 V633
English summary.
Wheat.
- 35398 KRAVCHENKO, M. L. Formation of winter varieties of hard wheat by the crossing of hard wheat with the *Secale cereale* v. *viride*. (Rus) Agrobiologiya 4:520-527. Ref. Aug.1965. 20 Ag822
- 35399 LANZA, F. Present situation of Italian corn culture. (It) Raccolto 6(5):67-70, 75-76. Ref. May 31, 1965. 16 R11
- 35400 LINDEGAARD, J. Trials with winter grain varieties. (Da) Landbonyt 19(6):219-220, 222. June 1965. 11 L2322
- 35401 MAMEDOVA, SH. YA. Wheat hybrids, promising and resistant to rust under various ecological conditions of Azerbaijan. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(5):85-88. 1965. 511 Ak147D
Breeding.
- 35402 MARTILLI, M. Improvement of wheat yields. (It) Raccolto 6(10):147-149. Oct.31, 1965. 16 R11
Culture.
- 35403 MATHEWS, D. L. The best information available--collected from 11 states. Agway Coop. 2(2):6-7. Feb.1966. 280.28 Ag9
Corn culture.
- 35404 MESCH, J. Examination of the biotype (life habit) of wheat varieties. Acta Agron. [Budapest] 15(3/4):261-273. Ref. 1965. 19 Ac8
- 35405 MESTER, L. Monoculture experiments with rye. (Hu) Magyar Mezogazdasag 20(46):9. Nov.17, 1965. 19 M27
- 35406 MORITA, T. Growing rice and barley at Zentsuji. (Ja) Shikoku Agr. Exp. Sta. Bull. 13:167-196. Sept.1965. 107.6 Z4
English summary.
- 35407 NAGATA, I. Sekai no kome [Rice of the world]. Tokyo, Ienohikari Kyokai, 1965. 228 p. SB191.R5N3
- 35408 NAVRATIL, J. Problem of the culture of winter barley. (Cz) Za Vysokou Urodu 13(9):325-326. Aug.30, 1965. 64.8 Z12
Planting date and yields.
- 35409 PARDEE, W. D. What's coming in hybrid corn? Hoard's Dairymen 111(2):73. Jan.25, 1966. 44.8 H65
Breeding of drought and disease resistant varieties.
- 35410 PARKS, W. L., and others. Plant population and row spacing for corn. Tenn. Agr. Exp. Sta. Bull. 392, 16 p. May 1965. 100 T25S
J. A. Odom, J. R. Overton, E. J. Chapman, joint authors.
Includes yields.
- 35411 PATEL, J. P. Evaluating the various factors of the "Japanese method" of rice cultivation in India. Agron. J. 57(6):567-572. Ref. Nov./Dec. 1965. 4 Am34P
- 35412 PRATS, J. What kind of wheat to sow this autumn? (Fr) Avenir Agr. 5:12-17. Sept./Oct. 1965. 14 Av32
- 35413 RAO, G. M. Studies on hybrid vigour in inter-racial hybrids of rice (*Oryza sativa* Linn). Andhra Agr. J. 12(1):1-12. Ref. 1965. 34.2 An4
- 35414 SCARSBROOK, C. E., and COPE, J. T. Match nitrogen and spacing for most profitable corn yields. Highlights Agr. Res. [Ala. Sta.] 12(4):16. Winter 1965. 100 AL1H
- 35415 SCHAFER, J. F., and others. Clintford spring oats. Ind. Agr. Exp. Sta. Res. Progr. Rep. 213, 2 p. Jan.1966. 100 In2Res
F. L. Patterson, R. M. Caldwell, and L. E. Compton, joint authors.
Includes yields of several varieties.

- 35416 SHAALAN, M. I. Breeding wheat for resistance to leaf rust, stem rust, bunt, soil-borne wheat mosaic virus, and wheat streak-mosaic virus. Diss. Abs. 26(6):2969. Dec.1965. 241.8 M58
- 35417 STICKLER, F. C., and WEARDEN, S. Yield and yield components of grain sorghum as affected by row width and stand density. Agron. J. 57(6): 546-567. Nov./Dec.1965. 4 Am34P
- 35418 STIVERS, R. K., and others. Small grain varieties for Indiana—characteristics, performance, 1961-65, and recommendations for 1966. Ind. Agr. Exp. Sta. Res. Bull. 805,12 p.,map. Jan.1966. 100 In2P
F. L. Patterson, O. W. Luettgemeier, M. L. Swearingin, L. E. Compton, R. M. Caldwell, J. F. Schafer, R. L. Gallun, and D. R. Griffith, joint authors.
U. S. Department of Agriculture, cooperating.
- 35419 TEXAS. AGRICULTURAL EXPERIMENT STATION. RS 671, a medium-late maturing grain sorghum hybrid. Tex. Agr. Exp. Sta. L-648, 4 p. June 1965. 275.29 T313
- 35420 TUTT, C. R., LOEFFEL, F. A., and THORNDALE, D. E. Results of the Kentucky hybrid corn performance test in 1965. Ky. Agr. Exp. Sta. Progr. Rep. 158,24 p. Jan.1966. 100 K41Pr
- 35421 VACZI, D. Utilization of the large varieties of hybrid corn. (Hu) Magyar Mezogazdasag 21 (2):9. Jan.12,1966. 19 M27
Culture.
- 35422 VLACH, M. Wheat varieties suitable for fall planting. (Cz) Za Vysokou Urodu 13(9):324-325. Aug.30,1965. 64.8 Z12
- 35423 VLADIMIROV, N. S., and KHVATOVA, M. N. Some early maturing corn hybrids. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2: 107-112. 1964. 451 N853
Includes breeding.
- 35424 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Haver [Oats], 1966. Wageningen. Inst. Rassenonderzoek Landbougewassen. Ber Rassenkeuze 379,4 p. Nov.1965. 64.9 W12
Variety trials.
- 35425 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Zomergerst [Summer barley], 1966. Wageningen. Ber. Rassenkeuze 378,6 p. Nov.1965. 64.9 W12
Variety trials.
- 35426 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Zomertarwe [Summer wheat], 1966. Wageningen. Inst. Rassenonderzoek Landbougewassen. Ber. Rassenkeuze 377,3 p. Nov.1965. 64.9 W12
Varieties.
- 35427 WHEAT FLOUR INSTITUTE. From wheat to flour; the study of man in a grain of wheat. Rev. ed. Chicago, 1965. 76 p.,map. SB191.W5W48
- 35428 YORK, J. O. Arkansas corn performance tests for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 151,22 p. Jan.1966. 100 Ar42M
- 35429 YORK, J. O. Arkansas grain sorghum performance tests for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 153,12 p. Jan.1966. 100 Ar42M
- 35430 ZHELEZNOV, A. V. Use of closely related species in breeding of buckwheat. (Rus) Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr. 2:97-103. 1964. 451 N853
- 35431 ZWEIFLER, E. Problems of Austrian corn culture. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:102-131. Ref. 1965. 105.9 V675
- 35433 FUNAIOLI, U. Present aspects and trends in cotton culture in the United States of America with particular reference to its mechanization. (It) Riv. Agr. Subtrop. Trop. 59(4/6):164-217, map. (Cont.) Apr./June 1965. 26 Ag82
- 35434 HUGHES, C. Eastern Arkansas cotton variety tests for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 150,14 p. Jan.1966. 100 Ar42M
- 35435 HUGHES, C. Southwest Arkansas cotton variety test for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 149,5 p. Jan.1966. 100 Ar42M
- 35436 MELVILLE, D. R., and OAKES, J. Y. Skip-row cotton planting on sandy and clay soils. La. Agr. 9(2):3,16. Winter 1965/66. 100 L939
- 35437 SPRATT, E. The new crop in Australia. Cotton Gin Oil Mill Press 66(20):20-21. Sept.25, 1965. 304.8 C822
Cotton culture by Americans.
- Forage Crops and Grasses**
- 35438 ALBERDA, T. The problems of relating greenhouse and controlled environmental work to sward conditions. Brit. Grassland Soc. J. 20 (1):41-48. Ref. Mar.1965. 60.19 B773
- 35439 ANDREEV, N. G. Study of pastures and meadows improvement. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:147-149. Dec.1965. 20 V633
Timiryazev Agricultural Academy. Chair for Pasture and Meadow management [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Kafedra Lugovodstva].
- 35440 ANDRIES, A. Establishment of clover-rich temporary grassland. (Fl) Land- Tuinbouw Jaarboek 20:23-27. 1965. 13 L22
- 35441 BAILEY, E. T. Yield trials of Vicia sativa L. in the wheat belt of Western Australia. Australian J. Exp. Agr. Anim. Husb. 5(19):466-469, map. Nov.1965. 23 Au792
- 35442 BANDYOPADHYAY, M. N. Studies on the influence of companion crops on the establishment of alfalfa and birdsfoot trefoil. Diss. Abs. 26(6):2957-2958. Dec.1965. 241.8 M58
- 35443 BATZ, G., and KAPPEL, W. Experiences with the mixed culture of silage and green corn with legumes in the DDT. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):222-223. May 1965. 18 W763
- 35444 BOGDAN, A. V. Cultivated varieties of tropical and subtropical herbage plants in Kenya. East Afr. Agr. Forest. J. 30(4):330-338. Apr. 1965. 24 Ea74
Grasses and legumes.
- 35445 BRAMBERG, E. Tall grass or low grass as pasture plant in southern Sweden. (Sw) Malmohus Lans Hushallningssaallsk. Kvartalsskr. 2:226-230. 1965. 11 M29
- 35446 BRYAN, W. W., and SHARPE, J. P. The effect of urea and cutting treatments on the production of Pangola grass [Digitaria decumbens] in south-eastern Queensland. Australian J. Exp. Agr. Anim. Husb. 5(19):433-441. Ref. Nov. 1965. 23 Au792
- 35447 CHARLES, A. H. Interactions of grass, clover and nurse crop in the seeding year. Brit. Grassland Soc. J. 20(4):241-247. Dec.1965. 60.19 B773
- 35448 CHISHILM, A. H. Towards the determination of optimum stocking rates in the high rainfall zone. Armidale. Univ. New Engl. Fac. Agr. Econ. Farm Manage. Rep. 9,27 p. 1965. 281.9 Ar52
Pasture management in Australia.
- 35449 CLARY, W. P. A method for predicting potential herbage yield on the Beaver Creek Pilot Watersheds. Amer. Soc. Agron. ASA. Spec. Publ. 5:244-250. Ref. Oct.1964. 64.9 Am3
In Arizona.
- 35450 DAVIS, R. L., and others. Alfalfa trueness-to-type or variety testing. Ind. Agr. Exp. Sta. Res. Bull. 802,16 p. Aug.1965. 100 In2P
A. S. Carter, R. J. Buker, E. Coleman, and M. Schonhorst, joint authors.

Fiber Crops

- 35432 DATTA, R. M., and BOSE, M. M. Interspecific hybridization between different species of Corchorus (jute). Jute Bull. 28(8):176-179. Ref. Nov.1965. 73.38 In2

- 35451 DORTER, K. Possibilities of increasing grassland production in Harz. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(3):119-121. Mar.1965. 18 W763
- 35452 DRAKE, H. Seed and oil plant culture in Jonkopings Province. (Sw) Jonkopings Lans Hushallningssallsk. Tidskr. 4:8-9. 1965. 11 J732
Includes culture of forage plants for seeds.
- 35453 DUFFY, R. G. Low natural fertility soils of Taieri Mouth can winter up to 20 ewe equivalents to the acre. New Zeal. J. Agr. 111(7):39, 41. Dec.1965. 23 N48J
- 35454 EBERHARDT, M. Procedures for obtaining winter forage from grassland and multiennial field forage culture under difficult weather conditions. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 5(5):208-210. May 1965. 18 W763
Harvesting and processing.
- 35455 FIALA, F. Ergebnisse der Futterruben-Versuche 1965 [Results of the forage beet trials 1965]. Vienna. Bundesanst. Pflanzenbau Samenprufung. Mitt. Versuchsergeb. 130, 18 p. Jan.1966. 64.9 V67
Varieties and yields.
- 35456 GEISLER, G. Seed production with large-grain legumes. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(3):123-124. Mar.1965. 18 W763
For forage.
- 35457 GREEN, J. O., and CORRALL, A. J. The testing of grass varieties in swards with clover: the effect of grass seed-rate in comparison of gross yield. Brit. Grassland Soc. J. 20(4):207-211. Dec.1965. 60.19 B773
Ryegrass varieties.
- 35458 GRISSOM, D. B. Hybrid developments on the horizon; legumes and grasses. Seed World 98 (3):6,8. Feb.11,1966. 61.8 Se52
- 35459 GROSSHANS, H. Pasture competition and economic level in grassland utilization. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6 (5):196-197. May 1965. 18 W763
- 35460 GUINARD, J. Cooperative development beginning with a technique. (Fr) Agriculture [Paris] 28(282):319,321-322. Oct.1965. 14 Ag823
Pasture management and silage production in France.
- 35461 GUSSEFELD, J. Review on the situation in hay harvesting technique. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):237-239. May 1965. 18 W763
Literature review.
- 35462 HAAG, W. Meadowgrass culture on the seed breeding VEG Salzmuende. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(3):125-126. Mar.1965. 18 W763
Poa.
- 35463 HALL, F. A. Glycine-based pastures for the North Coast. Agr. Gaz. New S. Wales 76(11): 642-648. Nov.1965. 23 N472
Glycine javanica.
- 35464 HALLOCK, D. L., BROWN, R. H., and BLASTER, R. E. Relative yield and composition of Ky. 31 fescue [*Festuca arundinacea*] and Coastal Bermudagrass [*Cynodon dactylon*] at four nitrogen levels. Agron. J. 57(6):539-542. Ref. Nov./Dec.1965. 4 Am34P
- 35465 HOLT, E. C. Seed production characteristics of some introduced warm-season grasses. Tex. Agr. Exp. Sta. Bull. 1038, 8 p. July 1965. 100 T31S
Chiefly bluestems *Dicanthium annulatum* and *D. caricosum*; and kleingrass (*Panicum coloratum*).
- 35466 HOVELAND, C. S., and MIKKELSEN, E. E. Clovers and flooding—some can take it, others cannot. Highlights Agr. Res. [Ala. Sta.] 12(4): 10. Winter 1965. 100 AL1H
Effects on yields.
- 35467 ISHIGAKI, C., and others. Study on a viable dairy farming system in paddy fields; case of periodical converting paddy field to upland with fodder growing. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:1-19. Dec.1964. 107.6 H572Ho
K. Nakamura, M. Matsumoto, Y. Kubo, and T. Kurosawa, joint authors.
English summary.
- 35468 JANOSSY, A. Investigations on red clover varieties to determine their value as parent material in breeding. (Ge) Zuchter 35(4):145-151. Ref. 1965. 442.8 Z8
Hungary.
- 35469 JOHNS, G. G., NICOL, G. R., and WATKIN, B. R. A modified capacitance probe technique for estimating pasture yield. I-II. Brit. Grassland Soc. J. 20(4):212-226. Dec.1965. 60.19 B773
- 35470 KAULITZKI, G. Green forage harvesting on type I LPG. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):202-203. May 1965. 18 W763
- 35471 KLATT, F. Problems of establishment of intensive irrigation crop rotations on the large socialist farm. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):159-161. Apr.1965. 18 W763
- 35472 KREBS, Scientific-technical recommendations in intensification of feed production. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6 (3):104-106. Mar.1965. 18 W763
- 35473 LAWRENCE, T., and ASHFORD, R. The productivity of intermediate wheatgrass as affected by initial harvest dates and recovery periods. Can. J. Plant Sci. 46(1):9-15. Ref. Jan.1966. 450 C16
Agropyron intermedium.
- 35474 LESHEM, J., and DOVRAT, A. Fodder beet variety trials, 1960-1964. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 506, 11 p. Sept. 1965. 107 R26
English summary.
- 35475 MCSWAIN, N. K. State mixed farm championship, 1964. J. Agr. [Melbourne] 63(11):496. Nov.1965. 23 V66J
Pasture management.
- 35476 NELSON, C. J., SCHMID, A. R., and CUYKENDALL, C. H. Performance of berseem clover (*Trifolium alexandrinum* L.) as a companion crops. Agron. J. 57(6):537-539. Nov./Dec.1965. 4 Am34P
Interplanting.
- 35477 OFFUTT, M. S. Alfalfa performance trials in Arkansas, 1957 to 1964. Ark. Agr. Exp. Sta. Rep. Ser. 147, 30 p. Ref. Feb.1966. 100 Ar42R
- 35478 OLSCHIEWSKI, H. The pasture book belongs on every pasture farm. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):200-201. May 1965. 18 W763
- 35479 PARDEE, W. D. Hybrid alfalfa is coming soon. Hoard's Dairyman 111(4):218. Feb.25,1966. 44.8 H65
- 35480 PFITZENMEYER, C. Lucerne [culture]. (Fr) Avenir Agr. 5:22-28. Sept./Oct.1965. 14 Av32
- 35481 PINCHUK, P. D. Productivity of monosperous forage beets. (Rus) Agrobiologiya 4: 619-620. Aug.1965. 20 Ag822
Continuation of his: "Breeding of monosperous forage beets."
- 35482 QUINLIVAN, B. J. The naturalised and cultivated annual medics [*Medicago*] of Western Australia. West. Australia. Dep. Agr. J. (ser.4)6(9):532-536,539-543. Sept.1965. 23 W52J
- 35483 RESMERITA, I., and SPIRCHEZ, Z. Research on utilization of grassland on sunny slopes of Transylvania. Probl. Agr. [Bucharest] 17(9): 96-103. Ref. Sept.1965. 21 R862
English summary.
Pasture management.

- 35481 ROF CODINA, J. Forage crops with complex seed mixtures. (Sp) Cult. Mod. 48(7):257-258. July 1965. 15 C89
- 35485 ROMBALDI, G. P. Summer hill herbage. (It) Avvenire Agr. 73(6):142-144. June 1965. 16 Av9
Culture.
- 35486 ROYES, V. Yield components in pigeon peas (*Cajanus cajan*). Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:50-54. 1964. 64.9 C19
Variety trials.
- 35487 SANTHIRASEGARAM, K., and BLACK, J. N. Agronomic practices aimed at reducing competition between cover crops and undersown pasture. Herbage Abs. 35(4):221-225. Ref. Dec.1965. 241 Im733
Literature review.
- 35488 SCHMIDT, K. Results of 1964 pasture competition in the Old March. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):197-200. May 1965. 18 W763
- 35489 SCHUMANN, G. Investigations on the suitability of anatomic and physiologic characteristics of the leaf for selection of high yielding plants of tall oatgrass and red clover. (Ge) Züchter 35(4):151-155. Ref. 1965. 442.8 Z8
Arrhenatherum elatius in East Germany.
- 35490 SCHUSTER, W. New breeds of sorghum for field forage culture. (Ge) Mitt. Deut. Landwirtschaft.-Ges. 79(47):1595-1597. Nov.19,1964. 18 N39
- 35491 SCHWEIGER, W. The influence of planting width and nitrogen fertilizing on yield of marrow cabbage. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):223-226. May 1965. 18 W763
- 35492 SHAW, N. H., and others. A comparison of seventeen introductions of *Paspalum* species and naturalized *P. dilatatum* undercutting at Samford, south-eastern Queensland. Australian J. Exp. Agr. Anim. Husband. 5(19):423-432. Ref. Nov.1965. 23 Au792
T. W. Elich, K. P. Haydock, and R. B. Waite, joint authors.
- 35493 SIMMONS, E. K. Champions in fodder conservation. J. Agr. [Melbourne] 63(11):493-496. Nov.1965. 23 V66J
Pasture management.
- 35494 SKAARE, S. Seed growing experiments with meadow fescue (*Festuca pratensis* Huds.). (No) Forsk. Forsk Landbruket 16(4):265-276. 1965. 11 F772
English summary.
- 35495 SKINNER, T. E. Save the bushman grasses. Farming S. Afr. 41(8):9,11-12, map. Nov.1965. 24 So842
Stipagrostis ciliata and *S. obtusa*.
- 35496 SLEPICKA, J., KRISTAN, F., and STRNAD, P. The effect of planting rate of the nurse crops on their yields and on the development of the companion crop. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(7):717-752. Ref. July 1965. 64.9 C33
English summary.
In forage plants rotation of crops.
- 35497 SOINI, S. A statistical study of factors affecting the yields of leys in local experiment fields. (Fi) Ann. Agr. Fenn. 4(3):185-206, map. Ref. 1965. 20 An7
English summary.
- 35498 STATEN, R. D., and HOLT, E. C. Summer-annual forage grasses for Texas: Sudangrass, Sudan-sorghum hybrids and millet. Tex. Agr. Exp. Sta. Progr. Rep. 2379, 7 p. Oct.10,1965. 100 T31P
Varieties and yields; pearl millet.
- 35499 SWAIN, F. G., DECKER, A. M., and RETZER, H. J. Sod-seeding of annual forages into "Midland" Bermudagrass (*Cynodon dactylon* L.) pastures. I. Species evaluation. Agron. J. 57(6):596-598. Ref. Nov./Dec.1965. 4 Am34P
Seven species studied, with especial attention to rye and vetch.
- 35500 TEMPLETON, W. C., TAYLOR, T. H., and TODD, J. R. Comparative ecological and agronomic behavior of orchardgrass [*Dactylis glomerata*] and tall fescue [*Festuca arundinaceae*]. Ky. Agr. Exp. Sta. Bull. 699, 18 p. Ref. June 1965. 100 K41
Includes content and yields.
- 35501 TYUTYUNIKOV, A. I., RYZHKOV, T. F., and VOROB'EV, E. S. Increasing proteins in forage plants. (Rus) Zhivotnovodstvo 12:23-28. Dec.1965. 49 Z6
Through cultural methods and breeding.
- 35502 VAN DER MERWE, J. J., and ERASMUS, F. F. A cheap fodder bank. Farming S. Afr. 41(7):5. Oct.1965. 24 So842
Thornless prickly pears.
- 35503 WAELTI, H. Reduce shatter losses in your grain sorghum harvest. S. Dak. Agr. Exp. Sta. Circ. 172, 7 p. Oct.1965. 100 So82
Earlier harvesting with more moisture content.
- 35504 WEEDA, W. C. The effects of frequency and severity of grazing by cattle on the yield of irrigated pasture. New Zeal. J. Agr. Res. 8(4):1060-1069. Ref. Nov.1965. 23 N4892
- 35505 WELCH, D., and RAWES, M. The early effects of excluding sheep from high-level grasslands in the north Pennines. J. Appl. Ecol. 1(2):281-300, map. Ref. Nov.1964. 410 J828
- 35506 WEST, O. The seeding of *Pennisetum clandestinum* in the Melsetter district of Rhodesia. So. African J. Sci. 61(11):408. Nov.1965. 515 So84
- 35507 WILLIAMS, R. E., and BLAKELY, B. D. Conservation of grazing land. Soil Conserv. 31(7):155-157. Feb.1966. 1.5 So3S
Pasture and range.
- 35508 ZSCHAGE, E., and PITTMER, K. Red clover seed production on the seed breeding VEG Boldebeck. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(3):117-118, 123. Mar.1965. 18 W763
- 35509 ZURN, F. Influence of planting method and fertilizing on the development and yield of rotational and permanent grassland. (Ge) Bodenkultur 16(1/2):76-94. Ref. Feb./May 1965. 19 B635
English summary.

Oil Crops

- 35510 BENGTTSSON, A. Planting date and variety selection is decisive for wintering. (Sw) Lantmannen 76(15):7-9. July 24,1965. 11 L234
Oil plants.
- 35511 BRYAN, W. W., and SHARPE, J. P. Soybeans as a cash crop on virgin land in the Wallum of south-eastern Queensland. Australian J. Exp. Agr. Anim. Husband. 5(17):147-151. May 1965. 23 Au792
Culture.
- 35512 GESSLEIN, S. Harvesting technique and quality. (Sw) Lantmannen 76(15):13-15. July 24, 1965. 11 L234
Oil plants.
- 35513 MYAKUSHKO, YU. P. On the breeding of soybeans with a high content of proteins in seeds. (Rus) Agrobiologiya 4:557-561. Aug.1965. 20 Ag822
- 35514 PECK, R. Adelphia—a new soybean that resists pod and stem blight. Soybean Dig. 26(4):23. Feb.1966. 60.38 So9
In New Jersey.
- 35515 VEZ, A. Considerations on rape harvesting. (Fr) Agr. Romande (ser.A)4(5):37. May 1965. 17 Ag8
- 35516 WEBER, C. R. A new soybean—Amsoy—adapted to Iowa and other Midwest States. Soybean Dig. 26(4):22-23, map. Feb.1966. 60.38 So9

- 35517 WOODROOF, J. G. Peanuts—production, processing products. *Peanut J. Nut World* 45(5):12, 33. Mar.7,1966. 77.8 P313
- 35518 YERMANOS, D. M., and HEMSTREET, S. C. Germplasm available for new flax varieties with different types of oil. *Calif. Agr.* 19(10):12-13. Oct.1965. 100 C12Cag
- 35519 ZHDANOV, L. A. Short account, methods and tasks in breeding of sunflowers. (Rus) *Agrobiologiya* 6(156):813-823. Nov./Dec.1965. 20 Ag822
- 35535 SIPOS, G., and BRATU, I. A contribution to the establishment of the optimum nutritive space of sugar beets. (Rum) *Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete* 31:189-200. Ref. 1963, pub.1965. 64.9 R86
English summary.
Effect of planting density and fertilizers on yields and accumulation of sugars.
- 35536 WHITEHEAD, C. Sugarcane in South Africa. I. *World Farming* 8(2):10-11, 34-36, map. (Cont.) Feb.1966. 30.08 W89

Sugar Crops

- 35520 ANZALONE, L., and CHILTON, S. J. P. New aids in the selection of disease resistant varieties of sugar cane. *Sugar J.* 28(7):16-17. Jan.1966. 65.8 Su391
- 35521 BRUZZO, M. L. Producing new varieties of sugarcane. (Sp) *Indus. Azucar.* 71(865):405-407. Dec.1965. 65.8 In22
In Argentina.
- 35522 CROSS, W. E. Objectives in producing, selecting and experimenting with sugarcane varieties. (Sp) *Indus. Azucar.* 71(863):355-357. Oct.1965. 65.8 In22
In Argentina.
- 35523 DANILYUK, S. S. Results from planting seed sugar beets which had been stored in a cellar. (Rus) *Sakharn. Svekla* 12:18-19. Dec.1965. 66.8 Su393
- 35524 DUBOURG, J. French beet sugar practice. *Sugar Azucar* 61(2):55-56. Feb.1966. 65.8 F11
Culture and processing.
- 35525 FLAMINI, B. How to produce sugar beet seed. 7. (It) *Raccolto* 6(5):71-74. May 31,1965. 16 R11
- 35526 FRITZSCH, K. Monogerm seed-experiences and prospects. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(3):129-131. Mar.1965. 18 W763
Sugar beets.
- 35527 GRAF, A. Yield and quality of mechanically segmented sugar beets. (Ge) *Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch* 1964:140-149. Ref. 1965. 105.9 V675
- 35528 GRUND, S., and LIEBESKIND, E. A. New procedures in sugar beet care. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(3):131-133. Mar.1965. 18 W763
- 35529 KAMODA, M., and ANDO, T. Recent advances in Japanese beet sugar. *Sugar Azucar* 61(2):57-59, 77. Feb.1966. 65.8 F11
Culture, processing and sugar manufacture; includes statistics.
- 35530 KISS, E. Aggressivity of sugar beet root-rot pathogens. I. Method of breeding for resistance. *Acta Agron. [Budapest]* 15(3/4):327-336. Ref. 1965. 19 Ac8
- 35531 MANSSON, E. Sugar beet culture in Ostergotland. (Sw) *Hushallningssallsk. Tidskr.* 32(5):111-112. 1965. 11 H9522
Chiefly acreage and yields.
- 35532 NYPL, J., and JIRKU, L. Limiting losses during the harvest of sugar beets. (Cz) *Za Vysokou Urodu* 13:377-378. Oct.1965. 64.8 Z12
- 35533 PETERS, F. The production of sugar beet seeds on the Neundorf seed breeding VEG. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(3):116-117. Mar.1965. 18 W763
- 35534 PETERSEN, R. O. Some methods of growing sugarcane and the analysis of harvesting costs. (Sp) *Indus. Azucar.* 71(865):411-415. Dec. 1965. 65.8 In22
Includes mechanization.

Tobacco

- 35537 HOFFBECK, L. J., and others. Burley 49, a new disease-resistant burley tobacco. *Tenn. Agr. Exp. Sta. Bull.* 395, 18 p. July 1965. 100 T255
M. O. Neas, H. E. Heggstad, and H. A. Skoog, joint authors.
U. S. Department of Agriculture, cooperating.
- 35538 MARANI, A., FINKEL, Y., and AMIRAV, A. Variety trials with oriental tobacco in 1961 and 1962. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 440, 22 p. Mar.1964. 107 R26
English summary.
- 35539 RICE, J. C., KENYON, J. M., and PRICE, E. L. Measured crop performance, tobacco, 1965. *N. C. Agr. Exp. Sta. Dep. Crop Sci. Res. Rep.* 16, 55 p., map. Dec.1965. 100 N8122

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 35540 BOESMAN, G. Observations on the color in phytophthora. (Fl) *Land- Tuinbouw Jaarboek* 20:203-212. 1965. 13 L22
Importance of color in horticulture.
- 35541 CARIBBEAN FOOD CROPS SOCIETY. Second annual meeting, Bridgetown, Barbados, October 19-23, 1964; proceedings. n.p., 1964. 136 p. Ref. 64.9 C19
Chiefly fruit and vegetable crops.
- 35542 DAVIDEK, V. Medieval gardening in the Western Europe. (Cz) *Ziva* 13(5):179-180. Sept. 1965. 409.6 Z6
- 35543 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. CLEPPA PARK EXPERIMENTAL HORTICULTURE STATION. Station guide, 1965. Newport, Monmouthshire, 1965. 18 p., map. 84 G794
- 35544 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. FAIRFIELD HORTICULTURE STATION. Sixth report, 1964. Greenhalgh, Engl., 1965. 99 p., map. 84 G795
- 35545 HORIE, T. Engei hyakka zensho [A handbook of horticulture]. Tokyo, Kinen-sha, 1965. 637 p. SB453.3.J3H6
- 35546 SYKES, W. R. Origins of our garden plants. 2. *New Zeal. Plants Gard.* 6(3):113-117. June 1965. 80 N4824
History of the horticultural crops in New Zealand.
- 35547 VERMEULEN, F. H. B. Experiment stations: development of practical research. (Du) *Zaadbelangen* 19(11):219-222. June 15, 1965. 61.8 Z1
Horticulture.
- 35548 WEIHENSTEPHAN. STAATLICHE LEHR- UND FORSCHUNGSANSTALT FUR GARTENBAU. Jahresbericht [Annual report] 1964/65. Munchen, 1965. 135 p. Ref. 105.8 W425

Fruits--General

- 35549 ANTONENKO, S., and others. Agrotechnique in growing fruit rootstocks. (Rus) Sadovodstvo 1:21-23. Jan.1966. 80 Sa13
I. Razeev, V. Romanov, and V. P. Yartsev, joint authors.
- 35550 BRÜTSCH, J. Fruit growing in the southern Tyrol. (Ge) Schweiz. Z. Obst- Weinbau 101 (21):533-535. Oct.16,1965. 80 Sch9
- 35551 DRAGAVTSEV, A. P. Experience with palmetto method of fruit culture in Czechoslovakia. (Rus) Sadovodstvo 1:44-45. Jan.1966. 80 Sa13
- 35552 FEHRMANN, W. Wege zur industriemässigen Produktion im Strassenobstbau [Way to industrial production in roadside fruit culture]. Deut. Akad. Landwirtschaftswiss. Sitzungsber. 14(5),16 p. 1965. 18 D4825
English summary.
Includes labor and mechanization.
- 35553 HISS, K. On the thinning of trees. (Ge) Lebendige Erde 4:177-179. July/Aug.1965. 18 L49
Fruit.
- 35554 HITZ, C. W. Fruit research in Argentina aided under Station agreement. Sci. Farmer [Penn. Sta.] 13(2):5. Winter 1966. 100 P381S
- 35555 KOCH, H. I. Pruning crowns of fruit trees so as to form green hedge. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:44-48. 1965. 20 M57
- 35556 MILES, H. W. William Harley's Appendix, or horticultural improvements and pest control early in the nineteenth century. Hort. Res. 5 (2):122-129. Ref. Nov.1965. 80 H7892
Appendix to his book The Harleian Dairy System; chiefly about fruit.
- 35557 NAVRATIL, J. Care of fruit trees damaged by wildlife. Ovocnarstvi Zelinarstvi 13(2):50-51. 1965. 80 Ov64
Pruning.
- 35558 PIENIAZEK, S. A. Dookola sadowniczego swiata [Around the pomological world]. Warszawa, Panstwowe Wydawnictwo Rolnicze i Lesne, 1965. 484 p. SB71.P5
- 35559 SCHMID, O. Fruit culture in the German Lake Constance district. (Ge) Grune 93(32):1119-1125. Aug.6,1965. 17 Sch9
- 35560 TRIOLA, P. DE LA. Grafting of adult trees. (Sp) Cult. Mod. 48(7):262. July 1965. 15 C89
Fruit.
- 35561 WEINGARTNER, H. Experiences and hints on fruit culture. (Ge) Lebendige Erde 4:162-166. (Cont.) July/Aug.1965. 18 L49
- 35562 WOODBURY, R. Food plants which may also serve as ornamentals. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:31. 1964. 64.9 C19
Fruit trees that are also used as ornamentals.

Fruits--Citrus and Subtropical

- 35563 CANN, H. J. Banana growing—plantation practices. Agr. Gaz. New S. Wales 76(11):672-678. Nov.1965. 23 N472
- 35564 CRESCINI, F. What there was and what remains of the Benaco gardens. (It) Ital. Agr. 102(7):605-630, map. Ref. July 1965. 16 It1
Lemon culture.
- 35565 JACKSON, L. K. Planting and care of young citrus trees. Citrus Veg. Mag. 29(5):26,28. Jan.1966. 80 C498
- 35566 KAJIURA, M., ed. Kaju tsukuri no gijutsu to keiei. 5. Kaki, kuri [The technique and management of fruit tree culture. 5. Kaki persimmons and chestnuts]. Tokyo, No-san-yu-son Bunka Kyokai, 1965. 327 p. 87 F22
- 35567 MAMPORIYA, F. D. Grafted hybrids [Citrus nobilis ushiu X Poncirus trifoliata] and so-called "plant chimeras." (Rus) Agrobiologiya 6(156):899-912. Nov./Dec.1965. 20 Ag822

- 35568 PRIMO YUFERA, E., and SALA GOMIS, J. M. Quality of orange varieties. VII. Rev. Agroquim. Tecnol. Aliment. 5(3):359-362. July/Sept.1965. 389.8 R324
- 35569 ROVENTA, I., and RUDOL, P. Effective method of grafting lemons. (Rum) Gradina, Via Livada 14(7):74-78. July 1965. 80 G75
- 35570 WIGODSKY, A. In the new settlements. Agr. Israel 10(9):49. June 1965. 22.5 Ag825
Citrus culture.
- Fruits--Deciduous
- 35571 BHAR, D. S., HILTON, R. J., and ASHTON, G. C. Effect of time of cutting and of storage treatment on growth and vigor of scions of Malus pumila cv. McIntosh. Can. J. Plant Sci. 46(1):69-72. Ref. Jan.1966. 450 C16
- 35572 BODI, I. Best rootstocks for grafting pears in nurseries. (Rum) Gradina, Via Livada 14(7):50-55. July 1965. 80 G75
- 35573 CORRELL, F. E., and CLAYTON, C. N. New peach; Station scientists develop variety that features non-browning flesh quality. Res. Farming [N. C. Sta.] 24(2):3. Autumn 1965. 100 N81R
- 35574 CVASNI, D., BUMBAC, E., and DUMITRESCU, G. On the compatibility of some varieties of pears grafted on quince rootstocks. (Rum) Gradina, Via Livada 14(7):44-49. July 1965. 80 G75
English summary.
- 35575 ERDEI, S. Our valuable fruit; the sour cherry. (Hu) Magyar Mezogazdasag 21(1):14-15. Jan.5,1966. 19 M27
- 35576 FERRAGUTI, M. The pear in the South. 3. (It) G. Agr. 75(52):528. Dec.26,1965. 16 It1G
Pruning.
- 35577 FERRAGUTI, M. The pear in the South. 7. (It) G. Agr. 76(5):51. Jan.30,1966. 16 It1G
Pruning.
- 35578 FERRAGUTI, M. The pear in the South. 8. (It) G. Agr. 76(3):33. Feb.6,1966. 16 It1G
Culture.
- 35579 GRIGORASHENKO, V. P. Quince and the new pear varieties. (Rus) Sadovodstvo 12:26-27. Dec.1965. 80 Sa13
Quince as rootstocks.
- 35580 HRISTOFOROS, M., and RIZOS, B. Effective long pruning methods on peach trees. (Gre) Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos 4:104-107. July/Aug.1965. 275.249 G81
- 35581 INDENKO, I. F. Compatibility of pears with quinces in grafting. (Rus) Agrobiologiya 4:533-537. Aug.1965. 20 Ag822
- 35582 JOHNSEN, E. Fruit culture in Sogn. (No) Yrkesfruktdyrking 4:49-51. 1965. 80 Y83
- 35583 KAJIURA, M., ed. Kaju tsukuri no gijutsu to keiei. 2. Nashi [The technique and management of fruit tree culture. 2. Pears]. Tokyo, No-san-yu-son Bunka Kyokai, 1965. 245 p. 87 F22
- 35584 KAJIURA, M., ed. Kaju tsukuri no gijutsu to keiei. 3. Momo, oto [The technique and management of fruit tree culture. 3. Peaches and cherries]. Tokyo, No-san-yu-son Bunka Kyokai, 1965. 373 p. 87 F22
- 35585 KAJIURA, M., ed. Kaju tsukuri no gijutsu to keiei. 6. Ringo [The technique and management of fruit tree culture. 6. Apples]. Tokyo, No-san-yu-son Bunka Kyokai, 1965. 387 p. 87 F22
- 35586 KLARUP, J. More on fruit thinning. (Da) Erhvervsfrugtavlren 32(7):276-278. July 1, 1965. 80 Er3
Chiefly chemical.
- 35587 KRIGER, A. G. Selected varieties of plums. (Rus) Sadovodstvo 1:31. Jan.1966. 80 Sa13
Introduction and acclimatization.

- 35588 LAMB, R. C., and others. Six new fruits named at Geneva Station—Alfred apricot, Farmingdale apricot and Morton nectarine, Hilton red raspberry, Huron black raspberry, Garnet strawberry. *Farm Res.* [N. Y. Sta.] 31(2):2-5. July/Sept.1965. 100 N48A
G. L. Slate, D. Ourecky, and J. Watson, joint authors.
- 35589 LOEWEL, E. L., and SAURE, M. Results of the apple variety tests in Ottensen. (Ge) *Obstbauversuchsrings Alten Landes. Mitt.* 20 (6):222-224; (7):266-271. (Concl.) June-July 1965. 85 J76
- 35590 LOEWEL, E. L. Which mutations of Boskoop should be preferred? (Ge) *Obstbauversuchsrings Alten Landes. Mitt.* 20(6):217-218. June 1965. 85 J76
- 35591 LOMAKIN, E. N. Apricot varieties in Turkmenia. (Rus) *Sadovodstvo* 1:18. Jan.1966. 80 Sa13
- 35592 MARGOLIN, A. F. Establishing stock nurseries for weakly growing rootstocks. (Rus) *Sadovodstvo* 1:34-35. Jan.1966. 80 Sa13
Deciduous fruit.
- 35593 MORETTINI, A. Favorita II Morettini (Gialla di Firenze X Fertilia Morettini). (It) *Ital. Agr.* 102(7):599-604. July 1965. 16 It1
Peach cultivar.
- 35594 MOSTOLOVITSA, K. YU. Yielding of plums in Crimea. (Rus) *Sadovodstvo* 1:29. Jan.1966. 80 Sa13
Varieties.
- 35595 NILSSON, F. Soil treatment in orchards. (Sw) *Fruktodlaren* 36(4):62-65. May 1965. 86 Sv2F
Mulching and cover crops.
- 35596 PEIKER, J. Clivia, a prospective variety of apples. (Cz) *Ziva* 13(4):138. July 1965. 409.6 Z6
- 35597 PERRAUDIN, G. A current subject: spur type apple trees. (Fr) *Agr. Romande (ser.A)* 4(6):47-48. June 1965. 17 Ag8
- 35598 VLASYUK, S. G. Better varieties of plums. (Rus) *Sadovodstvo* 1:30-31. Jan.1966. 80 Sa13
- 35599 VULICHENKO, S. I. In the Steppe Zone of Ukraine—growing apple rootstocks in one year. (Rus) *Sadovodstvo* 1:24-25. Jan.1966. 80 Sa13
- 35600 WAY, R. D. Tree and fruit characteristics of some standard and new apple varieties. N. Y. (State) *Agr. Exp. Sta. Res. Circ. Ser.* 3,15 p. Dec.1965. 100 N48R
- 35601 ZHURKOVSKAYA, A. A. On Leningrad experiment plot. (Rus) *Sadovodstvo* 1:32. Jan.1966. 80 Sa13
Plum varieties.
- Fruits—Small**
- 35602 AALDERS, L. E., and CRAIG, D. L. Progeny performance of seven strawberry cultivars crossed to a common tester. *Can. J. Plant Sci.* 46(1):91-92. Jan.1966. 450 C16
- 35603 ALEXANDER, D. M. The propagation of small fruiting Sultana vines. *J. Hort. Sci.* 41(1):85-86. Jan.1966. 80 J825
Propagation by cuttings.
- 35604 BOWEN, H. H., and HOUGH, L. F. Progress in blueberry breeding. N. J. *Agr. Exp. Sta. Annu. Blueberry Open House. Proc.* 33:1-2. 1965. 94.35 N46A
- 35605 COMAN, B. Aspects of the development of new vineyards in the Galati region. (Rum) *Gradi-na, Via Livada* 14(7):16-22. July 1965. 80 G75
Planting and varieties.
- 35606 CRAIG, D. L., and AALDERS, L. E. Winter injury and yielding ability of six red raspberry varieties under two systems of culture in Nova Scotia. *Can. J. Plant Sci.* 46(1):73-76. Jan. 1966. 450 C16
- 35607 DRAGAVTSEV, A. P. *Myrica rubra*. (Rus) *Sadovodstvo* 12:34. Dec.1965. 80 Sa13
Culture and varieties.
- 35608 ECK, P. Permanent sod in blueberry culture. N. J. *Agr. Exp. Sta. Annu. Blueberry Open House. Proc.* 33:6-8. 1965. 94.35 N46A
- 35609 GAVRILOV, G. A. Rational utilization of all components. (Rus) *Sadovodstvo* 1:27-28. Jan. 1966. 80 Sa13
Management of vineyards.
- 35610 GORIYA, N. G. Method for increased yielding of grapes. (Rus) *Sadovodstvo* 1:26-27. Jan. 1966. 80 Sa13
Pruning.
- 35611 HARANT, M. Shall we cultivate the currant variety Heinemann Late Red? (Cz) *Ziva* 13(1):6-8. Jan.1965. 409.6 Z6
- 35612 KRONENBERG, H. G. Strawberry breeding at IVT [Instituut voor de Veredeling van Tuinbouwgewassen (Institute of Horticultural Plant Breeding)]. (Du) *Groenten Fruit* 21(25):1136-1137. Jan.5,1966. 80 G89
- 35613 KUZ'MIN, A. YA. Breakup of the progeny of red and black currants. (Rus) *Agrobiologiya* 4:528-532. Aug.1965. 20 Ag822
Propagation by grafting.
- 35614 LABUS, S. The current status of berry culture. (Ge) *Obstbauversuchsrings Alten Landes. Mitt.* 20(5):184-188. May 1965. 85 J76
- 35615 MOSS, D. E., and GURSANSKY, J. A. Strawberry growing in South Australia. 1. S. Australia *J. Agr.* 69(5):148-152. Dec.1965. 23 So84
- 35616 NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Proceedings of the 33rd annual Blueberry Open House, held at Pemberton, N. J. on February 11, 1965. New Brunswick, 1965. 22 p. 94.35 N46A
- 35617 OPRAVIL, E. From the history of grapes. (Cz) *Ziva* 13(2):44-46, map. Mar.1965. 409.6 Z6
- 35618 PEIKER, J. Jubilae, a new variety of strawberry hybrids. (Cz) *Ziva* 13(6):206. Nov.1965. 409.6 Z6
- 35619 PEYER, E. A "celebrant": 60 years of Riesling Sylvaner. (Ge) *Grüne* 93(18):644-646. Apr.30,1965. 17 Sch9
Grape breeding.
- 35620 RORTVEIT, S. Berry culture in Sogn and Fjordane. (No) *Yrkesfruktsyrking* 4:51-54. 1965. 80 Y83
- 35621 SELYAKHUDIN, A., and BROZIK, S. Analysis and evaluation of the properties of strawberry varieties. (Hu) *Kiserletugyi Kozlemenyek* 58/C(1):87-117. Ref. 1965. 105.9 H89
English summary.
- 35622 SUKHAREVA, N. B. Interspecific *Fragaria* hybrids resistant to cold. (Rus) *Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr.* 2:59-64. Ref. 1964. 451 N853
Breeding.
- 35623 TOYAMA, S., and TAKAHASHI, K. On *Rubus hirsutus* Thunb. var. Harai Makino in Nagasaki Prefecture, Japan. (Ja) *Amatores Herb.* 26(3):2-3. Nov.10,1965. 450 Am12
- 35624 ZAFEIRES, N. Survey on the possibilities of applying modern methods in vine culture on the island of Zakynthos. (Gre) *Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos* 4:108-112. July/Aug.1965. 275.249 G81
- Nuts**
- 35625 KESTER, D. E., and HANSEN, C. J. Compatibility of almond varieties on Marianna 2624 plum rootstock. *Almond Facts* 31(1):14-15. Jan./Feb.1966. 280.28 AL62
- 35626 PASENKOV, A. K., and RIKHTER, A. A. Breeding Persian walnut resistant to the cold under conditions of Crimea. (Rus) *Agrobiologiya* 4:562-568. Aug.1965. 20 Ag822
- 35627 SZENTIVANYI, P. Results of walnut-selection (regional selection). (Hu) *Kiserletugyi Kozlemenyek* 58/C(1):119-126. Ref. 1965. 105.9 H89
English summary.
Breeding.

Shade Trees and Ornamental Plants

- 35628 BALCH, R. W. Notes from Dunedin. New Zeal. Plants Gard. 6(3):131-134. June 1965. 80 N4824
Gardening with ornamentals.
- 35629 BEVERIDGE, H. T. Parks and gardens of North America. New Zeal. Plants Gard. 6(3):134-140. June 1965. 80 N4824
- 35630 BLUHME, A. To add sales sparkle. Florists' Rev. 137(3560):34. Feb.17,1966. 80 W41
Chiefly the Gerbera hybrid; culture and marketing.
- 35631 CARMAZIN-COCOVSCHI, V. On the landscaping of trees. (Rum) Rev. Padurilor 80(6):327-329. Ref. June 1965. 99.8 R327
Shade trees.
- 35632 CH'ENG, C. H. Lun Chung-kuo chih hua hui [Chinese flowers]. T'ai-pei, 1965. 170 p. SB406.C5
- 35633 CH'ENG, C. H. Lun Chung-kuo kuan shang shu mu [Chinese ornamental trees]. T'ai-pei, 1965. 139 p. (Tung Fang Jen Wen Hsueh Hui Ts'ung Shu) QK490.C6C5
- 35634 CLARK, R. R. Geranium culture. Oreg. State Univ. Ext. FS 98,2 p. Aug.1965. 275.29 Or36
- 35635 COHEN, M. M. Annuals don't compare with orchids. Amer. Orchid Soc. Bull. 34(9):781-783. Sept.1965. 80 Am329
Greenhouse culture, in Florida.
- 35636 CRISTESCU, V., and others. Research on the shrub Rosa rugosa Thunb. (Rum) Rev. Padurilor 80(5):256-258. May 1965. 99.8 R327
Z. Dobrescu, O. Bojor, and M. Betezeanu, joint authors.
- 35637 ELLIOTT, D. Plants that blaze and smoke. New Zeal. Plants Gard. 6(3):121-124. June 1965. 80 N4824
Ornamental plants.
- 35638 ESINOVSKAYA, V. Estonian lily (Lilium estoniae). (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:367-368. 1964. 442.9 Ak18
Chiefly culture.
- 35639 FARNSWORTH, W. F. Brigham City points the way. Farm Home Sci. [Utah Sta.] 26(4):95-98. Dec.1965. 100 U11F
Urban beautification.
- 35640 FOMENKO, A. A. Kursk-lemon variety. (Rus) Sadovodstvo 1:38-39. Jan.1966. 80 Sa13
As ornamental plant.
- 35641 FORDHAM, A. Dwarf white pines [Pinus strobus] from witches'-brooms. Amer. Nurseryman 123(1):14-15,85-87. Jan.1,1966. 80 Am371
As ornamental tree.
- 35642 FOSLER, G. M. Plants under lights; "Light requirements of foliage plants," a report for consumers and their suppliers. Florists' Rev. 137(3560):32,97-99. Feb.17,1966. 80 W41
House plants; culture.
- 35643 GEORGE, A. S. A guide to the wildflower districts of Western Australia. West. Australia. Dep. Agr. J. (ser.4)6(9):563-566,map. Sept. 1965. 23 W52J
- 35644 GOODRICH, D. C. Effectiveness of landscaping information in retail nurseries. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 174,18 p. Sept.1965. 281.9 C81A
- 35645 GRULL, F. Ailanthus altissima, a pioneer tree of Czechoslovakia. (Cz) Ziva 13(5):167. Sept.1965. 409.6 Z6
Culture.
- 35646 HABR, J. Manes variety of roses. (Cz) Ziva 13(4):125-126. July 1965. 409.6 Z6
- 35647 HANSEN, R., and MUSSEL, H. Varietal comparison and negative selection in Hemerocallis. (Ge) Weißenstephan. Staatl. Lehr- Forschungsanst. Gartenbau. Jahresber. 1964/65:81-100. 1965. 105.8 W425
- 35648 HENDRYCHOVA-TOMKOVA, J. Salvia splendens and its colored varieties. (Cz) Ziva 13(4):127-128. July 1965. 409.6 Z6
Includes breeding and hybrids.
- 35649 HENNEBO, D., and HOFFMANN, A. Geschichte der deutschen Gartenkunst. Band II. Der architektonische Garten; Renaissance und Barock. [History of German horticulture. Volume II. Landscape architecture; Renaissance and Baroque]. Hamburg, 1965. 431 p. Ref.,p.401-431. 98 H392
- 35650 HIEKE, K. On the problem of culture of Fuchsia in Czechoslovakia. (Cz) Ziva 13(4):122-124. July 1965. 409.6 Z6
- 35651 HOLUBOVA-KLASKOVA, A. Acer monspesulanum L. in Prague. (Cz) Ziva 13(1):9-10. Jan.1965. 409.6 Z6
As ornamental tree.
- 35652 HOUDA, J. Beautiful varieties of currants. (Cz) Ziva 13(5):181. Sept.1965. 409.6 Z6
Currants as ornamental plants.
- 35653 JENKINS, J. M. Color in the home or field. Res. Farming [N. C. Sta.] 24(2):7. Autumn 1965. 100 N81R
Annual larkspur (Delphinium ajacis).
- 35654 JOE, B. Cup ferns (Dennstaedtia) cultivated in California. Amer. Fern J. 55(2):58-62. Apr./June 1965. 450 Am35
- 35655 KILNER, R. B. Hybridizer solves weed problem. Florists' Rev. 137(3562):47-48. Mar.3, 1966. 80 W41
Chiefly Petunia hybrids; includes weed control.
- 35656 KLUZ, Z. Houseleek Sempervivum, a rock garden plant. (Cz) Ziva 13(2):56-57. Mar. 1965. 409.6 Z6
- 35657 KOBYLKA, B. Two perennially green ornamental plants. (Cz) Ziva 13(1):14. Jan.1965. 409.6 Z6
Arctostaphylos uva-ursi and Pachysandra terminalis.
- 35658 KOBYLKA, B. Varieties of Tradescantia and their culture. (Cz) Ziva 13(5):170. Sept.1965. 409.6 Z6
- 35659 KOLAR, K. Planting Cactaceae in the sterilized soil. (Cz) Ziva 13(2):61-62. Mar.1965. 409.6 Z6
- 35660 KRIKAVA, J. Benincasa, a striking representative of the southern flora. (Cz) Ziva 13(4):129-130. July 1965. 409.6 Z6
Benincasa hispida.
- 35661 LAWRENCE, R. W. A colonial garden in the North Country. Conservationist 19(5):18-19. Apr./May 1965. 279.8 N48
At the Adirondack Center Museum in Elizabethtown.
- 35662 LEGUN, A. G. Figs in Nerchinske. (Rus) Sadovodstvo 1:41. Jan.1966. 80 Sa13
As ornamental plant.
- 35663 MCDONALD, E. The flowering greenhouse day by day. Princeton, Van Nostrand, 1966. 158 p. SB415.M3
- 35664 MILLER, B. Its a fascinating hobby. Amer. Orchid Soc. Bull. 34(9):784-786. Sept.1965. 80 Am329
Orchid culture in Puerto Rico.
- 35665 MITCHELL, W. H. On being raised by orchids. Amer. Orchid Soc. Bull. 34(8):695-696. Aug. 1965. 80 Am329
Culture, in New Jersey.
- 35666 MORTON, C. V. Observations on cultivated ferns. VIII. Stenochlaena. Amer. Fern J. 55(4):164-166. Oct./Dec.1965. 450 Am35
- 35667 MORTON, S. G. Orchids. Amer. Orchid Soc. Bull. 34(9):801-802. Sept.1965. 80 Am329
Culture in Washington.
- 35668 MUNCH, J., and FRITZSCHE, G. Results of a five-year varietal comparison of Cyclamen persicum Mill. (Ge) Weißenstephan. Staatl. Lehr- Forschungsanst. Gartenbau. Jahresber. 1964/65:28-45. 1965. 105.8 W425

- 35669 NICOLINI, G. The oleander. (It) Ital. Agr. 102(7):631-644. July 1965. 16 It1
- 35670 OPLT, J. On the culture of Saintpaulia. (Cz) Ziva 13(4):128-129. July 1965. 409.6 Z6
- 35671 PHILLIPS, G. A. R. Stenanthium robustum. New Zeal. Plants Gard. 6(3):129-130. June 1965. 80 N4824
Culture.
- 35672 PILAT, A. Agapanthus L'Her., an easily grown plant. (Cz) Ziva. 13(1):8. Jan.1965. 409.6 Z6
- 35673 PILAT, A. Varieties of Berberis for parks. (Cz) Ziva 13(3):94-96. May 1965. 409.6 Z6
- 35674 POTTER, C. H. Greenhouse. XIII. Grow compatible crops. Florists' Rev. 137(3551):59.; (3552):51. Dec.16-23,1965. 80 W41
Greenhouse culture of ornamentals.
- 35675 POTTER, C. H. Greenhouse. XVIII. Propagation: grafting, budding, layering. Florists' Rev. 138(3563):28,69. Mar.10,1966. 80 W41
- 35676 POTTER, C. H. Greenhouse. XVIII-C. Propagation: cuttings. Florists' Rev. 137(3560):80-81,97. Feb.17,1966. 80 W41
- 35677 POTTER, C. H. Greenhouse. XVIII-D. Propagation: seeds. Florists' Rev. 137(3561):72-73, 88-89. Feb.24,1966. 80 W41
- 35678 POTTER, C. H. Greenhouse. XVIII-E. Propagation: seeds. Florists' Rev. 137(3562):52, 119-120. Mar.3,1966. 80 W41
- 35679 PREDA, M. The culture of Amaryllis indoor and in greenhouses. (Rum) Gradina, Via Livada 14(7):68-73. July 1965. 80 G75
- 35680 RASSKAZOV, I. P. Feijoa. (Rus) Sadovodstvo 1:40-41. Jan.1966. 80 Sa13
As ornamental plant.
- 35681 RILEY, N. A. The orchid-growing experiences of a teen-ager. Amer. Orchid Soc. Bull. 34(9): 803-805. Sept.1965. 80 Am329
In New York.
- 35682 SATAVA, V. On some rare varieties of Primula. (Cz) Ziva 13(5):177-178. Sept.1965. 409.6 Z6
- 35683 SAVKO, C. My first six months under lights; orchids under lights. Amer. Orchid Soc. Bull. 34(8):700-701. Aug.1965. 80 Am329
Using fluorescent light.
- 35684 SCHUT, B. Hedge sermon. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(4):187-191. Apr.1965. 12 N282
Tree planting for various purposes on farms and along roads.
- 35685 SEALY, J. R. Cyrtanthus sanguineus var. wakefieldii (Amaryllidaceae). Curtis's Bot. Mag. (n.s.)175(4):tab.481 and text. Nov.19,1965. 450 C94
Culture and varieties.
- 35686 SHEIKO, I. E. From cuttings. (Rus) Sadovodstvo 1:40. Jan.1966. 80 Sa13
Propagation of lemons as ornamental plants.
- 35687 SLATER, F. J. How and where to plant shrubs. Conservationist 19(5):48-49. Apr./May 1965. 279.8 N48
For wildlife plantings.
- 35688 SMOL'KOV, M. F. Grapes on window. (Rus) Sadovodstvo 1:40. Jan.1966. 80 Sa13
Ornamental plant.
- 35689 SPAR, J. How I flask. Amer. Orchid Soc. Bull. 34(9):791-792. Sept.1965. 80 Am329
Orchid propagation.
- 35690 STEPANEK, L. Parks of the Prague castle. (Cz) Ziva 13(3):82-85. May 1965. 409.6 Z6
- 35691 SVOBODA, D. Pleasures and problems. Amer. Orchid Soc. Bull. 34(9):799-800. Sept.1965. 80 Am329
Orchid culture in Kansas.
- 35692 TAYLOR, N. The guide to garden shrubs and trees, including woody vines; their identity and culture. Boston, Houghton Mifflin, 1965. 450 p. Ref. SB435.T3
- 35693 TEUSCHER, H. Batemannia armillata and Chondrorhyncha reichenbachiana. Amer. Orchid Soc. Bull. 34(9):820-823. Sept.1965. 80 Am329
Culture in Canada.
- 35694 WARING, R. T. T. Odontoglossums and their culture. Amer. Orchid Soc. Bull. 34(9):814-819. Sept.1965. 80 Am329
In Great Britain.
- 35695 YESSINOVSKAYA, V. Species of lilies of Caucasian origin in the Estonian S.S.R. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:322-325. 1964. 442.9 Ak18
English summary.
Lilium kesselringianum, monadelphum and szovitzianum.
- 35696 ZARIDZE, G. A. Basic factors in planting ornamental trees along highways in mountain areas of Dzhavakhet. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:425-429. 1965. 20 M857

Vegetable and Truck Crops (Including Potatoes)

- 35697 AKHUND-ZADE, I. M. Atabaka, high-quality eggplant variety. (Rus) Kartoffel' Ovoshchi 12:60. Dec.1965. 75.8 K147
- 35698 AZZAM, H. Tomato breeding for the Tropics. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:56-59. 1964. 64.9 C19
- 35699 BANNEROT, H., and CONINCK, B. DE. Work on improving witloof chicory at the National Institute of Agronomic Research [Institut National de la Recherche Agronomique]. (Fr) Ann. Gembloux 71(2):143-157. Second Q. 1965. 13 G28
- 35700 BELEVICH, P., and KRUPENYA, I. Effects of space between rows on potato yields. (Rus) Kartoffel' Ovoshchi 1:11-12. Jan.1966. 75.8 K147
- 35701 CARLSSON, H. Some factors influencing chip quality. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:65-66. 75.8 Sv2
Varieties and locality for potato culture.
- 35702 CARRANZA A., E. The culture of watermelons. (Sp) Nuestra Tierra 8(77):156-157. Sept./Oct.1964. 8 N882
- 35703 CAVE, J. M. The compulsory planting of food crops on sugar estates in Barbados. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:42-43. 1964. 64.9 C19
Chiefly sweetpotatoes and yams.
- 35704 COOLER, F. W., SCOTT, F. H., and CAMPER, H. M. Canning tomato variety trials, 1964. Va. Agr. Exp. Sta. Res. Rep. 93,14 p. Sept. 1965. 100 V81R
- 35705 CROWDER, R. A. Vegetable with a difference, the witloof widely known in Europe, is being grown at Pukekohe. New Zeal. J. Agr. 111(7): 35. Dec.1965. 23 N48J
Cichorium intybus (chicory) and C. endivia (endive).
- 35706 DAMBROTH, M. Production and market planning in potato growing. (Ge) Mitt. Deut. Landwirt.-Ges. 80(49):1880-1881. Dec.9,1965. 18 N39
Need for improved varieties to meet consumer requirements.
- 35707 DAVIS, G. N., and others. Muskmelon production in California. Calif. Univ. Agr. Ext. Circ. 536,38 p. Dec.1965. 100 C12S
T. W. Whitaker, G. W. Bohn, and R. F. Kas-mire, joint authors.
- 35708 DEMEL, J. Ergebnisse der Kartoffel-Sortenversuche 1965 [Results of the potato variety trials 1965]. Vienna. Bundesanst. Pflanzenbau Samenprüfung. Mitt. Versuchsergeb. 129,29 p. Dec.1965. 64.9 V67
Includes yields.

- 35709 EDEL'SHTEIN, V., and LIPILINA, G. Growing potatoes from seeds. (Rus) Kartoffel' Ovoshchi 1:18-19. Jan.1966. 75.8 K147
- 35710 ELENKOV, E. Breeding of tomatoes resistant to the bacterial canker. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:40-44. 1965. 20 M57
Caused by *Corynebacterium michiganense* (E. F. Smith) Jensen.
- 35711 FEISTRITZER, W. P. Research on the determination of the areas suitable for seed potato production in Karnten. (Ge) Bodenkultur 16 (1/2):109-143, map. Ref. Feb./May 1965. 19 B635
English summary.
Varietal trials.
- 35712 GAENKO, N. P. Summer planting of seed potatoes in Netherlands. (Rus) Agrobiologiya 6(156):927-931. Nov./Dec.1965. 20 Ag822
- 35713 GALL, H., and others. Progress in potato breeding in Communist Germany. (Ge) Zuchter 35(4):186-197. Ref. 1965. 442.8 Z8
H. Griess, W. Neye, and J. Vogel, joint authors.
- 35714 GIRENKO, M. Lettuce varieties for open field. (Rus) Kartoffel' Ovoshchi 12:32-35. Dec.1965. 75.8 K147
- 35715 GRIN', A. Mechanization on flood-plain. (Rus) Kartoffel' Ovoshchi 1:26-29. Jan.1966. 75.8 K147
Carrot culture.
- 35716 GROMOVA, V. Increasing resistance of tomato sprouts to inconvenient conditions. (Rus) Kartoffel' Ovoshchi 1:32-33. Jan.1966. 75.8 K147
Breeding of cold resistant variety.
- 35717 GUSTAFSSON, N. Do big seed potatoes produce an earlier crop? (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:31-33. 75.8 Sv2
- 35718 HANSMANN, G. The suitability of potato varieties for second crop culture. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):179-182. Apr.1965. 18 W763
- 35719 HOLDEN, D. J., and SUN, C. The strange plants. Crops Soils 18(5):14-16. Feb.1966. 6 W55
New experiment with the breeding of carrots.
- 35720 INTERNATIONAL SYMPOSIUM ON CHICORY WITLOOF, GEMBOUX, 1965. [Proceedings]. (Fr) Ann. Gembloux 71(2):141-196. Second Q. 1965. 13 G28
Introduction by A. Lecrenier.
Chiefly culture.
Organized by the Station de Recherches de l'Etat pour l'Amelioration des Plantes Fruitières et Maraîchères at the Institut Agronomique de l'Etat at Gembloux, February 22, 1965.
- 35721 IPAT'EV, A. N., and EVTIKHEVICH, V. G. Changes in seeds of hybrid plants. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(8):547-549. Aug. 1965. 511 M663D
Tomatoes; in relation to size.
- 35722 JOHNSTON, D. Report to J. F. [Junior Farmers] Federation on pea growing in Britain. Tasmanian J. Agr. 36(4):290-291. Nov.1965. 23 T182T
- 35723 JONES, S. T., YATES, H., and BARRETT, W. Tomato varieties for southwestern Alabama. Highlights Agr. Res. [Ala. Sta.] 12(4):5. Winter 1965. 100 AL1H
- 35724 JOUBERT, J. G. LA G. Three new sweet potatoes. Farming S. Afr. 41(7):7,9,16. Oct.1965. 24 So842
- 35725 KELLER, E. R. The 1965/66 Swiss approved varieties for potato culture. (Ge) Mitt. Schweiz. Landwirt. 13(11):197-199. Nov.1965. 17 M69
- 35726 KING, R. San Joaquin County variety trials. Calif. Tomato Grower 9(1):4,6. Jan.1966. 80 C1292
- 35727 KISS, A. Examination of water-melon varieties. (Hu) Kiserletugyi Kozlemenyek 58/C(1):127-160. Ref. 1965. 105.9 H89
English summary.
- 35728 KLOPPER, K. Successful experiments in separation and rearrangement of periclinal chimaeras of potato clones. (Ge) Zuchter 35(5):201-214. Ref. 1965. 442.8 Z8
- 35729 KOMISSAROV, V. Initial material for selection of garlic. (Rus) Kartoffel' Ovoshchi 12:22-25. Dec.1965. 75.8 K147
- 35730 KONONKOV, P. F., and RABUNETS, N. A. Crossing some geographically distant varieties in the breeding of edible root plants. (Rus) Agrobiologiya 4:508-514. Aug.1965. 20 Ag822
Beets, carrots and radishes.
- 35731 KOSTSELETSKII, N. Introduction and proper use of crop rotation in growing vegetables. (Rus) Kartoffel' Ovoshchi 1:20-23. Jan.1966. 75.8 K147
- 35732 KRAKER, J. DE. Early spinach in the field. (Du) Groenten Fruit 21(25):1147. Jan.5,1966. 80 G89
Variety trials.
- 35733 KUMAZAWA, S., and others. Sogo sosai engei kakuron [Lectures on vegetable gardening]. Tokyo, Yokendo, 1965. 530 p. Ref. SB323.K8
R. Akitani, K. Futai, S. Owa, and K. Katsumata, joint authors.
- 35734 LAUMONNIER, R. Production of vegetable seeds. (Fr) Avenir Agr. 5:38-43. Sept./Oct. 1965. 14 Av32
- 35735 LEADER in vegetable growing. (Rus) Kartoffel' Ovoshchi 12:7-11. Dec.1965. 75.8 K147
Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya].
- 35736 LORENZ, O. A. California-tomorrow's No. 1 potato state? Amer. Veg. Grower 14(2):18,20-21,56. Feb.1966. 80 C733
Culture, varieties and industry.
- 35737 MAIER, I., and CEAUSESCU, I. A contribution to the cultural practices for lettuce grown in greenhouses. (Rum) Gradina, Via Livada 14 (7):7-10. July 1965. 80 G75
- 35738 MINGES, P. A. Thinking about field seeding? Amer. Veg. Grower 14(2):13-14. Feb.1966. 80 C733
Chiefly tomatoes; their planting, yields and harvesting.
- 35739 MONTALDO, A. Bibliografia Latinoamericana sobre papas [Latin American bibliography on potatoes]. Venezuela. Univ. Cent. Fac. Agron. Rev. Alcance 7,269 p. 1964, pub.1965. 9.95 V555R
Cultural.
- 35740 MORE, J. New methods of potato pre-sprouting. (Hu) Magyar Mezogazdasag 21(2):10-11. Jan.12,1966. 19 M27
Includes use of plastics.
- 35741 MURPHY, T. Horticulture-brussels sprouts. Agr. Northern Ireland 40(7):216-219. Nov. 1965. 256.13 Ag82M
- 35742 NEILD, R. E., and YOUNG, J. O. Comparative climatology as an approach for defining the approximate growing season for vegetables in Nebraska. Nebr. Agr. Exp. Sta. SB 488, 14 p. Ref. Nov.1965. 100 N27
- 35743 NILSSON, S. A. Vine killing. (Sw) Hallands Lans Hushallningssallsk. Tidskr. 4:15-16. July 1965. 11 H152
Of potatoes.
- 35744 NONNECKE, I. L., TORFASON, W. E., and YOUNG, L. C. Chinook: a new high quality potato variety resistant to common scab. Amer. Potato J. 41, i.e. 43(1):1-5. Jan.1966. 75.8 P842

- 35745 O'KEEFE, R. B., and WERNER, H. O. Platte and Hi-Plains, two new scab resistant processing potato varieties. *Amer. Potato J.* 42(12): 361-368. Dec.1965. 75.8 P842
- 35746 OZAKI, H. Y. Pepper variety trial. *Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 65-3*, 5 p. Apr.1965. 80 F6644
- 35747 OZAKI, H. Y. Squash variety trail. *Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 65-4*, 3 p. May 1965. 80 F6644
- 35748 PALMER, T. P. New turnip Kapai 66 should help to solve winter feed problem. *New Zeal. J. Agr.* 111(7):55. Dec.1965. 23 N48J
- 35749 PILAT, A. Zuchetta, a variety of Cucurbita pepo. (Cz) *Ziva* 13(5):170. Sept.1965. 409.6 Z6 Culture.
- 35750 PLUMIER, W. Results of improving Brussels chicory. (Fr) *Ann. Gembloux* 71(2):169-176. Second Q. 1965. 13 G28 Witloof.
- 35751 POGA, L. Growing greenhouse tomatoes on peat soil. (Rus) *Kartofel' Ovoshchi* 1:36-38. Jan.1966. 75.8 K147
- 35752 POLUYAN, N. New tomato variety. (Rus) *Kartofel' Ovoshchi* 1:31. Jan.1966. 75.8 K147
- 35753 POPOVICH, F., and NIKOLAEVSKAYA, A. Varieties and hybrids of tomatoes for growing on artificial substrata. (Rus) *Kartofel' Ovoshchi* 1:39-40. Jan.1966. 75.8 K147
- 35754 POPOVOVA, D. Results of the hybridization between Capsicum annum L. and Capsicum annum var. fasciculatum. (Cz) *Pol'nohospodarstvo* 11(12):912-914. 1965. 19.5 P752
- 35755 POPPE, J. Science and technique in mushroom culture. (Fl) *Land- Tuinbouw Jaarboek* 20: 331-340. 1965. 13 L22
- 35756 PRAT, J. DE. The cucurbit, its culture and use. (Sp) *Cult. Mod.* 48(3):96. Mar.1965. 15 C89 Culture and various types of Cucurbitaceae.
- 35757 PUSATERI, F. J. 1965 potato harvest season in California. *West. Grower Shipper* 36(11):38-39, map. Nov.1965. 280.38 W52 Includes acreage.
- 35758 RETIG, B. Seeding rate trials for canning peas. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 454, 14 p. May 1964. 107 R26 English summary.
- 35759 ROGUSKI, K. Tasks of the potato breeding in Poland. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:39-40. 1965. 20 M57
- 35760 RUSSELL, R., and PONCIANO, M. A. Recomendaciones para el cultivo del pepino en Guatemala [Recommendations for cucumber culture in Guatemala]. *Guatemala. Inst. Agropecuar. Nac. Bol. Tec.* 12, 34 p. 1964. 281.9 G93
- 35761 SARALIDZE, A. Planting density for spring cabbage. (Rus) *Kartofel' Ovoshchi* 12:35. Dec.1965. 75.8 K147
- 35762 SCHASTLIVTSEVA, N. Early cucumbers in the North. (Rus) *Kartofel' Ovoshchi* 12:31-33. Dec.1965. 75.8 K147 Under plastic covers.
- 35763 SHTREIS, R., and GAVRILOVA, V. Methods to prevent accumulation of salts in substrata. (Rus) *Kartofel' Ovoshchi* 12:26-27. Dec.1965. 75.8 K147 Vegetable soilless culture.
- 35764 SOKOLENKO, N. F. Important in southern potato growing—summer planting of seed potatoes. (Rus) *Agrobiologiya* 6(156):840-850. Nov./Dec.1965. 20 Ag822
- 35765 STANESCU, E. Utilization of the waste of fiberboard manufacture for the culture of mushrooms. (Rum) *Indus. Lemnului* 16(4):139-140. Apr.1965. 99.82 In23
- 35766 SVENSSON, B. Investigation of seed and yield characteristics of the potato varieties Bintje and Grata. (Sw) *Sveriges Potatisodlares Riksförbund. Potatis* 1965:52-57. 75.8 Sv2
- 35767 SVERIGES POTATISODLARES RIKSFÖRBUND. *Potatis* [Potatoes], 1965. Kristianstad, 1965. 70 p. 75.8 Sv2
- 35768 SZALVA, P. The study of early kohlrabi growing. I. Earliness and profitability of kohlrabi as affected by various methods of plant raising. *Acta Agron. [Budapest]* 15(3/4):235-244. Ref. 1965. 19 Ac8
- 35769 TARAKANOV, G. Biological principles of agrotechnique and selection of cucumbers and tomatoes for growing under plastics. (Rus) *Kartofel' Ovoshchi* 12:16-19. Dec.1965. 75.8 K147
- 35770 TITARENKO, L. The good varieties of bush redpeppers. (Rus) *Kartofel' Ovoshchi* 1:33-34. Jan.1966. 75.8 K147
- 35771 TOMETORP, G., AVALL, H., and LINDFORS, S. Nya koksväxsorter i rikssortlistan 1965-1966. New vegetable varieties in the official list of cultivars eligible for certification, 1965-1966. *Uppsala. Lantbrukshögsk. Medd. Ser. A*, 39, 34 p. Ref. 1965. 11 Up62
- 35772 TORFS, P. Deterioration in cauliflower. (Fl) *Land- Tuinbouw Jaarboek* 20:231-234. 1965. 13 L22 Breeding.
- 35773 UFFELEN, J. VAN. Possibilities and difficulties in connection with pruning of early cucumbers. (Du) *Groten Fruit* 21(25):1135. Jan.5, 1966. 80 G89
- 35774 UMAERUS, M., and UMAERUS, V. Quality problems and potato breeding. (Sw) *Sveriges Potatisodlares Riksförbund. Potatis* 1965:63-64. 75.8 Sv2
- 35775 UNK, J. Results of bean growing experiments. (Hu) *Kiserletugyi Kozlemenyek* 58/C(1):75-86. 1965. 105.9 H89 English summary.
- 35776 USHAKOVA, E. I. Methods in selection of vegetables. (Rus) *Agrobiologiya* 6(156):803-812. Nov./Dec.1965. 20 Ag822
- 35777 VAJDA, L. Continuous production and harvesting of peas. (Hu) *Magyar Mezogazdasag* 20 (51):7-8. Dec.22, 1965. 19 M27
- 35778 VALUEV, V. Proper spacing in potato planting. (Rus) *Kartofel' Ovoshchi* 1:10-11. Jan.1966. 75.8 K147
- 35779 VESELOVSKII, I. Basic principles in selection of seed potatoes. (Rus) *Kartofel' Ovoshchi* 12:42-44. Dec.1965. 75.8 K147
- 35780 VLITOS, A. J., and DAVIES, W. N. L. Experimental production of several new sweet corn varieties for canning, and for fresh market use, in Trinidad. *Caribbean Food Crops Soc. Proc.*, 2d Annu. Meeting:73-87. 1964. 64.9 C19 Includes the canning process.
- 35781 VLUG, J. Early field culture of lettuce. (Du) *Groenten Fruit* 21(26):1181. Jan.12, 1966. 80 G89
- 35782 VOLODARSKII, N. Potato culture in Sweden. (Rus) *Kartofel' Ovoshchi* 1:46-48. Jan.1966. 75.8 K147
- 35783 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. *Kapucijners en rozijnervten* [Field and raisin peas], 1966. Wageningen. Inst. Rassenonderzoek Landbouwgewassen. *Ber. Rassenkeuze* 382, 2 p. Nov.1965. 64.9 W12 Varieties.
- 35784 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. *Ronde groene en gele erwten* [Round green and yellow peas], 1966. Wageningen. Inst. Rassenonderzoek Landbouwgewassen. *Ber. Rassenkeuze* 380, 3 p. Nov.1965. 64.9 W12 Variety trials.

- 35785 WAGENINGEN, INSTITUUT VOOR RASSEN-
ONDERZOEK VAN LANDBOUWGEWASSEN.
Schokkers [Marrow peas], 1966. Wageningen.
Inst. Rassenonderzoek Landbouwgewassen.
Ber. Rassenkeuze 381, 1 p. Nov. 1965.
64.9 W12
Varieties.
- 35786 WILLIS, W. G., DICKERSON, O. J., and
GREIG, J. K. Grow disease-free sweetpotato
plants. Kans. State Univ. Agr. Ext. L-183,
8 p.-folder. May 1965. 275.29 K13Le
Propagation by sprout cuttings.
- 35787 YLLO, L. The effect of plot size in potato va-
riety trials. (Fi) Suomen Maataloustieteellinen
Seura. Maataloustieteellinen Aikak. 37(1):7-12.
1965. 20 Su7M
English summary.
- 35788 ZANTEN, E. VAN. New methods for growing
lettuce seedlings. (Du) Groenten Fruit 21(19):
835. Nov. 17, 1965. 80 G89
- 35789 ZOBEL, M. P. Yolo County variety trials.
Calif. Tomato Grower 9(1):5, 10. Jan. 1966.
80 C1292
- WEEDS AND POISONOUS PLANTS**
- 35790 ABUEV, A. A. The effect of various herbicides
on tomatoes and Orobanche [aegyptiaca]. (Rus)
Timiryazevskaya Sel'skokhoz. Akad. Izv. 4:156-
165. 1965. 106 P44
Tests.
- 35791 AMANTAEV, E. A. Application of Simazine
and Atrazine on irrigated corn soils in Ka-
zakhstan. (Rus) Khim. Sel'skom Khoz. 3(8):
45-47. Aug. 1965. 385 K524
- 35792 ANTONYUK, V. G. Application of herbicides
in nurseries. (Rus) Khim. Sel'skom Khoz. 4:
53-56. Apr. 1965. 385 K524
Ornamental trees.
- 35793 ANTONYUK, V. G. Use of arboricides on
windbreaks in Crimea. (Rus) Khim. Sel'skom
Khoz. 3(9):54-57. Sept. 1965. 385 K524
2,4-D in brush control.
- 35794 ARNOLD, W. R., SANTELMANN, P. W., and
LYND, J. Q. Picloram and 2,4-D effects with
Aspergillus niger proliferation. Weeds 14(1):
89-90. Jan. 1966. 79.8 W41
- 35795 BAILEY, G. W., and WHITE, J. L. Herbicides:
a compilation of their physical, chemical, and
biological properties. Residue Rev. 10:97-122.
Ref. 1965. 389.9 R314
- 35796 BAKUNIAK, I., and OSTROWSKI, J. Method-
ology of laboratory testing of herbicides. (Pol)
In Poznan. Instytut Ochrony Roslin. Materiały
do metodyki badań biologicznej oceny środków
ochrony roślin, pt. 2, p. 83-86. 1964.
464.4 P87M
- 35797 BALDWIN, B. J. Weed control in rape and
chou moellier crops. Tasmanian J. Agr. 36(4):
272-275. Nov. 1965. 23 T182T
Chemical control.
- 35798 BEREZOVSKII, M. YA., ABRAMOVA, K. A.,
and SAFRA, R. A. Control of oxtongue by de-
rivatives of polychlorobenzoic acids. (Rus)
Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A.
Timiryazeva. Dokl. 103:231-234. 1965.
20 M857
Trysben 200.
- 35799 BOKAREV, K. S. Defolianty i desikanty raste-
nii [Plant defoliant and desiccants]. Moskva,
Nauka, 1965. 46 p. Ref. S585.B6
Chiefly on herbicides.
- 35800 BORODINA, T. R., and others. Aircraft in
control of weed on rice fields. (Rus) Khim.
Sel'skom Khoz. 3(8):37-42. Ref. Aug. 1965.
385 K524
M. S. Sokolova, D. A. Filimonov, and V. K.
Sapelkin, joint authors.
- 35801 CAMPBELL, M. H. How to identify serrated
tussock. Agr. Gaz. New S. Wales 76(11):679-
687. Nov. 1965. 23 N472
Nassella trichotoma.
- 35802 CHESALIN, G. A., and BALTABAEV, A. A.
Results from the study of the effects of herbi-
cides on perennial weeds. (Rus) Khim. Sel'-
skom Khoz. 3(10):54-56. Oct. 1965. 385 K524
In corn.
- 35803 CHKANIKOV, D. I., and others. Comparative
effectiveness of 2,4,5-Trichlorophenoxyacetic
acid esters. (Rus) Khim. Sel'skom Khoz. 2:
55-58. Ref. Feb. 1965. 385 K524
A. F. Kolomiets, Yu. I. Grosse, and V. V. Ba-
bin, joint authors.
Used on soybeans.
- 35804 CHOW, P. N., and others. Absorption, trans-
location, and metabolism of silvex in prickly
pear [Opuntia polyacantha]. Weeds 14(1):38-
41. Ref. Jan. 1966. 79.8 W41
O. C. Burnside, T. L. Lavy, and H. W.
Knoche, joint authors.
- 35805 COMMONWEALTH BUR. OF SOILS. Bibliogra-
phy on minimum cultivation using herbicides
(1964-1956). Commonwealth Bur. Soils [Annot.
Bibliogr.] 859, 5 p. 1965. 241 C734A
Chiefly weed control.
- 35806 CONNOR, D. J. Control of Amsinckia spp. by
the pastures of north-western Victoria. Aus-
tralian J. Exp. Agr. Anim. Husb. 5(19):500-
506. Nov. 1965. 23 Au792
Amsinckia hispida and A. lycopsoides.
- 35807 CONNOR, D. J. Seed production and seed ger-
mination of Amsinckia hispida. Australian J.
Exp. Agr. Anim. Husb. 5(19):495-499. Nov.
1965. 23 Au792
Weed on pastures.
- 35808 DALTON, R. L., EVANS, A. W., and RHODES,
R. C. Disappearance of diuron from cotton
field soils. Weeds 14(1):31-33. Jan. 1966.
79.8 W41
Residues in soils of Southern States.
- 35809 DANILOV, V. I. Chemical control of sagebrush
[Artemisia paniculata] on pastures. (Rus)
Khim. Sel'skom Khoz. 1:50-52. Jan. 1965.
385 K524
- 35810 DARBINYAN, G. A., and AGARONYAN, A. G.
Application of different herbicides on vine-
yards in Armenia. (Rus) Khim. Sel'skom
Khoz. 3(10):51-53. Oct. 1965. 385 K524
- 35811 DAWSON, J. H. Response of field dodder [Cus-
cuta campestris] to shade. Weeds 14(1):4-5.
Jan. 1966. 79.8 W41
Weed in alfalfa.
- 35812 DOMANSKA, H., and GORZELAK, A. Method-
ology of tests on chemical weed control in osier
willow plantings. (Pol) In Poznan. Instytut
Ochrony Roslin. Materiały do metodyki badań
biologicznej oceny środków ochrony roślin,
pt. 2, p. 45-48. 1964. 464.4 P87M
- 35813 DOROSHENKO, E. I. Use of Simazine and
Atrazine on corn fields in Polesye in the Uk-
raine. (Rus) Khim. Sel'skom Khoz. 7:49-51.
July 1965. 385 K524
- 35814 DOUGLAS, G. Chemical renewal of lowland
pastures. Brit. Grassland Soc. J. 20(4):233-
240. Dec. 1965. 60.19 B773
The use of paraquat for weed control in pas-
ture renewal.
- 35815 EDSON, E. F., and SANDERSON, D. M. Toxicity
of the herbicides, 2-methoxy-3,6-dichloro-
benzoic acid (Dicamba) and 2-methoxy-3,5,6-
trichlorobenzoic acid (Tricamba). Food Cos-
met. Toxicol. 3(2):299-304. Ref. Aug. 1965.
391.8 F73
- 35816 FRANS, R. E., SMITH, H. R., and FULLER-
TON, T. M. Herbicide field evaluation trials
on field crops and turf, 1965. Ark. Agr. Exp.
Sta. Mimeogr. Ser. 152, 28 p. Jan. 1966.
100 Ar42M
- 35817 FRIESEN, H. A., and others. Brush control in
western Canada. Can. Dep. Agr. Publ. 1240,
26 p. 1965. 99.9 C1628P
M. Aaston, W. G. Corns, J. L., Dobb, and A.
Johnston, joint authors.
Chemical and mechanical.

- 35818 FURTICK, W. R. Weed control for efficient production for newly developing nations. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:195-200. 1965. 4 N2122
- 35819 GASYMOV, S. G. Application of Simazine and Atrazine on corn grown under condition in Lenkoran- Astara Region. (Rus) Sel'skom Khoz. 3(9):58-59. Sept.1965. 385 K524
- 35820 GENTNER, W. A. Influence of acetone on the herbicidal properties of chloroxuron. Weeds 14(1):95-96. Jan.1966. 79.8 W41
- 35821 GIMESI, A. Some experiences from this year's dodder control. (Hu) Magyar Mezogazdasag 20(51):13-14. Dec.22,1965. 19 M27
With CIPC and dacthal.
- 35822 GRANSTROM, B. Control of weeds of fall oil crops. (Sw) Lantmannen 76(15):10-12. July 24,1965. 11 L234
Chiefly chemical control.
- 35823 GRANSTROM, B. Weeds in pastures. Malmohus Lans Hushallningssallsk. Kvartalsskr. 2: 211-216. 1965. 11 M29
Control.
- 35824 GULEVSKII, I. V. Effects of soil moisture on action of herbicides on weed growing in pea and chickpea crops. (Rus) Khim. Sel'skom Khoz. 3(10):57-58. Oct.1965. 385 K524
Atrazine and STA.
- 35825 GUTENMANN, W. H., and LISK, D. J. Conversion of 4-2,4-DB herbicide to 2,4-D by bluegills. N. Y. Fish Game J. 12(1):108-111. Jan.1965. 410 N48
- 35826 HANSSON, K. A. Chemical brush control. (Sw) Jonkopings Lans Hushallningssallsk. Tidskr. 4: 19-20. 1965. 11 J732
- 35827 HARRIS, C. I. Adsorption, movement, and phytotoxicity of monuron and s-triazine herbicides in soil. Weeds. 14(1):6-10. Ref. Jan. 1966. 79.8 W41
In Maryland soils.
- 35828 HERR, D. E. The movement and persistence of Picloram (4-amino-3,5,6-trichloropicolinic acid) in soil. Diss. Abs. 26(7):3570-3571. Jan. 1966. 241.8 M58
Effects on phytotoxicity.
- 35829 JAKOBSONS, P. Experiments on weed control with DNBP and calcium cyanamide in potatoes; 1957-61. (No) Forsk. Forsok Landbruget 16(4):251-264. Ref. 1965. 11 F772
English summary.
- 35830 KARNATZ, H. Simazine application also possible in mother plant quarters for fruit rootstocks. (Ge) Obstbauversuchsringes Alten Landes. Mitt. 20(6):232. June 1965. 85 J76
- 35831 KASASIAN, L., and DOHELAND, A. Promising weedicides for use in food crops. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:60-64. 1964. 64.9 C19
Analysis and properties.
- 35832 KHRAMTSOV, L. I., LAPCHENKOV, G. YA., and GOLOVANEV, P. S. Herbicides on fields of Don. (Rus) Khim. Sel'skom Khoz. 1:56-58. Jan.1965. 385 K524
Grain.
- 35833 KOLES'NIKOV, V. A. Results from the study of new herbicide application on carrot fields. (Rus) Khim. Sel'skom Khoz. 6:39-42. Ref. June 1965. 385 K524
- 35834 KOTT, Y., and others. Algicidal effect of bromine and chlorine on *Chlorella pyrenoidosa*. Appl. Microbiol. 14(1):8-11. Ref. Jan.1966. 448.3 Ap5
G. Hershkovitz, A. Shemtob, and J. B. Sless, joint authors.
Inhibitors of algal growth.
- 35835 KRASHENINNIKOV, N. N., and SHIRSHOV, A. P. Dates for application of Simazine and Atrazine on corn in non-chernozem zone. (Rus) Khim. Sel'skom Khoz. 6:43-44. June 1965. 385 K524
- 35836 KROLIKOWSKI, L., and GORZELAK, A. Laboratory method of biological evaluation of soils treated with herbicides. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2,p.41-43. 1964. 464.4 P87M
Tests with tree seedlings.
- 35837 KUKEDI, E. Ten years (1955-1965) of chemical weed control in Sorghum. Acta Agron. [Budapest] 15(3/4):309-320. Ref. 1965. 19 Ac8
- 35838 KULIEV, V. SH. Application of herbicides on winter pastures of Azerbaijan. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(5):82-84. 1965. 511 Ak147D
Atrazine, Simazine and 2,4-D.
- 35839 KULIEV, V. SH. Poisonous plants and weeds on winter pastures in Adzhinaura. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(8):62-65. 1965. 511 Ak147D
- 35840 KUWAHARA, M., KATO, N., and MUNAKATA, K. The photochemical reaction products of pentachlorophenol. Agr. Biol. Chem. 29(9):880-882. Sept.1965. 385 Ag8B
Herbicide decomposition product.
- 35841 KUZNETSOV, P. Promising method of weed control. (Rus) Sel'skokhoz. Proizv. Urala 7: 23-25. July 1965. 281.8 Se45
Tillage.
- 35842 LEONARD, W. F. Barley grass control. Lincoln Coll. Farmers' Conf. Proc., 15th Conf.: 112-114. 1965. 27 L63
In the culture of lucerne.
- 35843 LINDEGAARD, J. Control of quackgrass after harvesting. (Da) Landbonyt 19(8):275-277. Aug.1965. 11 L2322
Chemical.
- 35844 LITTLEFIELD, N. A., PATTEE, H. E., and ALLRED, K. R. Movement of sugars in the alfalfa-dodder [*Cuscuta*] association. Weeds 14(1):52-54. Jan.1966. 79.8 W41
The withdrawing of sugars from the alfalfa by the weed *Cuscuta*; includes control.
- 35845 LITVINOV, N. I. Results from the study of biuret as herbicide under condition in Donets Region. (Rus) Khim. Sel'skom Khoz. 4:49-53. Apr.1965. 385 K524
Corn.
- 35846 LORENZONI, G. G. La vegetazione infestante del mais in Emilia, Toscana, Umbria e Marche [Vegetation infesting corn in Emilia, Tuscany, Umbria and the Marches]. Bergamo. Sta. Sperim. Maiscoltura. Publ. 182,46 p.,map. 1965. 105.4 B453
English summary.
Plant associations.
- 35847 LUXMOORE, R. J. Skeleton weed—surveys guide research. S. Australia J. Agr. 69(5): 168-173, map. Dec.1965. 23 So84
Chiefly chemical control of *Chondrilla*.
- 35848 MAJ, J. General methodology for tests on chemical weed control in berry fruit plantings. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2,p.49-57. 1964. 464.4 P87M
- 35849 MATVEENKO, G. A. Triazine derivatives in control of weeds on sorghum. (Rus) Khim. Sel'skom Khoz. 3(8):43-45. Aug.1965. 385 K524
Atrazine and Simazine on *Sorghum saccharatum*.
- 35850 MAULDIN, W. G., MUZIK, T. J., and ROBOCKER, W. C. Influence of thiamin on response of coast fiddleneck [*Amsinckia intermedia*] to 2,4-D at low temperature. Weeds 14(1):1-3. Ref. Jan.1966. 79.8 W41
- 35851 MEADE, J. A. Chemical weed control in field crops. Md. Univ. Ext. Fact Sheet 13, rev., 4 p. Feb.1965. 275.29 M36Fa

- 35852 MEL'NICHUK, A. S., MARTYNYENKO, V. I., and USHAKOVA, L. T. Use of herbicides on proso. (Rus) Khim. Sel'skom Khoz. 3(9):51-54. Sept.1965. 385 K524
- 35853 MINAKOV, N. A. Opyt ispol'zovaniya gerbitsidov v kolkhozakh i sovkhazakh [Use of herbicides on collective and state farms]. Voronezh, Tsentral'nochernozemnoe Knizhnoe Izdatel'stvo, 1964. 64 p. SB613.U4M5
- 35854 NAIDU, B. A., MURTY, M. S., and RAO, I. V. S. Note on the control of water hyacinth by hormonal herbicides. Andhra Agr. J. 12(1):22-28. Ref. 1965. 34.2 An4
Eichhornia crassipes.
- 35855 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bericht over chemische bestrijding van waterplanten [Report on the chemical control of aquatic plants]. Netherlands. Plantenziektenk. Dienst. Ber. 1644,9 p. May 15,1965. 464.9 N38
- 35856 NIKOLAENKO, ZH. I. Effects of Alipur and Murbetol on microorganisms in soils. (Rus) Khim. Sel'skom Khoz. 7:46-49. July 1965. 385 K524
Used in weed control on sugar beets.
- 35857 NOSYREVA, R. D. Cost and returns in application of herbicides on field crops and fruit orchards. (Rus) Khim. Sel'skom Khoz. 3(10):71. Oct.1965. 385 K524
- 35858 OSTROBORODOV, V. M. Application of herbicides on sugar beets. (Rus) Khim. Sel'skom Khoz. 4(2):55-56. Feb.1966. 385 K524
- 35859 PEABODY, D. V., and AUSTENSON, H. M. Herbicides and their effect on the yield of grass seed. Agron. J. 57(6):633-634. Nov./Dec.1965. 4 Am34P
- 35860 POZNAN. INSTYTUT OCHRONY ROSLIN. Materialy do metodyki badan biologicznej oceny ochrony roslin. Czesc II. Herbicydy [Materials to the methodology of evaluation of plant protection substances. Part II. Herbicides]. Poznan, 1964. 109 p. Ref. 464.4 P87M
- 35861 RAABE, R. D., and THOMAS, H. E. A dodder [*Cuscuta approximata* urceolata] on St. Johnswort [*Hypericum calycinum*] and ivy [*Hedera helix*]. Plant Dis. Rep. 49(12):1015. Dec.1965. 1.9 P69P
- 35862 RADKE, R. O., ARMSTRONG, D. E., and CHESTERS, G. Herbicide colorimetric procedures: evaluation of the pyridine-alkali colorimetric method for determination of Atrazine. J. Agr. Food Chem. 14(1):70-73. Ref. Jan./Feb.1966. 381 J8223
- 35863 ROBERTS, H. A., and STOKES, F. G. Studies on the weeds of vegetable crops. V. Final observations on an experiment with different primary cultivations. J. Appl. Ecol. 2(2):307-315. Ref. Nov.1965. 410 J828
Viability of weed seeds.
- 35864 ROLA, J. Methodology of agrophytosociological evaluating analysis for field testing of herbicides. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2, p.11-16. 1964. 464.4 P87M
- 35865 ROYCE, R. D. A tree to avoid; Robinia—the false acacia. West. Australia. Dep. Agr. J. (ser.4)6(9):550-552. Sept.1965. 23 W52J
Toxic to horses, cattle, and sheep.
- 35866 RYERSON, D. E. The woody associates, distribution, and chemical control of coyotillo (*Karwinskia humboldtiana* (R. & S.) Zucc.). Diss. Abs. 26(7):3572-3573. Jan.1966. 241.8 M58
- 35867 SCHALLOCK, D. A. Weed control in blueberries. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:5-6. 1965. 94.35 N46A
Use of Chloro IPC, Karmex, and simazine.
- 35868 SCHWARTZ, H. Chemical weed control in cotton. Utrecht, Schotanus & Jens, 1965. 197 p. Ref. 72 Sch92
Thesis—Rijksuniversiteit, Utrecht.
- 35869 SCHWEIZER, E. E., and HOLSTUN, J. T. Persistence of five cotton herbicides in four Southern soils. Weeds 14(1):22-26. Ref. Jan.1966. 79.8 W41
Georgia, Louisiana and Mississippi.
- 35870 SHAW, W. C. Weed control for efficient production in the United States. Nat. Res. Council. Agr. Res. Inst. Proc., 14th Annu. Meeting:183-194. 1965. 4 N2122
Chiefly chemical control.
- 35871 SHOGAM, S. M., and KUSNIROVICH, E. I. Method for analysis of herbicides, derivatives of urea. (Rus) Khim. Sel'skom Khoz. 4(2):56-58. Feb.1966. 385 K524
- 35872 SISTO, A. N. Diserbo chimico selettivo concetti fondamentali e criterii applicativi [Selective herbicides; fundamental concepts and criteria for application]. Soc. Ital. Amer. Prod. Antiparasitar. Quad. Tec. S.I.A.P.A. 18,203 p. Ref. 1965. 423 Sol3Q
- 35873 SMORODIN, P. I. Effects and aftereffects of Simazine on weeds grown on sody-light Podzol soils, sandy soils and clayey soils. (Rus) Khim. Sel'skhoz. 1:47-50. Ref. Jan.1965. 385 K524
Corn weed control.
- 35874 SVEREPOVA, G. *Lamium x holsaticum* Krause. (Cz) Ziva 13(3):97. May 1965. 409.6 Z6
A free hybrid between *L. maculatum* and *L. album*.
- 35875 SWIETOCHOWSKI, B., and BIESZCZAD, S. Methodics of biological evaluation of herbicides on pastures and meadows. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2,p.17-29. 1964. 464.4 P87M
- 35876 SZYMURA, W., MADZIARA, A., and KRAWIEC, S. Methodology of small plot experiments in chemical control of weeds. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2,p.97-103. 1964. 464.4 P87M
- 35877 TABLERT, R. E. Field evaluation of herbicides on vegetable crops, 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 148,19 p. Dec.1965. 100 Ar42M
- 35878 THIESFELD, V. A. Quantitative determination of scopoletin, scopolin, and rutin in tobacco plants treated with 2,4-dichlorophenoxyacetic acid. Diss. Abs. 26(7):3607. Jan.1966. 241.8 M58
- 35879 TIDEMAN, A. F. New herbicides [prometryne] for cereal growers. S. Australia J. Agr. 69 (5):153-155. Dec.1965. 23 So84
Weed control in barley and wheat.
- 35880 TUROWSKI, W. Methodology for field experiments with herbicides to be used on plantings of some drug plants. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2,p.31-39. 1964. 464.4 P87M
- 35881 UPCHURCH, R. P., and others. The correlation of herbicidal activity with soil and climatic factors. Weeds 14(1):42-49. Ref. Jan.1966. 79.8 W41
F. L. Selman, D. D. Mason, and E. J. Kamprath, joint authors.
- 35882 VAN VUUREN, L. R. J., and others. The floatation of algae in water reclamation. Int. J. Air Water Pollut. 9(12):823-832. Dec.1965. 449.8 In8
P. G. J. Meiring, M. R. Henzen, and F. F. Kolbe, joint authors.
Includes control.
- 35883 VASIL'EV, D. S., and YAROSLAVSKAYA, P. N. Application of mixture of butyl ether 2,4-D and Dalapon in control of weeds on castorbeans. (Rus) Khim. Sel'skom Khoz. 3(10):49-51. Oct. 1965. 385 K524
- 35884 VESELOVSKII, I. V., and AVTANASOV, V. P. Experience in application of herbicides on corn crops. (Rus) Khim. Sel'skom Khoz. 4(2):73-74. Feb.1966. 385 K524

- 35885 WAFFELAERT, P. Chemical weeding of salads. (Fr) Pyrenees-Orientale. Chambre Agr. Bull. Tech. 29:31-39. Mar.1964. 14 F8462
Lettuce and endives.
- 35886 WAKEFIELD, R. C., and SKALAND, N. Effects of seeding rate and chemical weed control on establishment and subsequent growth of alfalfa (*Medicago sativa* L.) and birdsfoot trefoil (*Lotus corniculatus* L.). Agron. J. 57(6):547-550. Nov./Dec.1965. 4 Am34P
Chiefly weed control with EPTC, 4(2,4-DB) and dalapon.
- 35887 WILSON, C. L. Consideration of the use of persimmon wilt as a silvicide for weed persimmons. Plant Dis. Rep. 49(9):789-791. Sept.1965. 1.9 P69P
Inoculation of persimmon stumps with *Cephalosporium diospyri* as a means of control in Arkansas.
- 35888 WILSON, H. P., and COLE, R. H. Morningglory competition in soybeans. Weeds 14(1):49-51. Ref. Jan.1966. 79.8 W41
Ipomoea purpurea and *I. hederacea*; includes control, and effects of *Ipomoea* on soybean yields.
- 35889 WOOTEN, O. B., HOLSTUN, J. T., and BAKER, R. S. Knife injector for the application of EPTC. Weeds 14(1):92-93. Jan.1966. 79.8 W41
Application and application equipment.
- 35890 YARLETT, L. L. Brush control takes unusual form on Florida's saw-palmetto [*Serenoa repens*] ranges. Soil Conserv. 31(7):151-152. Feb.1966. 1.6 So3S
- 35891 YURINA, L. V. Application of herbicides in fruit gardens. (Rus) Khim. Sel'skom Khoz. 6: 71-72. June 1965. 385 K524
Alipur, Dalapon, and Murbetol.
- 35892 ZAVARZIN, V. I. Application of herbicides in fruit gardens. (Rus) Khim. Sel'skom Khoz. 3 (10):45-49. Ref. Oct.1965. 385 K524
Apples.
- MISCELLANEOUS ECONOMIC PLANTS**
(Drug, Dye, Rubber, etc.)
- 35893 AMERICAN SOCIETY OF PHARMACOGNOSY. Proceedings, 6th annual meeting (with The Society for Economic Botany) June 15-18, 1965, Kingston, Rhode Island. Lloydia 28(3):257-263. Sept.1965. 442.8 L77
Abstracts of papers.
- 35894 BETTS, T. J. The conservation of *Digitalis* [patripurea]. Lloydia 28(3):181-190. Ref. Sept. 1965. 442.8 L77
Includes culture and drying.
- 35895 BLORE, T. W. D. Arabica coffee selections and genetic improvement in Kenya. Kenya Coffee 30(359):491-493. Nov.1965. 68.29 C652
- 35896 BROCK, B. J. The importance of the sago-palm (*Metroxylon* spp.) in the lives of the coastal people of Papua and New Guinea. S. Australian Natur. 39(3):45-47. Mar.1965. 410 So82
- 35897 CHLADEK, M. Economic utilization of the genus *Thymus*. (Cz) Ziva 13(2):58. Mar. 1965. 409.6 Z6
- 35898 DUBLIN, P. The cola tree (*Cola nitida*) in the Central African Republic; culture and improvement. II. (Fr) Cafe, Cacao, The 9(3):175-192. Ref. July/Sept.1965. 68.8 C112
English summary.
Includes its physiology and the morphology of colanuts.
- 35899 FIGOLI, B. The exploitation of *Mentha piperita* in Argentina. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 211:92-96. July 1965. 9 Id3
Culture, distillation, and costs.
- 35900 GODOY, C. Coffee; seedlings in polyethylene containers. (Por) Rev. Agr. [Piracicaba] 40 (4):161-166. Dec.1965. 9.2 R324
English summary.
- 35901 HANSSON, A. Honey plants. 11. Fireweed [*Chamaenerion angustifolium*]. (Sw) Bitidningen 64(12):368-369, map. Dec.1965. 424.8 B54
- 35902 KABELIK, J. Echinacea, a drug plant of the future? (Cz) Ziva 13(1):4-5. Jan.1965. 409.6 Z6
Echinacea purpurea.
- 35903 KOBYLKA, B. What is Peruvian pepper? (Cz) Ziva 13(6):210-211. Nov.1965. 409.6 Z6
Genus *Schinus*; includes culture.
- 35904 LEMS, G. Cacao plant material recommendation 1965-1967. (Du) Surinaamse Landbouw 13 (5):177-182. Ref. 1965. 9.6 Su7
English summary.
- 35905 LONSKY, L. Before the season of collecting forest food plants. (Cz) Les [Bratislava] 21 (8):241-243. Aug.1965. 99.8 L5632
- 35906 LUCKNOW, CENTRAL INDIAN MEDICINAL PLANTS ORGANIZATION. Annual report, 1964. Lucknow, 1965? 36 p. 330.9 In22A
Under the Council of Scientific and Industrial Research of India.
- 35907 MEINEKE, E. The Morton Arboretum where bees and flowers meet. Amer. Bee J. 105(11): 411. Nov.1965. 424.8 Am3
Honey plants in Illinois.
- 35908 MELLINGER, M. B. The sweet sourwood [*Oxydendrum arboreum*]. Gleanings Bee Cult. 93(11):662-663. Nov.1965. 424.8 G47
Honey plant.
- 35909 PAUN, E., and MIHALEA, A. Study of the main agrotechnical measures for peppermint (*Mentha piperita* L.). (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:261-272. 1963, pub. 1965. 64.9 R86
English summary.
Planting date, tillage and fertilizers.
- 35910 PELLETT, M. From the honey plant gardens: tuberous vetchling [*Lathyrus tuberosus*]. Amer. Bee J. 105(12):449. Dec.1965. 424.8 Am3
- 35911 PETR, T. *Glycyrrhiza glabra* L. (Cz) Ziva 13(5):174. Sept.1965. 409.6 Z6
Culture.
- 35912 PFEFFER, L. Forest fruit. (Cz) Les [Bratislava] 21(9):266-267. Sept.1965. 99.8 L5632
- 35913 PIJCK, J., and CLAEYS, A. The determination of trace-elements in botanic material by radio-activation analysis. Ghent. Landbouwhogeschool. Mededel. 30(2):1295-1310. Ref. 1965. 105.1 G344
Ginseng (*Panax schinseng*) roots.
- 35914 PILAT, A. On the Vanilla. (Cz) Ziva 13(4): 131-132. July 1965. 409.6 Z6
Culture of *Vanilla planifolia*.
- 35915 PINTO, M. F. Palms of Angola. (Por) Gaz. Agr. Angola 10(9):495-500, 506. Sept.1965. 24 G252
Culture of different types of palms.
- 35916 SANCHEZ M., R. Anatto tree. (Sp) Agr. Trop. 21(4):224-227. Apr.1965. 26 Ag8
Culture and uses of *Bixa orellana*.
- 35917 SETHI, H., SHARMA, B. K., and BERI, R. M. Optimum stage of growth for harvesting the leaves of Indian belladonna [*Atropa acuminata*] cultivated in the Chakrata Hills. Indian Forest. 91(10):751-753. Oct.1965. 99.8 In2
- 35918 TSAREV, S. G. Lekarstvennye rasteniya v veterinarii [Drug plants used in veterinary medicine]. Moskva, Rossel'khozizdat, 1964. 171 p. QK99.T75
- 35919 TULEY, P. How to tap a *Raphia* palm. Nigerian Field 30(3):120-132. July 1965. 410 N56
To obtain palm wine chiefly from *Raphia hookeri*.
- 35920 WILHELM, E. J. Medicinal plants of the southern highlands. Assoc. Amer. Geog. Ann. 55(4): 656. Dec.1965. 500 As73

SOILS AND FERTILIZERS

SOIL SCIENCE

- 35921 BABARCZY, J. The first Hungarian soil science textbook was published 100 years ago. (Hu) *Agrokem. Talajtan* 14(3/4):329-330. Dec. 1965. 385 Ag83
- 35922 BEAR, F. E. Fiftieth anniversary of Soil Science. *Soil Sci.* 101(1):3. Jan.1966. 56.8 So3
- 35923 EHWALD, D. Einige philosophische Probleme in der Bodenkunde [Some philosophic problems in soil science]. *Deut. Akad. Landwirtschaftswiss. Sitzungsber.* 13(8),30 p. Ref. 1964. 18 D4825
English summary.
- 35924 GROSS, M. W. The printed word. *Soil Sci.* 101(1):4. Jan.1966. 56.8 So3
Soil Science.
- 35925 MERRILL, L. G. Congratulations to Soil Science. *Soil Sci.* 101(1):5. Jan.1966. 56.8 So3
- 35926 PINEIRO, A. Soil science; present state; theoretical value and practice; critique; its possibilities in our country. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 212:1-36. Ref. Aug. 1965. 9 Ii3
- 35927 SOIL science. Anniversary issue 1916-1966. *Soil Sci.* 101(1),80 p. Ref. Jan.1966. 56.8 So3
- 35928 WAKSMAN, S. A. The background of Soil Science. *Soil Sci.* 101(1):6-10. Jan.1966. 56.8 So3

Soil Physics

- 35929 ABD-EL AZIZ, M. H. The interaction of water and salt flow in unsaturated soils. *Diss. Abs.* 26(6):2941. Dec.1965. 241.8 M58
- 35930 AFANAS'EV, G. V., and PEROVSKII, D. E. Water and physical characteristics of soils in flood plains of middle Dvina, Vychegda and Pechora Rivers. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:53-59. 1965. 20 M857
- 35931 AHMED, S. Effects of adsorbed cations on the physical properties of soils under arid conditions. *Diss. Abs.* 26(6):2942. Dec.1965. 241.8 M58
- 35932 AMEMIYA, M. The influence of aggregate size on soil moisture content-capillary conductivity relations. *Soil Sci. Soc. Amer. Proc.* 29(6):744-748. Ref. Nov./Dec.1965. 56.9 So3
- 35933 ANDREW, W. D. The effects of some pasture species on soil structure. *Australian J. Exp. Agr. Anim. Husb.* 5(17):133-136. May 1965. 23 Au792
- 35934 BOEVER, J. DE, and BOODT, M. DE. The application of cadmium and cast nylon in the measurement of soil moisture with a neutron moisture meter. *Ghent. Landbouwhoges. Mededel.* 30(2):914-923. 1965. 105.1 G344
- 35935 CAMPBELL, R. E. A tool for removing neutron probe access tubes from the soil. *Soil Sci. Soc. Amer. Proc.* 29(6):761-762. Nov./Dec.1965. 56.9 So3
- 35936 CARY, J. W. Vapor pressures of an air-water interface during evaporation. *Agron. J.* 57(6):607-610. Nov./Dec.1965. 4 Am34P
- 35937 COVEY, W. G. Studies on the drying of bare ground. *Diss. Abs.* 26(7):3559. Jan.1966. 241.8 M58
- 35938 CURRY, L. A stochastic model of the soil moisture balance. *Assoc. Amer. Geog. Ann.* 55(4):611. Dec.1965. 500 As73
- 35939 DROBNIKOVA, V., and DROBNIK, J. Soil respiration. *Zentralbl. Bakteri. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss.* 119(7):714-729. Ref. Nov.1965. 448.3 C33
- 35940 EAGLEMAN, J. R., and DECKER, W. L. The role of soil moisture in evapotranspiration. *Agron. J.* 57(6):626-629. Ref. Nov./Dec.1965. 4 Am34P

- 35941 ESHANOV, I. E. Effects of polymer aggregations on soil fertility and yielding of cotton. (Rus) *Khim. Sel'skom Khoz.* 3(9):69-73. Ref. Sept.1965. 385 K524
- 35942 FERNANDEZ, B., and WILKINSON, G. E. Effect of crop cultures on the infiltration of water into a Chestnut soil. *Soil Sci. Soc. Amer. Proc.* 29(6):748-752. Ref. Nov./Dec.1965. 56.9 So3
- 35943 FOIL, R. R. The effects of compaction on soil characteristics and seedling growth. *Diss. Abs.* 26(6):2955. Dec.1965. 241.8 M58
- 35944 GERARD, C. J. The influence of soil moisture, soil texture, drying conditions, and exchangeable cations on soil strength. *Soil Sci. Soc. Amer. Proc.* 29(6):641-645. Nov./Dec.1965. 56.9 So3
- 35945 GRISHINA, L. A. Structure of soddy-meadow soils of the Moskva River flood plain. (Rus) *Moscow. Univ. Vestnik. Ser. 6.* 6:67-73. Ref. Nov./Dec.1964. 442.9 M854
- 35946 JACOBS, H. S., and WITHEE, L. V. Soil moisture tension: presentation for beginning soil students. *Agron. J.* 57(6):639-642. Nov./Dec. 1965. 4 Am34P
- 35947 KERMIS, L. Some concepts of soil compaction through transportation on agricultural soils. (Fl) *Land- Tuinbouw Jaarboek* 20:417-423. 1965. 13 L22
Tractors.
- 35948 KIRKBY, M. J. Measurements of soil creep. *Assoc. Amer. Geog. Ann.* 55(4):626. Dec.1965. 500 As73
- 35949 KITCHING, R. A precision portable electrical resistance bridge incorporating a centre zero null detector. *J. Agr. Eng. Res.* 10(3):264-266. Sept.1965. 58.8 J82
For measuring resistance of soil blocks and thermistors.
- 35950 KONDRATOVA, N. S. Temperature regime of soil in the area of hilly tundra covered with dwarf arctic birch [*Betula nana*] in the Vorkuta region. (Rus) *Moscow. Univ. Vestnik. Ser. 6.* 5:63-69. Sept./Oct.1964. 442.9 M854
- 35951 KOOPMANS, R. W. R. Soil freezing and soil water characteristic curves. *Diss. Abs.* 26(6):2969. Dec.1965. 241.8 M58
- 35952 LUPINOVICH, I. S., and AFANAS'EV, N. I. Thermal properties of water-logged soils of Belorussia. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(10):683-685. Oct.1965. 511 M663D
- 35953 MASSAUX, F., and BENTZ, A. Measurement of a water profile by gamma ray absorption. (Fr) *Ghent. Landbouwhoges. Mededel.* 30(2):905-913. 1965. 105.1 G344
In soils.
- 35954 MCDONALD, D. C., and JULIAN, R. Quantitative estimation of soil total porosity and macro-porosity as part of the pedological description. *New Zeal. J. Agr. Res.* 8(4):927-946. Nov.1965. 23 N4892
- 35955 MELISENDA, I. Hydrological calculations for agricultural land; influence of "climate." (It) *Acqua Agr. Ig. Indus.* 42(4):89-106. July/Aug. 1964. 290.8 Ac7
English summary.
Evapotranspiration.
- 35956 MOERMAN, P. The resolution of the neutron diffusion method in soil moisture determination. *Ghent. Landbouwhoges. Mededel.* 30(2):925-931. 1965. 105.1 G344
- 35957 MUNRO, C. H. The assessment of the water resources of the Territory of Papua and New Guinea. *New S. Wales. Univ. Water Res. Lab. Rep.* 74,37 p. Oct.1964. 292.9 N472
Includes data on evapotranspiration and underground water.
- 35958 RAO, K. P., and DURAIRAJ, D. J. Suggested simplification in procedure for the brass cup experiment of Keen and Raczkowski. *Andhra Agr. J.* 12(1):17-21. 1965. 34.2 An4
For determining water holding capacity of soil.

- 35959 RAYMUNDO, M. E. The properties of the Black earths of Hawaii. Diss. Abs. 26(6):2945. Dec.1965. 241.8 M58
- 35960 SOLDATENKOVA, YU. P. The temperature regime of soils and of various vegetative communities covering the soil in the Salekhard region. (Rus) Moscow. Univ. Vestnik. Ser. 6, 4:49-58. July/Aug.1965. 442.9 M854
- 35961 TAIMURAZOVA, L. KH. Adsorption of hydrolyzed polyacrylamide by minerals and by soil. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5: 86-90. Ref. Sept./Oct.1965. 442.9 M854
- 35962 TAIMURAZOVA, L. KH., and IGNAT'eva, L. A. Study of interaction between minerals and polymers by infrared spectroscopy. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:81-86. Ref. Mar./Apr.1965. 442.9 M854
Soil conditioners.
- 35963 VALLE FLORENCIA, H. DEL. Determination of soil moisture using gypsum blocks and the "Chapingo 63" measurer. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:95-104. 1964. 55.9 Se5
- 35964 WHISLER, F. D., ENGLE, C. F., and BAUGHMAN, N. M. The effect of soil compaction on nitrogen transformations in the soil. W. Va. Agr. Exp. Sta. Bull. 516T, 12 p. Ref. Nov.1965. 100 W52
- Soil Chemistry and Mineralogy
- 35965 AFANAS'EV, G. V. Study of soil chemistry on collective and state farms in Arkhangel Region. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:47-51. 1965. 20 M857
- 35966 ALESHIN, S. N., and KURBATOV, A. I. Qualitative and quantitative characteristics of humus compounds in soils of steppe. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:5-10. 1965. 20 M857
- 35967 BAERT, L. Determination of labile phosphate and phosphate retention of soils using P³². (Fl) Gent. Landbouwhogeschool. Mededel. 30(2): 1149-1163. Ref. 1965. 105.1 G344
English summary.
- 35968 BATES, T. E., and SCOTT, A. D. Soil moisture effects on potassium release observed on drying soils with organic additives. Soil Sci. Soc. Amer. Proc. 29(6):673-676. Nov./Dec. 1965. 56.9 So3
- 35969 BAUMGARDNER, M. F. Relationships between the properties of the illite fraction and the potassium-supplying power of several Indiana soils. Diss. Abs. 26(6):2967. Dec.1965. 241.8 M58
- 35970 BAZILINSKAYA, M. V. Quality and composition of humus in Solonchok soil complex of forest-steppe zone in western Siberia. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:35-40. Ref. 1965. 20 M857
- 35971 BEDROSIAN, A. J., and HANNA, W. J. Trace element relationships in New Jersey soils. Soil Sci. 101(1):50-56. Ref. Jan.1966. 56.8 So3
- 35972 BINGHAM, F. T., SIMS, J. R., and PAGE, A. L. Retention of acetate by montmorillonite. Soil Sci. Soc. Amer. Proc. 29(6):670-672. Ref. Nov./Dec.1965. 56.9 So3
- 35973 BROADBENT, F. E. Effect of fertilizer nitrogen on the release of soil nitrogen. Soil Sci. Soc. Amer. Proc. 29(6):692-696. Ref. Nov./Dec.1965. 56.9 So3
- 35974 CASTOR, C. E., and BELSER, N. O. Soil fumigant hydrolysis: hydrolysis of cis- and trans-1,3-dichloropropene in wet soil. J. Agr. Food Chem. 14(1):69-70. Jan./Feb.1966. 381 J8223
- 35975 DE, S. K., and SRIVASTAVA, K. K. A note on rapid titration curves for non-equilibrated acid soil-water systems. (Hu) Agrochem. Talajtan 14(3/4):227-234. Dec.1965. 385 Ag83
English summary.
In relation to buffering capacity of soils.
- 35976 DEIKOVA, Z. E. Contemporary methods for determination of boron in soils and degree of their accuracy. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:459-464. 1965. 20 M857
- 35977 DELL'AGNOLA, G., MAGGIONI, A., and FERRARI, G. Gel filtration of humus. IV. Appraisal of various techniques for extracting humus through Sephadex fractionation. (It) Agrochimica 9(3):224-231. June 1965. 385 Ag84
English summary.
- 35978 DEWAN, H. C. Acidity of certain Virginia soils as related to their mineralogy and chemistry. Diss. Abs. 26(7):3575. Jan.1966. 241.8 M58
- 35979 DOLL, E. C., and others. Release of potassium from soil fractions during cropping. Soil Sci. Soc. Amer. Proc. 29(6):699-702. Ref. Nov./Dec.1965. 56.9 So3
M. M. Mortland, K. Lawton, and B. G. Ellis, joint authors.
- 35980 DZUBAY, M. The statistical evaluation of some soil examination methods. (Hu) Agrochem. Talajtan 14(3/4):249-264. Ref. Dec.1965. 385 Ag83
English summary.
- 35981 ERVIO, R., and VIRRI, K. Trace element contents in the soils of Middle Uusimaa. (Fi) Ann. Agr. Fenn. 4(3):178-184. Ref. 1965. 20 An7
English summary.
- 35982 FUKEL'MAN, L. M. Determination of dalapon in soils and green plants. (Rus) Khim. Sel'skom Khoz. 3(8):50-53. Aug.1965. 385 K524
Fruit.
- 35983 GARCIA RODRIGUEZ, A., LUCENA CONDE, F., and PEREZ PEREZ, R. Sulfur content of soils of the Rio Tormes central basin. (Sp) Agrochimica 9(3):200-210. Ref. June 1965. 385 Ag84
English summary.
- 35984 GLORIA, N. A. DA, CATANI, R. A., and MATUO, T. Determination of soil cation exchange by the EDTA methods. (Por) Rev. Agr. [Piracicaba] 40(4):193-198. Dec.1965. 9.2 R324
English summary.
- 35985 GLUSHCHENKO, A. V., ZYRIN, N. G., and IMADI, T. KH. The iodine content of the light soils of the terrace of the ancient Moscow Valley. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6: 74-80. Ref. Nov./Dec.1964. 442.9 M854
- 35986 GOLETIANI, D. G. Simplified method for determination of manganese in soils. (Rus) Khim. Sel'skom Khoz. 3(10):21-23. Oct.1965. 385 K524
- 35987 HARTER, R. D., and MCLEAN, E. O. The effect of moisture level and incubation time on the chemical equilibria of a Toledo clay loam soil. Agron. J. 57(6):583-588. Ref. Nov./Dec. 1965. 4 Am34P
- 35988 HILTON, H. W., and YUEN, Q. H. Adsorption and leaching of herbicides in Hawaiian sugarcane soils. J. Agr. Food Chem. 14(1):86-90. Ref. Jan./Feb.1966. 381 J8223
- 35989 HODGSON, J. F., GEERING, H. R., and NORVELL, W. A. Micronutrient cation complexes in soil solution: partition between complexed and uncomplexed forms by solvent extraction. Soil Sci. Soc. Amer. Proc. 29(6):665-669. Ref. Nov./Dec.1965. 56.9 So3
- 35990 HUANG, P. M., and JACKSON, M. L. Mechanism of reaction of neutral fluoride solution with layer silicates and oxides of soil. Soil Sci. Soc. Amer. Proc. 29(6):661-665. Ref. Nov./Dec.1965. 56.9 So3
- 35991 JENKIN, R. N. The effect of different cultural treatments on the normal annual cycle of variation in the ammonia- and nitrate-nitrogen contents of the soil. Nigerian Forest. Conf. Proc., 1st Conf.:93-100. Ref. 1964. 99.9 N567
- 35992 KAMENEV, V. F. Determination of iodine and bromine in soils, water and in biological matter of plants and animals. (Rus) Khim. Zhur. 1:26-28. Jan.1965. 385 K524

- 35993 KAURICHEV, I. S., and SHISHOVA, V. S. Organic matter in sandy soils and clayey soils in Meshchera. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:27-34. 1965. 20 M857
- 35994 KHAN, D. H., and HAQUE, M. Z. Volatilisation loss of nitrogen from urea added to some soils of East Pakistan. J. Sci. Food Agr. 16 (12):725-729. Ref. Dec.1965. 382 So12
- 35995 KOLAR, L., BICAN, J., and KONDRATOVA, M. Mobility of zinc in Podzol types of soils. (Cz) Za Vysokou Urodu 13(9):356. Aug.30, 1965. 64.8 Z12
- 35996 KOZAK, M. Utilization of isotope Rb⁸⁶ in investigations concerning the circulation of potassium in the soil. Ghent. Landbouwhoges. Mededel. 30(2):1125-1140. Ref. 1965. 105.1 G344
- 35997 KOZAK, M. Utilization of Rb⁸⁶ isotope in investigating potassium exchange of soils. II. Dynamics of Rb⁸⁶ labelled potassium in various soils. (Hu) Agrokem. Talajtan 14(3/4):171-190. Ref. Dec.1965. 385 Ag83
English summary.
- 35998 KUDEYAROV, V. N. Absorption of ammonium ions by soil particles and its accessibility to plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:123-130. 1965. 20 M857
- 35999 KUPREVICH, V. F., IVASHKEVISH, T. M., and SHCHERBAKOVA, T. A. Free amino acid content of peat soils with different levels of underground waters. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(12):822-824. Dec.1965. 511 M663D
- 36000 KURBATOV, A. I., and ALESHIN, S. N. Application of visible and infrared ray spectroscopy in study of humus compounds in some soil of steppe. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:11-16. 1965. 20 M857
- 36001 LE ROUX, F. H. Alkali-ion sorption and exchange by soils and their size and mineral separates. Diss. Abs. 26(6):2961. Dec.1965. 241.8 M58
- 36002 LUKASHEV, K. I., and PETUKHOVA, N. N. Soil-biogeochemical provinces of Belorussian Polesye. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(7):468-472, map. Ref. July 1965. 511 M663D
Content of minor elements in soils.
- 36003 MANIL, G. Problems of acidity in Belgian soils. (Fr) Agro-Serv. 6:148-151. Nov./Dec. 1965. 385 Ag86
- 36004 MATSUO, H. On specialities in properties of rice soils with special reference to changes of chemical components in soils. Kyushu Agr. Exp. Sta. Bull. 11(1):31-96, map. Ref. July 1965. 107.6 K996B
- 36005 MAUL, F. A quick method to analyse the mineral part of the soils. (Hu) Agrokem. Talajtan 14(3/4):235-248. Dec.1965. 385 Ag83
English summary.
- 36006 MCLACHLAN, K. D. The nature of available phosphorus in some acid pasture soils and a comparison of estimating procedures. Australian J. Exp. Agr. Anim. Husb. 5(17):125-132. Ref. May 1965. 23 Au792
- 36007 MUSIEROWICZ, A. Some microelements in soils. 24 p. Ref. (OTS 61-31323)
Transl. 14316
Translation from Roczniki Gleboznawcze 9: 3-25. 1960.
- 36008 NEMODRUK, A. A. Analytical chemistry of boron. 236 p. (Series: Analytical Chemistry of Elements) QD181.B1N43
Includes determination in soils.
Translation of Analiticheskaya khimiya bora.
- 36009 PARFENOVA, N. I. Diffusion processes in moraine sandy and clay loams in contact with salts. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(7):473-576. July 1965. 511 M663D
- 36010 PETERBURGSKII, A. V., and KORCHAGINA, YU. I. Fixation of ammonium in heated soil and its accessibility to plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:119-122. 1965. 20 M857
Prosos used in experiment.
- 36011 PETERSON, L. A., and ATTOE, O. J. Importance of soil nitrates in determination of need and recovery of fertilizer nitrogen. Agron. J. 57(6):572-574. Ref. Nov./Dec.1965. 4 Am34P
- 36012 PETKOV, I. A. Chemical and mineral composition of mechanical fractions of deep leached Chernozems of the Central-Chernozem reserve. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:62-75. Ref. Nov./Dec.1965. 442.9 M854
- 36013 PHILLIPS, R. E., and BROWN, D. A. Ion diffusion. III. The effect of soil compaction on self diffusion of rubidium-86 and strontium-89. Soil Sci. Soc. Amer. Proc. 29(6):657-661. Nov./Dec.1965. 56.9 So3
- 36014 PIKIEV, G. A. Effect of nitrates on carbon in Chernozem soils after application of nitrogen fertilizers. (Rus) Khim. Sel'skom Khoz. 3(8): 9-12. Aug.1965. 385 K524
- 36015 RAYKOV, L. Content in available phosphates of certain Bulgarian soils determined with the aid of radioactive phosphorus (p³²). (Fr) Ghent. Landbouwhoges. Mededel. 30(2):1113-1123. Ref. 1965. 105.1 G344
- 36016 RYTI, R. On the determination of soil pH. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(1):51-60. Ref. 1965. 20 Su7M
- 36017 SHAFIRYAN, E. M., and ALESHIN, S. N. Electrokinetic properties of humus compounds in soddy Podzol soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:17-19. 1965. 20 M857
- 36018 SHIGA, H., and SUZUKI, S. Studies on the behavior of hydrogen sulfide in water-logged soils. 7. Interrelationships among activation of iron, reduction of sulfate, and production of free hydrogen sulfide in soils. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:103-112. Dec.1964. 107.6 H572H
English summary.
- 36019 SHNEOUR, E. A. Oxidation of graphitic carbon in certain soils. Science 151(3713):991-992. Ref. Feb.25,1966. 470 Sci2
- 36020 SILVA, S., and FONTANA, P. Influence of electrolytes on the displacement of strontium 90 in the soil. (It) Agrochimica 9(4):351-360. Sept. 1965. 385 Ag84
English summary.
- 36021 SIMPSON, E. C., and BARROWS, H. L. An evaluation of imipramine hydrochloride as a reagent for the quantitative determination of nitrate in plant material and soil extracts. Soil Sci. Soc. Amer. Proc. 29(6):759-760. Nov./Dec.1965. 56.9 So3
- 36022 STEVENSON, F. J. Origin and distribution of nitrogen in soil. Amer. Soc. Agron. Agron. 10: 1-42. Ref., p.36-42. 1964. 4 Am392
Literature review.
- 36023 SUBRAMONY, N. Lime and phosphate deposits in Laccadive Islands. Cur. Sci. 34(22):646-647. Nov.20,1965. 475 Sci23
Soil analysis for phosphoric acid and calcium carbonate content.
- 36024 SZABOLCS, I., and DARAB, K. Chemical properties of Solonetz soils as affected by alfalfa production with irrigation. (Hu) Agrokem. Talajtan 14(3/4):191-202. Ref. Dec.1965. 385 Ag83
English summary.
- 36025 TEDROW, J. C. F. Properties of sand and silt fractions in New Jersey soils. Soil Sci. 101(1): 24-30, map. Ref. Jan.1966. 56.8 So3
- 36026 TERTERYAN, K. Isotopic dilution technique in determination of mobile phosphorus in soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:479-482. 1965. 20 M857

- 36027 THOMPSON, S. O. Comparative properties of plant lignins and soil humic materials. Diss. Abs. 26(7):3563. Jan.1966. 241.8 M58 Chemistry.
- 36028 TOMBESI, L. Fertilita chimica e assimilabilita degli elementi nutritivi con particolare riferimento al fosforo [Chemical fertility and assimilability of nutritional elements with particular reference to phosphorus]. Rome, Staz. Chim.-Agr. Sperim. Ann. Ser. III, Pubbl. 231, 28 p. Ref., p.20-28. 1964. 105.4 R66 English summary.
- 36029 TOTH, S. J. Manganese availability in soils of varying glauconite content. Soil Sci. 101(1):31-38. Jan.1966. 56.8 So3
- 36030 ULZIKHUTAG, B. Humus composition in Chestnut soils of Khara District in Mongolia. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva, Dokl. 103:41-45. Ref. 1965. 20 M857
- 36031 VADYUNINA, A. F., and KORCHAGINA, Z. A. Production of carbon dioxide by soils of semi-deserts. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:72-78. Sept./Oct.1965. 442.9 M854
- 36032 VASIL'EVSKAYA, V. D. Nickel and copper content of soils of the Smolensk Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:51-61, map. Ref. Nov./Dec.1965. 442.9 M854
- 36033 VIGERUST, E., and RONSEN, K. Soil investigations in long-term fertilizer experiments at the State Experiment Station Moystad. (No) Forsk. Forsok Landbruget 16(5):339-365, map. Ref. 1965. 11 F772 English summary. Chemical analysis.
- 36034 WATANABE, F. S., and OLSEN, S. R. Test of an ascorbic acid method for determining phosphorus in water and NaHCO_3 extracts from soil. Soil Sci. Soc. Amer. Proc. 29(6):677-678. Nov./Dec.1965. 56.9 So3
- 36035 WEBER, J. B., PERRY, P. W., and UP-CHURCH, R. P. The influence of temperature and time on the adsorption of paraquat, diquat, 2,4-D and prometon by clays, charcoal, and anion-exchange resin. Soil Sci. Soc. Amer. Proc. 29(6):678-688. Ref. Nov./Dec.1965. 56.9 So3
- 36036 WILDUNG, R. E., CHESTERS, G., and THOMPSON, S. O. Cation-exchange capacity of plant lignins and soil humic colloids as affected by pH and hydrolysis error. Soil Sci. Soc. Amer. Proc. 29(6):688-692. Ref. Nov./Dec.1965. 56.9 So3
- 36037 WORSHAM, A. D. Pesticide residues in soils. U. S. Forest Serv. Reg. 8, Forest Nursery-men's Conf. Proc. 1964:10-22. Ref. A99.9 F7693P
- 36038 YAKUSHEV, B. I. Peculiarities of determination of cation-exchange capacity of soils by the G. Kappen's method. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(9):618-620. Sept.1965. 511 M663D
- 36039 ZIEMER, P. L., and CHRISTIAN, J. E. Determination of the gross gamma radioactivity of Indiana soil by large volume liquid scintillation counting. Ind. Acad. Sci. Proc. 74:339-342. 1964, pub.1965. 500 In2
- 36040 ZMYSTOWSKA, S., and WILGAIN, S. Studies on natural radioactivity of soils: distribution of alpha radiation in some soil profiles. (Fr) Nukleonika [Engl. Transl.] 6(1/12):877-892. 1961, pub.1964. 334.8 N91Ae
- 36043 AMBROZ, Z. On the effect of culture media on the production of proteases by soil microbes. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(10):1081-1087. 64.9 C33 English summary.
- 36044 BASARABA, J., and STARKEY, R. L. Effect of plant tannins on decomposition of organic substances. Soil Sci. 101(1):17-23. Ref. Jan. 1966. 56.8 So3
- 36045 BROCKWELL, J. The presence of Rhizobium meliloti on pods of Medicago tribuloides. Australian J. Exp. Agr. Anim. Husb. 5(17):141-143. Ref. May 1965. 23 Au792 Nodule bacteria in soil.
- 36046 CARINI, S. The influence of Festuca rubra on Azotobacter. (It) Ann. Microbiol. Enzimol. 14(1/3):37-46. Ref. 1964. 448.3 An73 English summary.
- 36047 CHRISTENSEN, M., and WHITTINGHAM, W. F. The soil microfungi of open bogs and conifer swamps in Wisconsin. Mycologia 57(6):882-896. Ref. Nov./Dec.1965. 450 M99
- 36048 CLYMO, R. S. Experiments on breakdown of Sphagnum in two bogs. J. Ecol. 53(3):747-758. Ref. Nov.1965. 450 J829
- 36049 CRAVERI, R., MANACHINI, P. L., and CRAVERI, A. Thermophilic fungi present in soils. (It) Ann. Microbiol. Enzimol. 14(1/3):13-26. Ref. 1964. 448.3 An73 English summary.
- 36050 CULLIMORE, D. R. Studies on the algal bio-assay of soil potassium using Tchan's methods. Plant Soil 23(1):34-42. Ref. Aug.1965. 450 P696
- 36051 DATE, R. A. Report to the Government of Uruguay on legume inoculation and legume inoculant production. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2012,33 p. illus. 1965. 281.9 F733E
- 36052 DELWICHE, C. C., ZINKE, P. J., and JOHNSON, C. M. Nitrogen fixation by Ceanothus. Plant Physiol. 40(6):1045-1047. Nov.1965. 450 P692
- 36053 DENISKINA, G. P., and others. Effects of hexachlorobutadiene and polychlorobutane on cultures of some soil bacteria. (Rus) Khim. Sel'skom Khoz. 4(2):28-30. Feb.1966. 385 K524 E. G. Drui, V. S. Khokhryakova, and L. M. Kogan, joint authors.
- 36054 EREN, J., and PRAMER, D. Application of immunofluorescent staining to studies of the ecology of soil microorganisms. Soil Sci. 101(1):39-45. Ref. Jan.1966. 56.8 So3
- 36055 GOOL, A. VAN, and LAUDELOUT, H. The mechanism of nitrite oxidation by Nitrobacter winogradskyi. Biochim. Biophys. Acta 113(1):41-50. Ref. Jan.11,1966. 381 B522
- 36056 GREAVES, M. P., and WEBLEY, D. M. A study of the breakdown of organic phosphates by micro-organisms from the root region of certain pasture grasses. J. Appl. Bact. 28(3):454-465. Ref. Dec.1965. 448.39 So12
- 36057 GRIFFITHS, E., and JONES, D. Microbiological aspects of soil structure. I. Relationships between organic amendments, microbial colonization, and changes in aggregate stability. Plant Soil 23(1):17-33. Ref. Aug.1965. 450 P696
- 36058 GULYAKIN, I. V., GUKOVA, M. M., and MORUGINA, M. P. Role of potassium in fixation of nitrogen by legumes. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:141-145. 1965. 20 M857
- 36059 HAYES, A. J. Biology of forest soils: mycology of Scots pine litter. Great Brit. Forest. Comm. Rep. Forest Res. 1964:102-110. 1965. 99.9 G795Re
- 36060 HEATH, G. W. Biology of forest soils: earthworms. Great Brit. Forest. Comm. Rep. Forest Res. 1964:96-100. 1965. 99.9 G795Re

Soil Biology

- 36041 AKSEL, M. Seasonal quantitative changes in soil fungi. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 3:366-376. 1965. 442.9 Ak18 English summary.
- 36042 ALESHIN, S. N., and SHAFIRYAN, E. M. Optical properties of humus compounds in soddy Podzol soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:21-26. 1965. 20 M857

- 36061 HEINZE, H. The biological dynamic principle. III. (Ge) *Lebendige Erde* 4:151-154. July/Aug. 1965. 18 L49
- 36062 KAUFMAN, D. D. An inexpensive, positive pressure, soil perfusion system. *Weeds* 14(1): 90-91. Jan. 1966. 79.8 W41
For the study of microbial decomposition of pesticides.
- 36063 MANIL, P., and BRAKEL, J. Azotobacter and rhizosphere; apropos some tests completed in Belgium. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4):1025-1027. 1965. 442.9 P21
Soil inoculation of plants including red clover.
- 36064 MAYLAND, H. F., and MCINTOSH, T. H. Availability of biologically fixed atmospheric nitrogen-15 to higher plants. *Nature [London]* 209(5021):421-422. Jan. 22, 1966. 472 N21
The role of soil algae in nitrogen fixation.
- 36065 MCCORMICK, L. L., and HILTBOLD, A. E. Microbiological decomposition of atrazine and diuron in soil. *Weeds* 14(1):77-82. Ref. Jan. 1966. 79.8 W41
- 36066 MEKHTIEVA, N. A., and MARTIROSOVA, T. A. Some data on distribution of microorganisms in soils of Azerbaijan according to vertical zoning. (Rus) *Akad. Nauk Azerb. SSR. Dokl.* 21 (8):55-61. 1965. 511 Ak147D
- 36067 METZNER, J. What does soil analysis tell after 19 years of biological dynamic management? (Ge) *Lebendige Erde* 4:166-169. July/Aug. 1965. 18 L49
- 36068 NEPOMILUEV, V. F., and KUZUYAKINA, T. I. Effects of herbicides on microbiological processes in soddy Podzol soils with corn crops. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:225-230. 1965. 20 M857
Simazine.
- 36069 NEPOMILUEV, V. F., and KUZUYAKINA, T. I. Microbiological processes in peaty Gley soils under different methods of irrigation. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:349-356. 1965. 20 M857
- 36070 NOVOGRUDSKAYA, E. D., ISAEVA, L. I., and PERVUSHINA, L. V. The effect of herbicides on the microorganisms in soil. (Rus) *Agrobiologiya* 4:577-582. Ref. Aug. 1965. 20 Ag822
- 36071 NOWAK, W., and NETZSCH-LEHNER, A. Experiment for the reisolation of nodule bacteria (*Rhizobium* sp.) from the soil. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss.* 119(6):570-578. Ref. Oct. 1965. 448.3 C33
English summary.
In clover soils.
- 36072 PANK, C. J. Artificial fertilizers and biological dynamic farming. (Ge) *Lebendige Erde* 4:142-147. July/Aug. 1965. 18 L49
- 36073 POKORNA-KOZOVA, J. Azotobacter in various conditions of organic and mineral fertilizers application. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(9):985-992. Ref. Sept. 1965. 64.9 C33
English summary.
- 36074 POKORNA-KOZOVA, J. A contribution to the determination of cellulose decomposition. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(10):1089-1100. Ref. Oct. 1965. 64.9 C33
English summary.
By soil cellulolytic bacteria.
- 36075 SAKI, H., and others. Studies on nitrification in soils. 12. On the estimation of the effective duration of nitrification inhibiting chemicals applied in soils. (Ja) *Himeji. Chugoku Agr. Exp. Sta. Bull. A*, 10:85-92. Ref. Dec. 1964. 107.6 H572H
H. Nishi, Y. Komoto, and N. Oyama, joint authors.
English summary.
- 36076 SMIRNOVA, V. I., and TRET'YAKOV, N. N. Effects of herbicides on microorganisms of corn rhizosphere and the biological activities of soil. (Rus) *Khim. Sel'skhoz. Khoz.* 1:52-56. Jan. 1965. 385 K524
- 36077 TSAREVA, R. I., and TEREENT'EV, V. M. Some physiologically active substances of peat soils. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(8):544-546. Ref. Aug. 1965. 511 M663D
- 36078 TYAGNY-RYADNO, M. G., and MOCHALOV, YU. M. The effect of organic and bacterial fertilizers on the microorganisms of soil and the yields of corn. (Rus) *Agrobiologiya* 4:594-597. Aug. 1965. 20 Ag822
- 36079 VOIGT, G. K. Nitrogen recovery from decomposing tree leaf tissue and forest humus. *Soil Sci. Soc. Amer. Proc.* 29(6):756-759. Ref. Nov./Dec. 1965. 56.9 So3
- 36080 WAGENBRETH, D. The transformability of nodule bacteria. (Ge) *Arch. Mikrobiol.* 52(2): 154-168. Ref. Oct. 14, 1965. 442.8 Ar26
English summary.
Rhizobium meliloti, *R. trifolii*, and *R. leguminosarum*.
- 36081 WOLLUM, A. G. Symbiotic nitrogen fixation by *Ceanothus* species. *Diss. Abs.* 26(6):2957. Dec. 1965. 241.8 M58
Streptomyces sp.

Soil-Plant-Animal Relationships

- 36082 WEBB, J. S., and ATKINSON, W. J. Regional geochemical reconnaissance applied to some agricultural problems in Co. Limerick, Eire. *Nature [London]* 208(5015):1056-1059, map. Ref. Dec. 11, 1965. 472 N21
Soil plant animal relations.

Soil Genesis, Formation, Classification, and Mapping

- 36083 AANDAHL, A. R., and HEERWAGEN, A. Parallelism in the development of soil survey and range site concepts. *Amer. Soc. Agron. ASA. Spec. Publ.* 5:137-146. Ref. Oct. 1964. 64.9 Am3
- 36084 ANTONOVIC, G. Soil cover of Tara and Zvijezda mountains. (Se) *Arh. Poljoprivredne Nauk.* 18(60):55-66. Ref. 1965. 21.5 Y9
English summary.
Chiefly types.
- 36085 ARNOLD, R. W. Multiple working hypothesis in soil genesis. *Soil Sci. Soc. Amer. Proc.* 29 (6):717-724. Ref. Nov./Dec. 1965. 56.9 So3
- 36086 BARRATT, B. C. Micro-morphology of some Yellow-Brown earths and Podzols of New Zealand. *New Zeal. J. Agr. Res.* 8(4):997-1042. Ref. Nov. 1965. 23 N4892
- 36087 BOTTINI, O. Research on Italian "red earths." (It) *Agrochimica* 9(4):297-312. Sept. 1965. 385 Ag84
English summary.
- 36088 FRANZMEIER, D. P., HAJEK, B. F., and SIMONSON, C. H. Use of amorphous material to identify spodic horizons. *Soil Sci. Soc. Amer. Proc.* 29(6):737-743. Ref. Nov./Dec. 1965. 56.9 So3
Of New York Podzols.
- 36089 FREI, E., and JUHASZ, P. Geographic distribution and use of the Brown Earth and Gley soils in the municipality of Huntwangen ZH. (Ge) *Schweiz. Landwirt. Forsch.* 4(3):215-250, map. Ref. 1965. 17 Sch99
English summary.
Soil maps.
- 36090 GAIKAWAD, S. T., and HOLE, F. D. Characteristics and genesis of a gravelly brunizemic regosol. *Soil Sci. Soc. Amer. Proc.* 29(6):725-728. Ref. Nov./Dec. 1965. 56.9 So3
Wisconsin.
- 36091 GARKUSHA, I. F. Evolution of peat soils of the lowland type under effects of cultivation. (Rus) *Akad. Nauk Belorussk. SSR. Dokl.* 9(12):842-845. Ref. Dec. 1965. 511 M663D
Chiefly effect on properties.

- 36092 GARKUSHA, I. F. Evolution of soddy-podzolic soils under cultivation. (Rus) Akad. Nauk Belorussk. SSR, Dokl. 9(10):686-689. Oct. 1965. 511 M663D
- 36093 GUERNSEY, C. W. Characteristics and formation plinthite on Maui Island, Hawaii. Ind. Acad. Sci. Proc. 74:335-338. 1964, pub. 1965. 500 In2
- 36094 HARGITAI, L. Uniform characterization of the humus-quality of different soil types from the soil-genetical point of view. (Hu) Kiserletugyi Kozlemenyek 57/A(3):115-125. Ref. 1964, pub. 1965. 105.9 H89
English summary.
- 36095 HAWKINS, R. H., and KUNZE, G. W. Phosphate fractions in some Texas Grumusols and their relation to soil weathering and available phosphorus. Soils Sci. Soc. Amer. Proc. 29(6): 650-656, map. Ref. Nov./Dec. 1965. 56.9 So3
- 36096 HOUNG, K. H. A study on the soils containing amorphous materials in the Island of Hawaii. Diss. Abs. 26(6):2968. Dec. 1965. 241.8 M58
Classification and properties.
- 36097 HUGIE, V. K., PASSEY, H. B., and WILLIAMS, E. W. Soil taxonomic units and potential plant community relationships in a pristine range area of southern Idaho. Amer. Soc. Agron. ASA. Spec. Publ. 5:190-205. Ref. Oct. 1964. 64.9 Am3
- 36098 KANNO, I., and others. Genesis and characteristics of genetic soil types in the Matsuyama area, Shikoku. 2-3. Kyushu Agr. Exp. Sta. Bull. 11(1):13-30. Ref. July 1965. 107.6 K996B
Y. Honjo, S. Arimura, S. Tokudome, and Y. Onikura, joint authors.
- 36099 KHYLYSTOVSKII, A. D. Problem of compiling and usage of agrochemical maps on soddy Podzol soils. (Rus) Khim. Sel'skom Khoz. 1:14-21, map. Jan. 1965. 385 K524
- 36100 KNOX, E. G., CORLISS, J. F., and WILLIAMS, J. M. Dark colored, acid, forest soils of Western Oregon. Soil Sci. Soc. Amer. Proc. 29(6):732-736. Ref. Nov./Dec. 1965. 56.9 So3
Classification.
- 36101 LISS, O. L. Peculiarities of peat accumulation in marshes of drainless basins of the Klin-Dmitrov Ridge. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:21-28. Mar./Apr. 1965. 442.9 M854
- 36102 MATHEWS, H. L., PRESCOTT, G. W., and OBENSHAIN, S. S. The genesis of certain calcareous floodplain soils of Virginia. Soil Sci. Soc. Amer. Proc. 29(6):729-732, map. Ref. Nov./Dec. 1965. 56.9 So3
- 36103 MAYAUDON, J., and SIMONART, P. The humus formation in the soil of a ¹⁴C polysaccharide complex of microbial origin. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):941-955. Ref. 1965. 105.1 G344
- 36104 MIRIMANYAN, K. H. P. Short description on the development of Armenian soils. (Hu) Agrochem. Talajtan 14(3/4):305-310, map. Dec. 1965. 385 Ag83
- 36105 PATON, T. R. The valley fills of south-eastern Queensland. Austral. J. Sci. 28(3):129-131. Sept. 1965. 475 Au72
Soil formation and structure.
- 36106 PECSI, M. The Hungarian slope loesses and their development. (Hu) Agrochem. Talajtan 14(3/4):279-294. Ref. Dec. 1965. 385 Ag83
English summary.
- 36107 PERSHINA, M. N., and YAKOVLEVA, M. E. Brief classification and diagnostics of cultivated soddy Podzol soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:77-92. 1965. 20 M857
- 36108 PERSHINA, M. N., and KHOSTANTSEV, A. G. Effects of soil change into steppe type on formation of soils in Terek-Kuma Basin. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:69-75. 1965. 20 M857
- 36109 PROTZ, R. Magnesium and stage of development of loess-derived soils of Iowa. Diss. Abs. 26(6):2944. Dec. 1965. 241.8 M58
- 36110 RAMAN, K. V. Mica weathering to vermiculite: surface morphological and ionic changes. Diss. Abs. 26(7):3562. Jan. 1966. 241.8 M58
- 36111 RETZER, J. L., and DORAN, C. W. Soil surveys in range management planning. Amer. Soc. Agron. ASA. Spec. Publ. 5:147-157, map. Oct. 1964. 64.9 Am3
Includes discussion.
- 36112 ROBBINS, J. M. Soil associations of Perry County. Ind. Acad. Sci. Proc. 74:328-334, map. 1964, pub. 1965. 500 In2
- 36113 ROCHA, M. P. DA, and OLIVEIRA, A. DA F. L. DE. Estudo agrologico da herdade da Abobada [Agrological study of the lands of Abobada]. Port. Junta Colon. Intern. Estud. Tec. 4, 96 p., map. Oct. 1965. 281.9 P835
Soil types and maps.
- 36114 SALLEE, K. H., and HAMILTON, V. L. Soil survey of Scott County, Kansas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(33):66 p., map. Ref. Dec. 1965. 1 So32F
Kansas Agricultural Experiment Station, co-operating.
- 36115 SARKAR, P. K. Numerical taxonomy of soils. Diss. Abs. 26(6):2946. Dec. 1965. 241.8 M58
- 36116 SMALL, R. J. The role of spring sapping in the formation of chalk escarpment valleys. Southampton. [Engl.] Univ. Dep. Geogr. Southampton Res. Ser. Geogr. 1:3-29. Ref. Mar. 1965. 331.9 So82
- 36117 SUSHKINA, N. N. Microorganisms and their role in soil forming processes. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:72-75. May/June 1965. 442.9 M854
- 36118 SZUCS, L. Differentiated elaboration and application of the classification of the Chernozems with a carbonate coating. (Hu) Agrochem. Talajtan 14(3/4):153-170. Dec. 1965. 385 Ag83
English summary.
- 36119 TIDBALL, R. R. A study of soil development on dated pumice deposits from Mount Mazama, Oregon. Diss. Abs. 26(7):3872-3873. Jan. 1966. 241.8 M58
- 36120 TOLCHEL'NIKOV, YU. S. Aerial methods in mapping of agricultural resources. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 10:28-30. Oct. 1965. 20 V633
English summary.
Chiefly soil mapping.
- 36121 TONNARD, V. Stratigraphic significance of the morphometry of sand. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):146-157, map. 1965. 105.1 G285
- 36122 TYURINA-ZEINALASHVILI, R. N. Biological cycle of ash and nitrogen elements in the zone of dry steppes and semi-deserts. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:76-81. Ref. Nov./Dec. 1965. 442.9 M854
In relation to soil genesis.
- 36123 WALKER, P. H. Soil and geomorphic history in selected areas of the Cary till, Iowa. Diss. Abs. 26(6):2947-2948. Dec. 1965. 241.8 M58
- 36124 WEYL, R. Erdgeschichte und Landschaftsbild in Mittelamerika [Geology and topography of Central America]. Senckenb. Naturforsch. Ges. Senckenb.-Buch 44, 175 p., map. Ref. 1965. 410.9 Se52S
Includes soil genesis.
- 36125 WILDING, L. P., JONES, R. B., and SCHAFER, G. M. Variation of soil morphological properties within Miami, Celina, and Crosby mapping units in west-central Ohio. Soil Sci. Soc. Amer. Proc. 29(6):711-717, map. Ref. Nov./Dec. 1965. 56.9 So3
- 36126 WILHELM, F. Examples for soil development and nutrient supply. (Ge) Lebendige Erde 4: 147-150. July/Aug. 1965. 18 L49
Genesis.
- 36127 WILLIAMS, E. W., and HUGIE, V. K. Range soil studies; SCS team gathers data on sites to help interpret surveys. Soil Conserv. 31(7): 147-149. Feb. 1966. 1.6 So3S

- 36128 WOLFANGER, L. A. The great soil groups and their utilization. In Smith, G. H., ed. Conservation of natural resources, ed.3,p.45-78,map. Ref. 1965. HC103.7.S56

SOIL MANAGEMENT

- 36129 BEATTY, R. A. The inert becomes "ert"; a new approach for reconstructing California's old gold fields. Landscape Architect. 56(2): 125-128. Jan.1966. 80 L23
- 36130 CHESSON, M. W. Second careers for Florida's phosphate fields. Landscape Architect. 56(2): 129-131. Jan.1966. 80 L23
Reclamation for agricultural use.
- 36131 KOHNLEIN, J. On the possibility of influencing the fertility factor humus in agricultural soils. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:47-68. Ref. 1964. 27 H652
Soil management.
- 36132 LIANG, H. F. The establishment of stable high-yield farmland in China. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 11:20-31. Feb.10,1965. (JPRS 28,701) 173 J663Trf
Chiefly soil management.
Translation from Ching-chi Yen-chiu 11:13-20. Nov.20,1964.
- 36133 MORRIS, J. Y. Climate investigations in the Craigieburn Range, New Zealand. New Zeal. J. Sci. 8(4):556-582,map. Ref. Dec.1965. 514 N482
In relation to watershed management.
- 36134 PATRICK, R. Use without abuse: protecting our water resources. Frontiers 29(5):133-137. June 1965. 410 F92
Includes water pollution control.
- 36135 PETTERSSON, B. D. Biodynamic culture—an alternative? (Sw) Hushallningssallsk. Tidskr. 32(5):119,121. 1965. 11 H9522
- 36136 SAWYER, L. E. The strippers; experiments by coal operators in rehabilitation. Landscape Architect. 56(2):132-135. Jan.1966. 80 L23
In Indiana.
- 36137 ZUBE, E. A new technology for taconite badlands. Landscape Architect. 56(2):136-140. Jan.1966. 80 L23
Reclamation of land for landscaping and community planning; in Wisconsin.

Soil Fertility

- 36138 AFENDULOV, K. P., BORODIN, A. K., and PEREPCHAI, V. E. Effectiveness of hill and row methods in application of fertilizers on corn. (Rus) Khim. Sel'skom Khoz. 4(2):69-71. Feb.1966. 385 K524
- 36139 AKOPYAN, E. A., and NAZARYAN, S. E. The effect of organic and mineral fertilizers on the development of grapes. (Rus) Agrobiologiya 4: 583-586. Aug.1965. 20 Ag822
Yields.
- 36140 AMIR, J., LACHOVER, S., and GOLDIN, E. Difficulties in determining the nitrogen fertilizer requirement of peanuts by foliar diagnosis. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 445,14 p. Apr.1964. 107 R26
English summary.
- 36141 AMOR ASUNCION, M. J., and others. Effects of manure on the soil. I. Influence on the soluble phosphorus content. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):3-10. Ref. 1963,pub.1965. 9 B863
R. Wolanski, R. Ghelfi, J. J. Olivieri, and F. J. B. Nobile, joint authors.
English summary.
- 36142 ARAMBARRI, P. DE, and MADRID, L. The phosphorus potential fertility of soils. Ghent. Landbouwhoges. Mededel. 30(2):1185-1191. 1965. 105.1 G344

- 36143 ARANY, S. Application possibilities of marl in the comitat Hajdu-Bihar. (Hu) Agrochem. Talajtan 14(3/4):295-304,map. Dec.1965. 385 Ag83
- 36144 ASAROV, KH. K. Application of lime and phosphor fertilizers in growing of legumes. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:185-189. 1965. 20 M857
- 36145 ASAROV, KH. K., and EKIMENKO, N. N. Effect of different dosage of lime and phosphate rock on European yellow lupine. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:205-212. Ref. 1965. 20 M857
- 36146 ASLANYAN, V. E. Effect of fertilizers applied at the time of planting of wheat on its yields in different zones of Armenia. (Rus) Khim. Sel'skom Khoz. 6:2-4. June 1965. 385 K524
- 36147 AVRAM, P., and COICEV, A. The effect of mineral fertilizers applied to sugar beets under the Transylvanian Plain conditions. (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:201-211. 1963,pub.1965. 64.9 R86
English summary.
- 36148 AVRAM, P., and POP, E. The effect of mineral fertilizers on the yield and quality of winter wheat grown on eroded soils in the Transylvanian Plain. (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:77-85. Ref. 1963,pub.1965. 64.9 R86
English summary.
- 36149 BACHMANN, L., and SHCNEIDER, H. Research on componental performance of the anisoploid sugar beet variety Multmedia. (Ge) Z. Landwirt. Versuchs- Untersuchwesen 10(6):493-501. 1964. 18 Z32
English summary.
Nitrogen fertilizing tests.
- 36150 BAERUG, R. Effect of nitrogen and potassium fertilizers on yield of early potatoes. (No) Forsk. Forsok Landbruken 16(4):277-290. 1965. 11 F772
English summary.
- 36151 BAGDASARASHVILI, Z. G. Fertilization of grape vineyards in Georgian SSR. (Rus) Khim. Sel'skom Khoz. 3(8):2-8. Ref. Aug. 1965. 385 K524
- 36152 BARANOV, P. A. Liquid mineral fertilizers. (Rus) Khim. Sel'skom Khoz. 3(10):2-6. Oct. 1965. 385 K524
Nitrogen fertilizers for field crops.
- 36153 BARBIER, S. Research on two soils with low fertility. (Ge) Bodenkultur 16(1/2):25-40. Ref. Feb./May 1965. 19 B635
English summary.
- 36154 BAROCCIO, A., MANZO, P., and FIDEGHEL-LI, C. Essais de fertilisation du pecher dans la Campagne de Rome [Peach fertilizer trials in the Roman Campagna]. Rome Staz. Chim.-Agr. Sperim. Ann. Ser. III, Pubbl. 224,7 p. 1964. 105.4 R66
English summary.
- 36155 BARROW, N. J. Further investigations of the use of lime on established pastures. Australian J. Exp. Agr. Anim. Husb. 5(19):442-449. Ref. Nov.1965. 23 Au792
- 36156 BASHINSKAYA, L. V. Broadbeans growing on soddy-podzolic soils. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:59-66. Nov./Dec.1964. 442.9 M854
Soil fertility in relation to yields.
- 36157 BASKACHENKO, I. N., and VRUBLEVSKII, M. I. Application of underground mineralized waters as fertilizer in the zone of abundant moisture of USSR. (Rus) Leningr. Univ. Vestnik Ser. Geol. Geogr. 4:72-77. 1965. 403 L54
English summary.
For field crops.
- 36158 BASTELAERE, H. VAN. Liquid fertilizing of tomatoes and salad plants. (Fl) Land- Tuinbouw Jaarboek 20:341-343. 1965. 13 L22

- 36159 BAUER, F. Fertilizer dosage- and ratio experiments performed with maize on a sand-sheet soil between the Danube and Tisza. (Hu) Kiserletugyi Kozlemenyei 57/A(3):3-25. Ref. 1964, pub. 1965. 105.9 H89
English summary.
Mineral fertilizers.
- 36160 BESTVATER, C. R. El manejo del suelo entre los frutales [Soil management between fruit trees]. Alto Valle, Estac. Exp. Agropecuar. Bol. Divulgacion Tec. 15, 8 p. Aug. 1965. 102.5 AL7
Permanent green covering.
- 36161 BESTVATER, C. R. NPK, ensayos simples de fertilizacion en frutales [NPK, simple trials in fruit fertilization]. Alto Valle, Estac. Exp. Agropecuar. Bol. Divulgacion Tec. 14, 15 p. Aug. 1965. 102.5 AL7
- 36162 BOEREMA, E. B. Sod-seeding of rice in New South Wales. Australian J. Exp. Agr. Anim. Husb. 5(19):475-478. Nov. 1965. 23 Au792
- 36163 BOERIU, I. Results obtained from the application of complex fertilizers to wheat on a Brown Podzol soil. (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:59-64. 1963, pub. 1965. 64.9 R86
English summary.
- 36164 BOYARCHUK, I. F. Safety measures in application of mineral fertilizers. (Rus) Khim. Sel'skom Khoz. 1:29-30. Jan. 1965. 385 K524
- 36165 BRAUD, M. Sulfur in the mineral fertilization of the cotton plant. (Fr) Agrochimica 9(3):211-223. June 1965. 385 Ag84
English summary.
Africa.
- 36166 CHENERY, E. M. An appraisal of tea research in Ceylon. Ceylon. Tea Res. Inst. Tea Quart. 36(3):85-87. Sept. 1965. 68.18 C33
Fertilizers to increase yields, improving quality and reducing costs, through the Tea Research Institute of Ceylon.
- 36167 CHEREMISINOV, G. A. Basic methods for proper application of mineral fertilizers. (Rus) Khim. Sel'skom Khoz. 4:2-8. Ref. Apr. 1965. 385 K524
On field crops.
- 36168 CHERNUKHINA, L. Dosage and dates for application of fertilizers on tomatoes. (Rus) Kartoffel' Ovoshchi 1:25-26. Jan. 1966. 75.8 K147
- 36169 CHERNYSHEV, A. K. Safety measures in application of ammonia liquor fertilizers and their water solutions. (Rus) Khim. Sel'skom Khoz. 4:18-19. Ref. Apr. 1965. 385 K524
- 36170 CROFTS, F. C. The effect of nitrogen fertilizer on the seasonal production of an irrigated ryegrass [Lolium perenne]-clover [Trifolium repens] pasture at Badgery's Creek. Australian J. Exp. Agr. Anim. Husb. 5(19):417-422. Ref. Nov. 1965. 23 Au792
- 36171 DAMOUR, M. Problem of soil fertility Ankaratra region: Ambohimandroso (Tananarive Province—Madagascar). (Fr) Agron. Trop. [Paris] 20(9):862-887, map. Sept. 1965. 26 Ag86
English summary.
- 36172 DEERING, R. E. Narrow-row management. Farm Quart. 21(1):76-77, 114, 116, 119-120, 122. 1966. 6 F22995
Fertilizers, weed control, irrigation.
- 36173 DEL VALLE, C. G., HARMON, S. A., and WORLEY, R. E. Effects of fertilizer rates and moisture levels on turnip greens production. Ga. Agr. Res. 7(2):3-5. Fall 1965. 100 G295
Yields and content.
- 36174 DEV, G. Pot experiments to study the effect of nitrogen on the efficiency of fertilizer phosphorus. II. Agrochimica 9(3):242-248. June 1965. 385 Ag84
- 36175 DIAS, I. P. S. Effect of the use of lime and other soil amendments on amorphous and differentially crystallized subsoil of the Akaka series. Diss. Abs. 26(6):2967-2968. Dec. 1965. 241.8 M58
- 36176 DRAGAS, M., MILOSAVLJEVIC, M., and LOVIC, R. The effect of foliar application of fertilizers on the yields and quality of grapes. (Se) Arh. Poljoprivredne Nauk. 18(60):129-138. Ref. 1965. 21.5 Y9
German summary.
- 36177 ERIKSSON, B. Experiments with liquid manure for fall rape. (Sw) Svensk Frotidn. 34 (12):175-178. Dec. 15, 1965. 61.8 Sv2
- 36178 EWELL, R. Fertilizer and famine. Co-op Grain Quart. 23(3):8-16, map. Fall 1965. 280.28 C7898
Enriching soil for grain yields.
- 36179 FERRAGUTI, M. The pear in the South. 5. (It) G. Agr. 76(3):29. Jan. 16, 1966. 16 It1G
Fertilizing.
- 36180 FERRAGUTI, M. The pear in the South. 6. (It) G. Agr. 76(4):42. Jan. 23, 1966. 16 It1G
Fertilizing.
- 36181 FOGLINO, F. Fertilizer tests at the Rwerere Experimental Center (North Rwanda), 1958-59 and 1959-60. (It) Riv. Agr. Subtrop. Trop. 59 (4/6):115-122. Apr./June 1965. 26 Ag82
- 36182 GADET, R., and SOUBIES, L. Apparent and real balance (measure by ^{15}N) of the mineral nitrogen in fertilizers applied to soil. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):1241-1253. Ref. 1965. 105.1 G344
- 36183 GETMANOV, P. I. Effects of different dosage of potassium fertilizers on yielding and quality of hemp fibers grown on peat soils in Nerussa Basin. (Rus) Khim. Sel'skom Khoz. 6:8-11. June 1965. 385 K524
- 36184 GRABLE, A. R., WILLHITE, F. M., and MCCUITION, W. L. Hay production and nutrient uptake at high altitudes in Colorado with different grasses in conjunction with alsike clover or nitrogen fertilizer. Agron. J. 57(6):543-547. Ref. Nov./Dec. 1965. 4 Am34P
- 36185 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Nitrogenous fertilizer for farm crops. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 441, rev., 6 p. Oct. 1965. 10 G79La
- 36186 GRIGG, J. L. Prediction of plant response to fertilizers by means of soil tests. I. Correlation of yields of potatoes grown on recent and gley recent soils with results of various methods of assessing available soil phosphorus. New Zeal. J. Agr. Res. 8(4):893-904. Ref. Nov. 1965. 23 N4892
- 36187 GROMYKO, I. D., KUZ'MINA, K. I., and KISILEVA, T. S. Change of soil properties in soddy Podzol soils induced by cultivation and rotation of crops. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:61-67. 1965. 20 M857
- 36188 GROMYKO, I. D., and others. Problem of fertilizer application in virgin land. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:105-112. 1965. 20 M857
E. V. Kulakov, A. P. Mershin, and N. P. Panov, joint authors.
Chiefly on grain.
- 36189 GULYAKIN, I. V., GUKOVA, M. M., and MORUGINA, M. P. Comparative effects of mineral and organic fertilizers on yields and quality of broadbeans. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:191-195. Ref. 1965. 20 M857
- 36190 GULYAKIN, I. V., YUDIN, F. A., and SHKEL', S. E. Results from the study of fertilization systems in rotation of field crops. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:91-97. 1965. 20 M857
- 36191 HAGIN, J., and KOYUMDJISKY, H. Evaluation of potassium fertilizer requirements for peanuts. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 499, 15 p. July 1965. 107 R26
English summary.
- 36192 HAJDUKOVIC, M. On methods of the determination of available nutrients in soils for plant nutrition. (Se) Agrohemija 7/8:477-484. Ref. 1965. 385 Ag87

- 36193 EL-HAMDI, A., SALEH, M., and HAMDI, H. The effect of fertilizer levels on growth, yield and oil production of *Matricaria chamomilla*. *Lloydia* 28(3):245-251. Ref. Sept.1965. 442.8 L77
Nitrogen and potassium.
- 36194 HERA, C. Effects of different forms of nitrogen fertilizers on corn grown for grain and silage. (Rum) Bucharest. Inst. Cercet. Pentru Cereale Plante Teh. Anal. Ser. B, Agrochim. Agroteh. Pasuni Finete 31:131-142. Ref. 1963, pub.1965. 64.9 R86
English summary.
- 36195 HERNANDEZ, D. O., and ONTIVEROS HERNANDEZ, D. Use of legumes as green manures. (Sp) Bol. Azucar. Mex. 196:14-20. Oct.1965. 65.8 B63
For sugarcane.
- 36196 HERNES, O. Increasing rates and different application times of calcium nitrate to meadows. (No) Forsk. Forsok Landbruket 16(4): 241-250. 1965. 11 F772
English summary.
- 36197 HOMES, M. V., and SCHOOR, G. H. VAN. Elementary sulfur in balanced fertilizing. (Fr) *Agrochimica* 9(3):263-272. June 1965. 385 AG84
English summary.
- 36198 HUNGERBUHLER, K. Use and effects of Emsuron in grain culture. (Ge) *Grune* 93(51): 1823-1829. Dec.17,1965. 17 Sch9
Product of 98% urea and 2% CCC, for fertilizing and prevention of lodging in wheat.
- 36199 ILYIN, S. Content of nitrogen, phosphorus and potassium in root residues. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 11:52-55. Nov. 1965. 20 V633
English summary.
- 36200 ISHEVSKAYA, I. M. Effect of prolonged application of fertilizers on growth and development of corn. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:99-104. 1965. 20 M857
Yields.
- 36201 JADOUL, J. Nomenclature of difference limes and lime amendments—their agricultural value. (Fr) *Agro-Serv.* 6:152-153. Nov./Dec.1965. 385 Ag86
- 36202 JOHANSSON, O. Oil crops and fertilizing. (Sw) *Lantmannen* 76(15):6-7. July 24,1965. 11 L234
- 36203 JOHANSSON, O. Potato fertilizer trials 1964. (Sw) *Sveriges Potatisodlares Riksförbund. Potatis* 1965:57-62. 75.8 Sv2
- 36204 KELLOGG, C. E. Fertility and management of tropical soils. *Nat. Res. Council. Agr. Res. Inst. Proc., 14th Annu. Meeting:*135-149. 1965. 4 N2122
- 36205 KENNING, W. Effects of application of various doses of nitrogen. (Sp) *Indus. Azucar.* 71 (862):317-324. Sept.1965. 65.8 In22
Sugarcane; chiefly yields.
- 36206 KIRYUKHIN, V. P., and KRUPNOV, V. V. Foliar application of fertilizers on potatoes. (Rus) *Khim. Sel'skom Khoz.* 1:10-14. Ref. Jan.1965. 385 K524
- 36207 KISS, S., and SZIGETHY, L. Application and effectiveness of liquid and concentrated ammonia. (Hu) *Magyar Mezőgazdaság* 20(51):9-10. Dec.22,1965. 19 M27
Applied to corn, potato and sugar beets.
- 36208 KITAEV, S. Peat as greenhouse soil for vegetables. (Rus) *Kartofel' Ovoshchi* 12:12-15. Dec.1965. 75.8 K147
Cucumbers and tomatoes.
- 36209 KOROVKIN, M. A. Increasing effectiveness of the fertilizers in nonchernozem zone. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:153-157. 1965. 20 M857
On field crops.
- 36210 KOSMAT, H. Soil fertility under the rank patches of a meadow area. (Ge) *Bodenkultur* 16(1/2):95-108. Ref. Feb./May 1965. 19 B635
English summary.
- 36211 KREIL, W. Nitrogen fertilizing of grassland. (Ge) *WTF (Wiss.-Tech. Fortsch.) Feldwirtsch.* 6(5):203-204. May 1965. 18 W763
- 36212 KRETSCHMER, A. E. The effect of nitrogen fertilization of mature pangolagrass [*Digitaria decumbens*] just prior to utilization in the winter on yields, dry matter, and crude protein contents. *Agron. J.* 57(6):524-534. Nov./Dec. 1965. 4 Am34P
- 36213 LARSEN, E. Cover crops. (Da) *Erhvervs-frugtavlere* 32(7):284. July 1,1965. 80 Er3
For orchards.
- 36214 LARSEN, S., and SUTTON, C. D. Residual phosphate in a glasshouse soil. *J. Hort. Sci.* 41 (1):1-5. Ref. Jan.1966. 80 J825
- 36215 LAUGHLIN, W. M. Effect of fall and spring application of four rates of potassium on yield and composition of timothy [*Phleum pratense*] in Alaska. *Agron. J.* 57(6):555-558. Ref. Nov./Dec.1965. 4 Am34P
- 36216 LEMENI, C., and LEMENI, L. The effective application of fertilizers for *Gladiolus*. (Rum) *Gradina, Via Livada* 14(7):66-68. July 1965. 80 G75
- 36217 LEVERINGTON, K. C. Urea and ammonium sulphate as sources of nitrogen—a review of some experiments in Queensland. *Queensland Soc. Sugar Cane Technol. Proc., 31st Conf.:*99-103. 1964. 65.9 Q332
Includes effects on yields.
- 36218 LEVY, J. F. Fertilizers for orchards can be placed in relation to their real needs. (Fr) *Agriculture [Paris]* 28(282):307,309-310. Oct. 1965. 14 Ag823
- 36219 LINDSAY, W. L., and ROMSDAL, S. D. Zinc deficiency. *Colo. Farm Home Res.* 16(3):3-4. Nov./Dec.1965. 100 C712Co
Chiefly fertilizing of corn.
- 36220 LONG, O. H., and others. Lime and fertilizer experiments on soybeans. *Tenn. Agr. Exp. Sta. Bull.* 391,19 p. May 1965. 100 T25S
J. R. Overton, E. W. Counce, and T. McCutchen, joint authors.
- 36221 LUDDECKE, F. Proper site selection for sugar beets in the northern districts of the DDR. (Ge) *WTF (Wiss.-Tech. Fortsch.) Feldwirtsch.* 6(3):127-128. Mar.1965. 18 W763
- 36222 MALIANI, C. Nitrate fertilizing and herbicides for grain. (It) *G. Agr.* 75(52):529. Dec.26, 1965. 16 It1G
- 36223 MARKUS, D. K., and BATTLE, W. R. Soil and responses to long-term fertilization of alfalfa (*Medicago sativa* L.). *Agron. J.* 57(6):613-616. Ref. Nov./Dec.1965. 4 Am34P
- 36224 MAXA, V., and CHLAROVA, M. The role of liming materials and their preparation for the culture of mushrooms. (Cz) *Mykol. Sb.* 42 (7/8,sup.):1-3. Oct.1965. 450 C27
In the attachment "The culture of mushrooms."
- 36225 MEHLICH, A. A note on the effects of methane plant residue on soil fertility and nutrient content of coffee. *Kenya Coffee* 30(359):495-496. Nov.1965. 68.29 C652
Discussion of article by T. H. Hutchinson.
- 36226 MORANI, V., and GATTORTA, G. Sull'emen-damento dei terreni anomali dell'Agro Pontino. 1°- risultati dei primi due anni di sperimentazione con la torba del bassopiano [Amendment of anomalous soils of the Agro Pontino. 1. Results of the first two years of experimenting with lowland peat]. *Rome. Staz. Chim.-Agr. Sperim. Ann. Ser. III, Pubbl.* 221,22 p. Ref. 1964. 105.4 R66
English summary.
- 36227 MRVA, J. Present state and perspectives of the study of application of fertilizers for grapes in Czechoslovak SSR. (Cz) *Vinohrad* 3(5):68-69. 1965. 390.8 V772
With reference to prof. Havelka's article.

- 36228 NASIROV, S. M. Effect of complex metallic-organic compounds on yields and quality of wheat. (Az) Akad. Nauk Azerb. SSR. Dok. 21 (5):75-77. 1965. 511 Ak147D
Russian summary.
Industrial wastes as fertilizers.
- 36229 NAUMOV, K. I., and ZHARINOV, V. I. Effect of different minor element fertilizers on yields of alfalfa and sainfoin. (Rus) Khim. Sel'skom Khoz. 3(8):13-14. Aug. 1965. 385 K524
- 36230 NELSON, C. E., MORTENSEN, M. A., and EARLY, R. E. Phosphorus and zinc fertilization of rill-irrigated wheat on recently leveled land. Wash. Agr. Exp. Sta. Sta. Circ. 458, 8 p. Ref. Dec. 1965. 100 W27S
- 36231 NELSON, L. B. Soil fertilizty and management for efficient production in the United States. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:129-134. 1965. 4 N2122
- 36232 NIKITIN, B. A. Cultivation of soddy Podzol soils. (Rus) Zemledelie 12:53-55. Dec. 1965. 20 Z44
Fertilizing of field crops.
- 36233 NIKITIN, V. Application of Nitrophoska. (Rus) Kartofel' Ovoshchi 1:14-15. Jan. 1966. 75.8 K147
On potatoes.
- 36234 NISHIHARA, T., and TSUNEYOSHI, Y. On the availability of urea mixed with the nitrification inhibitors to the direct seeding paddy rice plants. (Ja) Kagoshima Univ. Fac. Agr. Bull. 15:91-99. Ref. Dec. 1964. 107.6 K14B
English summary.
- 36235 NORMAN, M. J. T. The response of a bird-wood grass [*Cenchrus setigerus*]-Townsville lucerne [*Stylosanthes humilis*] pasture to phosphate fertilizers at Katherine, N.T. Australian J. Exp. Agr. Anim. Husb. 5(17):120-124. May 1965. 23 Au792
- 36236 OBYIKIN, P. P. Effects of mineral fertilizers on yields and quality of proso grown on common Chernozem soils in Lugansk Region. (Rus) Khim. Sel'skom Khoz. 1:8-9. Jan. 1965. 385 K524
- 36237 OLIVIER, P. The use of liquid fertilizers in France. (Fr) Rev. Agr. France 38:16-17. Mar. 1965. 14 R326
- 36238 OZAKI, H. Y. Pepper fertilizer trial. Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 65-5, 4 p. May 1965. 80 F6644
Includes yields.
- 36239 PANDEY, S. N., and GOSWAMI, N. N. A brief review of the manuring of jute in India. Jute Bull. 28(7):156-160. Ref. Oct. 1965. 73.38 In2
Includes the effects of nitrogen, phosphorus and potassium on the yields of jute.
- 36240 PARDON, P. L. The development of liming in Belgium. (Fr) Agro-Serv. 6:153-154. Nov./Dec. 1965. 385 Ag86
- 36241 PEREZ-SALAS, J., and ESPINOSA, L. DE. Nitrogen in vineyard fertilizing. (Sp) Cult. Mod. 48(7):258. July 1965. 15 C89
- 36242 PHILLIPS, L. J., and NORMAN, M. J. T. The response of peanuts to phosphate fertilizers at Katherine, N.T. Australian J. Exp. Agr. Anim. Husb. 5(19):470-474. Nov. 1965. 23 Au792
- 36243 PLEVNITSKII, I. Effects of lupine planted in fall and mineral fertilizers on potato yields. (Rus) Kartofel' Ovoshchi 1:16-18. Jan. 1966. 75.8 K147
- 36244 PRESTON, D. B. Manure pond irrigation. Queensland Agr. J. 91(11):652. Nov. 1965. 23 Q33
Use of liquid swine manure as fertilizer for forage plants.
- 36245 PRIMOST, E. Yield and feed quality of catch crop forage plants through increased nitrogen fertilizing. (Ge) Bodenkultur 16(1/2):59-75. Feb./May 1965. 19 B635
English summary.
- 36246 PUMPHREY, F. V. Fertilizing Kentucky bluegrass [*Poa pratensis*] and fine fescue [*Festuca rubra*] for seed production in northeastern Oregon. Oreg. Agr. Exp. Sta. Sta. Bull. 601, 15 p. Ref. Sept. 1965. 100 Or3
- 36247 RAKTOE, B. L., and FEDERER, W. T. Statistical analysis of fertilizer response for rice yields in Nickerie, Surinam. I. Experimental results for 1957. Surinaamse Landbouw 13(5):218-221. 1965. 9.6 Su7
- 36248 RAO, D. V., and others. Preliminary studies on the behaviour of nitrophosphates and urea under different relative humidities. Andhra Agr. J. 12(1):13-16. 1965. 34.2 An4
V. V. Subbaiah, R. N. Pillai, and J. Venkateswarlu, joint authors.
Used as fertilizers.
- 36249 RAO, G. R. Fertility status and fertilizer needs of rice soils of Andhra Pradesh (a review). Andhra Agr. J. 12(1):29-34. Ref. 1965. 34.2 An4
- 36250 RESHETNIKOVA, N. V. Effectiveness of basic slag application under condition in Udmurt ASSR. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:159-163. 1965. 20 M857
Forage plants.
- 36251 RONSEN, K. Long-term fertilizer experiments at the State Experiment Station Moystad. (No) Forsk. Forsok Landbruket 16(5):293-338. Ref. 1965. 11 F772
English summary.
Field crops.
- 36252 ROSSI, U. Higher alfalfa production. (It) Avvenire Agr. 73(6):139-141. June 1965. 16 Av9
Fertilizers.
- 36253 SAICHUK, K. I. Fertilizer dosage applied for flax grown on meadow soils. (Rus) Khim. Sel'skom Khoz. 4(2):71-73. Feb. 1966. 385 K524
- 36254 SAKAI, H., and OYAMA, N. Analytical studies on the effect of stable manure and compost application. 1. Examination of the decomposing amount of manure in paddy field. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:93-102. Ref. Dec. 1964. 107.6 H572H
English summary.
- 36255 SALONEN, M., and others. Comparative studies on the effect of sulphur-containing and sulphur-free multi-nutrient fertilizers. (Fi) Ann. Agr. Fenn. 4(3):155-177, map. Ref. 1965. 20 An7
H. Tahtinen, A. Tainio, T. Keranen, E. Barkoff, and R. Jokinen, joint authors.
English summary.
Field crops.
- 36256 SAL'TYKOVA, E. P., and KORENKOV, M. I. Effect of different forms of phosphorus fertilizers on rye yields in Mordvinian ASSR. (Rus) Khim. Sel'skom Khoz. 3(10):11-12. Oct. 1965. 385 K524
- 36257 SCHMIDT, H. Chemicalization of Soviet agriculture. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 43(4):815-828, map. Ref. 1965. 18 G31
Increased fertilizer use; includes a general section on agriculture policy and productive capacity.
- 36258 SELKE, W., and GORLITZ, H. Subdividing nitrogen fertilizing of sugar beets. (Ge) Z. Landwirt. Versuchs- Untersuchwesen 10(6):541-555. Ref. 1964. 18 Z32
English summary.
- 36259 SHEREDOV, S. G. Contemporary problems in soil liming. (Rus) Khim. Sel'skom Khoz. 4:9-12. Apr. 1965. 385 K524
- 36260 SHEVCHENKO, V., and GARYANIN, M. Fertilization of potatoes on peat soil. (Rus) Kartofel' Ovoshchi 1:15-16. Jan. 1966. 75.8 K147
- 36261 SHPAL'TAKOV, M. E. Proper application of fertilizers. (Rus) Sadovodstvo 1:20. Jan. 1966. 80 Sa13
Fruit and berries.

- 36262 SHUBINA, L. S. Calculation of fertilizers required for red roses grown on plantations in Crimea. (Rus) Khim. Sel'skom Khoz. 3(10):13-14. Oct.1965. 385 K524
- 36263 SIDORINA, L. V. After effect of different forms of phosphorus fertilizers on Sierozem soil. (Rus) Khim. Sel'skom Khoz. 3(10):6-10. Oct.1965. 385 K524
- 36264 SLAVIERO, A. Grapevine fertilizing. (It) Avvenire Agr. 73(4):89-90. Apr.1965. 16 Av9
- 36265 SMIRNOV, P. M. Dynamics of different nitrogen forms in decomposition of plant remains in soil. (Rus) Moskov. Ord. Lenina Sel'skikh. Akad. K. A. Timiryazeva. Dokl. 103:131-139. 1965. 20 M857
Wheat straw as fertilizer.
- 36266 SMITH, A. N. The influence of superphosphate fertilizer on the yield and uptake of phosphorus by wheat. Australian J. Exp. Agr. Anim. Husb. 5(17):152-157. May 1965. 23 Au792
- 36267 SOROCHENKO, A. F., and DUVIN, V. S. Use of NPK as fertilizers at the time of planting field crops. (Rus) Khim. Sel'skom Khoz. 3(10):70. Oct.1965. 385 K524
- 36268 SRIRAMAMURTHY, V. M. M., RAO, D. V. K., and SASTRY, V. V. K. Comparison of different sources of nitrogen on paddy crop grown in black soils. Andhra Agr. J. 11(5):192-199. Ref. 1964. 34.2 An4
- 36269 STIVER, R. K. Some characteristics of Purdue soil testing data from field plots. Ind. Acad. Sci. Proc. 74:319-324. 1964, pub.1965. 500 In2
- 36270 SULLIVAN, G. D. How much nitrogen pays on sugar cane? La. Agr. 9(2):12-13. Winter 1965/66. 100 L939
- 36271 SUSHCHEVICH, A. V. Hill placement of fertilizers under seed sugar beets. (Rus) Khim. Sel'skom Khoz. 4:14-15. Apr.1965. 385 K524
- 36272 SVENSSON, B. Comparison of varieties at different nutritional levels. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:50-52. 75.8 Sv2
Potato fertilizing.
- 36273 TABACHKOVA, YU. N. Effects of fertilizers on yielding of perennial lupine. (Rus) Khim. Sel'skom Khoz. 4:16-17. Apr.1965. 385 K524
- 36274 TRIOLA, P. DE LA. Deficiency requirements of fruit trees. (Sp) Cult. Mod. 48(3):101-102. Mar.1965. 15 C89
Fertilizers.
- 36275 ULMANN, L. System of the application of fertilizers to the grain under the rotation of crops in mountain areas. (Cz) Za Vysokou Urodu 13:366-367. Oct.1965. 64.8 Z12
- 36276 VEZ, A. The preservation of soil fertility is indispensable to the culture of potatoes. (Fr) Agr. Romande (ser.A)4(11):81-82. Nov.1965. 17 Ag8
- 36277 VLITOS, A. J., and DAVIES, W. N. L. Coconut fibre waste as a basic medium for the production of vegetable crops. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:95-122. 1964. 64.9 C19
Chiefly fertilizing.
- 36278 VOLF, M. B. Glass as fertilizers. (Cz) Ziva 13(4):130-131. July 1965. 409.6 Z6
Fritted minor elements.
- 36279 VON BERG, D. A. Fertilisation of vlel pastures. Farming S. Afr. 41(8):5,29. Nov.1965. 24 So842
- 36280 WEEKS, W. D., and others. Relation of differential N and K fertilization to tree performance, fruit quality and storage disorders of Delicious apples. Mass. Agr. Exp. Sta. Bull. 552, 20 p. Ref. Aug.1965. 100 M38H
F. W. Southwick, M. Drake, and G. W. Glanyk, joint authors.
Effects of varying rates.
- 36281 WEISS, E. A., and GOSNELL, J. M. Vleiland development in West Kenya. III. Crop fertilizer and introduction trials. East Afr. Agr. Forest. J. 30(4):305-310. Apr.1965. 24 Ea74
Phosphate-nitrogen trials.
- 36282 WHEELER, R. W. Chelation, liming, and partial acidulation of rock phosphate as factors affecting plant recovery of soluble phosphorus from acid soils. Diss. Abs. 26(7):3573. Jan. 1966. 241.8 M58
- 36283 YADAV, L. S. Utilising animal wastes for enriching soil fertility. Gosamvardhana 13(2):6-11. May 1965. 43.8 G69
Animal excretion.
- 36284 YAROVENKO, G. I., and KOTOV, YU. V. Effectiveness of mineral fertilizers applied in growing of cotton. (Rus) Khim. Sel'skom Khoz. 3(10):19-21. Oct.1965. 385 K524
- 36285 ZAVORODCHENKO, I. S. Effect of different forms of potassium and phosphorus fertilizers on yields of hemp grown on peat soils. (Rus) Khim. Sel'skom Khoz. 4:12-13. Apr.1965. 385 K524
- 36286 ZHABONOS, L. Minor elements, yields and quality of cucumbers. (Rus) Kartofel' Ovoshchi 1:38-39. Jan.1966. 75.8 K147
Fertilization in greenhouse.

Soil Tilth and Tillage

- 36287 ALLMARAS, R. R., and others. Aggregate size distribution in the row zone of tillage experiments. Soil Sci. Soc. Amer. Proc. 29(6):645-650. Ref. Nov./Dec.1965. 56.9 So3
R. E. Burwell, W. B. Voorhees, and W. E. Larson, joint authors.
- 36288 BENNETT, O. L., DOSS, B. D., and COPE, J. T. Black plastic mulch stretches water supply and may become profitable. Highlights Agr. Res. [Ala. Sta.] 12(4):6. Winter 1965. 100 AL1H
For cotton cultivation.
- 36289 BOT, M., and others. Contribution to the improvement of the work of estimating the dimensions and layout out of terraces. (Rum) Jassy. Inst. Agron. "Ion Ionescu Brad." Lucrari Stiint. 1964:307-312. 106.4 J31L
I. Vaisman, I. Vieru, L. Palade, and H. Popa, joint authors.
French summary.
- 36290 BRILL, G. D., ALDERFER, R. B., and HANNA, W. J. Tillage practices for vegetables on sandy soils. Soil Sci. 101(1):63-68. Jan.1966. 56.8 So3
- 36291 FERGUSON, K. V. M. Clearing of timber from farm lands. J. Agr. [Melbourne] 63(11):505-509. Nov.1965. 23 V66J
- 36292 FOMENKO, L. D. Control of soil crust on flax fields. (Rus) Len i Konoplya 1:35-37. 1965. 73.8 L542
Proper tillage.
- 36293 HAKANSSON, I. What do we know about tillage for fall oil crops? (Sw) Lantmannen 76(15):4-5. July 24, 1965. 11 L234
- 36294 LARIN, A. YA., and ROMANYUK, L. I. Effect of preparation DC on soil and field crops. (Rus) Khim. Sel'skom Khoz. 4:22-27. Apr. 1965. 385 K524
Petroleum product used as mulch.
- 36295 LARSEN, P. H. Field plan 1966 should be prepared now. (Da) Landbonyt 19(8):278-280. Aug.1965. 11 L2322
Chiefly tillage and fertilizing.
- 36296 LEVIN, F. I. Pol'mekhanicheskoi obrabotki v uluchshenii svoistv durnovo-podzolistykh pochv [Role of mechanical cultivation in improvement of soddy Podzol soils]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1965. 127 p. Ref. S598.L4
- 36297 MYAKINA, N. B. Improvement of light soils by subsoiling. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:87-96. Jan./Feb.1965. 442.9 M854
East Germany.

- 36298 OUWERKERK, C. VAN., and SCHAKEL, P. An integrating reliefmeter for soil tillage experiments. *J. Agr. Eng. Res.* 10(3):259-263. Ref. Sept.1965. 58.8 J82
To study soil surface roughness.
- 36299 OZAKI, H. Y. Soil mulch experiment. Fla. Univ. Plantation Field Lab. Mimeo Rep. PFL 65-6,7 p. May 1965. 80 F6644
Using petroleum mulch, with peppers as test plant; includes yields.
- 36300 SATO, A., and FUSAMA, M. Studies in dairy farming in Hokkaido. II. Role of soil productivity in dairy farming. (Ja) *Jap. J. Zootech. Sci.* 36(10):415-418. Oct.1965. 49 N62
English summary.
Chiefly tillage and fertilizing.
- 36301 SATYEV, U. SH. Effect of methods of tillage and of fertilizers on accumulation of root and crop residues in Chernozem soils of the Bashkir Cis-Ural region. (Rus) Moscow, Univ. Vestnik. Ser. 6, 3:84-93. Ref. May/June 1965. 442.9 M854
- 36302 TADMOR, N. H., and others. Seeded dryland range in the northern Negev of Israel (Second progress report, 1963/64). (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 501,66 p. Aug. 1965. 107 R26
B. Jogeve, N. Seligman, L. Shanan, and D. Hillel, joint authors.
English summary.
- 36303 THALY, T. Application of subsoiling and its results. (Hu) *Magyar Mezogazdasag* 20(46):10. Nov.17,1965. 19 M27
- 36304 WATSON, W. The farm home; mulching is a good idea. *Agr. Gaz. New S. Wales* 76(11):687. Nov.1965. 23 N472
- Drainage, Irrigation, Water Supply, and Flood Control
- 36305 ABE, M., and KAWAHARADA, R. Studies on the characteristics of ground water in the Shirasu region. I. On the hydro-geology and the general survey of ground water investigation. (Ja) *Kagoshima Univ. Fac. Agr. Bull.* 15:47-66, map. Ref. Dec.1964. 107.6 K114B
English summary.
- 36306 AGNOLONI, M. Considerations on problems of irrigation water in Israel. (It) *Riv. Agr. Subtrop. Trop.* 59(4/6):149-163, map. Apr./June 1965. 26 Ag82
- 36307 ALLRED, K. R. Up-grading irrigated pastures—does Ladino clover have a place? *Farm Home Sci. [Utah Sta.]* 26(4):103-107. Dec.1965. 100 U1F
- 36308 ARISTARKHOV, A. N. Experimental-field study of the process of leaching of salts from salty-Solonchak soils. (Rus) Moscow, Univ. Vestnik. Ser. 6, 6:81-87. Nov./Dec.1964. 442.9 M854
- 36309 AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Extension of the comprehensive water supply scheme (agricultural areas of Western Australia); an economic evaluation. Canberra, 1965. 82 p., map. HD1699.A89A8
- 36310 BABA, A. Suiri jigyo no tenkai to jinushisei [Development of irrigation work and the land ownership system], v. 7. Tokyo. Ochanomizu Shobo, 1965. 354 p., map. 282.183 K573
- 36311 BAGHINSCHI, V., and CANDELA, V. Problems of increasing the economic effectiveness of irrigation. (Rum) *Probl. Econ. [Bucharest]* 18(12):44-57. Dec.1965. 280.8 P947
- 36312 BANOCH, Z., and HAJEK, L. Organization of the plant production under the irrigation. (Cz) *Za Vysokou Urodu* 13:373-374. Oct.1965. 64.8 Z12
Irrigation of field crops under the rotation of crops system.
- 36313 BAROCIO FREGOSO, H. Organization of the farmers and distribution of the land for the formation and organization of irrigation districts. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.7:53-71, map. 1964. 55.9 Se5
Mexico.
- 36314 BARTELS, L. F. A comparison of gypsum blocks and evaporimeters for irrigation control. *Australian J. Exp. Agr. Anim. Husb.* 5(19):453-457. Ref. Nov.1965. 23 Au792
- 36315 BINA, D. Development of hydrotechnical amelioration in Czechoslovakia. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:95-100, map. 1965. 20 M57
Irrigation and drainage.
- 36316 BOGDANOV, V. V. Temporary surface runoff on Takyrs soils. 23 p. Ref. (OTS 64-11083) Transl. 14830
Issued by CFSTI.
Translation from Akademiya Nauk SSSR. Botanicheskii Institut. Pustyni SSSR 2(32):488-507. 1954.
- 36317 BOYD, H. J., and ALLISON, S. A. A wait of many moons for irrigation to the Navajo tribe. *Reclam. Era* 51(4):98-101, map. Nov.1965. 156.84 R24
New Mexico.
- 36318 BROECKER, M. E., and WINSLOW, J. D. Ground-water levels in observation wells in Kansas, 1964. *Kans. State. Geol. Surv. Bull.* 177,93 p. Ref. Aug.1965. 406 K13B
- 36319 BURKOV, A. F. Some results of field investigation regarding silt regimen at head works of the Malo-Kabardinsk irrigation system on Terek River. 34 p. Transl. 14709
Translation from Nauchno-Issledovatel'skii Gidrotekhnicheskii Institut. Trudy 12:119-142. 1934.
- 36320 CALDERON A., G. The use of water in the State of Oaxaca, with the problem of colonization and tenure of the land of irrigation district number 19, Tehuantepec, Oaxaca. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.7:93-97, map. 1964. 55.9 Se5
- 36321 CAPP, A. Development of reclamation; legislation on reclamation. (It) In *Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori*, p.337-347. 1964. 281.9 C815
- 36322 CH'AI, Y. Electric irrigation in mountainous areas in Szechwan. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 11:32-40. Feb.10,1965. (JPRS 28,701) 173 J663Trf
Electric power water pumps in China.
Translation from Ching-chi Yen-chiu 11:21-26. Nov.20,1964.
- 36323 CHEBYSHEV, M. V., MAKHMUDOV, KH. KH., and CHERTOROGOV, P. A. Land-water and resources of the Caspian region and ways for their reclamation. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:10-15. Ref. 1963, pub.1964. 49.9 AL6T
- 36324 CORONADO ADAME, F., and NAVARRO GONZALEZ, C. Technical demonstrations of irrigation. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:83-93, map. 1964. 55.9 Se5
Demonstration plots of corn and alfalfa in Mexico.
- 36325 DECTER, S. A. A water drainage policy for New Jersey. N. J. Dep. Health. Public Health News 46(6):134-139. June 1965. 449.7 N46P
- 36326 DIKOV, D. Technical progress in the hydro-technical amelioration construction. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:91-94. 1965. 20 M57

- 36327 EARL, H. G. That dirty mess: water pollution. *Today's Health* 44(3):53-56. Mar.1966. 449.8 H993
Includes water conservation.
- 36328 FERRO, E. E. J. Wool and water in the development of Patagonia. (Sp) *Ovina* 27(322):22-23,25,30. (Concl.) May 1965. 45.8 Ov4
This section chiefly about water supply.
- 36329 FRYE, J. Secondhand water? Why not? Time and again it can be re-cleaned and re-used to cool, to irrigate—even to drink. *Today's Health* 44(3):56-61. Mar.1966. 449.8 H993
- 36330 FULOP, G. Mechanical water management of grasslands. (Hu) *Magyar Mezőgazdaság* 20 (46):12-13. Nov.17,1965. 19 M27
Drainage canal construction.
- 36331 GHENA, N., and GRUMEZA, N. New problems in the irrigation of fruit orchards. (Rum) *Gradina, Via Livada* 14(7):55-65. July 1965. 80 G75
- 36332 GHULAM YASIN, M. The economics of tube well irrigation. Punjab (Pakistan). *Board Econ. Inq. Publ.* 133,108 p. 1965. 281.9 In2
- 36333 GOLDEN, D. R. What does irrigation mean to the modern day vegetable processing industry? *Sprinkler Irrig. Ass. Annu. Tech. Conf. Proc.* 1965:31-33. 55.9 Sp8
- 36334 GOMEZ ANDRADE, H. Irrigation by pumping in Yucatan. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.7:133-140, map. 1964. 55.9 Se5
- 36335 GONZALEZ ORIHUELA, A. Organization of the farmers and distribution of the land for the formation and organization of irrigation districts. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.7:31-51, map. 1964. 55.9 Se5
In Mexico.
- 36336 GORINSKII, V. N. Plastic pipes in irrigation and water supply for farms in foreign countries. (Rus) *Khim. Sel'skom Khoz.* 1:4-8. Ref. Jan.1965. 385 K524
- 36337 HAUPERT, J. S. Jordan's East Ghor canal project. *Assoc. Amer. Geog. Ann.* 55(4):619-620. Dec.1965. 500 As73
Includes irrigation.
- 36338 HAUSDORF. The roll end irrigation system in the sewage utilization district of Juterbog. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6 (4):158-159. Apr.1965. 18 W763
- 36339 HAWKES, H. B. Irrigation in the United States. In Smith, G. H., ed. *Conservation of natural resources*, ed.3, p.103-132, map. Ref. 1965. HC103.7.S56
- 36340 HERBER, H. Extensive irrigation program in the DDR. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(4):145. Apr.1965. 18 W763
- 36341 HOLJEWILKEN, H. Labor procedures in field irrigation and their technical equipment. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6 (4):174-175. Apr.1965. 18 W763
- 36342 HOLJEWILKEN, H. The technique of field irrigation and its future development in the DDR. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(4):166-169. Apr.1965. 18 W763
- 36343 HOLLAND, R. F. Water a very important commodity. *Amer. Dairy Rev.* 28(3):64,107-108. Mar.1966. 44.8 Am38
Rural.
- 36344 JIMENEZ VILLALOBOS, A. Geohydrologic study for irrigation aims, the coast of Hermosillo, Sonora. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.4:5-13, map. 1964. 55.9 Se5
- 36345 KAGAWA, K. Development of a united irrigation system in Kagawa Prefecture. 4. United irrigation system in Aya River. (Ja) *Shikoku. Agr. Exp. Sta. Bull.* 13:141-166, map. Sept. 1965. 107.6 Z4
English summary.
- 36346 KARNES, L. B. Reclamation of wet and over-flow lands. In Smith, G. H., ed. *Conservation of natural resources*, ed.3, p.133-144, map. Ref. 1965. HC103.7.S56
- 36347 KHARITONOVA, R. G. Applications of sewage in irrigation of fruit nurseries. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:237-246. 1965. 20 M857
- 36348 KOJIMA, K., and SIMOMURA, I. Studies on the mole drainer. IV. On the shearings of soil. (Ja) *Soc. Agr. Mach. Jap. J.* 27(3):172-177. Ref. Dec.1965. 58.9 Sol
English summary.
- 36349 KOLPAKOV, V. V. Irrigation and chemical fertilizers as means for increasing field crop yields in European part of USSR. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:169-180. 1965. 20 M857
- 36350 KRUSE, E. G., HUNTLEY, C. W., and ROBINSON, A. R. Flow resistance in simulated irrigation borders and furrows. *U. S. Agr. Res. Serv. Conserv. Res. Rep.* 3,56 p. Ref. Nov. 1965. A279.9 Ag8
Colorado Agricultural Experiment Station, cooperating.
- 36351 LARSON, C. L. A two-phase approach to prediction of peak rates and frequencies of runoff for small ungaged watersheds. *Diss. Abs.* 26 (7):3815. Jan.1966. 241.8 M58
- 36352 LEYVA DUARTE, S. How to improve the use of irrigation water, taking into account the water-soil-plant-man relationship. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.9:53-81, map. 1964. 55.9 Se5
Mexico.
- 36353 LOMA, J. L. DE LA. Characteristics of the irrigation districts in Mexico. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.7:13-30. 1964. 55.9 Se5
- 36354 LOMA, J. L. DE LA. The economic importance of irrigation districts in Mexico. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.7:5-12. 1964. 55.9 Se5
- 36355 LOPEZ MARTINEZ, J. Geohydrologic study for irrigation aims in the desert of Vizcaino, County of Mulege, Territory of Baja California Sur. (Sp) *Seminar. Latino-Amer. Irrig. Mem.*, 3d Seminar, v.4:27-37, map. 1964. 55.9 Se5
- 36356 LUCEY, R. F., and TESAR, M. B. Frequency and rate of irrigation as factors in forage growth and water absorption. *Agron. J.* 57(6):519-523. Ref. Nov./Dec.1965. 4 Am34P
Greenhouse tests with alfalfa.
- 36357 LUTHIN, J. N., and TAYLOR, G. S. The computer tackles some drainage problems. (Condensed.) *Agr. Eng.* 47(2):78-79. Feb.1966. 58.8 Ag83
- 36358 MALDONADO ORTIZ, A. Penman's theoretical method for calculating the evapotranspiration potential. (Sp) *Seminar. Latino-Amer. Irrig. Mem.* 3d Seminar, v.9:105-116. 1964. 55.9 Se5
For determining the time to irrigate.
- 36359 MALONE, T. E. The California irrigation crisis of 1886: origins of the Wright Act. *Diss. Abs.* 26(7):3909-3910. Jan.1966. 241.8 M58
- 36360 MAMEDOV, A. M. Russkie uchenye i razvitie irrigatsii Srednei Azii [Russian scientists and development of irrigation in Central Asia]. Tashkent, Uzbekistan, 1965. 184 p. Ref. HD1741.C4M3
- 36361 MARJAI, GY. Employment of plastic foils for the insulation of irrigation canals of earth profile. (Hu) *Kiserletugyi Kozlemenyek* 57/A(3):127-147. 1964, pub.1965. 105.9 H89
English summary.
- 36362 MARTIN, R. D. Boise's balm for burn. *Our Publ. Lands* 15(3):4-6. Winter 1966. 156.55 Ou7
Restoration of watershed.

- 36363 MARTINEZ, L. A. Control of the quality of irrigation water and its influence on planning and conservation of irrigation districts. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:159-178. Ref. 1964. 55.9 Se5 Mexico.
- 36364 MARTINEZ RUIZ, R. Variations in the water level in Valle de Leon, Guanajuato. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.4:15-25. 1964. 55.9 Se5
- 36365 MATHER, J. R. The role of irrigation agriculture in humid areas. Assoc. Amer. Geog. Ann. 55(4):631. Dec.1965. 500 As73
- 36366 MCMILLAN, J. R. A. Water, agricultural production and world population; the 1965 Farrer Memorial Oration. Agr. Gaz. New S. Wales 76(11):652-662. Nov.1965. 23 N472
Chiefly on developing water conservation for irrigation and efficient plant production.
- 36367 MCMILLAN, J. R. A. Water, agricultural production and world population; the 1965 Farrer Memorial Oration. Austral. J. Sci. 28(4):135-141. Oct.1965. 475 Au72
Chiefly on developing water conservation for irrigation and efficient plant production.
- 36368 MEINKE, W. W., and WALDRIP, W. J. Retarding evaporation in small reservoirs. Reclam. Era 51(4):109-112. Nov.1965. 156.84 R24
Texas.
- 36369 MERECA, A. Irrigation districts for Roldanillo-La Union-Toro and La Victoria-Cartago. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.7:77-92, map. 1964. 55.9 Se5
Colombia.
- 36370 MICHEL, A. A. The Indus Basin problem, 1965. Assoc. Amer. Geog. Ann. 55(4):634. Dec.1965. 500 As73
Irrigation project for Pakistan.
- 36371 MIHALYFALVY, I. Management possibilities for reducing and preventing inland water damages. (Hu) Magyar Mezőgazdaság 20(46):11. Nov.17,1965. 19 M27
Flood control.
- 36372 MOORE, C. V., and SNYDER, J. H. Irrigation pumping lifts in the San Joaquin Valley. Calif. Agr. 19(10):14-15, map. Oct.1965. 100 C12Cag
- 36373 MOZHAISKII, B. Standard designs of hydro-technical constructions. (Rus) Mezhduar. Sel'skokhoz. Zh. 6:14-15. 1965. 20 M57
Irrigation and drainage equipment.
- 36374 MUELLER, R. C. Ag leaders' 1966 guidelines for sprinkler irrigation. Farm Technol. 22(2):7, 18. Feb.1966. 275.28 N213
- 36375 MULLER, W. The realization of the first step of the irrigation program in Magdeburg district. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):147-149. Apr.1965. 18 W763
- 36376 MURTHY, K. S., and RAO, M. R. Effect of irrigation and manuring on onion (*Allium cepa* Linn.). Andhra Agr. J. 11(5):214-223. 1964. 34.2 An4
- 36377 NEPOMILYEV, V. F., and KUZ'YAKINA, T. I. Effect of different methods in irrigation on microorganisms in peaty gley soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:341-347. 1965. 20 M857
Sewage irrigation.
- 36378 OOSTHOEK, J. Drainage canals and their maintenance. (Du) Groenten Fruit 21(25):1141. Jan.5,1966. 80 G89
- 36379 OUWERKERK, J. H. VAN, and PETTE, D. An estimation method for stationary and saturated ground water flows. II. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(9):444-457. Sept. 1965. 12 N282
- 36380 PALACIOS VELEZ, E. How to improve the use of irrigation water, taking into account the water-soil-plant man relationship. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:39-51. 1964. 55.9 Se5
Mexico.
- 36381 PALFAI, I. Exploration of the qualitative conditions of the waters below the surface in the southern part of the region east of the Tisza and their representation in relation to irrigation. (Hu) Agrokem. Talajtan 14(3/4):203-226, map. Ref. Dec.1965. 385 Ag83
English summary.
- 36382 PENICHE CANTO, A. Advantages obtained with the irrigation system of Rio Blanco, Veracruz. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.7:99-132, map. 1964. 55.9 Se5
Includes expenses and crops cultivated.
- 36383 PERA, P. C. Irrigation in horticultural production. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 210:18-19. June 1965. 9 Id3
- 36384 PERENYI, K. Irrigation in Syria. (Hu) Vizugyi Kozlem. 4:572-583, map. 1965. 290.9 H89
- 36385 PERU. DELEGACION AL TERCER SEMINARIO LATINO AMERICANO DE IRRIGACION. The canon of waters. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:125-132. 1964. 55.9 Se5
Proposal of a water policy for Latin American agricultural development.
- 36386 PERU. DELEGACION AL TERCER SEMINARIO LATINO AMERICANO DE IRRIGACION. Improvement of irrigation for the small and medium-sized properties of the coastal valleys and irrigation of the uncultivated land bordering them, using subsoil waters. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:119-123. 1964. 55.9 Se5
- 36387 PERU. DELEGACION AL TERCER SEMINARIO LATINO AMERICANO DE IRRIGACION. Volumetric irrigation. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:133-140. 1964. 55.9 Se5
For Peru and other countries.
- 36388 PESTRONG, R. The development of drainage patterns on tidal marshes. Diss. Abs. 26(7):3867. Jan.1966. 241.8 M58
- 36389 PETHERBRIDGE, D. W., SMITH, E. R., and VARLEY, F. A. Drought in New South Wales. Milk Board J. 16(4):29-31, 33, 35, 37, 39. Apr. 1965. 44.8 M5934
Water supply for farms and conservation methods.
- 36390 RAO, T. S., RAO, A. K., and NARAYANA, E. L. Studies on the quality of waters from some streams and rivers traversing the right canal Ayacut under Nagarjunasagar Project. Andhra Agr. J. 11(5):177-191. 1964. 34.2 An4
For irrigation.
- 36391 RAYMENT, A. F., and CHANCEY, H. W. R. Peat soils in Newfoundland—reclamation and use. Agr. Inst. Rev. 21(1):8-11. Jan./Feb. 1966. 7 Ag8
- 36392 ROBLES ESPINOSA, J. Organization of the plans for irrigation and the distribution and control of water. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:5-23, map. 1964. 55.9 Se5
Mexico.
- 36393 ROMERO C., J. J. Methodology to formulate experiments and recommendations on handling of irrigation water at the allotment level. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.9:25-38. Ref. 1964. 55.9 Se5
- 36394 ROMERO OCHOA, M. General data on the irrigation district of the Yaqui River, Sonora. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar, v.7:141-163. 1964. 55.9 Se5
- 36395 ROZNIN, V. A., BEZMENOV, A. I., and LUGANSKII, V. D. Sel'skokhozyaistvennye melioratsii [Agricultural reclamation]. Moskva, Kolos, 1965. 472 p. S605.R6
- 36396 SALE, P. J. M. The response of summer lettuce to irrigation and plant spacing. J. Hort. Sci. 41(1):31-42. Ref. Jan.1966. 80 J825
- 36397 SALE, P. J. M. The response of summer lettuce to irrigation at different stages of growth. J. Hort. Sci. 41(1):43-52. Ref. Jan.1966. 80 J825

- 36398 SAMMONS, R. W. Irrigation development, institutional blocks to ground-surface-water integration in the Gallatin Valley, Montana. Diss. Abs. 26(7):3669. Jan.1966. 241.8 M58
- 36399 SARGENT, R. L. Alternatives for developing land on the Hardin Unit, Montana. Diss. Abs. 26(7):3669. Jan.1966. 241.8 M58
Irrigation policies.
- 36400 SCHIEMANN, M. From the conclusion of the plenary meeting to the finished irrigation system. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):149-150. Apr.1965. 18 W763
- 36401 SCHOLZ, A., WIESE, P., and MEHNERT, K. Irrigation by damming on groundwater sites. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):153-158. Apr.1965. 18 W763
- 36402 SCHOLZ, P. Entwicklung und Erprobung eines mechanisierten Beregnungsverfahrens unter Verwendung von Kunststoffrohren [Development and testing of a mechanized irrigation procedure using plastic pipes]. Kuratorium Tech. Landwirt. Ber. Landtech. 94,92 p. Ref.,p.85-92. 1965. 18 K96
English summary.
- 36403 SCHWARZ, K. The most important irrigation procedures, their use and technical formation. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):150-153. Ref. Apr.1965. 18 W763
- 36404 SEIFFAHR, R. Upkeep and supply of spare parts in irrigation systems. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):177. Apr. 1965. 18 W763
- 36405 SEMINARIO LATINO-AMERICANO DE IRRIGACION. 3, MEXICO, 1964. Memoria [Report]. Vol. 4, 7, 9. Mexico, 1964. 3 v. 55.9 Se5
- 36406 SHUL'GIN, A. M. Fiziko-geograficheskie osnovy melioratsii; kurs lektsii [Physicogeographical principles of melioration; course of lectures]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1965. 129 p.,map. Ref. S605.S5
Reclamation.
- 36407 SINE, L. The efficient sizing of an agricultural drainage network. (Fr) Ann. Gembloux 71 (2):117-140. Ref. Second Q. 1965. 13 G28
- 36408 SINISCALCHI, C. Contribution to the estimation of open pressure distributors. (It) Acqua Agr. Ig. Indus. 42(4):107-114. July/Aug.1964. 290.8 Ac7
English summary.
Irrigation pipes.
- 36409 SMITH, G. H. Floods and flood control. In his Conservation of natural resources, ed.3,p.297-323,map. Ref. 1965. HC103.7.S56
- 36410 SMITH, G. H. Water power and its conservation. In his Conservation of natural resources, ed.3,p.251-272,map. Ref. 1965. HC103.7.S56
- 36411 STEVENS, R. E. Patterns and problems of irrigation on the Llano Estacado of Texas-New Mexico. Assoc. Amer. Geog. Ann. 55(4):650. Dec.1965. 500 As73
- 36412 STOL, P. T. The effect of phase shifts on the diagram of groundwater level fluctuations. (Du) Landbouwkundig Tijdschr. 77(14):513-529. Aug. 1965. 105.2 Or3
English summary.
- 36413 STRYJEWSKI, F. Vertical drainage. 17 p. Ref. (OTS 61-31309) Transl. 14310
Translation from Gospodarka Wodna 18(9): 390-396. 1958.
- 36414 SUPERSPERG, H. Field irrigation trials 1961-1962. (Ge) Bodenkultur 16(1/2):178-197. Ref. Feb./May 1965. 19 B635
English summary.
- 36415 SZEIFERT, GY. Complex water resources development in the Nyirseg region. (Hu) Vizugyi Kozlem. 4:435-474,map. Ref. 1965. 290.9 H89
English summary, p.118.
- 36416 VICTORIA. STATE RIVERS AND WATER SUPPLY COMMISSION. Sixtieth annual report 1964-1965. Melbourne, 1965. 136 p. 292.9 V66
Includes farm water supply, flood protection, drainage, and irrigation.
- 36417 VITUM, M. T. Water crisis! and New York agriculture. Farm Res. [N. Y. Sta.] 31(2):6-7. July/Sept.1965. 100 N48A
- 36418 VOIGT, D. Mechanization systems for irrigation. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):176. Apr.1965. 18 W763
- 36419 VOIGT, D. Situation of irrigation technique in the DDR. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):169-173. Apr.1965. 18 W763
- 36420 VOLOBUEV, V. R. Study of effectiveness of salt removal by leaching of soil monoliths. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(5):62-66. 1965. 511 Ak147D
- 36421 VUCIC, N., and VUCIC, J. Problem of the evaluation of quality of irrigation water. (Se) Arh. Poljoprivredne Nauk. 18(60):67-74. 1965. 21.5 Y9
English summary.
- 36422 WILSON, T. V., and VAIGNEUR, H. O. Shallow groundwater for irrigation. S. C. Agr. Exp. Sta. Circ. 145,19 p. Dec.1965. 100 So8
- 36423 WISSENBOORN, K. Drainage problems in marsh orchards. (Ge) Obstbauversuchsrings Alten Landes. Mitt. 20(5):177-182. May 1965. 85 J76
- 36424 WOOLHISER, D. A., and SAXTON, K. E. Computer program for the reduction and preliminary analyses of runoff data. U. S. Agr. Res. Serv. ARS-41-109,33 p. Oct.1965. A56.9 R31
Wisconsin Agricultural Experiment Station, cooperating.
- 36425 YOUNGS, E. G. A comparison of the performances of some plastic and tile drains. J. Agr. Eng. Res. 10(3):202-203. Sept.1965. 58.8 J82
- 36426 ZETZSCHE, J. B., and NEWMAN, J. S. Sub-irrigation with plastic pipe. (Condensed.) Agr. Eng. 47(2):74-75. Feb.1966. 58.8 Ag83
- 36427 ZIEROLD REYES, L. Utilization of sluice-gates of spillways and dams as gauging equipment. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar,v.9:141-158. 1964. 55.9 Se5
In measuring irrigation water.

Erosion and Erosion Control

- 36428 BODOLAY, MRS. I. Wind erosion process and dynamics of soils. (Hu) Agrochem Talajtan 14(3/4):311-320. Ref. Dec.1965. 385 Ag83
Review of literature.
- 36429 CARRERI, L. A. Land regulation and use of equipment. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.348-363. 1964. 281.9 C815
Soil and water conservation.
- 36430 DATER, J. L. Crownvetch; creeping legume effective in solving roadside erosion problems. Agr. Chem. 21(1):44,46. Jan.1966. 381 Ag8
- 36431 GAEL', A. G. Control of wind erosion of soils. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:3-12. Ref. May/June 1965. 442.9 M854
- 36432 KAWAMURA, A., YAMASAKI, S., and KOGA, H. Studies on the mechanism of soil erosion under low rainfall condition. 2. Erodibility of mineral soil and effect of high molecular compounds on the soil erosion control. (Ja) Shikoku Agr. Exp. Sta. Bull. 13:107-121. Sept.1965. 107.6 Z4
English summary.

- 36433 MORGAN, R. J. Governing soil conservation: thirty years of the new decentralization. Baltimore, Johns Hopkins Press, 1965. 399 p. Ref. S624.A1M6
- 36434 PALMER, R. S. Causes, control, and prevention of gullies at various New England locations. U. S. Agr. Res. Serv. Conserv. Res. Rep. 2,34 P.,map. Ref. July 1965. A279.9 Ag8
New Hampshire Agricultural Experiment Station, cooperating.
- 36435 RICHARDSON, E. C., and DISEKER, E. G. Establishing and maintaining roadside cover in the Piedmont Plateau of Georgia. Agron. J. 57(6): 561-564. Nov./Dec.1965. 4 Am34P
Soil erosion control.
- 36436 RITER-STUDNICKA, H. Plants suitable for biological improvement of eroded sloping soils. (Se) Nar. Sumar 19(7/8):269-276. July/Aug.1965. 99.8 N16
German summary.
Halacsya sendtneri.
- 36437 ROCKIE, W. A. Soil conservation. In Smith, G. H., ed. Conservation of natural resources, ed.3,p.79-102,map. Ref. 1965. HC103.7.S56
- 36438 SIDDOWAY, F. H. Effect of kind, amount, and placement of residue on wind erosion control. Diss. Abs. 26(6):2947. Dec.1965. 241.8 M58
- 36439 STURKIE, D. G. Research helps stabilize slopes and beautify State's highways. Highlights Agr. Res. [Ala. Sta.] 12(4):3. Winter 1965. 100 AL1H
Soil erosion control by planting.
- 36440 TAKESHITA, K. Theoretical analysis of slope evolution based on laboratory experiments and relative consideration. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:115-136. Ref. Mar.1963. 99.9 F95
English summary.
Soil erosion.
- 36441 TURCOTT, G. L. Cover for frail lands. Our Publ. Lands 15(3):20-21. Dec.1965. 156.55 Ou7
Soil conservation policies.
- 36442 U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Soil and water conservation research. U. S. D. A. Misc. Publ. 850,8 p.-folder,map. Dec.1965. 1 Ag84M
- 36443 U. S. SOIL CONSERVATION SERV. A better place to live; summary of activities of the Soil Conservation Service, 1965. Soil Conserv. 31(7):159-166. Feb.1966. 1.6 So3S
- 36444 U. S. SOIL CONSERVATION SERV. What is a farm conservation plan? U. S. D. A. PA -629, slightly rev.,8 p.,map. Oct.1965. 1 Ag84Pro
Soil conservation and conservation farming.
- 36445 WILLIAMS, D. A. Conserving grazing land; a landmark passed. Soil Conserv. 31(7):167. Feb.1966. 1.6 So3S
Soil conservation.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 36446 CHEREPANOV, G. G. Mineral fertilizers on International show "Chemistry in Industry, Construction and Agriculture." (Rus) Khim. Sel'skom Khoz. 4(2):12-14. Feb.1966. 385 K524
- 36447 NOYES, R. Potash and potassium fertilizers, 1966. Park Ridge, N. J., 1965. 210 p. Ref., p.152-159. (Noyes Development Corporation. Chemical Process Monograph No.15) HD9483.N6
- 36448 BLAUDEL, M. The future of Thomas phosphate. (Ge) Mitt. Deut. Landwirt.-Ges. 79(47):1598, 1560. Nov.19,1964. 18 N39
- Fertilizer Technology and Statistics
- 36449 ALMASSY, GY., and GATI, F. Experiments fertilizer manufacture containing trace elements. II. (Hu) Agrochem. Talajtan 14(3/4): 321-328. Ref. Dec.1965. 385 Ag83
- 36450 BATISHCHEV, I. Mechanical handling of mineral fertilizers in transportation. (Rus) Tekh. Sel'skom Khoz. 1:10-13. Jan.1966. 58.8 M11
- 36451 BĖLOUSOV, R., and PETRAKOV, N. Economic stimulation of production and utilization of mineral fertilizers. (Rus) Voprosy Ekon. 11: 144-151. Nov.1965. 280.8 V89
Includes costs and prices.
- 36452 BELYAEV, V. S. Economic effectiveness of mineral fertilizers. (Rus) Khim. Sel'skom Khoz. 3(8):69-71. Aug.1965. 385 K524
Costs and returns.
- 36453 BIRUN, A. M., and others. Methods for determination of nitrogen in form of its nitrates and nitrites. (Rus) Khim. Sel'skom Khoz. 4(2):5-12. Ref. Feb.1966. 385 K524
E. K. Kreshkova, K. A. Komarova, and A. N. Yarovenko, joint authors.
Analysis of fertilizers.
- 36454 BOYLAN, D. R., and JOHNSON, R. T. Potassium nitrate as an aid to fertilizer granulation. J. Agr. Food Chem. 14(1):34-36. Jan./Feb. 1966. 381 J8223
- 36455 BURCH, W. G., and BRABSON, J. A. An improved Raney catalyst powder method for determination of nitrogen in fertilizers. Ass. Offic. Agr. Chem. J. 48(6):1111-1115. Dec. 1965. 381 As7
- 36456 CATANI, R. A., BITTENCOURT, V. C. DE, and GLORIA, N. A. DA. Mygrosopicity of various fertilizers in an environment with constant relative humidity. (Por) Rev. Agr. [Piracicaba] 40(4):185-191. Dec.1965. 9.2 R324
English summary.
- 36457 DAVIDSON, D. Juiced-up fertilizer. Farm Quart. 21(1):96-97,139-141. 1966. 6 F22995
Liquid fertilizers.
- 36458 DUNCAN, R. D., and BRABSON, J. A. A critical evaluation of the ammonium molybdophosphate method for phosphorus. Ass. Offic. Agr. Chem. J. 48(6):1092-1095. Ref. Dec.1965. 381 As7
In fertilizers.
- 36459 HOFFMAN, W. M. Collaborative study of the application of electrometric titration techniques in the volumetric ammonium molybdate method for phosphorus. Ass. Offic. Agr. Chem. J. 48(6):1085-1091. Dec.1965. 381 As7
Fertilizers.
- 36460 HOLT, K. E. Methods of analysis for water-insoluble and slow-release nitrogen in fertilizers. Ass. Offic. Agr. Chem. J. 48(6):1105-1111. Dec.1965. 381 As7
- 36461 INGRAM, W. J. Dichromate method for iron in fertilizers. Ass. Offic. Agr. Chem. J. 48(6): 1104. Dec.1965. 381 As7
- 36462 JONES, T. M., LEWIS, H. T., and GETSINGER, J. G. Formamide as a component of liquid fertilizers. J. Agr. Food Chem. 14(1):20-23. Jan./Feb.1966. 381 J8223
- 36463 KRESHKOV, A. P., YAROVENKO, A. N., and NEVSKAYA, V. N. Methods in analysis of urea and their comparative characteristics. (Rus) Khim. Sel'skom Khoz. 1:21-26. Ref. Jan.1965. 385 K524
As fertilizers.
- 36464 KRESHKOV, A. P., YAROVENKO, A. N., and NEVSKAYA, V. N. Methods of calcium cyanamide analysis and their comparative characteristics. (Rus) Khim. Sel'skom Khoz. 4:19-22. Ref. Apr.1965. 385 K524
As fertilizer.

Mineral Soil Amendments

- 36448 BLAUDEL, M. The future of Thomas phosphate. (Ge) Mitt. Deut. Landwirt.-Ges. 79(47):1598, 1560. Nov.19,1964. 18 N39

- 36465 KRESHKOV, A. P., and SVISTUNOVA, G. P. Methods of titration and their application in analysis of ammonium fertilizers. (Rus) Khim. Sel'skom Khoz. 6:11-18. Ref. June 1965. 385 K524
- 36466 LEHR, J. R., FRAZIER, A. W., and SMITH, J. P. Precipitated impurities in wet-process phosphoric acid. J. Agr. Food Chem. 14(1):27-33. Ref. Jan./Feb.1966. 381 J8223 Fertilizer.
- 36467 MCBRIDE, C. H. Determination of minor nutrients in fertilizers by atomic absorption spectrophotometry. 2. Ass. Offic. Agr. Chem. J. 48(6):1100-1103. Dec.1965. 381 As7
- 36468 MISSOURI, AGRICULTURAL EXPERIMENT STATION. Report of analysis of fertilizer samples collected, January 1 to March 31, 1965. Mo. Fert. Rep. 7(3),15 p. May 1965. 57.9 M692
- 36469 POUNDSTONE, B., and HUFFMAN, W. J. Analyses of official fertilizer samples; semi-annual report, spring season, January-June, 1965. Ky. Agr. Exp. Sta. Regulat. Bull. 188,74 p. Sept.1965. 100 K41
- 36470 RIEMER, H. Points to industry growth. Agr. Chem. 21(1):18-19. Jan.1966. 381 Ag8 Fertilizer industry.
- 36471 ROZSA, B., and SZELLE, Z. Mineral fertilizer production. (Hu) Statist. Szemle 43(12):1226-1237. Dec.1965. 266.5 S2M English summary. Statistics on production and consumption in comparison with other countries.
- 36472 SCHALL, E. D., CARTER, A. S., and EIKENBERRY, J. G. Inspection of commercial fertilizers. Ind. Agr. Exp. Sta. Insp. Rep. 57,83 p. Spring 1965. 280.39 In22
- 36473 SELEZNEV, M. P., and PAVLOVA, G. S. Effective method for transportation of fertilizers. (Rus) Khim. Sel'skom Khoz. 3(8):72. Aug.1965. 385 K524
- 36474 SZEKERES, L., and KARDOS, E. Data to the determination of phosphate-, arsenate and sulphate ions. (Hu) Kiserletugyi Kozlemenyek 57/A(3):169-172. Ref. 1964,pub.1965. 105.9 H89 English summary. In relation to fertilizers and plant protection materials.
- 36475 USSARY, J. P., and GEHRKE, C. W. Automatic flame photometric determination of potassium in fertilizers. A. Ass. Offic. Agr. Chem. J. 48(6):1095-1100. Dec.1965. 381 As7
- 36476 VOL'FKOVICH, S. I., and others. Production of potassium metaphosphate as concentrated and complex fertilizer. (Rus) Zhur. Prikladnoi Khim. 38(9):1897-1903. Ref. Sept.1965. 385 Z64 M. V. Lykov, A. S. Cherepanova, Z. A. Kozlova, and E. G. Polievktova, joint authors.
- 36477 WRONKA, T. Production of mineral fertilizers in Poland. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:87-90. 1965. 20 M57
- 36478 ZONNCHEN, E., and HANNUSCH. Establishment of chemical centers in the Frankfurt/Oder district. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):226. May 1965. 18 W763 Fertilizer storage.

Manures and Composts

- 36479 BRITISH OIL AND CAKE MILLS, POULTRY ADVISORY DEPT. Poultry manure and its disposal. Ed. 2. London, 1965. 36 p. S655.B7
- 36480 HERRENKIND, J., and WAGNER, E. Advisory recommendations on manure handling. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 135:15-18. Dec.15,1965. 281.8 B462 Composition and fertilizing value.
- 36481 KAIKOW, J. Composting in the Netherlands. Assoc. Amer. Geog. Ann. 55(4):624. Dec.1965. 500 As73
- 36482 KARLIK, J. Utilization of composts for the culture of mushrooms. (Cz) Mykol. Sb. 42(7/8,sup.):3. Oct.1965. 450 C27 In the attachment "The Culture of Mushrooms."
- 36483 NIGRO, C. Research on the preparation of humus-nitrogen fertilizers by lignite ammonification. II. (It) Agrochimica 9(4):334-347. Sept.1965. 385 Ag84 English summary.
- 36484 STAREK, E. Utilization of bark waste for composts. (Cz) Les [Bratislava] 21(7):203-204. July 1965. 99.8 L5632
- 36485 TOROK, L., and CSOKKARETI, MRS. K. Contributions to the colorimetric determination of phosphate ion in composts, with the vanadate-molybdate method. (Hu) Agrokem. Talajtan 14(3/4):265-278. Ref. Dec.1965. 385 Ag83 English summary.

FORESTRY

GENERAL

- 36486 ARANETA, S. The role of the pulp and paper industries in the control of kaingin. Araneta J. Agr. 11(3):129-137. July/Sept.1964. 25 Ar1
Shifting cultivation as a source of forest destruction.
- 36487 BILE, S. C., and others. Forest and nature in the language of poetry. (Ge) Schweiz. Z. Forstwesen 116(12):919-1003. Dec.1965. 99.8 J82
Some papers in French.
- 36488 BLAKE, J. L. Trees in a treeless island. Scot. Forest. 20(1):37-47. Ref. Jan.1966. 99.8 Sco3
Forestry on Lewis with Harris Island.
- 36489 BRITISH COLUMBIA. UNIVERSITY. RESEARCH FOREST. Annual report for period April 1, 1964 to March 31, 1965. Vancouver, 1965. 28 p. 99.9 B7725
- 36490 BROWN, H. J. Publications of the Southeastern Forest Experiment Station, 1959-1963. U. S. Forest Serv. Southeast. Forest Exp. Sta. Sta. Pap. 117(sup.),71 p. Sept.1965. 1.9622 S4St2
- 36491 BURES, V. Forestry of Mongolia. (Cz) Lesnicka Prace 44(2):72-76. Feb.1965. 99.8 L56
- 36492 CAPEK, M. Forests and forest research in Canada. (Cz) Lesnicka Prace 44(3):124-129. Mar.1965. 99.8 L56
- 36493 CERNY, Z. Evaluation of the quality of forest labor. (Cz) Lesnicka Prace 44(6):256-257. June 1965. 99.8 L56
- 36494 COLLOM, J. L. A young forester's ideas. Northern Logger 14(7):26,41. Jan.1966. 99.81 N812
On the image of the forester.
- 36495 DEHRA DUN FOREST RESEARCH INSTITUTE AND COLLEGES. Annual news bulletin for the year 1964-65. Indian Forest. 91(12):873-910. Dec.1965. 99.8 In2
- 36496 DONIS, C. A. Shifting agriculture (shag). Duke Univ. Sch. Forest. Bull. 30-46. 1965. 99.9 D88
In relation to tropical forestry.
- 36497 DUKE UNIVERSITY. SCHOOL OF FORESTRY. Proceedings of the tropical forestry symposium, April 21-26,1965. Duke Univ. Sch. Forest. Bull. 18,195 p. 1965. 99.9 D88
- 36498 EDLIN, H. L. The Forestry Commission Library: a review. Great Brit. Forest. Comm. Rep. Forest Res. 1964:137-140. 1965. 99.9 G795Re
- 36499 FRANCOIS, T. International technical assistance in tropical countries in the field of forestry. Duke Univ. Sch. Forest. Bull. 18:134-176. 1965. 99.9 D88
Includes the role of Food and Agriculture Organization of the United Nation through its Forestry Division.
- 36500 GREAT BRITAIN. FORESTRY COMMISSION. Report on forest research for the year ended March 1964. London, 1965. 266 p.,map. 99.9 G795Re
- 36501 GRISPOS, P. Forest legends in Thessaly: Seventy brothers. (Gre) Dassika Chron. 86(7): 535-537. Dec.1965. 99.8 D263
- 36502 HADFIELD, M. John Evelyn and his Sylva. Quart. J. Forest. 60(1):40-43. Jan.1966. 99.8 Q2
An outstanding book on trees.
- 36503 HARDIE, D. Some tasks and problems facing the forester in the developing tropical countries. Arbor 4(2):i2-i4. 1965. 99.8 Ar17
- 36504 HAUSER, A. The forestry of the "Hausvater." (Ge) Schweiz. Z. Forstwesen 117(1):29-47. Ref. Jan.1966. 99.8 J82
French summary.
A literary period before 1700.
- 36505 HORNE, J. E. M. The training of forestry workers in Nigeria. Nigerian Forest. Conf. Proc., 1st Conf.:66-68. 1964. 99.9 N567
- 36506 JEFFERS, J. N. R. Report of the International Advisory Group of Forest Statisticians, 1963. Great Brit. Forest Comm. Forest Rec. 56,7 p. 1965. 99.9 G795Fo
Report of the conference related to computer application in forestry research set up by the International Union of Forest Research Organizations.
- 36507 KLOSE, F. Technical assistance and forestry. (Ge) Schweiz. Z. Forstwesen 117(1):16-28. Jan.1966. 99.8 J82
French summary.
Developing areas.
- 36508 KNOP, J., and ZASMETA, V. Towards the third decade of the Czechoslovak socialist forestry. (Cz) Lesnicka Prace 44(5):193-196. May 1965. 99.8 L56
- 36509 KRIZ, M. Scientific organization of the forest labor. 6. Application of the physiology of labor. (Cz) Lesnicka Prace 44(5):211-215. May 1965. 99.8 L56
- 36510 LAFFERS, A. On the task and performance of the commission for Slovak forest terminology. (Cz) Lesnicka Prace 44(2):84-85. Feb.1965. 99.8 L56
- 36511 LEATHART, P. S. The first volume. Quart. J. Forest. 60(1):35-39. Jan.1966. 99.8 Q2
Of the Quarterly Journal of Forestry.
- 36512 LEIBUNDGUT, H. The attitude towards forest as inheritance and duty; the cultural and spiritual development did not keep up with the technical development. (Ge) Holz-Zentbl. 92 (1):1-3. Jan.3,1966. 99.81 H742
- 36513 MACGREGOR, J. J. The ballad and the silvicultural song. Oxford Univ. Forest Soc. J. (ser.5)13:21-23. 1965. 99.9 Ox2
- 36514 MANTEL, K. Colloquial usage and language-historical derivation of the word "Forst." (Ge) Forst- Holzwirt 20(21):484-487. Nov.8,1965. 99.8 F7724
- 36515 MARKO, V. On the problem of incentives for forest labor. (Cz) Les [Bratislava] 21(1):12-14. Jan.1965. 99.8 L5632
- 36516 MARKOVIC, J. Need and possibilities of the introduction of permanent labor force on tree farms for the culture of poplars and willows. (Se) Topola 9(48/49):32-38. Jan./Mar.1965. 99.8 T62
French summary.
- 36517 MARTINU, M., and NOVAK, M. Forestry of Iraq. (Cz) Lesnicka Prace 44(4):176-183. Apr.1965. 99.8 L56
- 36518 MATEJKA, V. Forestry of Morocco. (Cz) Lesnicka Prace 44(8):361-365. Aug.1965. 99.8 L56
- 36519 MCCracken, E. The woodlands of Ulster in the early seventeenth century. Forester 5(1):8-16. July 1964. 99.8 F7635
Reprinted from the Ulster Journal of Archeology.
- 36520 MCGRATH, K. P. Approaches to the solution of the problem of future wood supply. Australian Forest. 29(3):199-207. Ref. Sept.1965. 99.8 Au74
- 36521 MITSCHERLICH, G. 140 years of the General Forestry and Hunting Journal [Allgemeine Forst-und Jagdzeitung]. (Ge) Allg. Forst-Jagdzeitung 136(12):269-270. Dec.1965. 99.8 AL3
English summary.
- 36522 MÜLLER, K. Character and problems of forest science. (Ge) Arch. Forstwesen 14(10): 1149-1159. Ref. 1965. 99.8 Ar22
English summary.
- 36523 NAGEL, G. The "functional employee" in view of the coming generation in forestry. (Ge) Allg. Forstz. 21(3):58-59. Jan.15,1966. 99.8 AL52
In reference to articles by Steinhardt.
- 36524 NEW YORK STATE COLLEGE OF FORESTRY, SYRACUSE UNIVERSITY. MOON MEMORIAL LIBRARY. List of serials in the library October, 1964. N. Y. State Coll. Forest. Syracuse Univ. Moon Mem. Libr. Bibliogr. Ser. Publ. 2, 55 p. 1964. 241.01 N48B

- 36525 NIGERIAN FORESTRY CONFERENCE, 1, KADUNA, 1964. Proceedings. Kaduna, 1964. 189 p., map. Ref. 99.9 N567
Theme: The role of the forestry in the economic development of the savanna areas of Nigeria.
- 36526 NQVOTNY, M. Application of mathematical method in the distribution of forests. (Cz) Lesnicka Prace 44(2):52-56, 87. Feb. 1965. 99.8 L56
- 36527 NOVOTNY, V. Scientific organization of forest labor. 2. (Cz) Lesnicka Prace 44(1):18-20. Jan. 1965. 99.8 L56
- 36528 NQVOTNY, V. Scientific organization of forest labor. 3. Starting with analysis. (Cz) Lesnicka Prace 44(2):65-68. Feb. 1965. 99.8 L56
- 36529 NOVOTNY, V. Scientific organization of forest labor. 4. Analysis of production process. (Cz) Lesnicka Prace 44(3):130-133. Mar. 1965. 99.8 L56
- 36530 NOVOTNY, V. Scientific organization of forest labor. 5. Analysis of the work. (Cz) Lesnicka Prace 44(4):169-175. Apr. 1965. 99.8 L56
- 36531 NOZICKA, J. From the history of Bohemian virgin forests. (Cz) Ziva 13(1):16-18. Jan. 1965. 409.6 Z6
- 36532 OKON, E. U. The establishment of timber plantations using departmental labour. Nigerian Forest. Conf. Proc., 1st Conf.:124-130. 1964. 99.9 N567
Cost aspects.
- 36533 OTT, J. Importance of proper determination of factors influencing technical performances. (Hu) Erdo 15(1):28-31. Jan. 1966. 99.8 Er22
German summary.
Productive capacity of forest labor.
- 36534 PARKAN, J. Forests and forestry of Guinea. (Cz) Lesnicka Prace 44(1):21-27, map. Jan. 1965. 99.8 L56
- 36535 POSPISIL, B. Development of forestry during twenty years and its outlook. (Cz) Lesnicka Prace 44(4):145-149. Apr. 1965. 99.8 L56
- 36536 RUCHEL, E. Data processing equipment in the forest information. (Rum) Rev. Padurilor 80(6):337-339. June 1965. 99.8 R327
- 36537 RUCICKA, V. Forestry of Sweden. I. (Cz) Lesnicka Prace 44(6):258-263. June 1965. 99.8 L56
- 36538 SCHROEDER, G. To several problems of forest science and practice during the scientific-technical revolution. (Ge) Sozialistische Forstwirtschaft. 15(11):321-325. Nov. 1965. 99.8 W143
- 36539 SCHUT, B. As old as the world. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(4):156-160. Apr. 1965. 12 N282
History of the oak.
- 36540 SCHWEIZERISCHER FORSTVEREIN. Technical sessions of the working groups at the yearly meeting. (Ge) Schweiz. Z. Forstwesen 116(10/11):846-890. Oct./Nov. 1965. 99.8 J82
Papers presented.
- 36541 SCHWEIZERISCHER FORSTVEREIN. Yearly report of the Swiss Forest Society of 1964/65. (Ge) Schweiz. Z. Forstwesen 116(10/11):908-915. Oct./Nov. 1965. 99.8 J82
- 36542 SIEGER, K. For clarification of basic concepts in the wood industry IV. "Forstwirtschaft" in German and foreign language usage. (Ge) Holz-Zentbl. 91(152):2639. Dec. 22, 1965. 99.81 H742
- 36543 SINGH, R. S. The aerial photograph as a tool in forestry. Indian Forest. 91(11):789-803. Ref. Nov. 1965. 99.8 In2
Various utilization.
- 36544 SLIVKA, J. Experiments with the new form of control of the quality of work in forestry. (Cz) Les[Bratislava] 21(2):54-55. Feb. 1965. 99.8 L5632
- 36545 SPURR, S. H. Michigan's forests over ten thousand years. Cranbrook Inst. Sci. News Lett. 35(4):52-54. Dec. 1965. 410.9 C85N
- 36546 STOURNAS, K. Fir seedlings. (Gre) Dassika Chron. 86(7):532-534. Dec. 1965. 99.8 D263
In literature.
- 36547 TERADA, K. The fundamental problems of labor organization in private forestry. (Ja) Forest Econ. 18(11):24-28. Nov. 1965. 99.8 R474
- 36548 TOMAR, M. S. A dynamic approach in forestry—some suggestions. Indian Forest. 91(10):697-700. Oct. 1965. 99.8 In2
Research programs.
- 36549 TORONTO UNIVERSITY. FACULTY OF FORESTRY. Annual report, 1964-65; forest research. Toronto, 1965. 12 p. 99.9 T632
- 36550 VASIC, M. Important problems of the forestry of Yugoslavia. (Se) Topola 9(50/51):2-5. Apr./June 1965. 99.8 T62
French summary.
- 36551 WEBSTER, R. J. Forestry beyond the arctic circle. Quart. J. Forest. 60(1):43-51. Jan. 1966. 99.8 Q2
Norway.
- 36552 WENCL, J. Results of a forest labor inquiry in Lower Austria. (Ge) Forstl. Bundesversuchsanst. Wien. Inform. 97, 4 p. In Allg. Forstzeitung 76(12). Dec. 1965. 99.8 AL53
- 36553 WICHT, C. L. Forestry research—elixir of the industry. S. Afr. Forest. J. 53:7-13. June 1965. 99.9 So82
- 36554 WRIGHT, H. L. Our journal; random thoughts by an ex-editor. Quart. J. Forest. 60(1):7-13. Jan. 1966. 99.8 Q2
- 36555 YAMAMOTO, K. Utilization of forests in the Heian era. (Ja) Forest Econ. 18(11):33-40. Ref. Nov. 1965. 99.8 R474
- 36556 ZACHAR, D. Twenty years of forestry research. (Cz) Lesnicka Prace 44(5):197-199. May 1965. 99.8 L56
- 36557 ZACHAR, D. Twenty years of forestry research in Slovakia. (Cz) Les [Bratislava] 21(10):289-292. Oct. 1965. 99.8 L5632
- 36558 ZICH, F. Scientific organization of forest labor. 7. Social problems and sociology. (Cz) Lesnicka Prace 44(6):267-271. June 1965. 99.8 L56

Education

- 36559 BARTUNEK, J. How efficient are graduates of forestry schools. (Cz) Lesnicka Prace 44(6):255-256. June 1965. 99.8 L56
- 36560 CASAMAJOR, P., ed. Forestry education at the University of California, the first fifty years. Berkeley, California Alumni Foresters, 1965. 422 p. SD254.C3
History of the School of Forestry.
- 36561 CHAMPION, H. G. Tropical forestry education. Duke Univ. Sch. Forest. Bull. 18:78-97. 1965. 99.9 D88
Includes discussion.
- 36562 CHARD, J. S. R. Forestry education for a wider field; educating the public. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:60-64. 1965. 99.9 So123
- 36563 FRIBERG, W. Forestry education in Malmohus Province. (Sw) Malmohus Lans Hushallningsallsk. Kvartalsskr. 2:231-235. 1965. 11 M29
- 36564 GAJDOS, J. A clear perspective and aim: higher qualifications. (Cz) Les [Bratislava] 21(11):332-335. Nov. 1965. 99.8 L5632
Forest education.
- 36565 GRUT, M. Professional forestry education in South Africa. S. Afr. Forest. J. 53:25-28. June 1965. 99.9 So82
- 36566 HARRISON, D. Some aspects of recruitment and training for graduate entry to private forestry. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:37-45. 1965. 99.9 So123
- 36567 HROMADA, E. Some problems of the education and employment of forest engineers. (Cz) Lesnicka Prace 44(2):68-71. Feb. 1965. 99.8 L56

- 36568 HRUŽIK, L. On some problems of the education of forest specialists. (Cz) *Lesnicka Prace* 44(3):100-103. Mar.1965. 99.8 L56
- 36569 JAMES, J. H. Training of foresters in the United Kingdom. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:20-28. 1965. 99.9 So123 Includes discussion.
- 36570 JEDŁOWSKI, D. Documents of 1646 and 1681 on first forestry school at Blato on the Island of Korcula. (Se) *Sumarski List* 89(3/4):159-164. Mar./Apr.1965. 99.8 Su6 Italian summary.
- 36571 JELINEK, C. On the education and performance of technical personnel of forestry. (Cz) *Lesnicka Prace* 44(6):253-254. June 1965. 99.8 L56
- 36572 KNEŽEVIC, N. The culture of forest trees as a curriculum in forestry schools. (Se) *Topola* 9(48/49):50-51. Jan./Mar.1965. 99.8 T62 French summary.
- 36573 KOSTES, D. Seminar for education of foresters held at National Hestia. (Gre) *Dassika Chron.* 86(7):504-506. Dec.1965. 99.8 D263
- 36574 KRISTEK, J. Twenty years of the scientific and research activity of the School of Forestry of the University of Agriculture [Vysoka Skola Zemedelska, Lesnicka Fakulta] at Brno in liberated country. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnicke* 2:65-67. 1965. 105.92 B833
- 36575 MATTHEWS, J. D. Education of forest officers. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:29-36. 1965. 99.9 So123
- 36576 MCEWEN, J. Education of foresters. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:10-14. 1965. 99.9 So123
- 36577 MOBBS, E. C. Forestry education for the wider field. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:52-59. 1965. 99.9 So123
- 36578 PYMAN, A. G. Further education in forestry at farm institute level. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:18-19. 1965. 99.9 So123
- 36579 SHIRLEY, H. L. Professional education in forestry; with special reference to its organization in developing countries. *Lumberman [Manila]* 11(5):6-B,8,10,12,14,16. Aug./Sept. 1965. 99.81 L9793
- 36580 SOCIETY OF FORESTERS OF GREAT BRITAIN. Education in British forestry; report of the fifth discussion meeting, Cirencester, January 8-10, 1965. Oxford Univ. Press, 1965. 74 p. 99.9 So123
- 36581 UHLÍŘ, J. Twenty years of forestry education at Trutnov Central School of Forestry [Střední Lesnická Technická Škola]. (Cz) *Lesnicka Prace* 44(9):385-387. Sept.1965. 99.8 L56
- 36582 VOYSEY, J. C. The education of forest officers as seen by one of them. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:46-51. 1965. 99.9 So123 Includes discussion.
- 36583 WATSON, R. H. Education of foresters in Scotland. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:15-17. 1965. 99.9 So123
- 36584 WORKMAN, J. Forestry education for a wider field; educating the outside world. Soc. Forest. Great Brit. Rep., 5th Discuss. Meeting:65-72. 1965. 99.9 So123 Includes discussion.
- 36585 ZASMETA, V. Some problems of the education of forest specialists. (Cz) *Lesnicka Prace* 44(5):215-217. May 1965. 99.8 L56
- Policies, Programs, Administration**
- 36586 BAZAN P., F. International cooperation in forest development in Latin America. *Duke Univ. Sch. Forest. Bull.* 18:181-193. 1965. 99.9 D88
- 36587 BLUDOVSKY, Z. Preparing new Five-Year Plan for forestry. (Cz) *Lesnicka Prace* 44(6):241-243. June 1965. 99.8 L56
- 36588 BRITISH COMMONWEALTH FORESTRY CONFERENCE, 8, NAIROBI, 1962. East African contributions, edited by T. Jones. *East Afr. Afr. Forest. J.* 30(4):351-397, map. Ref. Apr. 1965. 24 Ea74 Papers dealing with forest policy.
- 36589 BUSBY, J. A. Forestry Commission working plans compared with the working plans in Northern Ireland. *Forester* 5(1):18-21. July 1964. 99.8 F7635
- 36590 DILLER, O. D. The practice of forest conservation. In Smith, G. H., ed. *Conservation of natural resources*, ed.3, p.215-231. Ref. 1965. HC103.7.S56
- 36591 FERNANDEZ, E. B. Forest conservation in mangrove for licensing purposes. *Lumberman [Manila]* 11(6):36,38. Oct./Nov.1965. 99.81 L9793
- 36592 GAMMONS, R. L. Forestry in Washington, County, Maine. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:65-69. A281.9 N44 Rural Areas Development Program.
- 36593 GRITSKEVICH, A. G. Administrative structure of forest and forest industries establishments. (Rus) *Les. Prom.* 3:29-30. Mar.1965. 99.82 L56
- 36594 JACQUIOT, C. Threats to the artistic reserves of Fontainebleau. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(13):906-908. Oct.6/13, 1965. 14 P215Bc Forest conservation.
- 36595 KIRSCHFELD, P., and AMMER, U. Forestry and land use planning in Baden-Württemberg. (Ge) *Allg. Forst- Jagdzeitung* 137(1):13-23, map. Jan.1966. 99.9 AL3 English summary. In relation to regional planning.
- 36596 MAURITIUS. FOREST DEPT. Annual report for the year 1964. Port Louis, 1965. 26 p. 99.9 M44
- 36597 MICHIGAN. DEPT. OF CONSERVATION. Twenty-second biennial report 1963-1964. Lansing, 1964. 208 p. 279.9 M58 Includes work of the Forest Fire, Forestry, and Lands Sections.
- 36598 NIEMANN, Promoting private forests in Westphalia-Lippe by public means since 1949. (Ge) *Forst- Holzwirt* 21(1):1-5. Jan.8, 1966. 99.8 F7724
- 36599 OGBE, G. A. E. Effectiveness and limitations of international programs in Nigeria. *Duke Univ. Sch. Forest. Bull.* 18:177-181. 1965. 99.9 D88
- 36600 QUEENSLAND. DEPT. OF FORESTRY. Annual report for the year 1964-65. Brisbane, 1965. 99.9 Q312
- 36601 REINA, A. Domain forests. (It) *Agricoltura* 14(7):68-75. Ref. July 1965. 16 Ag8226 Policies.
- 36602 REINA, A. National forests. (It) *Mercanzia* 21(1):17-22. Jan.1966. 287 B635 Policy.
- 36603 REPUBLIC OF SOUTH AFRICA. DEPT. OF FORESTRY. Annual report for the year ended 31st March, 1963. Pretoria, 1965. 49 p. 99.9 So84R
- 36604 ROBERT, J. F. The outline of a forestry policy. (Fr) *Schweiz. Z. Forstwesen* 117(1):1-15. Jan.1966. 99.8 J82 German summary.
- 36605 SHINOURA, K. Some problems of cooperative work in forestry. (Ja) *Forest Econ.* 18(11):7-23, 32. Nov.1965. 99.8 R474
- 36606 SKALTSAS, P., and ARGYRES, A. Forester in the great technical battle for modernization of mountainous areas in Greece. (Gre) *Dassika Chron.* 86(7):507-510. Dec.1965. 99.8 D263 Conservation.

- 36607 SPAIN. DIRECCION GENERAL DE MONTES, CAZA Y PESCA FLUVIAL. Memoria sobre las actividades de este centro en el año 1964 [Report of activities of this agency for the year 1964]. Madrid, 1965. 175 p. 99.9 Sp12
- 36608 SWEDEN. DOMANSTYRELSEN. Domanverket [The National Board of Crown Forests and Lands]. Stockholm, 1965. 164 p. 99.9 Sw33
Table of contents, some table headings and summary also in English.
- 36609 UTLEG, J. L. Cooperative organizations among small licencees. Lumberman [Manila] 11(5):35-36. Aug./Sept.1965. 99.81 L9793
- 36610 A WILDERNESS plan for the Smokies. Living Wilderness 29(89):32-36, map. Summer 1965. 410 L76

Legislation and Taxation

- 36611 KAUSCH, W., and SCHMELING. The importance of surplus value tax for forestry. (Ge) Forst- Holzwirt 20(24):560-563. Dec.28,1965. 99.8 F7724
- 36612 KLIR, J. Forestry legislation of Czechoslovakia. (Cz) Lesnicka Prace 44(1):33-34. Jan. 1965. 99.8 L56
- 36613 LIVING WILDERNESS. Special issue; a handbook on the Wilderness Act. Living Wilderness 86:3-47, map. Spring/Summer 1964. 410 L76
- 36614 THE PRACTICE of forestry profession in the Philippines. Lumberman [Manila] 11(4):41-43. June/July 1965. 99.81 L9793
Legislation.

Forest Description and Resources

- 36615 AMBROS, J. Wood supply of the future. (Cz) Drevo 20(7):263-264. July 1965. 99.82 D81
Forest resources of Finland, Japan and Australia.
- 36616 COUSENS, J. E. Oak population studies. V. Quercus robur L. populations on flood-plain sites in Yugoslavia. Great Brit. Forest. Comm. Rep. Forest Res. 1964:124-126. 1965. 99.9 G795Re
- 36617 COWLIN, R. W. The timber situation and outlook for northwest Oregon. U. S. Forest Serv. Resource Bull. PNW -12,56 p., map. Ref. 1965. A99.9 F7625Un
- 36618 DILLER, O. D. Our forest resources. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.199-214, map. Ref. 1965. HC103.7.S56
- 36619 FERGUSON, R. H., and JENSEN, V. S. The timber resources of New Hampshire. U. S. Forest Serv. Resource Rep. NE-1,46 p., map. 1963. A99.9 F7622Uf
- 36620 HANGANU, C. Stands of Picea abies in Buzau Mountains. (Rum) Rev. Padurilor 80(6):339-340. June 1965. 99.8 R327
- 36621 HOWARD, W. J. A description of some of the surveys carried out by the Savanna Investigation Unit. Nigerian Forest. Conf. Proc., 1st Conf.:71-80. 1964. 99.9 N567
- 36622 KOKES, O. Picea omorika in Czechoslovakia. (Cz) Ziva 13(2):52-55. Ref. Mar.1965. 409.6 Z6
- 36623 MALCOLM, D. C. Oak population studies. VI: Oak surveys in Scotland. Great Brit. Forest. Comm. Rep. Forest Res. 1964:127-129. 1965. 99.9 G795Re
- 36624 MERENDI, A. Mexican pines. (It) Ital. Agr. 102(7):589-598. July 1965. 16 It1
Species and possibilities in Italy.
- 36625 POHORELY, M. New public maps and their utilization for forest mapping. (Cz) Lesnicka Prace 44(1):27-29. Jan.1965. 99.8 L56
- 36626 SOKOL, A. The larch of Saris. (Cz) Les [Bratislava] 21(10):306-309. Oct.1965. 99.8 L5632

- 36627 SWEDEN. SKOGSSTYRELSEN. Skogsstatistisk arsbok [Statistical yearbook of forestry], 1963-64. Stockholm, 1965. 246 p., map. 99.83 Sw3
Table of contents and table heading also in English.
- 36628 WOLFF, G., and REINHOLD, A. Burning problems of growing stock inventories in tropical and subtropical forest regions. 2. (Ge) Arch. Forstwesen 14(10):1079-1102. Ref. 1965. 99.8 Ar22
English summary.
- 36629 YARHAM, E. R. The forests of New Zealand. Indian Forest. 91(10):694-696. Oct.1965. 99.8 In2

FOREST MANAGEMENT AND FINANCE

- 36630 ADEKUNLE, A. O. A conversion system for the management of coppiced teak plantations. Nigerian Forest. Conf. Proc., 1st Conf.:9-11. 1964. 99.9 N567
Tectona grandis.
- 36631 ALI, I. B. H. The impact of land development on forest reservation and management in Selangor. Malayan Forest 28(4):264-270. Oct. 1965. 99.8 M292
- 36632 BENJAMIN, M. M. Managing the Tararua Forest Park. New Zeal. J. Forest. 10(2):185-193. 1965. 99.8 C162
- 36633 BISSELL, L. P. The Extension Service and tree farming. Northern Logger 14(4):18-19, 35-36. Oct.1965. 99.81 N812
In Maine.
- 36634 BLUDOVSKY, Z. A contribution to the study of better economic management of forests. (Cz) Lesnicka Prace 44(3):97-100. Mar.1965. 99.8 L56
- 36635 BLUM, B. M., and FILIP, S. M. An on-the-ground demonstration of northern hardwood timber management. Forest Notes 86:16-19, map. Summer 1965. 99.8 F7691
- 36636 BOOG, W. Development of cooperative relations between the national forest holdings and the cooperative forest economies of the LPG. (Ge) Z. Agrarikon. 8(12):381-383. 1965. 281.8 Z3
- 36637 CHISHOLM, A. H. Criteria for determining the optimum replacement pattern. J. Farm Econ. 48(1):107-112. Feb.1966. 280.8 J822
With particular reference to costs and returns of growing timber.
- 36638 CORNIDES, GY. Relations between forest management and forest exploitation planning. (Hu) Erdogazdasag Faipar 20(1):15-16. Jan.1966. 99.8 Er2
- 36639 DAVIDEANU, N., and PODARIU, N. Some aspects of the reduction of forestry costs performed by the regional administration of forest economies at Iasi. (Rum) Rev. Padurilor 80(9):457-463. Sept.1965. 99.8 R327
- 36640 DICKINSON, J. C. Forest use in a Mexican ejido: extra-legal aspects. Assoc. Amer. Geog. Ann. 55(4):612-613. Dec.1965. 500 As73
Forest management in Mexico.
- 36641 DISSESCU, R. Data processing equipment in forest management. (Rum) Rev. Padurilor 80(9):481-484. Sept.1965. 99.8 R327
English summary.
- 36642 DOLEZAL, B. Current problem of the concept of "economic group" in the socialist forest management. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnicke 2:111-129. Ref. 1965. 105.92 B833
English summary.
- 36643 DOLEZAL, B. Who is really a forest manager? (Cz) Lesnicka Prace 44(9):389-391. Sept.1965. 99.8 L56
- 36644 EFLER, J. Organization and work management in small size and coppice forests. (Cz) Lesnicka Prace 44(8):346-349. Aug.1965. 99.8 L56

- 36645 FISHWICK, R. W. Some Sudan zone plantation problems. Nigerian Forest. Conf. Proc., 1st Conf.:34-58. 1964. 99.9 N567
Forest management and silviculture.
- 36646 FREHNER, H. K. Management results in the St. Gallen forests since 1939. (Ge) Wald Holz 47(5):159-162. Jan.1966. 99.8 W14
Economic aspects.
- 36647 FRICK, A. Principles for mountain forest planning. (Ge) Wald Holz 47(5):154-158. Jan. 1966. 99.8 W14
- 36648 FRYE, J. Hardwood timber study aims at sustained yield management. Southern Lumberman 212(2636):28,30. Feb.15,1966. 99.81 So82
- 36649 GRUBEL, Make way for the beech; is the beech really a hopeless orphan of forestry and lumber industry? (Ge) Holz-Zentbl. 91(150): 2607-2608. Dec.17,1965. 99.81 H742
Economic aspects of beech culture.
- 36650 GUTSCHE, H. J. On the platform speech on rationalization in forestry. (Ge) Forst-Holzwirt 20(21):482-484. Nov.8,1965. 99.8 F7724
In reference to Bonnemann's article.
- 36651 HORVATH, J., and CAIJSER, T. New method for yield planning and profit sharing in the forestries. (Hu) Erdogazdasag Faipar 19(12): 1-2. Dec.1965. 99.8 Er2
- 36652 HORVATH, MRS. L. I. The role of rotary cultivators in the mechanization of forestry. (Hu) Erdo 15(1):23-27. Jan.1966. 99.8 Er22
German summary.
- 36653 ITALY. DIREZIONE GENERALE ECONOMIA MONTANA E FORESTE. Mountain forestry management in Italy. (It) Collana Verde 19: 269-273. 1964. 99.8 C68
Text also in German, p.274-279.
- 36654 JAIYESIMI, A. K. The role of savanna woodland in the economic development of Western Nigeria. Nigerian Forest. Conf. Proc., 1st Conf.:88-92, map. 1964. 99.9 N567
- 36655 KASAN, J. Is the application of main principles of the new planned management in forestry possible or necessary? (Cz) Lesnicka Prace 44(8):340-344. Aug.1965. 99.8 L56
- 36656 KASAN, J. Possibilities of the application of principles of improved planned management in forestry. (Cz) Lesnicka Prace 44(2):57-59. Feb.1965. 99.8 L56
- 36657 LOBINA, L. Forest administration and the harvesting, drying and distribution of forest seeds. (It) Collana Verde 19:34-46. 1964. 99.8 C68
Text also in German, p.47-57.
- 36658 MARGVELASHVILI, N. S. Lesoustroistvo [Forest management]. Tbilisi, Ganatleba, 1965. 238 p. Ref. SD431.M3
Text in Georgian.
- 36659 MARKOVIC, J. The role and necessity of the experimental study of the application of mechanization and effective work organization in the culture of poplars and willows on tree farms. (Se) Topola 9(50/51):24-25. Apr./June 1965. 99.8 T62
French summary.
- 36660 MARKUS, L. Grouping of our forestry establishments and forestries for economical comparative studies. (Hu) Erdo 14(12):560-566, map. Dec.1965. 99.8 Er22
German summary.
- 36661 MERENDI, A. Forestry can yield a return; survey conducted on 65,000 hectares in Italy. (It) G. Agr. 76(3):25. Jan.16,1966. 16 It1G
Management and financial returns.
- 36662 MORITA, M. On the forestry at Yamaguni in Kyoto Prefecture. (Ja) Forest Econ. 18(11): 29-32. Nov.1965. 99.8 R474
Management.
- 36663 NAKAYAMA, T. National forest management and public corporations. (Ja) Forest Econ. 18(11):1-6. Nov.1965. 99.8 R474
- 36664 PAPANEK, F. Territorial division of forestry in relation to forest industries. (Cz) Lesnicka Prace 44(1):3-6, map. Jan.1965. 99.8 L56
Includes specialization.
- 36665 PASZTOR, L. How long is it economical to keep Quercus cerris? (Hu) Erdo 14(12):557-560. Dec.1965. 99.8 Er22
German summary.
- 36666 PELCNER, J. For a higher scientific character of planning. (Cz) Les [Bratislava] 21(4): 117-120. Apr.1965. 99.8 L5632
Includes forestry.
- 36667 RACKO, J. Perspectives of the further use of aerial photography in the forest management. (Cz) Les [Bratislava] 21(10):301-303. Oct. 1965. 99.8 L5632
- 36668 RICHTER, Spruce management in community forest of the middle and high Sauerland. (Ge) Forst-Holzwirt 21(1):18-24. Jan.8,1966. 99.8 F7724
- 36669 ROHRIG, E. The forests of Cyprus in past and present. (Ge) Forst-Holzwirt 20(24):556-560, map. Ref. Dec.28,1965. 99.8 F7724
Management.
- 36670 RUPRICH, J. Possibilities of the application of principles of improved planned management in forestry. (Cz) Lesnicka Prace 44(5):200-202. May 1965. 99.8 L56
- 36671 SABACKY, V. Application of the improved system of management in forestry. (Cz) Lesnicka Prace 44(6):244-249. June 1965. 99.8 L56
- 36672 SAMAJ, J. Performance problems in the forests under professional management in the Ky-suce region. (Cz) Les [Bratislava] 21(9):263-265. Sept.1965. 99.8 L5632
- 36673 SARGENT, K. The role of tropical forestry in economic development with particular reference to forest policy, administration, and legislation. Duke Univ. Sch. Forest. Bull. 18:98-133. 1965. 99.9 D88
Includes discussion.
- 36674 SCHMIDT, K. Operative planning in forestry. (Ge) Sozialistische Forstwirtschaft. 15(10):289-291. Oct.1965. 99.8 W143
- 36675 SEYMOUR, W. The changing emphasis in private forestry. Quart. J. Forest. 60(1):14-23. Jan.1966. 99.8 Q2
Management, chiefly.
- 36676 SOCHER, H. The farm community forest (registered forest) in Burgenland. (Ge) Allg. Forstzeitung 77(1):4-6. Jan.1966. 99.8 AL53
- 36677 STEINLIN, H. The tasks of managers in modern forest management. (Ge) Allg. Forstzeitung 77(1):1-4. Jan.1966. 99.8 AL53
- 36678 SULLIVAN, B. The forests of Great Britain. (Ge) Forst-Holzwirt 20(24):552-554,556. Dec.28,1965. 99.8 F7724
Chiefly on forest management.
- 36679 THOMSON, A. P., and RED, J. S. Better utilization of existing forest resources. New Zeal. J. Forest. 10(2):221-233. 1965. 99.8 C162
- 36680 TORONDY, K. Study of the forest stand in the forestry of Eszackzala with emphasis on maximal value production. (Hu) Erdo 15(1):12-16. Jan.1966. 99.8 Er22
German summary.
- 36681 TOTH, K. Five-year experiences with the new silvicultural accounting order in the forestry of Kiskunsag. (Hu) Erdo 15(1):5-9. Jan.1966. 99.8 Er22
German summary.
- 36683 WARDLE, P. A. Management and operational research: a linear programming study. Great Brit. Forest. Comm. Rep. Forest Res. 1964: 200-210. 1965. 99.9 G795Re

- 36684 WHIPPLE, S. D., and WHITE, E. H. Improving mixed hardwood stands. Highlights Agr. Res. [Ala. Sta.] 12(4):15. Winter 1965. 100 AL1H
- 36685 WILD. Forestry problems of Sauerland. (Ge) Forst- Holzwirt 21(1):6-12, map. Jan. 8, 1965. 99.8 F7724
Includes rationalization.
- 36686 WOERNER, E. Die Bedeutung des Hofübergangs für den Wald im Bereich des geschlossenen Hofguts des Schwarzwaldes [The importance of farm transfers for the forest in the sphere of undivided farm estates of Schwarzwald]. Baden-Württemberg. Landesforstverwaltung. Schriftenreihe 20, 118 p., map. Ref. 1965. 99.9 B143
- 36687 ZELLER, E. Forest management in the Thurgau Canton. (Ge) Schweiz. Z. Forstwesen 116 (10/11):795-815. Oct./Nov. 1965. 99.8 J82
- 36688 ZÜRCHER, U. Die Idee der Nachhaltigkeit unter spezieller Berücksichtigung der Gesichtspunkte der Forsteinrichtung [The concept of sustained yield with special emphasis on forest management aspects]. (Ge) Schweiz. Anst. Forstl. Verswesen. Mitt. 41(4):91-218. Ref. 1965. 99.9 Sch92
English summary.
- Farm Woodlands**
- 36689 BOOG, W. About the situation and development of farm forestry in western Germany. (Ge) Sozialistische Forstwirtschaft. 15(11):325-330. Nov. 1965. 99.8 W143
English summary inside back cover.
- 36690 BREITHAUPT, G. The economic importance of LPG forestry. (Ge) Z. Agrarök. 8(7):208-210. 1965. 281.8 Z3
- 36691 KOCH, W. Mechanization in farm woodland operations. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):35-38. Jan. 13, 1966. 18 N39
- 36692 OLMSTED, N. W. New York forester sees major changes in woodland management. Northern Logger 14(5):10-11, 30-31. Nov. 1965. 99.81 N812
- 36693 RIEDEL, F. Land consolidation of farm forest-demonstrated in consolidation experiments at Feldbecke. (Ge) Forst- Holzwirt 21(1):12-18, map. Jan. 8, 1966. 99.8 F7724
- Mensuration, Surveying, Photogrammetry**
- 36694 ACKERL, F. On the correlation of factors taken from aerial photos for the determination of wood volume in forest stands. (Ge) Allg. Forstzeitung 77(1):9-10. Jan. 1966. 99.8 AL52
Photogrammetry.
- 36695 ANAGNOSTOPOULOS, D. Reciprocal photography; a special case of terrestrial photogrammetry. (Gre) Dassika Chron. 86(7):513-522. Dec. 1965. 99.8 D263
English summary.
Possible application of the method in forests.
- 36696 BUD, N. Stands of Castanea sativa Mill. in the forest district Cehu-Silvaniei. (Rum) Rev. Padurilor 80(5):245-252, map. May 1965. 99.8 R327
Growth and measurement.
- 36697 CANTIANI, M. Yield tables of Pseudotsuga menziesii in Toscana. (It) Ital. Forest. Mont. 20(5):198-225, map. Ref. Sept./Oct. 1965. 99.8 It12
French summary.
- 36698 CORONA, E. Analogue between dendrometrics and optics. (It) Ital. Forest. Mont. 20(5):229-231. Sept./Oct. 1965. 99.8 It12
French summary.
Mensuration research method.
- 36699 CUNIA, T. Continuous forest inventory, partial replacement of samples and multiple regression. Forest Sci. 11(4):480-502. Dec. 1965. 99.8 F7632
- 36700 DAWKINS, H. C. Point-sampling by angle-gauge: a simple approach. Oxford Univ. Forest Soc. J. (ser. 5) 13:28-35. 1965. 99.9 Ox2
Mathematical approach.
- 36701 FRAUENDORFER, R., and ECKHART, G. Leistungsuntersuchungen für Walddtypen in Mischbeständen des Waldviertels. Performance studies for forest types in mixed stands of the "Waldviertel." Mitt. Forstl. Bundes-Versuchsanst. Mariabrunn 69, 155 p., map. 99.8 M69
English summary.
In relation to site classes.
- 36702 FUJIMOTO, K. Studies on the method of analysis of tree growth. 3. On the stem analysis using cross sections in an ordinary log-making. 1. Estimation of breast-height diameter. (Ja) Ehime Univ. Coll. Agr. Forest. Bull. 3:3-15. Sept. 1965. 99.9 Eh3
English summary.
- 36703 GANGULI, B. N. The application of photogrammetry and photo interpretation in Indian forestry. Indian Forest. 91(12):851-857. Dec. 1965. 99.8 In2
- 36704 GILBERT, A. M. Stand differentiation ability in northern hardwoods. U. S. Forest Serv. Res. Paper NE-37, 34 p. Ref. 1965. A99.9 F7622Un
Chiefly mensurational studies of sugar maple (Acer saccharum), yellow birch (Betula alleghaniensis), and paper birch (Betula papyrifera).
- 36705 GURGIU, R., and FLORESCU, I. Volume and structure of different varieties of natural and cultivated Larix in Rumania. (Rum) Rev. Padurilor 80(9):453-457. Sept. 1965. 99.8 R327
French and German summary.
- 36706 GREGUS, C. Increment records. (Cz) Les [Bratislava] 21(7):205-208. July 1965. 99.8 L5632
- 36707 GRILZ, J. The status of some poplar clones in the study forest of the Federal Technical College (Eidgenössische Technische Hochschule). (Ge) Schweiz. Z. Forstwesen 117(1):53-59. Jan. 1966. 99.8 J82
Measurements.
- 36708 HALL, G. S. Wood increment and crown distribution relationships in red pine. Forest Sci. 11(4):438-448. Ref. Dec. 1965. 99.8 F7632
- 36709 HERPKA, I. Timber production of three year old poplar seedlings. (Se) Topola 9(48/49):16-29. Jan./Mar. 1965. 99.8 T62
English summary.
Populus euroamericana.
- 36710 HIGUCHI, S. On the results of investigations of some Acacia mollissima plantations. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:1-7, map. Ref. Mar. 1963. 99.9 F95
English summary.
Growth and yields.
- 36711 JUDSON, G. M. Diameter growth of Alabama timber. Pulpwood Prod. Saw Mill Logging 13 (6):28. June 1965. 99.81 P96
Hardwoods.
- 36712 JUST, F., and VEJSADA, J. Mechanization of the forest mensuration. (Cz) Lesnicka Prace 44(5):229-233. May 1965. 99.8 L56
- 36713 KASHLEV, V. F. New instrument, triangular dendrometer to measure tree height and size of crowns. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:431-435. 1965. 20 M857
- 36714 KULCSAR, V. Exploitation value of poplar stands. (Hu) Erdo 14(12):540-545. Dec. 1965. 99.8 Er22
German summary.
Timber cruising.
- 36715 LAER. Once again: the accuracy of volume determination according to the "series experiment." (Ge) Forst- Holzwirt 20(21):480. Nov. 8, 1965. 99.8 F7724

- 36716 LEAK, W. B. The J-shaped probability distribution. *Forest Sci.* 11(4):405-409. Dec.1965. 99.8 F7632
Tree diameter research.
- 36717 LIU, S. H., CHEN, S. F., and HSIEH, S. W. Yield tables of China-fir in Taiwan (*Cunninghamia lanceolata* Hook.). (Ch) *Taiwan Forest. Res. Inst. Bull.* 104:1-39. Nov.1964. 99.9 F7652
English summary.
- 36718 LUX, H. Results of studies on increment (analyses of borer cores) in a forest region damaged by smoke (Duebener Heide). (Ge) *Arch. Forstwesen* 14(10):1103-1121. Ref. 1965. 99.8 Ar22
English summary.
- 36719 MARIN, J. Investigation on the production of some resinous species in the Bas-Rhin Department. (Fr) *Rev. Forest. Franc.* 71(11):734-749. Nov.1965. 99.8 R329
Rapidity of growth and total volume.
- 36720 MARSCHALL, J. Spruce growth in pure and mixed stand. (Ge) *Allg. Forstzeitung* 77(1):7-9. Jan.1966. 99.8 AL53
- 36721 MIKE, ZS. Inclination measurement and soil erosion study with stereotop. (Hu) *Erdo* 14(12):535-540. Dec.1965. 99.8 Er22
German summary.
Photogrammetry.
- 36722 MOSCHER, M. M. The growth of larch [*Larix occidentalis*] in northeastern Washington. *Wash. Agr. Exp. Sta. Sta. Circ.* 456,6 p. Dec. 1965. 100 W27S
- 36723 NAGAHAMA, M. Studies on the prediction of growth of sugi (*Cryptomeria*) races. I. On the prediction of height growth. (Ja) *Fukuoka-ken Forest Exp. Sta. Bull.* 16:45-59. Mar.1963. 99.9 F95
English summary.
- 36724 NEWNHAM, R. M. The development of a stand model for Douglas fir. *Diss. Abs.* 26(7):3567-3568. Jan.1966. 241.8 M58
Growth.
- 36725 NYMBURSKY, B., and REHAK, J. Czechoslovak mensuration tables. (Cz) *Lesnicka Prace* 44(8):344-346. Aug.1965. 99.8 L56
- 36726 PETRISOR, I., and TANASESCU, S. *Populus tremula* L. in the forest district of Craiova. (Rum) *Rev. Padurilor* 80(6):322-325. June 1965. 99.8 R327
Chiefly growth.
- 36727 PIOVARCI, V. Accuracy and economy of tree mensuration on experimental plots. (Cz) *Les [Bratislava]* 21(2):42-43. Feb.1965. 99.8 L5632
- 36728 PLAUSIC, M. Measurement, growth and fitness for harvesting of *Fraxinus angustifolia* stands. (Se) *Sumarski List* 89(1/2):17-29. Ref. Jan./Feb.1965. 99.8 Su6
German summary.
- 36729 PRANJIC, A. Correlation analysis between diameter of trunks, crown diameter, height, and volume in a number of types of fir [*Abies alba*] and narrow-leaved ash [*Fraxinus angustifolia*] forests. (Se) *Sumarski List* 89(1/2):58-60. Jan./Feb.1965. 99.8 Su6
English summary.
- 36730 REYES, C. A commercial volume table for Benguet pine (*Pinus insularis* Endl.) based on alignment chart. *Philippine J. Forest.* 17(3/4):157-177. Third/Fourth Q.1961,pub.1965. 99.8 P53
- 36731 ROY, F. X. Logarithms and possibility. (Fr) *Rev. Forest. Franc.* 71(11):768-772. Nov.1965. 99.8 R329
Forest mensuration.
- 36732 SANDRASEGARAN, K. A note on the growth of *Shorea guiso* (Blanco) Bl. (membatu). *Malayan Forest* 28(4):320-325. Oct.1965. 99.8 M292
- 36733 SOEST, J. VAN, and others. Recommendations on the standardization of symbols in forest mensuration. Ed. 2. Maine. Agr. Exp. Sta. Tech. Bull. 15,32 p. 1965. 100 M28B
P. Ayrat, R. Schober, and F. C. Hummel, joint authors.
Text also in French and German.
Recommendations made by International Union of Forest Research Organizations.
- 36734 TOMAC, Z. Diameter as indicator of fitness for logging. (Se) *Sumarski List* 89(1/2):49-51. Jan./Feb.1965. 99.8 Su6
- 36735 VAS, Z. Exploitation value and value increase of *Robinia* stands. (Hu) *Erdo* 14(12):545-551. Dec.1965. 99.8 Er22
German summary.
Timber cruising.
- 36736 VESSEY, T. Planning of the industrial wood percentage. (Hu) *Erdo* 14(12):552-556. Dec. 1965. 99.8 Er22
German summary.
Includes discussion by A. Derfoldi.
- 36737 WENK, G. Angle measuring method, a new experiment in growing stock inventory. (Ge) *Sozialistische Forstwirtschaft.* 5,i.e.15(8):251-253. Aug.1965. 99.8 W143
English summary, p. 256.
- 36738 WENK, G. Height increment of pine in several site groups of the state forests of Nedlitz and Eberswalde. (Ge) *Sozialistische Forstwirtschaft.* 15(10):302-304. Oct.1965. 99.8 W143
English summary back inside cover.
- 36739 YAMAHATA, K. Studies on the selection forest of akamatsu (*Pinus densiflora*) in Kikuma cho. 10. Time of passage in the stand owned by Mr. Ishiyama. Ehime Univ. Coll. Agr. Forest. Bull. 3:16-21. Sept.1963. 99.9 Eh3
English summary.
Growth studies.

Silviculture

- 36740 AARON, J. R. Studies on the mineral nutrient status of heather, *Calluna vulgaris*. Great Brit. Forest. Comm. Forest Rec. 53,22 p. Ref. May 1964. 99.9 G795Fo
As a guide to the fertility of site for tree growth.
- 36741 ASIDDAO, F., and NASTOR, M. Silvical characteristics of smooth narra (*Pterocarpus indicus* Willd.). *Philippine J. Forest.* 207-214. Ref. Third/Fourth Q.1961,pub.1965. 99.8 P53
- 36742 BABOS, I. Mapping forest sites for silvicultural purposes. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:101-103. 1965. 20 M57
In Hungary.
- 36743 BINNS, W. O., and others. Forest soils. Great Brit. Forest. Comm. Rep. Forest Res. 1964:48-52. 1965. 99.9 G795Re
W. H. Hinson, R. Kitching, and D. F. Fourn, joint authors.
- 36744 BOTEZAT, T., and ACHIMESCU, C. On the cultural practices of spruce stands. (Rum) *Rev. Padurilor* 80(6):316-319. June 1965. 99.8 R327
- 36745 BURA, D. Tree farm culture of poplars and willows in Italy. (Se) *Topola* 9(50/51):7-23. Apr./June 1965. 99.8 T62
French summary.
- 36746 CALORTSCHER, H. The mountain problems. (Ge) *Schweiz. Z. Forstwesen* 116(10/11):846-853. Oct./Nov.1965. 99.8 J82
Silviculture.
- 36747 CIZEK, J. Improvement cutting of forests. (Cz) *Lesnicka Prace* 44(1):15-17. Jan.1965. 99.8 L56
- 36748 DABRAL, B. G., YADAV, J. S. P., and SHARMA, D. R. Soil moisture studies in chir-pine, [*Pinus roxburghii*] teak [*Tectona grandis*] and sal [*Shorea robusta*] plantations at New Forest, Dehra Dun. *Indian Forest.* 91(10):701-713. Oct.1965. 99.8 In2

- 36749 DEKANIC, I. Growth on tree farms of varieties of *Populus euroamericana* under the same regime of underground waters on alluvial soils of Drava River. (Se) Topola 9(48/49): 2-15. Jan./Mar.1965. 99.8 T62
French summary.
- 36750 EDWARDS, M. V., and others. Silvicultural investigations. Great Brit. Forest. Comm. Rep. Forest Res. 1964:20-39. 1965. 99.9 G795Re
R. M. G. Semple, W. O. Binns, S. A. Neustein, J. Jobling, A. I. Fraser, J. Atterson, D. W. Henman, M. Nimmo, R. Lines, A. F. Mitchell, and J. R. Aldhous, joint authors.
- 36751 GENTLE, S. W. Profitable forestry on a poor site. Forest Timber 3(2):2-4. Nov.1965. 99.8 F7634
- 36752 GHIMESSY, L., and VICZE, E. Evodia (*Rutaceae*) varieties. (Hu) Erdogazdasag Faipar 19(12):14-15. Dec.1965. 99.8 Er2
Culture.
- 36753 GIACOBBE, A. Douglas and white fir of the Appennins. (It) Ital. Forest. Mont. 20(5):226-228. Sept./Oct.1965. 99.8 It12
French summary.
Culture.
- 36754 GOEBEL, N. B., BRUNER, M. H., and SHEARIN, A. T. Conversion of low quality hardwood stands on the Clemson Forest. S. C. Agr. Exp. Sta. Forest Res. Ser. 15, 20 p. Oct.1965. 99.9 So832
- 36755 HANCINSKY, L. Application of forest typology to establishment tree-species composition in mature and regeneration stands. (Cz) Les [Bratislava] 21(2):36-38. Feb.1965. 99.8 L5632
- 36756 HAUDENSCHILD, W. From the silvicultural practice of Switzerland (problems of the artificial pure spruce stands in the middle land). (Ge) Schweiz. Z. Forstwesen 116(10/11):863-868. Oct./Nov.1965. 99.8 J82
- 36757 HOYLE, M. Forest soils in the White Mountains. Forest Notes 86:3-8. Summer 1965. 99.8 F7691
- 36758 HUBER, A. The middle land problem. (Ge) Schweiz. Z. Forstwesen 116(10/11):861-863. Oct./Nov.1965. 99.8 J82
Silviculture.
- 36759 JOBLING, J. Poplars and elms. Great Brit. Forest. Comm. Rep. Forest Res. 1964:40-46. 1965. 99.9 G795Re
Culture.
- 36760 JONES, E. W. Pure conifers in Central Europe—a review of some old and new work. Oxford Univ. Forest Soc. J. (ser.5)13:3-15. Ref. 1965. 99.9 Ox2
Various aspects of culture.
- 36761 KLIER, G., and THOMASIUS, H. On the method of analysing coarse soils. (Ge) Arch. Forstwesen 14(9):1033-1058. Ref. 1965. 99.8 Ar22
English summary.
Forest soils.
- 36762 KOSONOGOVA, V. F. Natural and some cultivated types of forests in Sverdlovsk forestry. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:391-395. 1965. 20 M857
- 36763 KRISHNAMURTHY, T., KARIRA, G. V., and SOOD, V. K. Note on *Eucalyptus fruticetorum* F. Muell. syn. *E. polybractea* R. T. Baker. Indian Forest. 91(11):818-820. Nov.1965. 99.8 In2
Culture, chiefly.
- 36764 KURTH, H. Improvement of silvicultural planning. (Ge) Sozialistische Forstwirtschaft. 15(11): 331-333. Nov.1965. 99.8 W143
- 36765 LAAR, A. VAN, and TINGLE, A. C. Poplar culture in South Africa. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(9):374-384. Sept. 1965. 12 N282
- 36766 LAZARESCU, C., and others. Comparative culture of *Quercus robur* of various provenance in the Baraganul lowlands. (Rum) Rev. Padurilor 80(6):304-307. Ref. June 1965. 99.8 R327
C. S. Papadopol, V. Papadopol, and M. Nitulescu, joint authors.
- 36767 LAZARESCU, C., NITU, C., and HARING, P. Preliminary results of the comparative culture of ash trees of different provenance on the territory of Zalau forest administration. (Rum) Rev. Padurilor 80(5):235-238. May 1965. 99.8 R327
English summary.
- 36768 LEIBUNDGUT, H. Results of some oak culture experiments in Honggerberg. (Ge) Schweiz. Z. Forstwesen 116(10/11):825-834. Oct./Nov. 1965. 99.8 J82
French summary.
- 36769 LUGTON, G. S. New areas investigated for softwood plantations. Forest Timber 3(2):10-11, map. Nov.1965. 99.8 F7634
- 36770 MARQUIS, D. A. Controlling light in small clearcuttings. U. S. Forest Serv. Res. Paper NE-39, 16 p. 1965. A99.9 F7622Un
- 36771 MIEGROET, M. VON. Silviculture of the future. (Ge) Allg. Forstz. 21(3):47-49. Jan.15, 1966. 99.8 AL52
- 36772 MILLER, H. G., and MACKENZIE, R. C. Research on Scottish forest and nursery soils. Great Brit. Forest. Comm. Rep. Forest Res. 1964:83-86. 1965. 99.9 G795Re
- 36773 MITSCHERLICH, G., and others. Yield and ecology, investigations in pure and mixed stands. IV. Precipitation, stem-flow and soil moisture. (Ge) Allg. Forst- Jagdzeitung 137 (1):1-13. Ref. Jan.1966. 99.8 AL3
W. Moll, E. Kunstle, and P. Maurer, joint authors.
English summary.
- 36774 MOEHRING, D. M. Some tree growth soil moisture observations in sawlog size loblolly pine stands in northeast Louisiana. Diss. Abs. 26(7):3567. Jan.1966. 241.8 M58
- 36775 MRAZEK, F. Cultivation of larch in the area of old-pleistocene. (Ge) Sozialistische Forstwirtschaft. 15(10):301-302. Oct.1965. 99.8 W143
- 36776 NASH, C. A. M. Developing a plantation technique using mechanical aids in the Guinea zone with particular emphasis placed on the site/soil moisture relationship. Nigerian Forest. Conf. Proc., 1st Conf.:110-123. 1964. 99.9 N567
Mechanization of site preparation and cultivation.
- 36777 NEBE, W., and BENES, S. On sites, height growth, and nutritional status of optimum spruce stands growing in the Beskids, the Bohemian Forest, and the Saxon Ore Mountains. (Ge) Arch. Forstwesen 14(9):1003-1020. Ref. 1965. 99.8 Ar22
English summary.
- 36778 NOZICKA, J. Introduction of the Weymouth pine (*Pinus strobus*) in Bohemian lands up to 1938. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:39-67. Ref. 1965. 99.9 P88
German summary.
- 36779 PASCOVSCHI, S. Achievements and perspectives of the culture of *Coniferae*. (Rum) Rev. Padurilor 80(6):293-295. June 1965. 99.8 R327
English summary.
- 36780 PETROV, V. V. Relation between character of forest vegetation and soil forming rocks in the northwestern area of the Moscow Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:43-50. Nov./Dec.1965. 442.9 M854
- 36781 PETROV, V. V. Some data concerning the relation between the character of forest vegetation and mechanical composition of the soil in Moscow Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:53-60. Jan./Feb.1965. 442.9 M854

- 36782 ROBERT, J. Silvicultura of the Jura mountain. (Fr) Schweiz. Z. Forstwesen 116(10/11):853-861. Oct./Nov.1965. 99.8 J82
Discussion in German.
- 36783 SEAGRIEF, S. C. Establishment of Podocarpus latifolius R. Br. in blackwood plantations at the Hogsback. So. African J. Sci. 61(12):433-437. Dec.1965. 515 So84
- 36784 SEREVO, T. S. Silviculture of tropical rain forest with special reference to the Philippine dipterocarp forest. Philippine J. Forest. 17 (3/4):123-146. Ref. Third/Fourth Q.1961, Pub.1965. 99.8 P53
- 36785 STEFFEL, V. Course of harvesting in damaged forests. (Cz) Lesnicka Prace 44(8):337-339. Aug.1965. 99.8 L56
Salvage cutting.
- 36786 SUSMEL, L., and SIEF, L. Can Pinus sylvestris be cultivated in poorer Castaneum sites? (It) Collana Verde 19:100-104, map. Ref. 1964. 99.8 C68
Text also in German, p.105-110.
- 36787 TAKESHITA, K., and NAKASHIMA, Y. Edaphological studies on the micro-topography and forest soil and their relations to the growth of sugi (Cryptomeria). II. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:61-113, map. Ref. Mar.1963. 99.9 F95
English summary.
- 36788 TAKESHITA, K. Edaphological studies on the micro-topography and topographical analysis and their relations to the forest soil. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 14:1-53, map. Ref. Sept.1961. 99.9 F95
- 36789 TAKESHITA, K. The formation of mountain slope and its meaning to the forestry. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 17:1-109, map. Ref. Mar.1964. 99.9 F95
English summary.
Forest soils and forest erosion.
- 36790 TIMAKOVA, N. S. Some factors of nutritional substances in soils of Prokudin forestry. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:405-411. 1965. 20 M857
- 36791 TINSLEY, J. Chemical changes in forest litter: third report, May 1964. Great Brit. Forest. Comm. Rep. Forest Res. 1964:111-115. 1965. 99.9 G795Re
- 36792 TOLCHEL'NIKOV, YU. S. Indirect interpretation of soil properties in the forest zone. (Rus) Vses. Geogr. Obsch. Izv. 97(6):539-541. Nov./Dec.1965. 511 L546
Aerial photography applied.
- 36793 ULMER, E. Problems in the conversion of the former coppice forests to high forest in upper Thurgau region. (Ge) Schweiz. Z. Forstwesen 116(10/11):868-874. Oct./Nov.1965. 99.8 J82
Includes discussion.
- 36794 UMEKI, H. The culture of poplars in Japan. (Se) Topola 9(48/49):30-32. Jan./Mar.1965. 99.8 T62
French summary.
- 36795 VERMA, S. K. Trials on certain exotics and non-indigenous species at Mount Abu. Indian Forest. 91(12):831-844. Ref. Dec.1965. 99.8 In2
- 36796 VIERECK, L. A. Relationship of white spruce to lenses of perennially frozen ground, Mount McKinley National Park, Alaska. Arctic 18(4):262-267. Dec.1965. 470, Ar22
- 36797 WEBER, E. Cultivation of willow trees. (Fr) Schweiz. Pappel-Arbeitsgemeinsch. Mitt. 8:2-7. Dec.1965. 99.9 Sch95
Salix alba, S. alba vitellina and S. fragilis.
- 36798 YEOM, F. B. C. Group fellowship study tour on silviculture and control of forest pests—USSR 10th July 1965—10th August 1965. Malaysian Forest 28(4):271-283. Oct.1965. 99.8 M292
- 36799 ZACHEJ, S. On the problem of transformation of coppice of Quercus cerris. (Cz) Les [Bratislava] 21(9):257-259. Sept.1965. 99.8 L5632
Includes improvement cutting and regeneration.

Silvicultural Practices

- 36800 BACHELARD, E. P., SARFATY, A., and ATTILL, P. M. Chemical control of eucalypt vegetation. Australian Forest. 29(3):181-191. Sept.1965. 99.8 Au74
- 36801 BARRING, U. Use of herbicides for planting on arable land. (Sw) Skogen [Stockholm] 52 (10):196-198. May 13, 1965. 99.8 Sk51
Scots pine and Norway spruce.
- 36802 BENZIAN, B. Nutrition experiments in forests nurseries; potassium manuring of Sitka spruce seedlings. Great Brit. Forest. Comm. Rep. Forest Res. 1964:87-88. 1965. 99.9 G795Re
- 36803 BERGMANN, J. H., and others. General directions on the dosage of W6658 (50% Simazine) for the care of furrow plantings in the north-eastern German pleistocene area. (Ge) Sozialistische Forstwirtschaft. 15(10):308-310. Oct. 1965. 99.8 W143
H. Schleichert, A. Ullrich, G. Schmidt, and S. Wenzke, joint authors.
- 36804 DAVEY, C. B. Root pruning in forest nursery management. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:38-42. Ref. A99.9 F7693P
Discussion, p.47-49.
- 36805 DICKS, H. M., JACKSON, D. A., and KIRK, R. D. Fertilization of Eucalyptus grandis/saligna—a preliminary report. S. Afr. Forest. J. 54:22-29. Sept.1965. 99.9 So82
Nitrogen, phosphate and potash.
- 36806 FIEDLER, H. J., and HOHNE, H. On nitrogen fertilization of middle-aged pine stands. I. (Ge) Arch. Forstwesen 14(9):909-931. Ref. 1965. 99.8 Ar22
English summary.
- 36807 FISHWICK, R. W. Irrigated nursery practice in the Sudan zone. Nigerian Forest. Conf. Proc., 1st Conf.:27-33. 1964. 99.9 N567
- 36808 GAHRON, C. Modern nursery irrigation. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:159. A99.9 F7693P
Forest nursery.
Discussion: p.161-162.
- 36809 GAVA, M. For an organized pruning of spruce stands. (Rum) Rev. Padurilor 80(5):239-242. Ref. May 1965. 99.8 R327
- 36810 GAVA, M. On the pruning of Picea excelsa L. (Rum) Rev. Padurilor 80(6):308-311. Ref. June 1965. 99.8 R327
- 36811 GORZELAK, A. Methodology of experiments on chemical weed control in forest nurseries. (Pol) In Poznan. Instytut Ochrony Roslin. Materialy do metodyki badan biologicznej oceny srodkow ochrony roslin, pt.2, p.105-109. 1964. 464.4 P87M
- 36812 HOFFMANN, F. Investigations on nitrogen nutrition of young conifers. I. The application of Mitscherlich's function for representing the growth promoting effects of nitrogen. (Ge) Arch. Forstwesen 14(9):1021-1032. Ref. 1965. 99.8 Ar22
English summary.
- 36813 HOPKINS, B. Observations on savanna burning in the Olokemeji Forest Reserve, Nigeria. J. Appl. Ecol. 2(2):367-381. Ref. Nov 1965. 410 J828
- 36814 HOPKINS, B. Some observations on savanna burning in the Olokemeji Forest Reserve. Nigerian Forest. Conf. Proc., 1st Conf.:59-60. 1964. 99.9 N567

- 36815 HUNGER, W., and FIEDLER, H. J. Diagnosis for the purpose of fertilizing older spruce stands in the Saxon Ore Mountains and Vogtland. I-II. (Ge) Arch. Forstwesen 14(9):933-986. Ref. 1965. 99.8 Ar22
English summary.
Includes site studies.
- 36816 HUSSAIN, S. M. Experiments on weedcides in forest plantations of Daphar and Wan Bachran. Pakistan J. Forest. 15(4):302-309, map. Oct. 1965. 99.8 P17
- 36817 JACK, W. H. The results of some trials using Paraquat. Forester 5(1):31-32. July 1964. 99.8 F7635
- 36818 KRAPPENBAUR, A. Preliminary results of fertilization experiments in a spruce stand on Weinsberg granite. (Ge) Allg. Forstzeitung 76(12):252-255. Dec. 1965. 99.8 AL53
Various mineral fertilizers applied.
- 36819 KRAUSS, H. H., BRUNING, D., and TRILLMICH, H. D. Testing some potassium-manganese test fertilizers in pine manuring experiments. I-II. (Ge) Sozialistische Forstwirtschaft. 15(11):333-339. Nov. 1965. 99.8 W143
English summary inside back cover.
- 36820 LEWIS, N. B. Economics of pruning for long lumber in South Australia. Australian Forest. 29(3):149-160. Sept. 1965. 99.8 Au74
Pinus radiata.
- 36821 LIVINGSTON, K. Row thinning saves time and expense. Highlights Agr. Res. [Ala. Sta.] 12(4): 11. Winter 1965. 100 AL1H
Forest plantations for pulpwood.
- 36822 ONOCHIE, C. F. A. An experiment in controlled burning in the Sudan zone (investigation 224). Nigerian Forest. Conf. Proc., 1st Conf.: 131-155. 1964. 99.9 N567
- 36823 PAREZ, J. The effects of the first thinning under the level and in the level of the canopy on the change of diameter structure of young spruce (Picea) stands. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:101-126. Ref. 1965. 99.9 P88
English summary.
- 36824 POLGE, H. Some observations apropos pruning living branches (Fr) Rev. Forest. Franc. 17(11):717-733. Nov. 1965. 99.8 R329
Includes equipment.
- 36825 QUITA-QUITA, J. A. C. Forestry problems inherent in the Alentejo irrigation project. (Por) Port. Junta Nac. Cortica. Bol. 28(323): 186-190. (Concl.) Sept. 1965. 309.9 J96
- 36826 SHAPLAND, R. E. Notes on the establishment and early thinnings in oak plantations. Quart. J. Forest. 60(1):55-57. Jan. 1966. 99.8 Q2
- 36827 SPYRIDAKIS, D. E. The effect of chelating agents on the release of nutrients to forest trees. Diss. Abs. 26(7):3618-3619. Jan. 1966. 241.8 M58
- 36828 STEFANCIK, L. First preliminary results of the study of thinning of beech forests. (Cz) Lesnicka Prace 44(9):393-397. Sept. 1965. 99.8 L56
- 36829 STEFANCIK, L. On the evolution of thinning of forests. (Cz) Les [Bratislava] 21(9):275-276. Sept. 1965. 99.8 L5632
- 36830 SVOBODA, M. About composts and fertilizers in forest nurseries. (Cz) Lesnicka Prace 44(8):366-367. Aug. 1965. 99.8 L56
- 36831 TAUCHNITZ, E. Herbicide application without water. (Ge) Sozialistische Forstwirtschaft. 15(11):350-352. Ref. Nov. 1965. 99.8 W143
Sand as adjuvant.
- 36832 TRIMBLE, G. R., and WENDEL, G. W. A cost figure for a chemical release in Appalachian hardwoods. Northern Logger 14(7):24, 42. Jan. 1966. 99.81 N812
- 36833 TURNER, E. E. Herbicides and weed control in hardwood seedling production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:131-133. A99.9 F7693P
Discussion, p. 141.
- 36834 VALKOVA, O. Tests with some new herbicides. (Cz) Lesnicka Prace 44(3):106-110. Mar. 1965. 99.8 L56
In forest nurseries.
- 36835 VOJTUS, M. Thinning of the poplar stands. (Cz) Les [Bratislava] 21(11):326-330. Nov. 1965. 99.8 L5632
- 36836 WALKER, F. S. Eucalyptus citriodora in the Enugu plantations. Nigerian Forest. Conf. Proc., 1st Conf.: 162-163. 1964. 99.9 N567
Thinning.
- 36837 WICKER, E. F. Biology and control of dwarf mistletoes [Arceuthobium] on Douglas fir and western larch. Diss. Abs. 26(6):3006. Dec. 1965. 241.8 M58
- 36838 ZACHARIAS, W. Technique of slash removal in the Forstverband Salzhausen. (Ge) Allg. Forstz. 21(1/2):40-41. Jan. 8, 1966. 99.8 AL52

Regeneration and Breeding

- 36839 ADAMS, R. S., RITCHEY, J. R., and TODD, W. G. Artificial shade improves survival of planted Douglas-fir and white fir seedlings. Calif. Dep. Conserv. Div. Forest. State Forest Notes 28, 11 p. Ref. Jan. 1966. 99.9 C122S
- 36840 AKHROMEIKO, A. I. Fiziologicheskoe obosnovanie sozdaniya ustoichivyykh lesnykh nasazhdenii [Physiological basis for establishment of hardy forests]. Moskva, Lesnaya Promyshlennost', 1965. 311 p. Ref. 463.3 Ak4
- 36841 ALDHOUS, J. R., and ATTERSON, J. Nursery investigations. Great Brit. Forest. Comm. Rep. Forest Res. 1964:14-19. 1965. 99.9 G795Re
- 36842 AULL, G. Rationalization of seed storage. (Ge) Allg. Forstz. 21(6):114-115. Feb. 5, 1966. 99.8 AL52
- 36843 BADEA, M. On the duration of the process of forest regeneration. (Rum) Rev. Padurilor 80(9):473-475. Ref. Sept. 1965. 99.8 R327
French and German summary.
- 36844 BAKOS, V. Brief consideration on the plan of afforestation. (Rum) Rev. Padurilor 80(5): 225-230. Ref. May 1965. 99.8 R327
English summary.
- 36845 BARRES, H. Effects of root exposure on Honduras pine (Pinus caribaea hondurensis) planting stock. Turrialba 15(4):348-349. Oct./Dec. 1965. 8 T86
- 36846 BELCHER, E. W. Nursery seedling and seedling history plots. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:166-171. A99.9 F7693P
Includes inventory.
Includes discussion.
- 36847 BEVEGE, D. I. An investigation of cone and seed maturity of slash pine [Pinus elliotii] in southern Queensland. Australian Forest. 29(3): 135-148. Ref. Sept. 1965. 99.8 Au74
- 36848 BITVINSKAS, T. T. Effect of climatic cycles on growth of forest stands. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:385-390. Ref. 1965. 20 M857
- 36849 BLAND, B. New packaging methods for forest tree planting stock North Carolina's "mudding." U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:50-52. A99.9 F7693P
Discussion, p. 57-59.
- 36850 BLAND, W. A. Nursery production, cost reduction, quality stock production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:84-85. A99.9 F7693P
North Carolina.
- 36851 BOLYCHEVTSEV, V. G. Yielding of Quercus on experiment forest plot of Timiryazev Agricultural Academy. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:397-403. 1965. 20 M857
Acorns.

- 36852 BONNER, F. T., and BROADFOOT, W. M. Soil nutrients and pH in southern hardwood nurseries. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:125-127. A99.9 F7693P
- 36853 BRENNEMAN, D. L. North Carolina's experience in nursery production of hardwood species. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:34-37. A99.9 F7693P
Includes discussion.
- 36854 BRISCOE, C. B. Initial field testing for forest tree improvement. Oxford Univ. Forest Soc. J. (ser.5)13:16-21. 1965. 99.9 Ox2
Puerto Rico.
- 36855 BURLEY, J. Variation in colour of Sitka spruce seedlings. Quart. J. Forest. 60(1):51-54. Ref. Jan.1966. 99.8 Q2
- 36856 BUSZEWICZ, G. M. Forest tree seed. Great Brit. Forest. Comm. Rep. Forest Res. 1964:11-13. 1965. 99.9 G795Re
- 36857 CARLISLE, A. Carbohydrates in the precipitation beneath a sessile oak, *Quercus petraea* (Mattushka) Liebl. canopy. Plant Soil 22(3):399-400. June 1965. 450 P696
- 36858 CHURCHWELL, N. R. Nursery production of hardwood species. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:190-192. A99.9 F7693P
Tennessee.
Discussion, p.199-202.
- 36859 CLOUD, M. C. Production of cottonwood cuttings and seedlings by the Texas Forest Service. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:172-173. A99.9 F7693P
Discussion, p.175.
- 36860 CLOUD, M. C. Report on State forestry agencies' activities in forest tree improvement. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:176-177. A99.9 F7693P
- 36861 COLEMAN, M. C. Georgia's experience in hardwood seedlings production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:25-33. A99.9 F7693P
Includes discussion.
- 36862 CSORE, P. First traces of artificial reforestation in Hungary. (Hu) Erdo 15(1):34-37. Jan.1966. 99.8 Er22
German summary.
- 36863 DAKOV, M. Measures to increase productivity of forests of People's Republic of Bulgaria. (Cz) Les [Bratislava] 21(1):22-24. Jan.1965. 99.8 L5632
Chiefly reforestation and forest protection.
- 36864 DARBY, S. P. Tree improvement highlights of Southeastern States. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:103-108. A99.9 F7693P
Discussion, p.112-113.
- 36865 DAVEY, C. B. Current studies on clay slurry root dips. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:53-59. A99.9 F7693 P
North Carolina forest nursery stock packing.
Includes discussion.
- 36866 DORING, O. Experiences in the cultivation of conifer seedlings in Moder litter boxes according to the "Ebenseer experiments." (Ge) Allg. Forstz. 21(6):115-116. Feb.5,1966. 99.8 AL52
- 36867 DRAPER, L. Nursery production, cost reduction, and quality stock production goals of Container Corporation of America. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:86-88. A99.9 F7693P
Forest nurseries in Florida.
Includes discussion.
- 36868 DVORAKOVSKII, M. S. On the interrelations between trees and shrubs. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:50-61. Ref. Sept./Oct. 1965. 442.9 M854
In relation to growth.
- 36869 EINSPAHR, D. W. Colchicine treatment of newly formed embryos of quaking aspen. Forest Sci. 11(4):456-459. Ref. Dec.1965. 99.8 F7632
To produce tetraploid plants.
- 36870 EIS, S., GARMAN, E. H., and EBELL, L. F. Relation between cone production and diameter increment of Douglas fir (*Pseudotsuga menziesii* (Mirb.) Franco), grand fir (*Abies grandis* (Dougl.) Lindl.), and western white pine (*Pinus monticola* Dougl.). Can. J. Bot. 43(12):1553-1559. Ref. Dec.1965. 470 C16C
- 36871 FAULKNER, R., HERBERT, R. B., and FLETCHER, A. M. Forest genetics. Great Brit. Forest. Comm. Rep. Forest Res. 1964:53-56. 1965. 99.9 G795Re
- 36872 FAULKNER, R. Seed orchards in Britain. Great Brit. Forest. Comm. Rep. Forest Res. 1964:211-243. Ref. 1965. 99.9 G795Re
- 36873 FISCHER, F., and RIEGER, G. Some results of a larch cultivation experiment in Hochschwarzwald. (Ge) Schweiz. Z. Forstwesen 116(10/11):835-845. Oct./Nov.1965. 99.8 J82
French summary.
Of various provenances.
- 36874 GAGNON, J. D. Nitrogen deficiency in the York River burn, Gaspé, Quebec. Plant Soil 23(1):49-59. Ref. Aug.1965. 450 P696
Black spruce [*Picea mariana*].
- 36875 GANAPATHY, P. M. A further contribution to the study of phenology and nursery behaviour of Andaman timber species. Indian Forest. 91(11):761-766. Nov.1965. 99.8 In2
- 36876 GENYS, J. B. Growth potentials of fifteen provenances of white spruce from Canada, tested in Maryland. Chesapeake Sci. 6(2):82-85, map. June 1965. 409.6 C42
- 36877 GRABER, R. E. Germination of eastern white pine [*Pinus strobus*] seed as influenced by stratification. U. S. Forest Serv. Res. Paper NE-36,9 p. 1965. A99.9 F7622Un
- 36878 GREAVES, T. The buffering effect of trees against fluctuating air temperature. Australian Forest. 29(3):175-180. Sept.1965. 99.8 Au74
Measurement of temperatures within trees.
- 36879 GREEN, W. T. Production, cost reduction, quality stock production, etc. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:76-77. A99.9 F7693P
- 36880 HAISSIG, B. E. Organ formation in vitro as applicable to forest tree propagation. Bot. Rev. 31(4):607-626. Ref. Oct./Dec.1965. 450 B6527
Literature review.
- 36881 HALLER, R. Developments in transplanting. (Ge) Allg. Forstz. 21(6):111-113. Feb.5,1966. 99.8 AL52
In nurseries.
- 36882 HELM, P. A plan of the reconstruction of forests of the Tatra national park. (Cz) Les [Bratislava] 21(12):365-368. Dec.1965. 99.8 L5632
Planting.
- 36883 HENMAN, D. W. Some early responses to increased intensity of heathland cultivation. Great Brit. Forest. Comm. Rep. Forest Res. 1964:158-165. 1965. 99.9 G795Re
Afforestation.
- 36884 HLADNIK, M. Production of seedlings of Coniferae for tree farms and planting. (Se) Topola 9(50/51):47-51. Apr./June 1965. 99.8 T62
French summary.
- 36885 HOFFMANN, G. Possibilities of utilization of plant physiological investigations for determination of agrotechnical optimal dates for the care of plantation. (Ge) Sozialistische Forstwirtschaft. 15(10):294-299. Ref. Oct.1965. 99.8 W143
English summary inside back cover.
Includes light effects and weed competition studies.

- 36886 HOFMANN, A. Selection and ecological characterization of seed forests. (It) Collana Verde 19:58-66. 1964. 99.8 C68
Text also in German, p.67-74.
- 36887 HOLLIS, J. P. Pesticides in forest nursery soils. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:134-141. A99.9 F7693P
Includes discussion.
- 36888 HOYLE, M. C. Growth of yellow birch [*Betula alleghaniensis*] in a Podzol soil. U. S. Forest Serv. Res. Paper NE-38, 14 p. Ref. 1965. A99.9 F7622Un
New Hampshire.
- 36889 IBRAHIM, M. B. Aspects of dry zone afforestation in the Republic of Sudan relevant to Nigerian forestry practice. Nigerian Forest. Conf. Proc., 1st Conf.:81-87. 1964. 99.9 N567
- 36890 INTERNATIONAL CONGRESS OF FOREST BIOLOGISTS AND TECHNICAL DIRECTORS OF FOREST SEED PREPARATION ESTABLISHMENTS, PIEVE SANTO STEFANO, 1963. Relazioni [Reports]. Collana Verde 19, 279 p., map. Ref. 1964. 99.9 C68
- 36891 JAPAN FOREST TECHNICAL ASSOCIATION. RESEARCH INSTITUTE FOR FOREST TREE BREEDING TECHNOLOGY. Shinrin no seisan-ryoku ni kansuru kenkyu. II. Shinshu san karamatsu rin ni tsuite [Studies on the productivity of forests. II. Larix forests of Nagano district]. Tokyo, 1964. 63 p. 99.9 J27222
- 36892 JOACHIM, H. F. Planting of poplar during the vegetation rest. (Ge) Sozialistische Forstwirtschaft. 15(10):300-301. Oct. 1965. 99.8 W143
- 36893 JONES, E. C. Preparation of cottonwood cuttings through use of special saw and tractor-mounted cutter. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:157-158. A99.9 F7693P
Discussion, p.161-162.
- 36894 JONES, L. Hardwood seed collection and handling. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:186-189. A99.9 F7693P
- 36895 JONES, L. Latest advances in seed research and their importance to nursery programs. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:114-121. A99.9 F7693P
Includes discussion.
- 36896 JORDAN, R. A. Florida's cotton batting. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:60-61. A99.9 F7693P
Forest nursery stock packing.
Discussion, p.155-156.
- 36897 KANTOR, J., and CHIRA, E. Microsporogenesis at some varieties of *Abies*. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnicke 3:179-185. Ref. 1965. 105.92 B833
English summary.
Germination of pollen.
- 36898 KATO, I. On the layering of *Acacia* (preliminary report). (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:37-40. Mar. 1963. 99.9 F95
- 36899 KAWASHIMA, T. On the seeds of *Acacia mollissima*. (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:41-44. Mar. 1963. 99.9 F95
- 36900 KEMP, R. H. The savanna zones research programme. Nigerian Forest. Conf. Proc., 1st Conf.:104-107. Feb. 1964. 99.9 N567
Aforestation aspects.
- 36901 KHAN, C. M. A. Best time of sowing. Pakistan J. Forest. 15(4):339-363. Oct. 1965. 99.8 P17
- 36902 KING, J. Nursery production of hardwood. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:197-202. A99.9 F7693P
Mississippi.
Includes discussion.
- 36903 KONOPKA, J. Tree varieties suitable for the reforestation of areas with trees injured by winds. (Cz) Les [Bratislava] 21(7):198-200. July 1965. 99.8 L5632
- 36904 KOTYZA, F. Most effective utilization of the current production of tree seedlings. (Cz) Lesnicka Prace 44(4):150-153. Apr. 1965. 99.8 L56
Reforestation.
- 36905 KROTOVA, N. G. Effect of seedling age on growth and productivity of pine nurseries grown on experiment plots of Timiryazev Agricultural Academy. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:369-375. 1965. 20 M857
- 36906 LAFFERS, A. Reforestation of the mobile sands in Hungary. (Cz) Les [Bratislava] 21(10):310-312. Oct. 1965. 99.8 L5632
- 36907 LÄRSEN, E. A study of the variability of *Eucalyptus maculata* Hook and *E. citroidora* Hook. Australia. Forest. Timber Bur. Leaflet. 95, 23 p. 1965. 99.8 Au73
Seed and leaf dimensions and seedling characteristics in relation to provenances.
- 36908 LARSON, P. R. Stem form of young *Larix* as influenced by wind and pruning. Forest Sci. 11(4):412-424. Ref. Dec. 1965. 99.8 F7632
- 36909 LAZARESCU, C. On the compatibility of heteroplastic grafting of certain forest trees. (Rum) Rev. Padurilor 80(9):463-467. Sept. 1965. 99.8 R327
French and German summary.
Includes breeding.
- 36910 LEHOTSKY, L. Twenty years of the international experimental plot for spruce at Podbansk. (Cz) Les [Bratislava] 21(1):18-21. Jan. 1965. 99.8 L5632
Provenance tests.
- 36911 LEHTO, T. V. TVA's experience in raising hardwood seedlings. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:23-24. A99.9 F7693P
Discussion, p.33.
- 36912 LIEBOLD, E., and FRIEDRICH, G. Ways to discern the growth power of individual trees in even-aged pure pine stands. (Ge) Arch. Forstwesen 14(10):1123-1131. 1965. 99.8 Ar22
English summary.
- 36913 LINES, R., and MITCHELL, A. F. Results of some older Scots pine provenance experiments. Great Brit. Forest. Comm. Rep. Forest Res. 1964:172-194. 1965. 99.9 G795Re
- 36914 LEPTAK, J. On the culture of seedlings in planting bands. (Cz) Les [Bratislava] 21(12):357-360. Dec. 1965. 99.8 L5632
- 36915 LOFFLER, J. Certification problem. (Ge) Allg. Forstz. 21(6):100-102. Feb. 5, 1966. 99.8 AL52
Includes discussion by E. Rohmeder.
- 36916 LUKAC, J. Experiments in the reforestation with seedlings in peat-plastic bands. (Cz) Les [Bratislava] 21(4):114-116. Apr. 1965. 99.8 L5632
- 36917 MACHANICEK, J. Longterm storage of fir (*Abies*) and beech (*Fagus*) seeds. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:69-100. Ref. 1965. 99.9 P88
German summary.
- 36918 MACKENZIE, J. A. Water requirements of tree seedlings in relation to growth rates. Nigerian Forest. Conf. Proc., 1st Conf.:108-109. 1964. 99.9 N567
- 36919 MARIN, E. T. Vegetative propagation of Norfolk Island pine (*Araucaria excelsa* R. Br.). Philippine J. Forest. 17(3/4):179-189. Ref. Third/Fourth Q. 1961, pub. 1965. 99.8 P53
- 36920 MARQUIS, D. A. Artificial light sources differ in effect on birch seedling growth. U. S. Forest Serv. Res. Note NE-35, 6 p. 1965. A99.9 F7622U
Yellow and paper birch.

- 36921 MARQUIS, D. A. Scarify soil during logging to increase birch reproduction. Northern Logger 14(5):24,42. Nov.1965. 99.81 N812
- 36922 MAURICIO, F. P. Albizzia falcata in Mt. Makiling: nursery phase and plantation establishment. Lumberman [Manila] 11(5):21,24-26, 26B,26D,27-32. Ref. Aug./Sept.1965. 99.81 L9793
- 36923 MAY, J. The forest nursery and its soils. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:3-9. A99.9 F7693P
- 36924 MEINES, M. K. Soils problems in forest nurseries as related to hardwood seedling production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:128-130. A99.9 F7693P
- 36925 MERGEN, F., and WORRALL, J. Effect of environment and seed source on mineral content of jack pine seedlings. Forest Sci. 11(4):393-400. Ref. Dec.1965. 99.8 F7632
- 36926 MESSER, H. Seed content of Douglas fir cones. (Ge) Allg. Forstz. 21(6):104-106. Feb.5,1966. 99.8 AL52
- 36927 MIHALACHE, A. Study of the technique of production of beech seedlings in nurseries. (Rum) Rev. Padurilor 80(9):467-473. Sept. 1965. 99.8 R327
English summary.
- 36928 MOLCHANOV, A. A., and GUBAREVA, V. A. Formirovanie i rost duba na vyрубkakh v leso-stepi [Formation and growth of oak on cutovers in the forest-steppe]. Moskva, Nauka, 1965. 255 p. Ref. SD397.O12M6
Regeneration.
- 36929 MONNIER, Y. Current problems in regard to the Moroccan argan trees. (Fr) Rev. Forest Franc. 17(11):750-767, map. Nov.1965. 99.8 R329
Chiefly regeneration of Argania sideroxylon.
- 36930 MULLER, C. A. Production goals, cost reduction and quality stock production. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:78-83. A99.9 F7693P
Forest nurseries in Alabama.
- 36931 NADEZH DIN, V. V. Effect of microrelief on growth and development of Larix. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:377-383. 1965. 20 M857
Its effect on microclimate and soil moisture.
- 36932 NAKAJIMA, Y., and others. Studies on the possibility of making karamatsu (Larix leptolepis) forests in the Shikoku district. (Ja) Ehime Univ. Coll. Agr. Forest. Bull. 3:22-47. map. Ref. Sept.1965. 99.9 Eh3
K. Yamahata, K. Fujimoto, A. Tsujita, M. Masuoka, and Y. Hoida, joint authors.
English summary.
Yields studied.
- 36933 NEAL, M. New nursery equipment and order processing. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:68-70. A99.9 F7693P
Forest nurseries in the Southern States.
- 36934 NEL, P. M. The breeding of eucalypts in South Africa. S. Afr. Forest. J. 54:17-21. Sept.1965. 99.9 So82
- 36935 NOVOTNY, M. A method of making stock inventory in forest nurseries. (Cz) Lesnicka Prace 44(9):391-392. Sept.1965. 99.8 L56
- 36936 PAPADOPOL, C. S., PAPADOPOL, V., and PIRVU, E. The effect of mixing and silvicultural practices on the growth of young seedlings of Quercus pedunculiflora and Robinia pseudoacacia L. (Rum) Rev. Padurilor 80(5):252-256. Ref. May 1965. 99.8 R327
- 36937 PASCOVSCHI, S., and LEANDRU, V. Alnus stands of the Reci. (Rum) Rev. Padurilor 80(5):242-245. May 1965. 99.8 R327
Growth and regeneration.
- 36938 PATEK, J. A contribution to the improvement of a single evaluation of forest nurseries and seed plantations. (Cz) Les [Bratislava] 21(8):232-236. Aug.1965. 99.8 L5632
- 36939 PETERSON, E. B. Inhibition of black spruce primary roots by a water-soluble substance in Kalmia angustifolia. Forest Sci. 11(4):473-479. Ref. Dec.1965. 99.8 F7632
- 36940 PFEFFER, L. On the problem of shrubs. (Cz) Les [Bratislava] 21(4):109-110. Apr.1965. 99.8 L5632
Includes windbreaks planting.
- 36941 POLENO, Z., and MOISL, J. Culture of seedlings in spruce litter. (Cz) Lesnicka Prace 44(5):205-209. May 1965. 99.8 L56
- 36942 RAJKHOWA, S. A short note on planting trials with Albizzia procera. Indian Forest. 91(12):845-847. Dec.1965. 99.8 In2
- 36943 REDISKE, J. H., and SHEA, K. R. Loss of Douglas-fir seed viability during cone storage. Forest Sci. 11(4):463-472. Ref. Dec.1965. 99.8 F7632
- 36944 RENNER, L. New methods also in the reforestation. (Cz) Les [Bratislava] 21(9):260-262. Sept.1965. 99.8 L5632
- 36945 ROHMEDEER, E., and HOLZHAMMER, E. Studies on the quality of spruce seeds of the 1964/65 harvest. (Ge) Allg. Forstz. 21(6):106-107. Feb.5,1966. 99.8 AL52
- 36946 RYDER, J. D. What's new in nursery equipment—with the industrial nurseries. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:71-75. A99.9 F7693P
- 36947 SAGL, K. What is slowing down the natural regeneration of forests. (Cz) Lesnicka Prace 44(5):209-210. May 1965. 99.8 L56
- 36948 SHEA, K. R. Patch grafting dwarfmistletoe-infected ponderosa pine bark tissues. Forest Sci. 11(4):436-437. Dec.1965. 99.8 F7632
- 36949 SILEN, R. R., CRITCHFIELD, W. B., and FRANKLIN, J. F. Early verification of a hybrid between noble and California red firs. Forest Sci. 11(4):460-462. Dec.1965. 99.8 F7632
- 36950 SIMON, M. Some phenological observation of deep boring of poplar plantings. (Hu) Erdo 14(12):529-535. Dec.1965. 99.8 Er22
German summary.
Continuous rooting activity during winter.
- 36951 SINDELAR, J., and SKALSKA, A. Changes of the content and of certain properties of volatile oils in organs of Larix decidua Mill. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 30:141-184. Ref. 1965. 99.9 P88
German summary.
- 36952 SKOUPY, J. Culture of tree seedlings packed in polyethylene bags. (Cz) Lesnicka Prace 44(6):263-266. June 1965. 99.8 L56
- 36953 SLADE, L. A short review of the R-8 [Southern Region] tree improvement program. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:185,109-113. A99.9 F7693P
- 36954 SPEROTTO, A. Larix europaea seed production in the drying establishment of Tesero (Trento Province). (It) Collana Verde 19:139-146. 1964. 99.8 C68
Text also in German, p.147-154.
- 36955 SRAMEK, V. Results of the culture of tree seedlings on the litter of Picea. (Cz) Lesnicka Prace 44(3):103-106. Mar.1965. 99.8 L56
- 36956 STONE, E. L., and WILL, G. M. Boron deficiency in Pinus radiata and P. pinaster. Forest Sci. 11(4):425-433. Ref. Dec.1965. 99.8 F7632
- 36957 STRAUB, R. Experimental study on the relation of root growth starting of aspen seedlings to air and soil temperature. (Ge) Schweiz. Z. Forstwesen 117(1):60-67. (Condensed) Jan. 1966. 99.8 J82

- 36958 SWOFFORD, T. F. A short review of the R-8 [Southern Region] tree improvement programs. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:109-113. A99.9 F7693P
Includes discussion.
- 36959 TAYLOR, C. J. Forest nurseries. Nature [London] 209(5019):146-147. Jan.8,1966. 472 N21
- 36960 TOMLAN, A. Conversion of coppice forests in the plains of eastern Slovakia. (Cz) Les [Bratislava] 21(12):353-356. Dec.1965. 99.8 L5632
By planting poplars.
- 36961 TOTH, J. Forest aspects of a plantation in the Sahara. (Fr) Rev. Forest. Franc. 17(10):674-695. Oct.1965. 99.8 R329
Afforestation.
- 36962 TSCHINKEL, H. M. Factors influencing the natural regeneration of *Cordia alliodora* (Ruiz & Pav) Cham. (Sp) Turrialba 15(4):317-324. Ref. Oct./Dec.1965. 8 T86
English summary.
- 36963 TURNER, E. E. Seedling inventories. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:163-165. A99.9 F7693P
Louisiana.
Discussion, p.171.
- 36964 TYUREMNOV, S. N., and BEREZINA, N. A. Destruction of pollen of forest tree species under various conditions of water-mineral regime. (Rus) Moscow. Univ. Vestnik. Ser. 6, 5:62-71. Sept./Oct.1965. 442.9 M854
- 36965 U. S. FOREST SERV. SOUTHERN REGION. Proceedings, Region 8, forest nurserymen's conferences, Morganton, N. C., Aug. 19-20, 1964, [and] Oklahoma City, Okla., Sept. 16-17, 1964. [Atlanta? 1964] 202 p. A99.9 F7693P
Includes welcome addresses by F. H. Claridge and D. E. Stauffer, and introduction by R. G. Hitt.
- 36966 URSIC, S. J. Packing, shipping, and storing loblolly seedlings in kraft-polyethylene bags. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:65-67. A99.9 F7693P
Mississippi nursery stock.
- 36967 VACARU, G., and LALU, I. Some data on the cones and seeds of *Pinus cembra* L. and the National Park Retezat. (Rum) Rev. Padurilor 80(5):262-264. May 1965. 99.8 R327
- 36968 VALERA, R. B., and ANGELES, L. D. Research in reforestation. Lumberman [Manila] 11(6):22,24,43. Oct./Nov.1965. 99.8 L9793
- 36969 VARGA, B. Efforts for rationalization of planting arrangements in the forestry of Matra. (Hu) Erdo 15(1):1-5. Jan.1966. 99.8 Er22
German summary.
- 36970 VASICEK, F., and others. Is the hoe planting useful for Czechoslovakia? (Cz) Lesnicka Prace 44(3):114-123. Mar.1965. 99.8 L56
P. Krtil, L. Pekarik, and R. Stolarik, joint authors.
Tree seedlings.
- 36971 VIELE, D. Industry's part and interest in the tree improvement movement. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:178-184, map. A99.9 F7693P
- 36972 VORONKOV, N. A. Some peculiarities of water regime of pine in arid conditions of the southeast of European part of USSR. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:42-52. Ref. May/June 1965. 442.9 M854
- 36973 WADSWORTH, F. H. Tropical forest regeneration practices. Duke Univ. Sch. Forest Bull. 18:3-29. Ref. 1965. 99.9 D88
Includes discussion.
- 36974 WAGENKNECHT, E. Contribution to rationalization in forestry. XI. The rationalization of reforestation by means of planting without land preparation. (Ge) Sozialistische Forstwirtschaft. 15(10):291-294. Oct.1965. 99.8 W143
English summary inside back cover.
Includes herbicides application in *Molinia caerulea* control.
- 36975 WALKENHORST, R. Seed provenance and the forestry yield. (Ge) Allg. Forstz. 21(6):108-110, map. Feb.5,1966. 99.8 AL52
- 36976 WALKER, F. S. Individual tree growth with particular reference to plantations. Nigerian Forest. Conf. Proc., 1st Conf.:164-168. 1964. 99.9 N567
Includes discussion.
- 36977 WALKER, M. State nursery. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:193-196. A99.9 F7693P
Oklahoma.
Includes discussion; also discussion on p.199-202.
- 36978 WALLEY, C. W. New packaging methods. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:153-156. A99.9 F7693P
Chiefly Mississippi kraft-polyethylene bags for forest nursery stock.
Includes discussion.
- 36979 WAREING, P. F., and SMITH, N. G. Physiological studies on the rooting of cuttings. Great Brit. Forest. Comm. Rep. Forest Res. 1964:130-132. 1965. 99.9 G795Re
Populus.
- 36980 WERNER, D. Certification of forest areas, stands, single trees and parent plants as well as provenance control. (Ge) Allg. Forstz. 21(6):98-100. Feb.5,1966. 99.8 AL52
Includes discussion by E. Rohmeder.
- 36981 WILLIAMS, R. D. Plant large black walnut [*Juglans nigra*] seedlings for best survival and growth. U. S. Forest Serv. Res. Note CS-38, 5 p. Aug.1965. A99.9 F7629
- 36982 WINGET, C. H., and KOZLOWSKI, T. T. Yellow birch germination and seedling growth. Forest Sci. 11(4):386-392. Ref. Dec.1965. 99.8 F7632
- 36983 WYNENS, J. C. Baling tree seedlings by weight. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:62-64. A99.9 F7693P
Georgia nursery stock.
- 36984 YAMSHCHIKOV, G. M. Trench-spot planting of oaks in forest parks. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:413-418. 1965. 20 M857
- 36985 YOUNG, H. E., CARPENTER, P. N., and ALTENBERGER, R. A. Preliminary tables of some chemical elements in seven tree species in Maine. Maine. Agr. Exp. Sta. Tech. Bull. 20,88 p. Oct.1965. 100 M28B
Complete tree, wood and bark.
- 36986 ZAKOPAL, V. Methods of better use of natural regeneration in improvement cuttings. (Cz) Lesnicka Prace 44(2):60-64. Feb.1965. 99.8 L56
- 36987 ZOBEL, B., and KELLISON, R. C. The Cooperative Industry-North Carolina State Tree Improvement Program. U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc. 1964:99-102. A99.9 F7693P
Includes discussion.
- 36988 ZVOLANEK, J. Incentives in the reforestation. (Cz) Lesnicka Prace 44(4):153-156. Apr.1965. 99.8 L56

Forest Protection and Damage

- 36989 BLAHO, J. Forest protection in the watershed area of Beskydy-Javorniky. (Cz) Les [Bratislava] 21(10):294-298. Oct.1965. 99.8 L5632
- 36990 CERMAK, V. Aerial photography in the assessment and evaluation of wind injuries to forests. (Cz) Les [Bratislava] 21(4):105-108. Apr.1965. 99.8 L5632
- 36991 COVENEY, M. C. Effect of fire and wind-throw on a forest area. Diss. Abs. 26(7):3601-3602. Jan.1966. 241.8 M58
Spruce-fir-northern hardwood in Maine.

- 36992 DAVIS, E. A. The role of starvation in Fenuron injury to shrub live oak [*Quercus turbinella*]. Weeds 14(1):10-17. Ref. Jan.1966. 79.8 W41
- 36993 EIBERLE, K. Observations on browsing of the Norway spruce. (Ge) Schweiz. Z. Forstwesen 116(10/11):816-824. Oct./Nov.1965. 99.8 J82 French summary.
- 36994 FRASER, A. I. The uncertainties of wind-damage in forest management? Irish Forest. 22 (1):23-30. Spring 1965. 99.8 Ir4
- 36995 FROELICH, R. C., and SNOW, G. A. Pine trees near power substations damaged by urea herbicides. Plant Dis. Rep. 49(12):970-971. Dec.1965. 1.9 P69P
- 36996 GILCHRIST, B. The control of game in forest areas. East Afr. Agr. Forest. J. 30(4):381-389. Apr.1965. 24 Ea74
Forest policy; chiefly damage caused by game in Tanganyika.
- 36997 HASEK, J. Nibbling and scratching of standing trees by wildlife as a serious problem of the modern forest protection. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnicke 2:93-110. Ref. 1965. 105.92 B833 English summary.
- 36998 HEINRICH, F. The dying of oaks. (Cz) Les [Bratislava] 21(10):298-300. Oct.1965. 99.8 L5632
Due to injuries.
- 36999 HEINRICH, F. Reducing the extent of injuries caused by the wildlife. (Cz) Les [Bratislava] 21(11):330-332. Nov.1965. 99.8 L5632
- 37000 HESSELTON, W. T., SEVERINGHAUS, C. W., and TANCK, J. E. Population dynamics of deer at the Seneca Army Depot. N. Y. Fish Game J. 12(1):17-30. Jan.1965. 410 N48
Includes tree injuries in New York.
- 37001 HOLLOWAY, C. W. The impact of big game on forest policy in the Mount Kenya and north-east Aberdare Forest Reserves. East Afr. Agr. Forest. J. 30(4):370-380. Ref. Apr.1965. 24 Ea74
Chiefly damage caused by game.
- 37002 IONESCU, A. Problem of the formation of spruce stands resistant to the damaging activity of wind. (Rum) Rev. Padurilor 80(5):231-234. May 1965. 99.8 R327 English summary.
- 37003 KESSLER, K. J. Dieback of managed, old-growth northern hardwoods in upper Michigan, 1954-1964,—a case history. Plant Dis. Rep. 49(6):483-486. June 15,1965. 1.9 P69P
- 37004 KODRIK, J. What should not be forgotten in the evaluation and removal of trees injured by winds. (Cz) Les [Bratislava] 21(4):99-101. Apr.1965. 99.8 L5632
- 37005 KOHLSTOCK, N. Abiotic damages or early thinnings? (Ge) Sozialistische Forstwirtschaft. 15(10):312-313. Oct.1965. 99.8 W143
Chiefly snow damages.
- 37006 LADZIANSKY, A. Feed of the hoofed wildlife from the point of view of forest protection. (Cz) Les [Bratislava] 21(12):369-375. Dec. 1965. 99.8 L5632
- 37007 LEGGAT, G. J. The reconciliation of forestry and game preservation in Western Uganda. East Afr. Agr. Forest. J. 30(4):355-369, map. Ref. Apr.1965. 24 Ea74
Forest policy; chiefly damage caused by game.
- 37008 LITTLE, S., and SOMES, H. A. Atlantic white-cedar being eliminated by excessive animal damage in south Jersey. U. S. Forest Serv. Res. Note NE-33, 3 p. 1965. A99.9 F7622U
- 37009 MEIMBAN, J. R. Forest protection and watershed management proposals. Lumberman [Manila] 11(6):34A-34D, 36. Oct./Nov.1965. 99.81 L9793
- 37010 NEUSTEIN, S. A. Windthrow on the margins of various sizes of felling area. Great Brit. Forest. Comm. Rep. Forest Res. 1964:166-171. 1965. 99.9 G795Re
- 37011 NOZICKA, J. Air pollution in Czechoslovakia and its control. (Cz) Ziva 13(5):168-169. Sept.1965. 409.6 Z6
Effect on forests.
- 37012 RIBAL, M., and HANUS, S. New repellents for the protection of forest trees from wildlife. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:181-214. Ref. 1965. 99.9 P88
Russian and German summary.
- 37013 ROWE, J. J. Mammals and birds. Great Brit. Forest. Comm. Rep. Forest Res. 1964:63-65. 1965. 99.9 G795Re
Forest pests.
- 37014 RUBNER, K. Can snow and icebreak be prevented by proper selection of spruce races. (Ge) Forst- Holzwirt 20(24):549-552. Dec.28, 1965. 99.8 F7724
- 37015 SLIVKA, J. Wind damaged forests in the eastern Slovakia. (Cz) Lesnicka Prace 44(4):156-159. Apr.1965. 99.8 L56
- 37016 STANESCU, V., and NICU, M. Silvicultural problems in areas exposed to air pollution caused by chemical complex Victoria. (Rum) Rev. Padurilor 80(5):258-262. May 1965. 99.8 R327
- 37017 SUCHAC, K. Water and forest management in the lowlands of eastern Slovakia. (Cz) Les [Bratislava] 21(8):229-232. Aug.1965. 99.8 L5632
Control of torrents.
- 37018 TAUCHNITZ, E. Chemistry in the forest—yes or no? (Ge) Sozialistische Forstwirtschaft. 15 (10):305-307. Oct.1965. 99.8 W143
Proper use of economic poisons in forestry in relation to R. Carson's Silent Spring.
- 37019 TIPPL, J. Use of wire and gravel in the construction of dams in the control of torrents. (Cz) Lesnicka Prace 44(9):417-419. Sept.1965. 99.8 L56
- 37020 VLAD, I., and CLONARU, A. Control of Danube River flood waters by dams and its effect on forests. (Rum) Rev. Padurilor 80(6):296-299. June 1965. 99.8 R327
- 37021 YOUNG, C. W. T. Death of pedunculate oak [*Quercus robur*] and variations in annual radial increments related to climate. Great Brit. Forest Comm. Forest Rec. 55, 15 p., map. 1965. 99.9 G795Fo
- 37022 ZELLER, J. Some technical importance of torrent control. (Ge) Schweiz. Z. Forstwesen 116(10/11):875-890. Oct./Nov.1965. 99.8 J82

Fire

- 37023 GOUILLY-FROSSARD. Suggestions for the prevention of forest fires. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51 (13):923-929. Oct.6/13,1965. 14 P215Bc
Includes discussion.
- 37024 HENDRY, J. Basic course on fire protection. Forester 5(1):24-31. July 1964. 99.8 F7635
- 37025 HOLMBERG, S. Defense against forest fire. III. (Sw) Skogen [Stockholm] 52(10):202-203. May 13,1965. 99.8 Sk51
- 37026 KAMILOVSKI, M. Conditions which are increasing possibilities of forest fires. (Se) Sumarski List 89(1/2):64-70. Jan./Feb.1965. 99.8 Su6
- 37027 MITCHEM, R. A. Weather and fire. Ala. Forest Prod. 8(12):6-8. Dec.1965. 99.82 AL1
Forest fire relations to drought in Alabama.
- 37028 SHCHETINSKII, E. A. Determination of fire danger in forests of Maritime Territory and Sakhalin Region. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:419-423. 1965. 20 M857
Includes protection.
- 37029 SIEGL, B., and LORBER, M. Control of forests against fire. (Cz) Lesnicka Prace 44(4):160-162. Apr.1965. 99.8 L56

- 37030 THOMAS, P. H., and SIMMS, D. L. Fires in forest and heathland fuels. Great Brit. Forest. Comm. Rep. Forest Res. 1964:121-123. 1965. 99.9 G795Re
- 37031 WATTS, D. S. Weather, poor access remain big problems for B.C. fire fighters. Can. Forest Indus. 86(2):75-77. Feb.1966. 99.81 C16

Forest Influences

- 37032 HORNE, J. E. M. Forestry and water supply in the Nigerian savanna regions. Nigerian Forest. Conf. Proc., 1st Conf.:61-65. 1964. 99.9 N567
- 37033 LEYTON, L., and REYNOLDS, E. R. C. Hydrological relations of forest stands. Great Brit. Forest. Comm. Rep. Forest Res. 1964:116-120. 1965. 99.9 G795Re
- 37034 MCCULLOCH, J. S. G., and DAGG, M. Hydrological aspects of protection forestry in East Africa. East Afr. Agr. Forest. J. 30(4):390-394. Ref. Apr.1965. 24 Ea74
- 37035 MILOSERDOV, N. M. Effects of windbreaks on yields. (Rus) Zemledelie 1:66-67. Jan.1966. 20 Z44
Field crops.
- 37036 MUSTAFAEV, KH. M. Hydrological effect of forest litter from various tree varieties. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(8):66-69. 1965. 511 Ak147D
Water absorbing ability.
- 37037 NAGELI, W. Über die Windverhältnisse im Bereich gestaffelter Windschutzstreifen (Modellversuche mit Schilfrohrwänden im Freiland) [On wind conditions in the range of staggered shelterbelts (model tests with reed mats in the open field)]. Schweiz. Anst. Forstl. Versuchswesen Mitt. 41(5):221-300. Ref. 1965. 99.9 Sch92
English summary.
Wind velocity reduction with wind screens.
- 37038 NELSON, J. G., and BYRNE, A. R. Fires, national parks, and early floods in the Bow Valley, Alberta. Assoc. Amer. Geog. Ann. 55(4):636-637. Dec.1965. 500 As73
- 37039 PEREIRA, H. C. Land use and streamflow. East Afr. Agr. Forest. J. 30(4):395-397. Apr. 1965. 24 Ea74
As affected by forests.
- 37040 RAKHMANOV, V. V. Distribution of water-protecting forests on the territory of USSR. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(12):829-834, map. Dec.1965. 511 M663D
- 37041 SALY, R. On the effect of spruce stands on soils. (Cz) Les [Bratislava] 21(1):4-7. Jan. 1965. 99.8 L5632
- 37042 SAMOILOVA, E. M. Effect of linden tree as an oak-grove component on the properties of Gray-Brown Forest soils. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:76-83. Ref. May/June 1965. 442.9 M854
- 37043 SOLO'EV, P. E. Changes of the properties of Brown light-textured loamy and sandy loamy soils of semideserts under windbreaks. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:61-77. Jan./Feb.1965. 442.9 M854
- 37046 CLELAND, R. W. National parks—how the people use them. New Zeal. J. Forest. 10(2):159-169, map. 1965. 99.8 C162
Recreational aspects.
- 37047 COVELL, R. R., and COLE, W. A. Observation on woodland range—southern coastal plain. Amer. Soc. Agron. ASA. Spec. Publ. 5:237-243. Oct.1964. 64.9 Am3
In Mississippi.
- 37048 DAVIDSON, M. M. Trampers, climbers and forest recreation. New Zeal. J. Forest. 10(2):194-200. 1965. 99.8 C162
- 37049 HELM, P. Tourism and forestry. (Cz) Les [Bratislava] 21(2):47-49. Feb.1965. 99.8 L5632
- 37050 JIA, J. Forestry in relation to wild life. Nigerian Forest. Conf. Proc., 1st Conf.:101-103. 1964. 99.9 N567
- 37051 KILPATRICK, C. S. Public response to forest recreation in Northern Ireland. Irish Forest. 22(1):3-15. Spring 1965. 99.8 Ir4
- 37052 KLOET, W. G. VAN DER. Forests and recreation in the Netherlands. Irish Forest. 22(1):16-22. Spring 1965. 99.8 Ir4
- 37053 MCKELVEY, P. J. Recreation and amenity in indigenous state forests. New Zeal. J. Forest. 10(2):175-184. 1965. 99.8 C162
- 37054 NELSON, R. Recreation in indigenous forests. New Zeal. J. Forest. 10(2):170-174. 1965. 99.8 C162
- 37055 PFEFFER, A. Recreation and forestry. (Cz) Lesnicka Prace 44(2):77-79. Feb.1965. 99.8 L56
- 37056 RAFI, M. M. Maslakh Range Project, Quetta, West Pakistan (a review of its first ten years). Pakistan J. Forest. 15(4):319-338, map. Ref. Oct.1965. 99.8 P17
In relation to grazing in the state forest.
- 37057 THE RECREATIONAL use of exotic forests; a panel and discussion. New Zeal. J. Forest. 10(2):201-220. 1965. 99.8 C162
Chairman: A. W. Grayburn; panel members: G. M. O'Neill, E. Manktelow, P. C. Crequer, and L. A. Skudder.
- 37058 STEFANELLI, F. The national parks of the world. (It) Agricoltura 14(4):85-110. Apr. 1965. 16 Ag8226
Includes national forests.
- 37059 U. S. FOREST SERV. Skiing, National Forests, America's playgrounds. U. S. D. A. PA 525,16 p., map. Jan.1966. 1 Ag84Pro
- 37060 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Diamond Peak Wilderness, Deschutes and Willamette National Forests. Portland, Oreg., 1964. 32 p.-folder, map. A98.6 F762D
- 37061 VOLK, D. J. Factors affecting recreational use of national parks. Assoc. Amer. Geog. Ann. 55(4):653-654. Dec.1965. 500 As73

FOREST INDUSTRIES AND TRADE

Miscellaneous Forest Uses

- 37044 ALESSANDRINI, A. Tourism, urbanization, nature and forest protection. (It) Ital. Forest. Mont. 20(5):193-197. Sept./Oct.1965. 99.8 It12
French summary.
Chiefly recreational aspects.
- 37045 BUTCHER, R. D. A Redwood National Park; but where—and how much? Living Wilderness 29(88):11-15, map. Spring 1965. 410 L76
In California.
- 37062 ADAMS, T. C., and HAMILTON, T. E. Value and employment associated with Pacific Northwest log exports to Japan. U. S. Forest Serv. Res. Paper PNW 27, 15 p. 1965. A99.9 F7625Uni
- 37063 DANE, C. W. Management or operations research—a managerial decision-making tool for the forest industry. Forest Indus. 93(2):36-38. Feb.1966. 99.81 W52
- 37064 MYSIK, O. European trade of tropical hardwoods. (Cz) Drevo 20(7):255-258. July 1965. 99.82 D81
- 37065 NEW ZEALAND forest industries directory, 1966. Auckland, 1966. 166 p. 99.81 N482
- 37066 WEBSTER, L. T. The log export problem. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:89-92. 1965. 99.9 Sp6

Lumbering and Logging

- 37067 ADAMEK, I. Results of the study of earth scarifiers. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(3):233-248. Ref. Mar.1965. 99.9 C334
English summary.
In the construction of forest roads.
- 37068 ASTHANA, M. N. An improved stopping device for use with the Koroleff's wire skidding equipment. Indian Forest. 91(12):872. Dec. 1965. 99.8 In2
- 37069 BARTOS, Z. A contribution to the solution of the problem of artificial support for the logging cableway. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada C. Spisy Fak. Lesnicke 2:69-92. 1965. 105.92 B833
English summary.
- 37070 BASSAN, L., and STOCKEL, J. On radio-telemetric measuring of pulsation frequency during axe work. (Ge) Arch. Forstwesen 14(10):1061-1077. Ref. 1965. 99.8 Ar22
English summary.
- 37071 BJORKMAN, S. O. Tractor costs in log haulage. (Sw) Malmohus Lans Hushallningssallsk. Kvartalsskr. 2:217-225. 1965. 11 M29
- 37072 BLACKFORD, J. M. The felchip system. Pulpwood Prod. Saw Mill Logging 13(5):6,8,10, 12. May 1965. 99.81 P96
Tree harvesting and pulping equipment.
- 37073 CHIPER, I. Aspects of the hauling logs from improvement cutting with small tractors. (Rum) Rev. Padurilor 80(5):280-283. May 1965. 99.8 R327
- 37074 CHIRIBAU, V. Safety of labor in logging operations as the chief preoccupation of the Department of Forestry. (Rum) Rev. Padurilor 80(7):351-353. July 1965. 99.8 R327
- 37075 DOLEZAL, B., and SCHLAGHAMERSKY, A. The effect of new transportation technique on the designs of forest road system. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(3):209-232. Ref. Mar.1965. 99.9 C334
English summary.
- 37076 DOMNICK, H. Application of hydraulic shears for the felling and cross cutting. (Ge) Sozialistische Forstwirtschaft. 15(10):316-317. Oct. 1965. 99.8 W143
- 37077 DOUDA, V. Possibilities of using bark removal equipment in forests. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(3):303-322. Mar.1965. 99.9 C334
German and French summaries.
- 37078 DUFRESNE, R. Self-loading trailer is real boon. Can. Forest Indus. 86(2):56-57. Feb. 1966. 99.81 C16
For logs.
- 37079 ELSBY, C. H. The two great hazards of logging. Northern Logger 14(5):26,45. 99.81 N812
Accident prevention.
- 37080 ENEMUOH, P. O. Exploitation of small forest reserves by local contractors. Nigerian Forest. Conf. Proc., 1st Conf.:20-26. 1964. 99.9 N567
- 37081 GABOVICH, S. A., and ZORIN, S. P. Some problems of modernization and construction of skidding tractors. (Rus) Les. Prom. 3:6-8. Mar.1965. 99.82 L56
- 37082 GAJDOS, J. Reducing costs of logging. (Cz) Les [Bratislava] 21(10):304-305. Oct.1965. 99.8 L5632
- 37083 GAVAN, M. Transportable equipment for the connection of cableways for logging operations. (Rum) Rev. Padurilor 80(5):272-275. May 1965. 99.8 R327
- 37084 GOLDRATH, B. Liquid logging. Amer. Forests 72(2):34-36. Feb.1966. 99.8 F762
- 37085 GRAMMEL, R. The selection of debarking methods according to the wood volume. (Ge) Allg. Forstzeitung 76(12):249-252. Dec.1965. 99.8 AI 53
- 37086 HENEKA, L., and others. Die Motorsage; Aufbau, Arbeitsweise und Wartung [The motor saw; construction, operational methods and maintenance]. Munchen, Bayerischer Landwirtschaftsverlag, 1965. 139 p. TJ1233.H4
H. Bachert, F. Heckmann, and W. Weber, joint authors.
- 37087 JANCO, J., and KERN, J. Results of tests with hydraulic clutches of logs loading equipment. (Cz) Lesnicka Prace 44(1):12-14. Jan.1965. 99.8 L56
- 37088 JERRY, R. L. Watch those specifications and catch truck frame troubles early. Can. Forest Indus. 86(2):62-65. Feb.1966. 99.81 C16
- 37089 KRIZ, M., and SYROVATKA, K. Reasons and draft of a new concept of log hauling. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31:127-157. 1965. 99.9 P88
German summary.
- 37090 KUPKOVIC, L. Experience with incentives in the logging of trees injured by winds. (Cz) Les [Bratislava] 21(8):238-240. Aug.1965. 99.8 L5632
- 37091 LASZLO, G. On the economic effectiveness of the main means of hauling and transportation of forest logs. (Rum) Rev. Padurilor 80(6):334-337. June 1965. 99.8 R327
- 37092 LEKH, A., KUBETSKOI, V., and GOZHEV, A. Uninterrupted work at the felling area. (Rus) Les. Prom. 3:15-17. Mar.1965. 99.82 L56
Work management.
- 37093 LEVANTO, S. Tutkimuksia moottorisahakar-sinnasta. Investigations into the lopping of felled trees by power saw. Tyotehoseura. Julkaisuja 109,96 p. Ref. 1965. 20 M11
English summary.
- 37094 MACKO, S. Prefabricated bridges in the construction of forest roads. (Cz) Lesnicka Prace 44(6):272-275. June 1965. 99.8 L56
- 37095 MACKO, S. Will the complete prefabrication of forest bridges assert itself? (Cz) Les [Bratislava] 21(7):201-202. July 1965. 99.8 L5632
- 37096 MAGIROVSKII, N. P. New logging machinery. (Rus) Les. Prom. 3:4-5. Mar.1965. 99.82 L56
Chiefly hauling tractors.
- 37097 MATVEEV, P. V., and SAMOILOV, A. A. Reinforced concrete for covering of forest roads. (Rus) Les. Prom. 3:20-23. Mar.1965. 99.82 L56
- 37098 MOLODTSOV, M. P. Planning of improvement of forest road design. (Rus) Les. Prom. 3:18-19. Mar.1965. 99.82 L56
- 37099 NEFE, F., and BACA, O. Forestry and the modern technological equipment of the logging in the Karelian ASSR. (Cz) Lesnicka Prace 44(5):218-223. May 1965. 99.8 L56
- 37100 NESTOR, D., and LUPUSANSCHI, S. Maintenance and repair of forest roads. (Rum) Rev. Padurilor 80(5):276-279. May 1965. 99.8 R327
- 37101 NIKOLIC, S. A contribution to the study of blades and elements of sharpening of chains of power saws. (Se) Sumarski List 89(1/2):30-38. Jan./Feb.1965. 99.8 Su6
English summary.
For logging.
- 37102 NORTHEASTERN LOGGERS CONFERENCE, 11, PORTLAND, MAINE, 1965. [Proceedings] session 3: Changing market demands. Northern Logger 14(4):12-14,16-17,30-31,33,37. Oct. 1965. 99.81 N812
Chairman: A. Nutting.
- 37103 OPARIN, V. G., and TSIKIN, YU. V. Utilization of hardwoods in the basin of the River Kama. (Rus) Les. Prom. 3:24-25. Mar.1965. 99.82 L56
Harvesting and transportation chiefly.

- 37104 PAVELESCU, I. M. Technological losses of the logging of trees fallen by wind. (Rum) Rev. Padurilor 80(5):269-272. May 1965. 99.8 R327 English summary.
- 37105 PETRO, F. J. Why improved sawlog bucking is profitable. Northern Logger 14(5):14-15, 36-39. Ref. Nov. 1965. 99.81 N812
- 37106 PRODUCTION of California timber operators in 1964. Calif. Dep. Conserv. Div. Forest. State Forest Notes 27, 6 p. Jan. 1966. 99.9 C122S
- 37107 REHSCHUH, D., and HERDEN, W. Work experiments for lumbering. (Ge) Forsttech. Inform. 12:95-101. Dec. 1965. 99.8 F7794
- 37108 RUPRICH, J. Planning production activity in logging operations. I. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada C, Spisy Fak. Lesnické 2: 131-145. Ref. 1965. 105.92 B833 English summary.
- 37109 SALEK, C. The correct and timely marking of trees to be cut is an important task of forestry. (Cz) Les [Bratislava] 21(8):225-228. Aug. 1965. 99.8 L5632
- 37110 SARAIKIN, YU. D., and ANTIPIN, A. E. Preparing larch wood for loose floating. (Rus) Les. Prom. 3:11-13. Mar. 1965. 99.82 L56
- 37111 SCHALEK, M. Application of linear programming in the solution of transportation of logs. (Cz) Lesnicka Prace 44(9):407-410. Sept. 1965. 99.8 L56
- 37112 SHAVROV, A. M. Tasks of log-floaters for 1965. (Rus) Les. Prom. 3:1-3. Mar. 1965. 99.82 L56
- 37113 SHCHIGLOVSKII, B. M., CHIKOV, YA. I., and FOGEL', D. N. Optimum parameters of logging concerns. (Rus) Les. Prom. 3:26-28. (Cont.) Mar. 1965. 99.82 L56
- 37114 SLIVKA, J. Logging and the grading of logs. (Cz) Lesnicka Prace 44(3):134-136. Mar. 1965. 99.8 L56
With reference to Cernoch's article.
- 37115 SVEC, J. New technology of lumber production. (Cz) Lesnicka Prace 44(8):349-352. Aug. 1965. 99.8 L56
Chiefly hauling and transportation equipment for logs.
- 37116 SYROVATKA, K. Scientific organization of work in forestry. 8. Analysis of the bark removal with equipment. (Cz) Lesnicka Prace 44(8):352-359. Aug. 1965. 99.8 L56
- 37117 SYROVATKA, K. Scientific organization of work in forestry. 9. Analysis of logging. (Cz) Lesnicka Prace 44(9):414-416. Sept. 1965. 99.8 L56
- 37118 SZELESS, S. Preliminary report on setting up guiding values of power saw work in Coniferae lumbering operation in Austria. (Ge) Forstl. Bundesversuchsanst. Wien. Inform. 98, 2 p. In Allg. Forstzeitung 77(1). Jan. 1966. 99.8 AL53
- 37119 SZELESS, S. The status of machine debarking in Austria. (Ge) Allg. Forstzeitung 76(12): 247-249. Dec. 1965. 99.8 AL53
- 37120 VESELKOV, V. Mechanization of work on temporary rafting bases. (Rus) Les. Prom. 3:14. Mar. 1965. 99.82 L56
- 37121 VRAB, J. Cutting and transportation of logs of the tree-length. (Cz) Les [Bratislava] 21(11): 321-324. Nov. 1965. 99.8 L5632
- 37123 DUMITRESCU-GIRBOVI, S. Optimal feeding in the sawing of beech logs with gang frame saws from the point of quality of cuttings. (Rum) Indus. Lemnului 16(5):172-173. May 1965. 99.82 In23
English summary.
- 37124 KLIPPVİK, E. Future of the sawmills. (Sw) Skogen [Stockholm] 52(12):240. June 10, 1965. 99.8 Sk51
- 37125 KONDRATOVICH, N. E., and GERNEI, G. M. Economic evaluation of gang saw drive. (Rus) Les. Prom. 3:8-9. Mar. 1965. 99.82 L56
- 37126 MORSS, W. N. Saw kerf and mill over-run. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting: 7-11. 1965. 99.9 Sp6
- 37127 NILSSON, G. Sawmill problem; structure and localizing. (Sw) Skogen [Stockholm] 52(12): 236-237, 244. June 10, 1965. 99.8 Sk51
- 37128 OCENASEK, J. On the problems of mechanization and automation of sawmills. (Cz) Drevo 20(10):351-355, 367. Ref. Oct. 1965. 99.82 D81
- 37129 SKJELMERUD, H. Economics of manufacturing in circular saw-mills. Norsk Skogindus. 19(10):405-410, 412-413. Oct. 1965. 99.82 N81
- 37130 WHITTAKER, J. C. An evaluation of factors affecting individual sawlog conversion-surplus, sawing time, and overrun at hardwood lumber-producing circular sawmills. Diss. Abs. 26(7): 3569. Jan. 1966. 241.8 M58
- Processing and Woodworking
- 37131 KURATA, H., and ITO, K. Machining, laminating and nailing characteristics of planted larch. (Ja) Hokkaido Forest Prod. Res. Inst. Rep. 42: 1-18. Apr. 1965. 99.9 As12
English summary.
Larix leptolepis.
- Seasoning, Conditioning and Finishing
- 37132 BATI, A. P., and JARANILLA, E. A method of estimating drying time in the mechanical drying of veneer. Lumberman [Manila] 11(4):18, 20, 22. June/July 1965. 99.81 L9793
- 37133 BOICIUC, M., and ILIESCU, V. Modern installations for mass seasoning in kilns of coniferous lumber. (Rum) Indus. Lemnului 16(8):287-296. Ref. Aug. 1965. 99.82 In23
English summary.
- 37134 CASIN, R. F., and CORTES, R. T. Kiln-drying practices in the Philippines. Lumberman [Manila] 11(4):6, 8, 10, 12. June/July 1965. 99.81 L9793
- 37135 ECKELMAN, C. A., and SUDDARTH, S. K. Temperature compensation of strain gage based electric force transducers. Ind. Agr. Exp. Sta. Res. Bull. 796, 20 p. Ref. Mar. 1965. 100 In2P
For use in lumber drying kilns.
- 37136 ELMERS, T. L. Drying of oak. Northern Logger 14(7):20-21, 40. Jan. 1966. 99.81 N812
Kiln drying.
- 37137 FILIPOVICI, J., and others. Determination of parameters of heating of beech lumber. (Rum) Indus. Lemnului 16(4):132-139. Apr. 1965. 99.82 In23
I. Marinescu, P. Pescarus, G. Zlate, and D. Brendorfer, joint authors.
English summary.
- 37138 HESSE, R. Drying course of beech railway ties for obtaining maturation of impregnation for coal tar oil. (Ge) Holzindustrie 18(9):252-257. Sept. 1965. 99.82 H742
- 37139 KURSCHNER, K., and MELCEROVA, A. Chemical changes of beechwood during thermal treatment. I-II. (Ge) Holzforschung 19(6):161-178. Ref. Dec. 1965. 99.8 H74
English summary.
- Sawmills
- 37122 BOCANET, G. Mathematical substantiation of the effectiveness of rotary bark removal equipment of beech wood. (Rum) Indus. Lemnului 16(6):213-216. June 1965. 99.82 In23
English summary.
In sawmills.

- 37140 MARSHALL, P. E. Brush box [*Tristania conferta*] as a turnery timber. *Forest Timber* 3 (2):12-13. Nov.1965. 99.8 F7634
Chemical seasoning.
- 37141 NAKAMICHI, M., and KONNO, H. The performance of log heating; temperature change at interior of log by hot water heating. (Ja) Hokkaido Forest Prod. Res. Inst. Rep. 44:1-10. May 1965. 99.9 As12
English summary.
Veneer logs.
- 37142 PETRICAN, C., VINTILA, E., and GHEORGHE, M. Protection of stacked lumber against the cracking when seasoning in the open. (Rum) *Indus. Lemnului* 16(7):255-258. July 1965. 99.82 In23
- 37143 STODDARD, C. Factors affecting the production of fire-retardant treated wood in the United States. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:37-47, map. 1965. 99.9 Sp6
- 37144 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. News and views of this kiln drying business: warp reduction. U. S. Forest Serv. Res. Note FPL-0108, 2 p. Sept.1965. A99.9 F7634Un
- 37145 UIMONEN, M. Observations of a visitor on timber drying in South Africa. *S. Afr. Forest. J.* 54:4-7. Sept.1965. 99.9 So82
Kiln drying.
- Wood Preservation and Damage**
- 37146 AMMER, U. Experiment for protection of pine log against blue stain. (Ge) *Holz-Zentbl.* 91 (147):2561-2563. Dec.10,1965. 99.81 H742
Fungin and Wolmanit CB.
- 37147 BARISKA, M. On the effect of tar-oil impregnation on the shrinking of beechwood. (Ge) *Holz Roh- Werkstoff* 24(1):18-24. Ref. Jan. 1966. 99.81 H74
English summary.
- 37148 BELKO, J. Preservatives of moisture of conifers for sawing industry. (Cz) *Drevo* 20(7):266-267. July 1965. 99.82 D81
- 37149 CHEMICAL treatment of wood with boron compounds. *Lumberman* [Manila] 11(5):32-33. Aug./Sept.1965. 99.81 L9793
- 37150 HESSE, R. Statistical quality control in impregnation work. (Ge) *Holzindustrie* 18(9):262-265. Sept.1965. 99.82 H742
Railway ties.
- 37151 HOLMGREN, H. Protect wood. (Sw) *Skogen* [Stockholm] 52(12):241,249. June 10,1965. 99.8 Sk51
Impregnation of wood against wood destroying insects and fungi.
- 37152 JAMES, W. L. Effects of wood preservatives on electric moisture-meter readings. U. S. Forest Serv. Res. Note FPL-0106, 20 p. Aug. 1965. A99.9 F7634 Un
- 37153 JUNG, M., KRESSE, R., and MULLER, W. Corrosion of concrete by wood preservative. (Ge) *Holzindustrie* 18(9):265-268. Sept.1965. 99.82 H742
- 37154 KIRK, H. List of certified wood preservatives as of July, 1965 from German Bureau for Measurements and Product Testing [Deutsches Amt für Messwesen und Warenprüfung]. (Ge) *Holzindustrie* 18(9):259-261. Sept. 1965. 99.82 H742
- 37155 KUNZELMANN, E. Increasing the effectiveness of wood preservation. (Ge) *Holzindustrie* 18(9):245-247. Sept.1965. 99.82 H742
- 37156 LEVI, M. P., and PRESTON, R. D. A chemical and microscopic examination of the action of the soft-rot fungus *Chaetomium globosum* on beech wood (*Fagus sylvatica*). (Ge) *Holz-forschung* 19(6):183-190. Ref. Dec.1965. 99.8 H74
- 37157 MATHUR, V. N. P. A colorimetric procedure for the determination of arsenic, chromium, and copper in wood treated with water-borne preservatives. *Diss. Abs.* 26(6):2956. Dec. 1965. 241.8 M58
- 37158 MEERDINK VELDBOOM, H. The new timber impregnating plant of the Netherlands railways in Dordrecht. 8 p. Transl. 14339
Translation from *Holzschwelle* 58(42):1-15. 1963.
- 37159 OERTEL, J. Possibilities for application of new, not easily washable wood preservative. (Ge) *Holzindustrie* 18(9):250-252. Sept.1965. 99.82 H742
- 37160 SACHELARESCU, F., VINTILA, E., and GHEORGHE, M. Fluorine preservatives manufactured in Rumania for the protection of lumber against fungi. (Rum) *Indus. Lemnului* 16 (4):126-131. Apr.1965. 99.82 In23
English summary.
- 37161 SCHULZ, G., and STARFINGER, K. Fungicidal effectiveness of various coal tar creosotes. 8 p. Transl. 14343
Preservation of railway sleepers from *Lentinus lepideus* and *Coniophora cerebella*.
Translation from *Deutsche Gesellschaft für Holzforschung. Mitteilung* 48:53-55. 1961.
- 37162 THEDEN, G. Experience with the ASTM [American Society for Testing Materials] soil block technique for testing of fungicidal effectiveness. 8 p. Ref. Transl. 14342
Of wood preservatives.
Translation from *Deutsche Gesellschaft für Holzforschung. Mitteilungen* 48:9-13. 1961.
- 37163 TOLES, G. E. Osmose treatment of ties proves an economical method for a Canadian railway. *Hitchcock's Wood Working Dig.* 68(1):32-33. Jan.1966. 99.82 W87
- 37164 YAZAWA, K. On the prevention of discoloration and decay and on the artificial formation of heartwood in beech. 6 p. Transl. 14593
Translation from *Noyaku No Shinpo* 5(3). July 1959.
- 37165 ZIMMERMANN, W. Wood preservation in storage houses. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(4):155-156. Apr.1965. 85 J76
- FOREST PRODUCTS**
- 37166 BEST, H. C. How to promote better producer/buyer relations. *Pulpwood Prod. Saw Mill Logging* 13(7):8,10,12. July 1965. 99.81 P96
- 37167 BETHEL, J. S. Professional personnel for the wood using industries. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:85-88. 1965. 99.9 Sp6
- 37168 BRYAN, M. S. Report of Committee on Timber Conservation. *Cross Tie Bull.* 47(2):33-37. Feb.1966. 99.82 C87
Of the Railway Tie Association on consumption and prospective demands for timber products.
- 37169 BRYANT, B. S. Some technical aspects of the all-wood Hugo Winkenwerder Forest Sciences Laboratory. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:63-72. 1965. 99.9 Sp6
At the University of Washington.
- 37170 CANADA, BUR. OF STATISTICS. Miscellaneous wood industries, 1961. Ottawa, 1964. 16 p. (Annual Census of Manufacturers) 253 C335Miw
- 37171 FORSTNUTZUNG [Forest utilization]. Berlin, Deutscher Landwirtschaftsverlag, 1965. 180 p. (Lehrbücher für die Sozialistische Berufsausbildung. Forstwirtschaft) SD431.F6
Includes wood properties.
- 37172 JONES, R. E. Fourth annual report of Forest Clinic Foundation. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:97-98. 1965. 99.9 Sp6

- 37173 KNIGGE, W., and SCHULZ, H. Grundriss der Forstbenutzung; Entstehung, Eigenschaften, Verwertung und Verwendung des Holzes und anderer Forstprodukte [Outline of forest utilization; formation, properties, marketing and utilization of wood and other forest products]. Hamburg, Parey, 1966. 584 p. Ref. SD431.K58
- 37174 KOLLMANN, F. Modern trends in German forest products industries. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:81-84. 1965. 99.9 Sp6
- 37175 LADKIN, N. The next ten years in radiata pine. Australian Timber J. Building Prod. Merchandiser 31(11):43,45,47,49,51. Dec.1965. 99.81 Au7
Chiefly on wood utilization.
- 37176 LAMMONS, J. Market research: who? why? how much? Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:49-55. 1965. 99.9 Sp6
- 37177 MCGINNES, E. A. A survey of wood-using industries of Missouri. Mo. Agr. Exp. Sta. SB824,rev.,47 p.,map. Ref. Jan.1965. 100 M653
- 37178 MCKILLOP, W. L. M. Consumption and price of forest products in the United States: an econometric study of past determinants and future levels. Diss. Abs. 26(7):3668. Jan.1966. 241.8 M58
- 37179 MILLER, A. O. The future of forest fiber in the Pacific Northwest. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting. 1965:13-18. 99.9 Sp6
Outlook for forest products industry.
- 37180 STREYFFERT, T. Marketing and utilization. Duke Univ. Sch. Forest. Bull. 18:47-77. Ref. 1965. 99.9 D88
Includes discussion.
Tropical wood products.
- 37181 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Forest Products Laboratory list of available publications on wood fiber products research. Madison, 1965. 35 p.,map. 1.9 F761Cp
- 37182 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood and the homemaker. U. S. Forest Serv. Res. Note FPL-0107,5 p. Sept.1965. A99.9 F7634Un
- 37183 YEAR-end round-up of opinions on business conditions and predictions of things to come. Northern Logger 14(7):10-11,28-29. Jan.1966. 99.81 N812
In the forest products industry.
- Lumber and Rough Products**
- 37184 ARELLANO, C. A. The ABC of lumber grading—the NHLA [National Hardwood Lumber Association] way. Lumberman [Manila] 11(4):34, 36-38. June/July 1965. 99.81 L9793
- 37185 ARTYUKOV, A. I. Automation of sorting requires a reduction in the number of assortments. (Rus) Les. Prom. 3:9-10. Mar.1965. 99.82 L56
Logs for lumber industry.
- 37186 BACA, O. Technical and economic problems of mechanized log storages. (Cz) Lesnicka Prace 44(1):7-12. Jan.1965. 99.8 L56
Chiefly handling and loading equipment.
- 37187 BALASZ, D. Analysis of the qualitative structure of lumber production. (Rum) Indus. Lemnului 16(8):283-286. Aug.1965. 99.82 In23
English summary.
- 37188 BARBA, V., and BARBA, N. Economic analysis of the quality of production of lumber industry. (Rum) Indus. Lemnului 16(4):121-126. Apr. 1965. 99.82 In23
English summary.
- 37189 BOZDECH, J., and TEMMLOVA, B. The volume of log piles transported by rail. (Cz) Prace Vyzkumn. Ustavu Lesnickych CSSR 31: 159-180. 1965. 99.9 P88
- 37190 BRASELMAN, S. B. The past, present and future of railroad tie production in the Gulf Coast Region. Cross Tie Bull. 46(12):26,28-30. Dec. 1965. 99.82 C87
- 37191 CHURCH, T. W. Opportunities for improving markets for wood cross ties. Cross Tie Bull. 47(2):20,24,26-31. Feb.1966. 99.82 C87
- 37192 CHURCH, T. W. Opportunities for improving the manufacture and serviceability of railroad crossties. Northern Logger 14(7):18-19,38-40. Jan.1966. 99.81 N812
- 37193 COLLISTER, L. C. Causes for renewal of cross ties. Cross Tie Bull. 46(12):16,18,20,24. Dec.1965. 99.82 C87
- 37194 COWIE, D. Renewed interest in low grade log utilization. Northern Logger 14(4):16-17,33. Oct.1965. 99.81 N812
- 37195 FASANEK, V. Solution to the design of the main lumber storage of Ostravice. (Cz) Lesnicka Prace 44(5):223-226. May 1965. 99.8 L56
- 37196 FILO, O. Economics of the transportation equipment. (Cz) Les [Bratislava] 21(11):338-342. Nov.1965. 99.8 L5632
Logs.
- 37197 FORBES, R. H. Bulk scaling logs by weight. Brit. Columbia Lumberman 50(2):20-22. Feb. 1966. 99.81 B77
- 37198 HORWOOD, M. T. Firewood or timber? Nigerian Forest. Conf. Proc., 1st Conf.:69-70. 1964. 99.9 N567
Chiefly on the advantages of firewood production.
- 37199 JOZA, M. Prices of lumber as an instrument of incentives for collectives. (Cz) Drevo 20 (8):300-303. Aug.1965. 99.82 D81
- 37200 KEMPSTON, M. J. Sample scaling sawlogs. Brit. Columbia Lumberman 50(1):46,48,50,52. Jan.1966. 99.81 B77
- 37201 LANZ, C. Conifer lumber consumption and construction activity in Switzerland, 1945-64. (Ge) Schweiz. Z. Forstwesen 117(1):48-52. Jan.1966. 99.8 J82
French summary.
- 37202 LINDELL, G. R. Market opportunities for treated wooden guardrail posts in West Virginia. U. S. Forest Serv. Res. Note NE-36,6 p. 1965. A99.9 F7622U
- 37203 LINDELL, G. R. Marketing West Virginia lumber to manufacturers in other states. U. S. Forest Serv. Res. Paper NE-35,20 p.,map. 1965. A99.9 F7622Un
- 37204 MAGEE, G. M. Status of cooperative research on wood ties between the Railway Tie Association and the AAR [Association of American Railroads] Research Center. Cross Tie Bull. 46(12):9-14. Dec.1965. 99.82 C87
- 37205 NEDBAL, F. Premises for the application of statistical regulation of quality of lumber. (Cz) Drevo 20(10):349-350. Oct.1965. 99.82 D81
- 37206 NELSON, D. E., and others. Marketing practices of West Virginia lumber producers. W. Va. Agr. Exp. Sta. Bull. 507,39 p. Ref. June 1965. 100 W52
W. W. Christensen, W. H. Reid, and N. D. Jackson, joint authors.
- 37207 NORTHWESTERN-Iowa dealer reference manual, 1965-1966. Minneapolis, Northwestern Lumbermens Ass., 1965. 162 p.,map. 225 N8123
Iowa Lumbermens Association, cooperating.
Library has also volume for 1964-1965.
- 37208 PHILIPPINE LUMBER PRODUCERS' ASSOCIATION. Annual report. Lumberman [Manila] 11(3):18,20,24,32,34,36,38,40,46,48-49. Apr./May 1965. 99.81 L9793
- 37209 PRETTIE, R. J. Will the explosive expansion of the pulp and paper industry have any effect upon the production of railway ties? Cross Tie Bull. 47(2):7-10,11-14,16,18. Feb.1966. 99.82 C87

- 37210 RAILWAY TIE ASSOCIATION. Membership directory, 1965-1966. Cross Tie Bull. 46(10): 20,22,24,26,28,30,34,36,38. Oct.1965. 99.82 C87
- 37211 RAILWAY TIE ASSOCIATION. COMMITTEE ON MANUFACTURING AND HANDLING OF WOOD RAILROAD TIES. Report. Cross Tie Bull. 46(12):35-38. Dec.1965. 99.82 C87
- 37212 RAILWAY TIE ASSOCIATION. COMMITTEE ON RESEARCH AND PRODUCT DEVELOPMENT. Report. Cross Tie Bull. 46(12):39-40. Dec.1965. 99.82 C87
- 37213 RONDILLA, R. Better techniques in the supervision of log & lumber grading. Lumberman [Manila] 11(6):32,34. Oct./Nov.1965. 99.81 L9793
- 37214 ROSE, W. H. Cross ties from a purchasing standpoint. Cross Tie Bull. 46(11):49-52. Nov. 1965. 99.82 C87
- 37215 SABACKY, V., and others. Effectiveness of the construction of lumber storage structures depends on efficient equipment. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(3):249-272. Mar.1965. 99.9 C334
B. Homola, M. Vavra, and J. Gallas, joint authors.
English summary.
- 37216 SCHICK, B. A. Can international 1/4" rule volumes be obtained sawing eastern red spruce? Northern Logger 14(4):20,40. Oct.1965. 99.81 N812
- 37217 SHEARER, T. D. More opportunity for lumbermen. Conservationist 19(5):7-9. Apr./May 1965. 279.8 N48
Outlook for the lumbering and wood-using industries in New York.
- 37218 SIMMONS, F. C. Changing demands for softwood and hardwood lumber. Northern Logger 14(4):14,37. Oct.1965. 99.81 N812
- 37219 STEFFEL, V. Role of prices and standardization of rough wood in the new system of the planned national economy. (Cz) Lesnicka Prace 44(5):203-204. May 1965. 99.8 L56
- 37220 VAVRA, M., CHOD, V., and FLOR, V. The quality of sawed logs. (Cz) Lesnicka Prace 44(2):80-84. Feb.1965. 99.8 L56
With reference to Cernoch's article.
Standards.
- 37221 WALDEMAR, A. Wood and electronics. 14 p. Transl. 15461
Application in lumber industry.
Translation from Paperi ja Puu 47(3):109-121. 1965.
- 37222 WARNAKULA, D. A. L. Timber grading in Singapore. Lumberman [Manila] 11(4):23,26, 28,32. June/July 1965. 99.81 L9793
- Construction
- 37223 ANDERSON, L. O. Guides to improved framed walls for houses. U. S. Forest Serv. Res. Paper FPL 31,28 p. Aug.1965. A99.9 F7634U
- 37224 ANDERSON, L. O., and SMITH, W. R. Houses can resist hurricanes. U. S. Forest Serv. Res. Paper FPL 33,48 p. Aug.1965. A99.9 F7634U
- 37225 BASISTA, A. Fiberboard as building material. (Cz) Drevo 20(9):320-324. Sept.1965. 99.82 D81
- 37226 COTTA, N., IONESCU, F., and NASTASE, V. Cottages "Turist" made from lumber. (Rum) Indus. Lemnului 16(2):49-50. Feb.1965. 99.82 In23
English summary.
- 37227 HOPKINS, W. C., and KLEIN, E. L. Southern pine plywood for residential construction in Louisiana. La. Agr. 9(2):8-9. Winter 1965/66. 100 L939
- 37228 KLAGES, A. P. Building with blocks of particle wood. III. Australian Timber J. Building Prod. Merchandiser 31(11):25-27,29-30,32,37, 39. Dec.1965. 99.81 Au7
- 37229 KONISHI, C., SUZUKI, T., and KABASAWA, F. Side dressing of flooring. (Ja) Hokkaido Forest Prod. Res. Inst. Rep. 41:1-15. Feb.1965. 99.9 As12
English summary.
- 37230 NASH, N. Softwood plywood makes the grade. Hitchcock's Wood Working Dig. 68(1):41-42. Jan.1966. 99.82 W87
Used in construction.
- 37231 PHELPS, R. B. Rapid changes in wood use shown in FHA houses. (Condensed.) Forest Indus. 93(2):42-45. Feb.1966. 99.81 W52
- 37232 PLATON, V. A folding camping cottage manufactured from wood. (Rum) Indus. Lemnului 16(5):174-175. May 1965. 99.82 In23
English summary.
- Veneers, Plywood and Adhesives
- 37233 BARBA, N. Transport pallets manufactured from lumber substitutes. (Rum) Indus. Lemnului 16(6):226-229. June 1965. 99.82 In23
English summary.
From plywood and fiberboard.
- 37234 BERDINSKIKH, I. P. Skleivanie drevesing [Gluing of wood]. Ed. 2, rev. and enl. Kiev, Budivel'nyk, 1965. 323 p. Ref. TS870.B4
- 37235 BLOOMQUIST, P. R. Southern pine plywood adhesives technology. Forest Indus. 93(2):39-41. Feb.1966. 99.81 W52
- 37236 CERNY, J., and FENCL, M. Properties of urea-formaldehyde adhesives modified by urea additives. (Cz) Drevo 20(7):243-245. July 1965. 99.82 D81
- 37237 HARADA, H., and OKUNO, Y. An electron microscopic investigation on the gluing of wood. Jap. Wood Res. Soc. J. 11(6):240-244. Dec.1965. 99.9 J2793
Plywood.
- 37238 HEGGEMANN, J. Multi-colored veneer is promoted. (Ge) Holz-Zentralbl. 92(10):181-182. Jan.24,1966. 99.81 H742
- 37239 SCHRADER, O. H. Veneer plywood lumber and problems of competition for raw material. Northwest Wood Prod. Clin. Proc., 20th Annu. Meeting:57-61. 1965. 99.9 Sp6
- 37240 SCHULZE, W. Properties and possible uses of the phenolic resin adhesives. (Rum) Indus. Lemnului 16(3):100-102. Mar.1965. 99.82 In23
English summary.
- 37241 STELLER, S. Coefficient of compressibility of plywood. (Cz) Drevo 20(7):246-248. July 1965. 99.82 D81
- 37242 TAKENAMI, K. Studies on the discoloration of wood. III-IV. (Ja) Jap. Wood Res. Soc. J. 11(2):41-52. Ref. Apr.1965. 99.9 J2793
English summary.
Chiefly decorative plywood.
- 37243 TSAI, K. S. Elimination of free formaldehyde in resin for board making. Taiwan Sugar 12(2):9-14. Apr./June 1965. 65.8 T133
Plywood.
- 37244 U. S. FOREST SERV. FORESTS PRODUCTS LABORATORY. Device for estimating wood or glue failure in glue block shear test. U. S. Forest Serv. Res. Note FPL -0102,3 p. Sept. 1965. A99.9 F7634Un
- 37245 VEMOLA, J., and GEBAUER, J. Mechanized line for the production of glued wood structures. (Cz) Drevo 20(8):281-283. Aug.1965. 99.82 D81

Furniture

- 37246 GHEORGHIU, I. Technology of treatment, processing and utilization of improved fiberboards for the manufacture of kitchen furniture. (Rum) Indus. Lemnului 16(2):44-48. Feb.1965. 99.82 In23
English summary.
- 37247 STAMATE, S. Treatment and processing of improved fiberboards to be used in the manufacture of furniture. (Rum) Indus. Lemnului 16(6):217-224. June 1965. 99.82 In23
English summary.
- 37248 SURUPACEANU, N., and others. New models of the furniture showing reduced utilization of the wood of conifers and beech. (Rum) Indus. Lemnului 16(9):332-337. Sept.1965. 99.82 In23
A. Niculescu, E. Deculescu, and A. Pratscher, joint authors.

Containers

- 37249 GANSNER, D. A. Consumption of cooperage logs in the Central States, 1964. U. S. Forest Serv. Res. Note CS-39,4 p.,map. Aug.1965. A99.9 F7629

Pulp and Paper

- 37250 BAWAGAN, P. V., ESCOLANO, J. O., and YNALVEZ, L. A. Bag and wrapping papers from benquet pine (*Pinus insularis* Endl.). Lumberman [Manila] 11(3):50-52. Apr./May 1965. 99.81 L9793
- 37251 BODENHEIMER, V., and SMITH, J. H. Principles of pulp bleaching. Southern Pulp Pap. Manufacturer 29(2):48-49,51-52,54-56,59-60,62-63,66,70-71. Feb.10,1966. 302.8 So8
- 37252 CARVALHO, J. DA S. *Quercus suber* and *Eucalyptus globulus*, raw materials for wood pulp. (Por) Port. Junta Nac. Cortica. Bol. 28(323):191-194. (Cont.) Sept.1965. 309.9 J96
- 37253 CHAWLA, J. S., and GANDOTRA, M. M. Pulp- ing characteristics of *Ipomoea carnea* Jacq. Indian Pulp Pap. 20(5):329,331,335-336. Nov. 1965. 302.8 In23
- 37254 CROSSLEY, N., and OGUNLE, O. A. Studies on the suitability of Nigerian raw materials for paper making. I. Supplement: Effect of drying wood pulp on paper properties. Nigeria. Fed. Inst. Indus. Res. Res. Rep. 28,10 p. Sept.1964. 297.9 Os4
Gmelina arborea.
- 37255 DAVANT, J. W. Wall Street looks at the pulp and paper industry. Pap. Trade J. 150(7):45-47. Feb.14,1966. 302.8 P196
- 37256 DOW, A. M., HOPES, S. T., and RUSTEN, D. High yield bleached semi-chemical hardwood pulps. Norsk Skogindus. 19(11):440-445. Ref. Nov.1965. 99.82 N81
Manufacture.
- 37257 GANSNER, D. A. Consumption and harvest of pulpwood in the Central States, 1964. U. S. Forest Serv. Res. Note CS-40,8 p.,map. Aug. 1965. A99.9 F7629
- 37258 GOTTSCHING, L., and NORDMAN, L. The papermaking and beating characteristics of different unbleached birch and pine sulfate pulps. (Ge) Papier 20(1):14-22. Ref. Jan.1966. 302.8 P1934
English summary.
- 37259 GROBELNY, I., and ILLUKOWICZ, W. Determination of pentosans in chemical pulps. 7 p. (OTS 61-11382) Transl. 14297
Translation from Przegląd Papierniczy 1:1-3. 1960.
- 37260 GUHA, S. R. D., and others. Production of writing and printing papers from a mixture of Nagaland hardwoods. Indian Forest. 91(10): 754-757. Oct.1965. 99.8 In2
S. N. Dhoundiyal, G. M. Mathur, and Y. K. Sharma, joint authors.
- 37261 GUHA, S. R. D., and NEGI, J. S. Semi-chemical pulping of *Cassia siamea*. Indian Pulp Pap. 20(5):317-319. Nov.1965. 302.8 In23
- 37262 GUHA, S. R. D., and NEGI, J. S. Writing and printing paper from *Melia azedarach* Linn. (Persian lilac). Indian Forest. 91(12):867-869. Dec.1965. 99.8 In2
- 37263 HAGGLUND, E., and JOHNSON, T. Chemical properties and different value of early- and latewood as raw material for sulphite pulp production. 2 p. Transl. 15073
Translation from Zellstoff und Papier 7:49-50. n.d.
- 37264 HAYASHI, A. Studies on lignosulfonate. XXII. The reaction of dichromate with catechol group in lignosulfonate. Jap. Wood Res. Soc. J. 11 (6):253-258. Ref. Dec.1965. 99.9 J2793
- 37265 HENRIKSEN, O. Quo vadis? Considerations on the pulp and paper industry. (No) Norsk Skogindus. 19(11):430-436. Nov.1965. 99.82 N81
- 37266 KENNEDY, R. J., and LAZIER, S. S. The water transportation of pulpwood. III. Structures. Woodlands Res. Index 176,63 p. Ref. Nov.1965. 99.8 W855A
- 37267 KLEINERT, T. N. Lignin grafting onto cellulose during alkaline pulping. (Ge) Holzfor- schung 19(6):179-183. Ref. Dec.1965. 99.8 H74
- 37268 MELAAEN, B. Use of infra-red and highfrequency rays for drying of pulp and paper. (No) Norsk Skogindus. 19(11):471-474. Nov.1965. 99.82 N81
English summary.
- 37269 MONSALUD, M. R., BAWAGAN, P. V., and ESCOLANO, J. O. Properties of wrapping papers from Philippine fibrous raw materials as related to pulp blending. Lumberman [Manila] 11 (3):10,12,14,16,54. Apr./May 1965. 99.81 L9793
- 37270 PEHRSON, R. Flash-drying of the mechanical pulp. (No) Norsk Skogindus. 19(11):462-468, 470. Nov.1965. 99.82 N81
English summary.
- 37271 RAPSON, W. H. From laboratory curiosity to heavy chemical; a quarter century of chlorine dioxide research and development is traced by the 1965 R. S. Jane Memorial lecturer. Chem. Can. 18(1):25-31. Ref. Jan.1966. 381 C4236
Wood pulp bleaching.
- 37272 SCHMIDT, E. The effects of chlorine dioxide on vegetable cell walls and natural proteins. (Ge) Papier 19(10A):728-735. Ref. Oct.1965. 302.8 P1934
English summary.
Fagus sylvatica wood.
- 37273 SEMPLE, R. M. G. Further trials of chemicals for de-barking hardwood pulpwood. Great Brit. Forest. Comm. Rep. Forest Res. 1964: 195-199. 1965. 99.9 G795Re
Diquat and Paraquat tested.
- 37274 SIMMONDS, F. A. Engelmann spruce [*Picea engelmanni*], subalpine fir [*Abies lasiocarpa*], and lodgepole pine [*Pinus contorta*] mixtures for bleached groundwood, kraft, and sulfite viscose-grade pulp. U. S. Forest Serv. Res. Paper FPL-38,8 p. Sept. 1965. A99.9 F7634U
- 37275 SOUTHERN PULPWOOD CONSERVATION ASSOCIATION. [Proceedings] of area meetings, 1965. Unit 106,53 p. Sept.1965. 99.9 Un34
Area chairmen: J. A. Nelson, Area I; E. Keller, Area II; C. A. Brown, Area III; R. H. Highland, Area IV.
- 37276 ULLEVALSETER, O. Storage of unbarked spruce cause damage of tannin on pulpwood. (No) Norsk Skogindus. 19(11):475-477,480-485. Ref. Nov.1965. 99.82 N81
English summary.
- 37277 YOUNG, H. E., and CHASE, A. J. Fiber weight and pulping characteristics of the logging residue of seven tree species in Maine. Maine. Agr. Exp. Sta. Tech. Bull. 17,44 p. Ref. July 1965. 100 M28B

Chemical Products and Distillates

- 37278 BAWAGAN, P. V. Charcoal production and briquetting. *Philippine J. Forest.* 17(3/4):191-203. Third/Fourth Q.1961, pub.1965. 99.8 P53
- 37279 BAWAGAN, P. V., VILLANUEVA, E. P., and LAXAMANA, N. B. Kiln charcoal—its manufacture production cost, and uses. *Lumberman [Manila]* 11(3):25,28-30,62. Ref. Apr./May 1965. 99.81 L9793
- 37280 BERI, R. M., and KARNIK, M. G. Chemical examination of bark of *Terminalia paniculata* Roth. *Indian Forest.* 91(10):748-750. Oct.1965. 99.8 In2
Extractives.
- 37281 FENGEL, D. On the changes of the wood and its components within the temperature range up to 200°C. I. Hot and cold water extracts of thermally treated sprucewood. (Ge) *Holz Roh-Werkstoff* 24(1):9-14. Ref. Jan.1966. 99.81 H74
English summary.
- 37282 GONZALES, E. V. Important sources and uses of tanbarks and tannin extracts in the Philippines. *Philippine J. Forest.* 17(3/4):149-156. Ref. Third/Fourth Q.1961, pub.1965. 99.8 P53
- 37283 HANCOCK, W. V., and SWAN, E. P. The petroleum ether soluble extractives of British Columbia Coastal and interior-type Douglas fir. *Phytochemistry* 4(6):791-798. Ref. Nov.1965. 450 P5622
- 37284 KARNIK, M. G., SHARMA, O. P., and DOBHAI, N. P. Pilot plant production of katha and cutch from khair tree—*Acacia catechu* Willd. *Indian Forest* 91(11):778-780. Nov.1965. 99.8 In2
- 37285 KUCK, A. M. ()-N-methyl-corydine, a new quaternary alkaloid from *Fagara nigrescens* Fries. *Chem. Indus.* 3:118. Jan.15,1965. 382 M31C
From the bark extract.
- 37286 POISSON, J., and others. Alkaloids of *Voacanga*; structure of epivoacangarine and epivoacarine, alkaloids from the trunk bark of *Voacanga bracteata* Stapf. (Fr) *Soc. Chim. France. Bull.* 12:3549-3552. Ref. Dec.1965. 383 P21B
F. Puisieux, C. Miet, and M. B. Patel, joint authors.
- 37287 REMINGTON, F. L. Wood chemistry: new wealth from wood. *Pulpwood Prod. Saw Mill Logging* 13(4):40,42. Apr.1965. 99.81 P96
Reprinted from *Ethyl News*.
- 37288 SANDERMANN, W., and BURNS, K. Chemistry of larixol from larch [*Larix europaea*]. (Ge) *Naturwissenschaften* 52(20):560-561. Oct.15, 1965. 474 N213
- 37289 SUMAROKOV, V. P., VAN'YAN, M. L., and ASKINAZI, A. I. Tallovoe maslo [Tall oil]. *Moskva, Lesnaya Promyshlennost'*, 1965. 147 p. TP684.T3S9
- 37294 BEILKO, J. Finishing of fiberboards. (Cz) *Drevo* 20(8):292-294. Aug.1965. 99.82 D81
- 37295 DRAGAN, P. On the theory of the effect of fractioning chips in the manufacture of chip-board. (Rum) *Indus. Lemnului* 16(9):324-326. Sept.1965. 99.82 In23
English summary.
- 37296 GRIGOR, A., MITISOR, A., and MARINESCU, I. A contribution to the study of the sticking of fiberboards to the matrices during the process of hot pressing. (Rum) *Indus. Lemnului* 16(3):81-85. Mar.1965. 99.82 In23
English summary.
- 37297 HAGEA, I. Production of wood wool. (Rum) *Indus. Lemnului* 16(2):51-56. Feb.1965. 99.82 In23
English summary.
- 37298 HOFFMAN, V., and others. Heat conductivity of fiberboards and particle boards. (Rum) *Indus. Lemnului* 16(8):297-299. Aug.1965. 99.82 In23
V. Sova, N. Vestemeanu, and M. Sova, joint authors.
English summary.
- 37299 KUMAR, V. B. Comparison between defibrator and semichemical methods of hardboard production. (Ge) *Holz Roh-Werkstoff* 24(1):15-18. Jan.1966. 99.81 H74
English summary.
- 37300 LAMBRU, A., and CRISTEA, I. Hydrolysis of beech wood chips used in the manufacture of fiberboards. (Rum) *Indus. Lemnului* 16(5):175-179. May 1965. 99.82 In23
English summary.
- 37301 MARTIN, R. Accelerated drying of chipwood. *Quart. J. Forest.* 60(1):65-67. Jan.1966. 99.8 Q2
Used for particle board.
- 37302 MYHRE, O. A. Market investigation of use of wood fibreboard. (No) *Norsk Skogindus.* 19 (11):457-461. Nov.1965. 99.82 N81
- 37303 RADU, A., METIANU, I., and SACHELARESCU, V. Determination of the optimal regime of sawing particle boards with circular saws. (Rum) *Indus. Lemnului* 16(5):164-172. May 1965. 99.82 In23
English summary.
- 37304 RAJKOVIC, E. New type of rotatory driers for particle boards. (Cz) *Drevo* 20(10):359-360. Oct.1965. 99.82 D81
- 37305 ROMAIOS, K. Christmas tree. (Gre) *Dassika Chron.* 86(7):511-512. Dec.1965. 99.8 D263
History.
- 37306 SAITO, T., and others. Effect of densification patterns on strength properties of particle-boards. (Ja) *Hokkaido Forest Prod. Res. Inst. Rep.* 45:1-17. Ref. Sept.1965. 99.9 As12
T. Anazawa, R. Mitsunaga, and M. Kitazawa, joint authors.
English summary.

Naval Stores

- 37290 BARDYSHEV, I. I., TKACHENKO, O. T., and CHERCHES, KH. A. Quantitative composition of resin acids extracted from pine rosin. (Rus) *Zhur. Prikladnoi Khim.* 38(9):2049-2053. Sept. 1965. 385 Z64
- 37291 KARNIK, M. G., and BHATIA, K. A note on gurjan oil from *Dipterocarpus griffithii* Miq. *Indian Forest.* 91(12):864-866. Dec.1965. 99.8 In2

Other Forest Products

- 37292 AARON, J. R. Wood chips as litter for cattle and poultry. *Chartered Land Agents' Soc. J.* 65(2):58-63. Feb.1966. 282.9 L22
- 37293 BALOGH, F. Possibilities for economic utilization of small-sized wood. (Hu) *Erdo* 15(1):17-22. Jan.1966. 99.8 Er22
German summary.
Industrial and fuelwood utilization.

WOOD TECHNOLOGY

- 37309 BAVENDAMM, W. On the time of effectiveness of the extractives causing the natural resistance of woods. 11 p. Ref. *Transl.* 14400
Translation from *Holz als Roh- und Werkstoff* 21(11):441-446. Nov.1963.
- 37310 BROWER, H. E., JEFFERY, J. E., and FOLSOM, M. W. Gas chromatographic sugar analysis in hydrolyzates of wood constituents. *Anal. Chem.* 38(2):362-364. Feb.1966. 381 J825A

- 37311 BUCHER, H. Morphological studies in wood chemistry and the diffusion of fluids in spruce wood. 11 p. Transl. 15307
Translation from Beih. Z. Schweiz. Forstver. 30:21-29. 1960.
- 37312 FUKUZUMI, T., and SHIBAMOTO, T. Enzymatic degradation of lignin. IV. Splitting of veratrylglycerol-beta-guaiacyl ether by enzyme of *Poria subacida*. (Ja) Jap. Wood Res. Soc. J. 11(6):248-252. Dec.1965. 99.9 J2793
- 37313 HANSLIAN, L., and KADLEC, K. Wood from sanitation point of view. 5. Chemically changed wood substances. (Cz) Drevo 20(9):325-327. Sept.1965. 99.82 D81
- 37314 ISHIZU, A., and others. Effect of alkaline cooking on lignin. VII. Condensed type structure of vanillic acid in alkali lignin. (Ja) Jap. Wood Res. Soc. J. 11(2):53-59. Ref. Apr.1965. 99.9 J2793
J. Nakano, T. Ogino, and N. Migita, joint authors.
English summary.
- 37315 MENON, P. K. B. Guide to distribution of silica in Malayan woods. Malayan Forest 28(4):284-288. Oct.1965. 99.8 M292
- 37316 RUDMAN, P. The causes of natural durability in timber. XIX. Ageing of Eucalypt heartwoods and its effects on decay resistance. Holzforschung 19(6):190-195. Ref. Dec.1965. 99.8 H74
- 37317 SCHUBERT, W. J. Lignin biochemistry. New York, Acad. Press, 1965. 131 p. Ref. QK898.L5S3
- 37318 SCHURZ, J. The analytical aspects of cellulose and pulp—main topic of the cellulose chemist's round-table discussion held at the 1965 Baden-Baden annual meeting. (Ge) Papier 20(1):22-30. Ref. (Cont.) Jan.1966. 302.8 P1934
English summary.
Abstracts of papers.
- 37319 SHARKOV, V. I. Study of supermolecular structure of cellulose using hydrolysis and ethanolysis. 17 p. Transl. 14932
Translation from Symp. u. aktuelle Fragen der Chem. u. Tech. des Zellstoffes 1961:23-42.
- 37320 TIMELL, T. E. Wood hemicelluloses. II. Advances Carb. Chem. 20:409-483. Ref. 1965. 381 Ad9
Literature review.
- Properties and Structure
- 37321 BELLOSILLO, S. B. Mechanical and related properties of wood and their importance to wood-using industries. Lumberman [Manila] 11(3):6,8. Apr./May 1965. 99.81 L9793
- 37322 BRAMHALL, G. Permeability of Douglas-fir heartwood from various areas of growth in B. C. Brit. Columbia Lumberman 50(1):98, 100,102,map. Jan.1966. 99.81 B77
- 37323 COMBEN, A. J. Preliminary assessment on the properties of some savanna timber species. Nigerian Forest. Conf. Proc., 1st Conf.:12-19. 1964. 99.9 N567
- 37324 FUJISAKI, K. Studies on factors affecting the modulus of elasticity of wood on the relation between the inclination of micellar orientation and modulus of elasticity. I. 3 p. Transl. 15071
Cryptomeria japonica.
Translation from Bull. Ehime Univ. Forest 1:34-37. n.d.
- 37325 FUJITA, S., and NAKATO, K. Studies on the drying check. I. The behavior of shrinkage under tensile load. (Ja) Jap. Wood Res. Soc. J. 11(2):36-40. Apr.1965. 99.9 J2793
English summary.
- 37326 FUJITA, S., and NAKATO, K. Studies on the drying check. II. The effects of the tensile load on the deformation and creep failure. (Ja) Jap. Wood Res. Soc. J. 11(6):236-239. Dec. 1965. 99.9 J2793
English summary.
- 37327 GOTZE, H. On the structure, physical properties and utilization of poplar wood. I. Structure and reaction wood. (Ge) Holzindustrie 18(9):269-271. Sept.1965. 99.82 H742
- 37328 HON, L. Y., and PUN, C. Y. The strength properties of Malayan timbers. Malayan Forest 28(4):307-319. Oct.1965. 99.8 M292
- 37329 ITSKOVICH, E. A. The direction of stresses in wood following its penetration by a cutting tool. 5 p. Transl. 15180
Translation from Lesnoi Zhurnal 3:114-118. 1963.
- 37330 JAYME, G., and TORGENSEN, H. F. On concentric laminations in the cellwall of spruce-wood tracheids. (Ge) Holz Roh- Werkstoff 24(1):1-4. Ref. Jan.1966. 99.81 H74
English summary.
- 37331 JENKINSON, P. M. Effect of core thickness and moisture content on mechanical properties of two resin-treated paper honeycomb cores. U. S. Forest Serv. Res. Paper FPL 35,24 p. Sept.1965. A99.9 F7634U
Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.
Sandwich panels.
- 37332 KANO, T., and SAITO, H. A new device for measurement of fiber direction. (Ja) Jap. Wood Res. Soc. J. 11(2):33-35. Apr.1965. 99.9 J2793
English summary.
- 37333 KUENZI, E. W., BOHANNAN, B., and STEVENS, G. H. Buckling coefficients for sandwich cylinders of finite length under uniform external lateral pressure. U. S. Forest Serv. Res. Note FPL-0104,26 p. Ref. Sept.1965. A99.9 F7634U
Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.
- 37334 KUFNER, M. Development of a procedure for investigating the deformation behavior of wood-base board materials. (Ge) Holz Roh- Werkstoff 24(1):4-9. Jan.1966. 99.81 H74
English summary.
- 37335 MAMADA, S. Puncture test in plywood and hardboard. IV. (Ja) Jap. Wood Res. Soc. J. 11(6):245-247. Dec.1965. 99.9 J2793
English summary.
- 37336 SACHL, M. Laboratory tests of ski wood. (Cz) Drevo 20(9):328-330. Sept.1965. 99.82 D81
- 37337 SACHSSE, H. Properties, evaluation and utilization of maple and ashwood. (Ge) Allg. Forstz. 21(3):54-57. Ref. Jan.15,1966. 99.8 AL52
- 37338 STEVENS, G. H. Effect of thermal cycling on tensile and compressive strength of reinforced plastic laminates. U. S. Forest Serv. Res. Paper FPL-37,8 p. Aug.1965. A99.9 F7634U
Issued in cooperation with the MIL-HDBK-17 Working Group on Plastics for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.
- 37339 THOR, E. Variation in some wood properties of eastern white pine. Forest Sci. 11(4):451-455. Dec.1965. 99.8 F7632
- 37340 TSOUNIS, G. Investigations on moisture content variation of seasoned wood. 18 p. Ref. Transl. 14340
Translation from Holz als Roh-und Werkstoff 18(11):415-422. 1960.

- 37341 TSUTSUMI, J., and WATANABE, H. Studies on dielectric behavior of wood. I. (Ja) Jap. Wood Res. Soc. J. 11(6):232-236. Dec.1965. 99.9 J2793
English summary.
- 37342 UGOLEV, B. N. Determination of the rheological properties of wood. 7 p. Transl. 15190
Translation from Derevoobrabatyvayushchaya Promyshlennost 12(2):17-19. Feb.1963.
- 37343 VIKHROV, V. E. Structure and physicommechanical properties of spring- and summerwood of oak. 11 p. Ref. (OTS 64-11070)
Transl. 14838
Translation from Akademiya Nauk SSSR. Institut Lesa. Trudy 9:29-38. 1953.
Issued by CFSTI.
- 37344 WENGERT, E. M. Effect of atmospheric gases on color changes in wood exposed to ultraviolet light. Fed. Soc. Paint Technol. Off. Dig. 38 (493):71-76. Ref. Feb.1966. 306.9 F31

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 37345 BORISENKO, E. YA., and KHITENKOV, G. G. Governmental pedigree books and measures of their improvement. (Rus) Zhivotnovodstvo 12: 13-17. Dec.1965. 49 Z6
- 37346 DASSAT, P. Fertility and consanguinity. (It) Agricoltura 14(9):61-66. Sept.1965. 16 Ag8226
In livestock breeding and artificial insemination.
- 37347 HUNIK, J. Effectiveness of basic methods of breeding. (Cz) Drubeznictvi 13(8):115-117. Aug.1965. 47.8 D843
Livestock.
- 37348 NETHERLANDS. CENTRALE COMMISSIE VAN TOEZICHT OP DE UITVOERING DER K. I. BIJ DIEREN. Jaarverslag K. I. [Annual report on artificial insemination], 4, 1964. Utrecht, 1965. 100 p.,map. 43.9 N38
English summary.
- 37349 NIEPER, R. Training an artificial inseminator. Queensland Agr. J. 92(1):51-53. Jan.1966. 23 Q33
- 37350 OVSYANNIKOV, A. I. Livestock breeds and the methods for their improvement. (Rus) Zhivotnovodstvo 12:3-12. Dec.1965. 49 Z6
- 37351 PILLA, A. M. Undesirable recessive genes in domestic animal populations. (It) Ann. Sperim. Agr. (n.s.)17(3/4):413-432. Ref.,p.428-432. 1963,pub.1965. 16 An76
English summary.
- 37352 YUZLIKAEV, R. D., and AKHMEDIEV, A. Quicker method for reproduction of camels. (Rus) Zhivotnovodstvo 12:61-63. Dec.1965. 49 Z6
Pregnant mare's serum in stimulation of estrus.

FEEDS AND FEEDING

- 37353 ANDERSSON, A. Analysis of silage prepared in 1964. (Sw) Malmohus Lans Hushallnings-sallsk. Kvartalsskr. 2:200-203. 1965. 11 M29
- 37354 ANWAR, A. Supplementation of low quality fish and meat meals with L(-) lysine hydrochloride plus DL-methionine. Poultry Sci. 44(6):1505-1508. Nov.1965. 47.8 Am33P
- 37355 BELEKHOV, G. P., and CHUBINSKAYA, A. A. Mineral'noe i vitaminnoe pitanie sel'skokho-zyaistvennykh zhivotnykh [Role of minerals and vitamins in livestock nutrition]. Ed. 2., rev., and enl. Leningrad, Kolos, 1965. 300 p. SF95.B4
- 37356 BROWN, W. O., and KERR, J. A. M. Losses in the conservation of heavily-wilted herbage sealed in polythene film in lined trench silos. Brit. Grassland Soc. J. 20(4):227-232. Ref. Dec.1965. 60.19 B773
- 37357 CONGRES NATIONAL DES INDUSTRIES DE L'ALIMENTATION ANIMAL, 5, PARIS, 1965. [Actes-Proceedings]. Indus. Aliment. Anim. 165,92 p. Nov.1965. 389.78 In2
- 37358 CROSS, M. W. More efficient methods in hay-making can improve quality and lessen costs. New Zeal. J. Agr. 111(7):24-25,27. Dec.1965. 23 N48J
- 37359 DILLEHAY, J. W. Vitamin A and coccidiosis resistance. Anim. Nutr. Health 20(11):13-14. Nov.1965. 389.78 W52
In livestock nutrition.

- 37360 DVORAK, Z., and others. Lysine in the meat and blood meals. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(5):341-346. Ref. May 1965. 49.9 C33
I. Vognarova, A. Havelkova, and Z. Hola, joint authors.
English summary.
Feed.
- 37361 DYMAN, V. K. Study of problems in the live-stock feeding. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 12:143-146. Dec.1965. 20 V633
At Timiryazev Agricultural Academy, Chair of Livestock Feeding [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya, Kafedra Kormleniya Sel'skokhozyaistvennykh Zhivotnykh].
- 37362 FEED additive compendium, 1966. Minneapolis, Miller Publ., Co., 1965. 376 p. SF97.F4
Animal Health Institute of Washington, D. C., cooperates in publishing.
Loose-leaf kept up to date by monthly supplementary sheets.
- 37363 FERREIRA, M. F. Amino acids and nutritive value of the protein of corn meal for feed. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuário 32(2):13-22. Ref. 1964. 41.8 P83
English summary.
- 37364 FERREIRA, M. F. Available lysine in fish meal. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuário 32(2):23-35. Ref. 1964. 41.8 P83
English summary.
- 37365 FERREIRA, M. F. The quality of the protein in carob beans. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuário 32(2):5-12. Ref. 1964. 41.8 P83
English summary.
Amino acid composition.
- 37366 FLACCOMIO, E. "Nihil novi sub sole;" sea salt in animal feeding and as fertilizer, but its virtues have been forgotten with fertilization and concentrated feeds supplied by the chemical industry. (It) Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet. 47(12):638-640. Dec.1965. 308.8 R52
- 37367 GMELIN, W. The link to practice. (Ge) Mitt. Deut. Landwirt.-Ges. 80(46):1759-1762. Nov.18,1965. 18 N39
Livestock feeding advisory work and the work of the German Agricultural Society [Deutsche Landwirtschafts-Gesellschaft].
- 37368 GUSTUN, M. I. Content of minor elements in forage plants of Kaluzh Region. (Rus) Khim. Sel'skom Khoz. 3(9):67-68. Ref. Sept.1965. 385 K524
- 37369 HEDREN, A. Experiments with ensiling of grain in silos. (Sw) Lantmannen 76(15):18-19. July 24,1965. 11 L234
- 37370 HEINIGER, A. Silage control-additives and silage quality 1964/65. (Ge) Grune 93(21):761-764. May 21,1965. 17 Sch9
Switzerland.
- 37371 HOORN. INSTITUUT VOOR VEEVOEDINGS-ONDERZOEK. Verslag over het jaar 1964 [Report for the year 1964 of the Institute for Livestock Feeding Research]. Hoorn, 1965. various paging. 105.2 H762
Hoorn Vereniging tot Exploitatie van het Veevoedingsproefbedrijf, cooperating.
- 37372 KABISCH, H. Nettle meal-algae meal? (Ge) Lebendige Erde 4:174-175. July/Aug.1965. 18 L49
Urtica dioica in animal nutrition and its culture.
- 37373 KINSINGER, F. E. Rest cure for "tired" grass. Our Publ. Lands 15(3):15. Dec.1965. 156.55 Ou7
For livestock grazing.

- 37374 KOLONII, V. P. Nitrogen-phosphorus mineral feed supplements in sugar beet pulp for livestock. (Rus) *Khim. Sel'skom Khoz.* 1:59-62. Jan.1965. 385 K524
- 37375 LARIONOV, P. S., and TARANOV, M. T. Chemical conservation of silage using ammonium salts. (Rus) *Khim. Sel'skom Khoz.* 3 (10):63-65. Oct.1965. 385 K524
Corn.
- 37376 LAZARYAN, A. KH. New methods in storage of silage and other feeding stuff. (Rus) *Khim. Sel'skom Khoz.* 2:72. Feb.1965. 385 K524
Use of plastics.
- 37377 LOEN, A. VAN. Amino acids in animal nutrition. I. Amino acid requirements in relation to energy level. (Du) *Tijdschr. Diergeneesk.* 90 (23):1591-1602. Ref. Dec.1,1965. 41.8 T431
English summary.
- 37378 MALIK, M. N., and KHAN, A. A. Nutritive value of grasses. 1. Basic chemical composition of certain grasses. *Pakistan J. Forest.* 15(4): 310-318. Oct.1965. 99.8 P17
- 37379 MAYMONE, B., TIBERIO, M., and BATTAGLINI, A. Digestibility and nutritive value of the by-products of rice processing. (It) *Ann. Sperim. Agr. (n.s.)* 16(1/2):129-165. Ref. 1962, pub.1965. 16 An76
English summary.
Feed; includes composition.
- 37380 MAYMONE, B., and BATTAGLINI, A. Digestibility, nutritive value and active principle of artichoke leaves (*Cynara scolymus* L.). (It) *Ann. Sperim. Agr. (n.s.)* 16(1/2):5-16. 1962, pub. 1965. 16 An76
English summary.
For animal feeding.
- 37381 MAYMONE, B., REGENSBURGER, G., and CELSO, P. M. DL. Digestibility, nutritive value and possibility of spread of *Psoralea bituminosa* L., a perennial leguminous plant of the sterile soils of the southern low hills. (It) *Ann. Sperim. Agr. (n.s.)* 17(3/4):227-246. 1963, pub.1965. 16 An76
English summary.
- 37382 MAYMONE, B., BATTAGLINI, A., and CELSO, P. M. DL. The lathyrism, digestibility and net energy of *Lathyrus* species. (It) *Ann. Sperim. Agr. (n.s.)* 17(3/4):271-295. Ref. 1963, pub.1965. 16 An76
English summary.
- 37383 MAYMONE, B. Oestrogens of the meadow flora and effects in animal feeding. (It) *Ann. Sperim. Agr. (n.s.)* 17(3/4):I-XXXI. Ref. 1963, pub.1965. 16 An76
English summary.
- 37384 MAYMONE, B., DATTILO, M., and GIACOMINI, A. Research on the digestibility and on the nutritive value of *Oxalis cernua* Thunb. (It) *Ann. Sperim. Agr. (n.s.)* 16(1/2):105-128. 1962, pub. 1965. 16 An76
English summary.
- 37385 MELVIN, J. F. Variations in the carbohydrate content of lucerne and the effect on ensilage. *Australian J. Agr. Res.* 16(6):951-959. Ref. Nov.1965. 23 Au783
- 37386 MILLEN, H. M. Molasses and surfactants in feed. *Anim. Nutr. Health* 20(11):16-17. Nov. 1965. 389.78 W52
- 37387 MIX, S. A. Solid wastes: every day, another 800 million pounds. *Today's Health* 44(3):46-48. Mar.1966. 449.8 H993
Its possible use to produce animal food.
- 37388 MOLNAR, J., and CSIKVARY, L. The chemical industry and livestock raising. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 340:6-10. Feb.17 1965. (JPRS 28,798) 173 J663St3
Translation from Magyar Mezogazdasag 20 (1):12-13. Jan.6,1965.
Chemicals in feed.
- 37389 NICHOLSON, J. W. G., and LANGILLE, J. E. The comparative nutritive value of *Spartina pectinata* and timothy [*Phleum pratense*] at several stages of growth. *Can. J. Anim. Sci.* 45(3):157-163. Ref. Dec.1965. 41.8 C163
- 37390 NILSSON, R., and RYDIN, C. A new method of ensiling foodstuffs and feedstuffs of vegetable and animal origin. *Enzymologia* 29(3/5):126-142. Nov.6,1965. 390.08 En9
Chiefly on ensiling of forage crops and the possibility of using the method for human food.
- 37391 O'SHEA, J., and WILSON, R. K. Relationship between in vitro and in vivo dry matter digestibility. *Irish J. Agr. Res.* 4(2):235-237. Oct. 1965. 10.5 Ir45
Forage plants for ruminant feeding.
- 37392 OSHIMA, M., and TASAKI, I. Studies on composition and nutritive value of forage grass by means of structural analysis. VIII. Comparison of nutritive value of proteins in red clover silage and silage for rat. (Ja) *Jap. J. Zootech. Sci.* 37(1):1-6. Ref. Jan.1966. 49 N62
English summary.
- 37393 PEREZ, C. B. Evaluation of urea-phosphate as a source of nitrogen and phosphorus for ruminants. *Diss. Abs.* 26(6):2951-2952. Dec.1965. 241.8 M58
- 37394 PORTUGAL, ESTACAO ZOOTECNICA NACIONAL. Trabalhos sobre nutricao animal [Works on animal nutrition realized at the National Zootechnical Station]. Port. Dir. Geral Serv. Pecuarios. *Bol. Pecuário* 32(2),168 p. Ref. 1964. 41.8 P83
- 37395 REJLEK, F. Post-harvest processing and handling of potatoes. (Cz) *Za Vysokou Urodu* 13 (9):336-337. Aug.30,1965. 64.8 Z12
Chiefly for feed and ensiling.
- 37396 RIMSHA, P. I., and PAVLOVA, YU. B. Absorption of chemical preservatives by legume protoplasts. (Rus) *Khim. Sel'skom Khoz.* 3(9): 64-66. Sept.1965. 385 K524
Preparation of clover for silage.
- 37397 RUZICKA, B., and STOLEJDA, J. Determination of the biological effectiveness of chlor-tetracycline and its content in the "Aureovit 12" feed supplement. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(5):357-366. Ref. May 1965. 49.9 C33
English summary.
- 37398 SATAPATHY, N. Some effects of source and level of dietary nitrogen upon feed intake and rumen acid production in ruminants. *Diss. Abs.* 26(6):2953. Dec.1965. 241.8 M58
- 37399 SCHAAF, D. VAN DER. Weather characteristics and the dry matter content of hay. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 22(8):395-398. Aug.1965. 12 N383M
- 37400 SCHNEEWEIS, J. Conservation of steamed and raw potatoes for feed. (Cz) *Za Vysokou Urodu* 13(9):334-335. Aug.30,1965. 64.8 Z12
Silage.
- 37401 SCHULTZE-PETZOLD, H. Nutrition and livestock productivity. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(4):119-120. 1965. 275.249 F26
Research in Germany.
- 37402 SONNEVEND, GY. Increasing the effectiveness and economy of mixed feed. (Hu) *Malomipar Termenyforgalom* 12(9):343-346. Nov./Dec.1965. 298.8 M292
- 37403 SPRAGUE, M. Yield alone—not enough. *Hoard's Dairyman* 111(4):206. Feb.25,1966. 44.8 H65
Nutritive value of forage.
- 37404 STALLCUP, O. T., and DAVIS, G. V. Assessing the feeding value of forages by direct and indirect methods. *Ark. Agr. Exp. Sta. Bull.* 704,30 p. Ref. Oct.1965. 100 Ar42
- 37405 STICHTING C.L.O.-CONTROLE. Wetenschap voor de praktijk; korte samenvattingen van de voordrachten gehouden op de C.L.O.-studiedagen over veevoedingsvraagstukken en aanverwante problemen op 17 en 18 Februari in Tivoli te Utrecht [Science for practice; brief summaries of papers delivered at the C.L.O. study sessions on livestock feeding and related problems on February 17 and 18 in Tivoli at Utrecht]. Hoogland, 1965. 96 p. 389.79 C732

- 37406 TARANOV, M. T. Chemical preservation of green forage with materials containing nitrogen and sulfur. (Rus) Khim. Sel'skom Khoz. 6:55-61. Ref. June 1965. 385 K524
- 37407 WATSON, R. M. Game utilization in the Serengeti: preliminary investigations. II. Wildebeeste. Brit. Vet. J. 122(1):18-27. Ref. Jan. 1966. 41.8 V643
Importance in study of grazing and management.
- 37408 WING, J. M. Succulent feeds high enough in energy? Hoard's Dairyman 111(3):146-147. Feb. 10, 1966. 44.8 H65
- 37409 ZIMMER, E. Development trends in silage preparation. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(5):218-221. May 1965. 18 W763

VETERINARY MEDICINE

- 37410 ABAKUMOVA, L. F., and others. Concerning medicinal properties of Taranal'bin. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:168-170. 1963, pub. 1964. 49.9 AL6T
I. P. Beklemishev, E. A. Mizyakina, and S. B. Khvalibova, joint authors.
A combination of tannides of Polygonum coriarum with blood proteins of animals for treatment of digestive diseases of livestock.
- 37411 AFONSO, J. C., MEIRELES, M. L., and BAPTISTA, H. L. Prevention of pasteurelloses due to Pasteurella multocida. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(3):5-41. Ref. 1964. 41.8 P83
English summary.
Strains isolated in Portugal, vaccines produced, and their immunizing value.
- 37412 AKKADA, A. R. A. The metabolism of ciliate protozoa in relation to rumen function. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 335-345. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p. 360-368.
- 37413 ALIEV, A. A., and KAFAROV, M. SH. Transformation of amino acids in rumen of ruminants fed by urea. (Rus) Khim. Sel'skom Khoz. 6:61-66. Ref. June 1965. 385 K524
- 37414 ALLCROFT, R. Aspects of aflatoxicosis in farm animals. Int. Symp. Mycotoxins Food-stuffs. Proc. 1964:153-162. Ref. 1965. 391.9 In8
Includes discussion.
- 37415 ALLISON, M. J. Nutrition of rumen bacteria. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 369-378. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p. 433-440.
- 37416 ANDREWS, P. Molecular weights of prolactins and pituitary growth hormones estimated by gel filtration. Nature [London] 209(5019):155-157. Ref. Jan. 8, 1966. 472 N21
Livestock studied.
- 37417 ANNISON, E. F. Absorption from the ruminant stomach. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 185-197. Ref. 1964, pub. 1965. 444.9 In86
In particular, volatile fatty acids in the rumen.
Discussion, p. 231-237.
- 37418 ARFAA, F., SABBAGHIAN, H., and BIJAN, H. Studies on Schistosoma bovis (among ruminants) in Iran. Roy. Soc. Trop. Med. Hyg. Trans. 59(6):681-683. Nov. 1965. 448.9 R813
- 37419 ARMSTRONG, D. G. Carbohydrate metabolism in ruminants and energy supply. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 272-288. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p. 289-295.
- 37420 ATKINSON, N. Salmonellosis in Australia. Monogr. Biol. 13:539-589. Ref. 1964. 444.8 P56
Includes livestock.
- 37421 AZEVEDO, J. F. DE, and PALMEIRO, J. M. New cases of infection by Leptospira in field rodents. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(3):127-134, map. 1964. 41.8 P83
English summary.
Leptospira pomona and its importance in spread of the disease in animals in Portugal.
- 37422 BALDWIN, R. L. Pathways of carbohydrate metabolism in the rumen. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 379-389. 1964, pub. 1965. 444.9 In86
Discussion, p. 433-440.
- 37423 BARET, R., MOURGUE, M., and BROU, A. On the metabolism of gamma-guanidobutyric acid in certain vertebrates and invertebrates. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3): 703-705. 1965. 442.9 P21
Includes livestock.
- 37424 BATTISTON, W. C. Veterinary medicine—at times anti-foot-and-mouth disease vaccine fails. (Por) Rev. Criadores 36(430):108, 110-112. Oct. 1965. 43.8 R32
- 37425 BATTISTON, W. C. Veterinary medicine—hematic carbuncle. (Por) Rev. Criadores 36 (422):24-26, 55-56. Feb. 1965. 43.8 R32
- 37426 BERULAVA, S. I. Purification of the foot-and-mouth disease virus with the aid of bentonite of Askamia. (Rus) Vop. Vet. Virusol. 1:203-208. 1964. 41.8 V89
- 37427 BHARGAVA, A. K., and LAKHOTIA, R. L. Uraemia in camel. Indian Vet. J. 42(12):909-911. Dec. 1965. 41.8 In2
- 37428 BLACKBURN, T. H. Nitrogen metabolism in the rumen. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 322-334. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p. 360-368.
- 37429 BLAIR-WEST, J. R., and others. General biological aspects of salivary secretion in ruminants. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 198-220. Ref. 1964, pub. 1965. 444.9 In86
E. Bott, G. W. Boyd, J. P. Coghlan, D. A. Denton, J. R. Goding, S. Weller, M. Wintour, and R. D. Wright, joint authors.
Discussion, p. 231-237.
- 37430 BLAXTER, K. L., and CLAPPERTON, J. L. Prediction of the amount of methane produced by ruminants. Brit. J. Nutr. 19(4):511-522. Ref. 1965. 389.8 B773
- 37431 BLEKHMANN, M. I. Correlation and function of the external and internal intercostal muscles in domestic and certain wild animals. Second report. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13: 256-261. 1963, pub. 1964. 49.9 AL6T
- 37432 BODYAGIN, E., and others. On resistance of organisms causing colibacillosis and salmonellosis to antibiotics. (Rus) Sel'skokhoz. Proizv. Urala 8:54-55. Aug. 1965. 281.8 Se45
L. Artishcheva, Z. Zhirkova, and T. Petrunina, joint authors.
Young livestock.
- 37433 BORISOVICH, F. K., and BORISOVICH, YU. F. Systematized index of native dissertations on general and medical virology for the years 1936-1962. (Rus) Vop. Vet. Virusol. 1:569-579. 1964. 41.8 V89
- 37434 BREDE, H. D. The salmonellosis of southern Africa. (Fr) Monogr. Biol. 13:379-393. Ref. 1964. 444.8 P56
Includes livestock.
- 37435 BRUYERE, P., LAGNEAU, L. E., and MEWISSEN, D. J. Simplified method for culture of peripheral blood for the study of chromosomes in various domestic animals. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):776-779. 1965. 442.9 P21
- 37436 BRYANT, M. P. Rumen methanogenic bacteria. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.: 411-418. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p. 433-440.

- 37437 BURDELEV, T. E., and ZHIL'TZOV, V. G. Praktikum po veterinarii [Laboratory manual on veterinary medicine]. Moskva, Kolos, 1965. 227 p. SF745.B8
- 37438 BUSTAD, L. K., MCCLELLAN, R. O., and GARNER, R. J. The significance of radionuclide contamination in ruminants. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:131-146. Ref. 1964, pub. 1965. 444.9 In86
Sheep, goats, and cattle.
- 37439 BYNOE, E. T., and YURACK, J. A. Salmonellosis in Canada. Monogr. Biol. 13:397-420. Ref. 1964. 444.8 P56
Includes livestock.
- 37440 CALDWELL, D. R., and others. Specificity of the heme requirement for growth of *Bacteroides ruminicola*. J. Bacteriol. 90(6):1645-1654. Ref. Dec. 1965. 448.3 J82
D. C. White, M. P. Bryant, R. N. Doetsch, joint authors.
- 37441 CARTER, H. B. Variation in the hair follicle population of the mammalian skin. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.25-33. Ref. 1965. QP88.5.L9
Includes livestock.
- 37442 CAVINS, E. W., and WOODS, G. T. Rabies exposure and treatment of Illinois veterinarians. Amer. Vet. Med. Ass. J. 148(1):11-13. Jan. 1, 1966. 41.8 Am3
- 37443 CHACKO, G. K., and PERKINS, E. G. Anatomical variation in fatty acid composition and triglyceride distribution in animal depot fats. Amer. Oil Chem. Soc. J. 42(12):1121-1124. Ref. Dec. 1965. 307.8 J82
Pork, beef, and lamb.
- 37444 CHOLVIN, N. R., SWIFT, C. S., and ERICKSON, H. H. Progress report on the development of an artificial heart. Amer. Vet. Med. Ass. J. 147(12):1620-1627. Dec. 15, 1965. 41.8 Am3
Application in veterinary medicine.
- 37445 COMLINE, R. S., and MESSAGE, M. A. The neuromuscular physiology of the ruminant stomach. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:78-87. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p.124-130.
- 37446 COMPERE, R., and VANUYTRECHT, S. Research on the antitoxic dose in the treatment of molybdenoses by copper. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):709-724. Ref. 1965. 105.1 G344
In livestock.
- 37447 DEODHAR, N. S. Effect of desiccation on the eggs and the larvae of *Mecistocirrus digitatus* (von Linstow, 1906). Indian Vet. J. 42(12):899-901. Dec. 1965. 41.8 In2
Stomach worm.
- 37448 DOMANSKI, A., and ZUBERBIR, E. New veterinary preparations. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:55-56. 1965. 20 M57
Poland.
- 37449 DOUGHERTY, R. W., MULLENAX, C. H., and ALLISON, M. J. Physiological phenomena associated with eructation in ruminants. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:159-170. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p.231-237.
- 37450 DZEKOV, A. Twenty years of veterinary services of SR Macedonia. (Se) Vet. Glas. 19(10):759-763. 1965. 41.8 J93
- 37451 FALUSKAI, L., and CZAKO, J. Hygienic and nutritional tasks with foot-and-mouth disease infected animals. (Hu) Magyar Mezogazdasag 20(51):15-16. Dec. 22, 1965. 19 M27
- 37452 FELLOWES, O. N. Comparison of the inactivation and antigenicity of foot-and-mouth-disease virus by acetyleneimine and by combined effect of ultraviolet light and beta-propiolactone. J. Immunol. 95(6):1100-1106. Ref. Dec. 1965. 448.8 J8232
- 37453 FELLOWES, O. N. Inactivation of foot-and-mouth disease virus by interaction of dye and visible light. Appl. Microbiol. 14(1):86-91. Ref. Jan. 1966. 448.3 Ap5
- 37454 FEY, H. The salmonellosis of livestock and its epidemiological importance. (Ge) Monogr. Biol. 13:171-204. Ref. 1964. 444.8 P56
- 37455 FISCHER, O. Variance analysis in the evaluation of research in livestock production. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedexkotech. Inform. Zivocisna Vyroba 38(6):381-388. Ref. June 1965. 49.9 C33
German summary.
- 37456 FLEISCHER, R. Animal health services in Germany. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 12(4):117-118. 1965. 275.249 F26
- 37457 FUKS, R. Organization and tasks of veterinary services in Bosnia and Herzegovina. (Se) Vet. Glas. 19(10):753-757. 1965. 41.8 J93
- 37458 FUKUMI, H. Salmonellosis in Japan. Monogr. Biol. 13:507-529. Ref. 1964. 444.8 P56
Includes livestock.
- 37459 GALTON, M. M., STEELE, J. H., and NEWELL, K. W. Epidemiology of salmonellosis in the United States. Monogr. Biol. 13:421-444. Ref. 1964. 444.8 P56
Includes livestock and feed as source of contamination.
- 37460 GARTON, G. A. The digestion and assimilation of lipids. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:390-398. Ref. 1964, pub. 1965. 444.9 In86
In the rumen and lower digestive tract.
Discussion, p.433-440.
- 37461 GHYSELS, G. Salmonellosis, 80 years of its history. (Fr) Monogr. Biol. 13:9-18. Ref. 1964. 444.8 P56
- 37462 GIBSON, T. E. Veterinary anthelmintic medication; a review of the literature up to December 1963. Ed. 2. Commonwealth Bur. Helminthol. Tech. Commun. 33, 206 p. 1965. 436.9 C73
- 37463 GLASCOCK, R. F., and SMITH, R. W. A comparison of blood distribution and speed of transport of an estrogen with that of three other blood constituents of a ruminant within two minutes of their injection. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):749-763. Ref. 1965. 105.1 G344
English summary.
- 37464 GLIGORJEVIC, J., and JANKOVIC-ZAGORCIC, A. Possibilities of radioactive decontamination of the skin by ultrasonics. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):1215-1221. 1965. 105.1 G344
Domestic animals.
- 37465 GOMES, J. F., OLIVEIRA E SILVA, R., and VALENTE, M. G. Contribution to the study of the genus *Vibrio* (biochemical characteristics of some species isolated in Portugal). (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuário 32(3):91-111. Ref. 1964. 41.8 P83
English summary.
- 37466 GRAIN, J. First observation on the fibrillar systems in some ciliates of ruminants and horses. (Fr) Arch. Zool. Exp. Gen. 105(2):185-192. Ref. June 1965. 410 Ar24
- 37467 GRESHAM, G. A., and HOWARD, A. N. The atherosclerotic lesion in some mammals: a comparative study. Soc. Roy. Zool. Anvers. Bull. 34:49-53. Ref. Mar. 1964. 410.9 So193
Includes rabbits, rats and swine.
- 37468 GUEGUEN, L. Contribution to the study on intestinal absorption and way of excretion of phosphorus in animals. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):687-697. 1965. 105.1 G344
English summary.
- 37469 HABEL, R. E. Anatomical and histological nomenclature of the ruminant stomach. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:15-23. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p.61-67.

- 37470 HARMEYER, J. Techniques for the experimental study of ruminal protozoa. (Ge) Zentralbl. Veterinarmed. Reihe A. 12(9):841-880. Ref. Dec.1965. 41.8 Z5
English summary.
Includes effects of antibiotics on protozoa and bacteria.
- 37471 HIMES, J. A. A study of electroanesthesia in domestic animals. Diss. Abs. 26(6):3453. Dec. 1965. 241.8 M58
- 37472 HORVAT-MARKOVIC, J. Infectious diseases of the livestock on territory of the district Bjelovar from 1954 to 1963. (Se) Vet. Glas. 19(11):861-866. 1965. 41.8 J93
- 37473 HUNGATE, R. E. Quantitative aspects of the rumen fermentation. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:311-321. Ref. 1964, pub.1965. 444.9 In86
Food utilization by ruminants.
Discussion, p.360-368.
- 37474 INTERNATIONAL SYMPOSIUM ON THE PHYSIOLOGY OF DIGESTION IN THE RUMINANT, 2, AMES, IOWA, 1964. Physiology of digestion in the ruminant—papers, edited by R. W. Dougherty, R. S. Allen, W. Burroughs, N. L. Jacobson, and A. D. McGilliard. Washington, Butterworths, 1965. 480 p. Ref. 444.9 In86
- 37475 JOHNSTON, R. V. The relationship between the pharmaceutical industry and government agencies. Amer. Vet. Med. Ass. J. 147(12):1588-1592. Dec.15,1965. 41.8 Am3
Regulations concerning veterinary drugs, pesticides and other products.
- 37476 JOUBERT, L., and TUAILLON, P. A modern systematic classification of animal viruses. (Fr) Rev. Med. Vet. [Toulouse] 116(2):95-101. Feb.1965. 41.8 R32
English summary.
- 37477 KATES, K. C. Ecological aspects of helminth transmission in domesticated animals. Amer. Zool. 5(1):95-130. Ref. Feb.1965. 410 Am3
- 37478 KHOKHOLKOVA, G. A. Polarographic method in determination of dinitroresol and its transformation products in biological medium. (Rus) Khim. Sel'skom Khoz. 3(8):35-36. Aug. 1965. 385 K524
Test of toxicity to livestock.
- 37479 KISTNER, A. Possible factors influencing the balance of different species of cellulolytic bacteria in the rumen. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:419-432. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.433-440.
- 37480 KLENINA, N. V., LEBEDEVA, E. P., and ANTONOV, V. S. Producing purified preparations of the foot-and-mouth disease virus from animal tissues with the aid of chloroform. (Rus) Vop. Vet. Virusol. 1:196-202. Ref. 1964. 41.8 V89
- 37481 KRADEL, D. C., and DUNNE, H. W. Disease diagnostic services offered by Veterinary Laboratory [Pennsylvania State University]. Sci. Farmer [Penn. Sta.] 13(2):8-9. Winter 1966. 100 P381S
- 37482 KRASKE, H. Development and history of medicine. (Ge) Deut. Tierarztl. 13(12):466-468, 470. Dec.5,1965. 41.8 D484
Chiefly on veterinary medicine.
- 37483 KRASNIKOV, G. A. Electronic microscopic study of the foot-and-mouth disease virus. (Rus) Vop. Vet. Virusol. 1:95-103. Ref. 1964. 41.8 V89
- 37484 LARSSON, S. Physiological mechanisms regulating food intake in ruminants. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:238-239. 1964, pub.1965. 444.9 In86
Discussion, p.289-295.
- 37485 LE MINOR, L. The Salmonella of Madagascar, Nigeria and Senegal. (Fr) Monogr. Biol. 13: 366-378. 1964. 444.8 P56
Includes livestock.
- 37486 LE MINOR, L. The salmonellosis in Indochina and China. (Fr) Monogr. Biol. 13:530-538. Ref. 1964. 444.8 P56
Includes livestock in Vietnam, and Cambodia.
- 37487 LEVINE, N. D. Refresher course on recent advances in parasitology: introductory remarks. Amer. Zool. 5(1):73-77. Ref. Feb. 1965. 410 Am3
Includes livestock.
- 37488 LIKHACHEV, N. S., and others. Experimental anti-foot-and-mouth disease vaccine produced by the State Scientific Control Institute for Veterinary Preparations [Gosudarstvennyi Nauchno-Kontrol'nyi Institut Veterinarnykh Preparatov], and results of its use on the farms. (Rus) Vop. Vet. Virusol. 1:220-226. Ref. 1964. 41.8 V89
S. I. Voinov, G. A. Kozlovskii, and S. D. Orlov, joint authors.
- 37489 LIKHACHEV, N. V., and others. Improvement of the grinding method of virus containing tissues. (Rus) Vop. Vet. Virusol. 1:88-91. 1964. 41.8 V89
G. S. Bezverkhii, S. I. Voinov, B. E. Blekherman, T. A. Perminov, N. S. Skevyrev, and S. R. Dneprov, joint authors.
- 37490 LYNE, A. G., and SHORT, B. F., ed. Biology of the skin and hair growth; proceedings of a symposium held at Canberra, Australia, August 1964. Sydney, Angus & Robertson, 1965. 806 p. Ref. QP88.5.L9
Includes domestic animals.
- 37491 MAILLOUX, M. The sources of leptospirosis contamination in North Africa. (Fr) Z. Tropenmed. Parasitol. 16(3):291-296. Ref. Oct. 1965. 448.8 Z37
English summary.
Includes transmission by rats to livestock.
- 37492 MATSUBAYASHI, H., and AKAO, S. The application of immuno-electron microscopy to the study of cyst development in toxoplasmosis. (Ja) Jap. J. Parasitol. 14(4):55. Aug.1965. 436.8 J27
Livestock.
- 37493 MAYMONE, B., and others. The metabolism of oxalic acid in ruminants given exclusive and prolonged alimentation of Oxalis cernua Thunb. (It) Ann. Sperim. Agr. (n.s.)16(1/2):167-239. Ref. 1962, pub.1965. 16 An76
M. Tiberio, M. Dattilo, and A. Giacomini, joint authors.
English summary.
- 37494 MAYMONE, B. The problem of castration of male domestic animals raised for meat production; proposal for the adoption of new rearing techniques. (It) Ann. Sperim. Agr. (n.s.)17(3/4):LXIII-XCIII. 1963, pub.1965. 16 An76
English summary.
- 37495 MAYMONE, B. Recent findings on the intestinal absorption of calcium and phosphorus and on the biochemical processes of ossification. (It) Ann. Sperim. Agr. (n.s.)17(3/4):XXXIII-LXII. Ref. 1963, pub.1965. 16 An76
English summary.
Livestock.
- 37496 MCGILLIARD, A. D., and JACOBSON, N. L. Physiological development of the ruminant stomach. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:39-50. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.61-67.
- 37497 MEL'NIK, R. I., and others. Use of the foot-and-mouth disease culture virus for the preparation of vaccines and of diagnostic preparations. I-III. (Rus) Vop. Vet. Virusol. 1:104-137. Ref. 1964. 41.8 V89
V. A. Sergeev, A. G. Revenkov, F. F. Lutsevich, T. S. Lavrova, T. L. Fedorova, N. G. Osidze, and B. I. Trubitsyn, joint authors.
- 37498 MEL'NIKOV, N. N., KHASKIN, B. A., and SHVETSOVA-SHELOVSKAYA, K. D. New disinfectants. (Rus) Khim. Sel'skom Khoz. 3:60-63. Ref. Mar.1965. 385 K524
For livestock.

- 37499 MIULESCU, G., FRUMOSU, C., and SCHNEIDER, R. Measures for the prevention of the foot-and-mouth disease in state farms. (Rum) Rev. Gosp. Agr. Stat 17(10):28-30. Oct.1965. 21 R32
- 37500 MOIR, R. J. The comparative physiology of ruminant-like animals. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:1-14. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.61-67.
- 37501 MONTGOMERY, M. J. The role of gastrointestinal tract fill in the regulation of food intake by ruminants. Diss. Abs. 26(7):3564-3565. Jan.1966. 241.8 M58
- 37502 MOUTSCHEN, J. Short tail and no tail in mammals. (Fr) Natur. Belg. 46(7):305-316. Sept. 1965. 410.9 N21
Includes livestock.
- 37503 MURZAMADIEV, A. Concerning the reproduction of brain nerve cells in animals. (Rus) Alma-Ata, Zoovet. Inst. Tr. 13:279-288. Ref. 1963, pub.1964. 49.9 AL6T
- 37504 NABHOLZ, A. Foot and mouth disease in Switzerland. (Ge) Grune 93(51):1817-1822. Dec.17,1965. 17 Sch9
- 37505 NAMIOKA, S., and MURATA, M. Saishin jui saikin-gaku jissu [Modern practice in veterinary bacteriology]. Tokyo, Isseido Shuppanbu. 1965. 323 p. 448.2 N153
- 37506 NAZAROV, V. P. Biological variability of rabies virus. (Rus) Vop. Vet. Virusol. 1:507-514. 1964. 41.8 V89
- 37507 NEDOSEKIN, G., and VAGANOV, G. News in treatment of extremities. (Rus) Konevodstvo i Konnyi Sport 2:33. Feb.1966. 42.8 K832
Cortisone in veterinary medicine.
- 37508 NETTO, L. P., MELLO, P. A. DE, and SUGA, O. Foot-and-mouth disease virus. Strain A-P 28, adapted and modified from a strain "A" Vallee (Guarulhos). (Por) Sao Paulo. Inst. Biol. Arq. 32(2):35-44. Ref. Apr./June 1965. 442.9 Sa6
English summary.
- 37509 NOVICKY, R. Epizootic notes on rabies in Bohemian lands. (Cz) Cesk. Epidemiol. Mikrobiol. Imunol. 14(3):157-162. 1965. 448.8 C332
English summary.
Transmission to livestock by foxes.
- 37510 OLARTE, J., and VARELA, G. Epidemiology of salmonellosis in Mexico. (Sp) Monogr. Biol. 13:445-475. Ref. 1964. 444.8 P56
Includes livestock.
- 37511 OLEINIK, N. K., and DUDNIKOV, A. I. Use of diffused precipitation in foot-and-mouth disease. (Rus) Vop. Vet. Virusol. 1:182-189. Ref. 1964. 41.8 V89
- 37512 OLSON, A. Veterinarbakteriologiska laboratoriet [The Veterinary Bacteriological Laboratory] 1964. Malmohus Lans Hushallningsallsk. Kvartalsskr. 2:186-189. 1965. 11 M29
- 37513 ONODERA, R., TSUDA, T., and UMEZU, M. Enzyme activities in the mucous membrane of digestive canal of the ruminants. I Tohoku J. Agr. Res. 15(1):99-104. Ref. June 1964. 22.5 T574
- 37514 OSBORNE, J. C. Bacterial endotoxin shock: current clinical concepts. Vet. Med./Small Anim. Clin. 60(12):1235-1236. Dec.1965. 41.8 M69
- 37515 OTSUKA, N., and HARA, T. Gross demonstration of the mammalian atrioventricular bundle by a periodic acid-Schiff procedure. Stain Technol. 40(5):305-308. Ref. Sept.1965. 442.8 St1
Tested on livestock.
- 37516 OYE, E., VAN. The salmonellosis in central Africa. (Fr) Monogr. Biol. 13:353-365. Ref. 1964. 444.8 P56
Includes livestock.
- 37517 OYE, E. VAN, ed. The world problem of salmonellosis. Monogr. Biol. 13:606 p., map. Ref. 1964. 444.8 P56
Introduction, by A. Lafontaine.
Papers in English, French, German, or Spanish.
- 37518 PALMQUIST, D. L., and BALDWIN, R. L. Enzymatic techniques for the study of pathways of carbohydrate utilization in the rumen. Appl. Microbiol. 14(1):60-69. Ref. Jan.1966. 448.3 Ap5
By ruminal bacteria.
- 37519 PANKOVA, G. E., and TSUVERKALOV, D. A. Cultivation of cells of certain animal tissues on culture media prepared with muscle hydrolyzates. (Rus) Vop. Vet. Virusol. 1:9-12. 1964. 41.8 V89
- 37520 PANKOVA, G. E. Sensitivity to foot-and-mouth disease virus of culture cells of certain tissues, cultivated in culture media prepared with Hottinger's hydrolyzate. (Rus) Vop. Vet. Virusol. 1:7-8. 1964. 41.8 V89
- 37521 PAVLOVSKII, E. N., and KOROPOV, V. M. Activities of the Kazan' Veterinary Institute [Kazan Veterinarnyi Institut]. 8 p. (JPRS 22,629; OTS 64-21220; CSO 1878-D) Transl. 14220
Translation from Veterinariya 6:20-26. June 1963.
CFSTI: \$.50.
- 37522 PELUFFO, C. A. Salmonellosis in South America. Monogr. Biol. 13:476-506. Ref. 1964. 444.8 P56
Includes livestock.
- 37523 PIERCE, A. E. Modern trends in animal health and husbandry: recent developments in the isolation and characterization of proteins and their application to the immune globulins. Brit. Vet. J. 122(1):3-17. Ref. Jan.1966. 41.8 V643
Blood proteins.
- 37524 PORTUGAL, LABORATORIO NACIONAL DE INVESTIGACAO VETERINARIA. Trabalhos realizados [Works realized in the National Laboratory of Veterinary Research and the Laboratory of Veterinary Services at Evora]. Port. Dir. Geral Serv. Pecuarios, Bol. Pecuário 32(3), 188 p. Ref. 1964. 41.8 P83
Portugal, Laboratorio dos Servicos Veterinarios, cooperating.
- 37525 REICHERT, L. E. Characterization of purified heterologous pituitary luteinizing hormones by dinitrophenylation, digestion with carboxypeptidase A and hydrazinolysis. Endocrinology 78(1):186-194. Ref. Jan.1966. 448.8 En2
From livestock.
- 37526 SABATTINI, M. S., SHOPE, R. E., and VANELLA, J. M. Serological survey for arboviruses in Cordoba Province, Argentina. Amer. J. Trop. Med. & Hyg. 14(6):1073-1078, map. Ref. Nov.1965. 448.8 Am326
Includes livestock.
- 37527 SALAZKOV, E. L., and others. Virulent, immunogenic and complement-fixing characteristics of the foot-and-mouth disease virus. (Rus) Vop. Vet. Virusol. 1:209-213. 1964. 41.8 V89
M. V. Zagorodnov, A. N. Skarov, N. S. Skevyrev, and I. A. Khor'kov, joint authors.
- 37528 SCHAFER, W. Mutual exchange action among virus types pathogenic to animals and their host cells. (Ge) Pathol. Microbiol. 28(6):917-935. Ref. 1965. 448.8 Sch9
Includes domesticated animals.
- 37529 SCHAUHMANN, W. On infections at birth. (Ge) Lebendige Erde 4:154-157. July/Aug.1965. 18 L49
Livestock.
- 37530 SCHIERSMANN, G., PEREZ CATAN, E., and ROCCO, M. DI. Antibiograma del Bacteridium anthracis [Antibiogram of Bacteridium, i.e. Bacillus anthracis]. Rev. Invest. Agropecuar. Ser. 4, Patol. Anim. 1(11):139-148. 1964. 41.8 R3227
English summary.

- 37531 SCHROEDER, W. A., and JONES, R. T. Some aspects of the chemistry and function of human and animal hemoglobins. *Fortschr. Chem. Org. Naturstoffe* 23:113-194. Ref., p.181-194. 1965. 384 F773
Review of the literature.
Domestic animals included.
- 37532 SCHWARTZBROD, L. Rearing and utilization of germ-free animals. (Fr) Nancy. Univ. Fac. Pharm. Ass. *Diplomes Microbiol. Bull.* 99:13-24. Ref. Third Q.1965. 448.2 N152
- 37533 SELLERS, A. F. Blood flow in the rumen vessels. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:171-184. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.231-237.
- 37534 SERGEEV, V. A., and others. Concerning reproduction of viruses in culture media of surviving tissues of immune animals. (Rus) *Vop. Vet. Virusol.* 1:80-87. Ref. 1964. 41.8 V89
R. I. Mel'nik, A. G. Revenkov, and V. I. Zhesterev, joint authors.
- 37535 SHADRIN, V., and TIMONIN, P. Methods of control of foot-and-mouth disease. (Rus) *Sel'skokhoz. Proizv. Urala* 9:46-47. Sept.1965. 281.8 Se45
- 37536 SHAZLY, K. EL, and HUNGATE, R. E. Method for measuring diaminopimelic acid in total rumen contents and its application to the estimation of bacterial growth. *Appl. Microbiol.* 14 (1):27-30. Ref. Jan.1966. 448.3 Ap5
- 37537 SIGEL, M. M., and BEASLEY, A. R. Viruses, cells and hosts; an introduction to virology. New York, Holt, Rinehart & Winston, 1965. 176 p. Ref. (Holt Library of Science, Ser.2, v.23) QR360.S5
Includes animal and plant applications.
- 37538 SILKOV, A., and MASLUKHIN, B. Prophylaxis of diseases in deer. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 5:35. May 1965. 281.8 Se44
- 37539 SINESHCHEKOV, A. D. Digestion and assimilation processes in the stomach and intestines of ruminants. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:254-261. 1964, pub.1965. 444.9 In86
Discussion, p.289-295.
- 37540 SKYRME, H. P. Christmas time is play time for children on farms, so avoid risks by taking simple precautions against disease. *New Zeal. J. Agr.* 111(7):14-15, 17, 19. Dec.1965. 23 N48J
Risk of animal disease transmission.
- 37541 SMITH, J. E., and BEUTLER, E. Methemoglobin formation and reduction in man and various animal species. *Amer. J. Physiol.* 210(2):347-350. Ref. Feb.1966. 447.8 Am3
Includes livestock.
- 37542 SOLIMAN, M. K., and EL AMROUSI, S. Blood iron and hemoglobin level in healthy Egyptian sheep, cattle, buffaloes and camels. *Indian Vet. J.* 42(11):831-836. Ref. Nov.1965. 41.8 In2
- 37543 SURIN, B. I. Adaptation of the Aujeszky's disease virus to the transplanted cell line Kem-La. (Rus) *Vop. Vet. Virusol.* 1:489-496. 1964. 41.8 V89
- 37544 SUSHKOV, F. V., RYAKOV, V. I., and KARPOV, O. N. Reaction of tissue culture cells to X-rays and subsequent infection with foot-and-mouth disease virus. (Rus) *Vop. Vet. Virusol.* 1:67-74. Ref. 1964. 41.8 V89
- 37545 SVIRIDOV, A. A. Use of virus neutralization test in the culture medium of rabbit kidney tissue for the evaluation of the anti-foot-and-mouth disease immunity. (Rus) *Vop. Vet. Virusol.* 1:227-232. Ref. 1964. 41.8 V89
- 37546 TERYUKHANOV, A. B. Characteristics of certain properties of hog cholera virus, cultivated in tissue cultures. (Rus) *Vop. Vet. Virusol.* 1:257-262. Ref. 1964. 41.8 V89
- 37547 TETERINA, A. V., and others. A simple method of preparing hydrolyzates of milk proteins for the cultivation of tissue cells. (Rus) *Vop. Vet. Virusol.* 1:13-25. Ref. 1964. 41.8 V89
E. S. Belevitskaya, A. S. Guseva, V. M. Man - ko, and S. B. Logginov, joint authors.
- 37548 TEUSCHER, E. The new veterinary school at Zurich. (Fr) *Ann. Agr.* 4:53-55. 1964/65. 17 An73
- 37549 TITCHEN, D. A., and RIED, C. S. W. The reflex control of the motility of the ruminant stomach. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:68-77. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.124-130.
- 37550 TOVE, S. B. Fat metabolism in ruminants. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:399-410. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.433-440.
- 37551 TSUNEMATSU, Y. Symposium. I. Immunity reaction in parasites. 1. Significance of hemagglutination test in the diagnosis of toxoplasmosis. (Ja) *Jap. J. Parasitol.* 14(4):19-20. Aug. 1965. 436.8 J27
Livestock.
- 37552 VALLENAS, P. A. Some physiological aspects of digestion in the alpaca (*Lama pacos*). *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:147-158. Ref. 1964, pub.1965. 444.9 In86
- 37553 VASILEV, I., and DENEV, Y. Research into the life history of *Philophthalmus* sp., recovered from geese in Bulgaria. I. *Z. f. Parasitenk.* 25 (4):320-329. 1965. 442.8 Z33F
Eyeworms.
- 37554 VOLOSKOV, P. A. Profilaktika polovoykh infektsii zhivotnykh [Prophylaxis of genital infections in livestock]. Moskva, Kolos, 1965. 223 p. Ref. SF871.V6
- 37555 VOPROSY veterinarnoi virusologii [Problems of veterinary virology]. v.1. Moskva, Izdatel'stvo "Kolos," 1964. 583 p. Ref. 41.8 V89
- 37556 VOROB'EV, M. M. Purification of the lapinized foot-and-mouth disease virus. (Rus) *Vop. Vet. Virusol.* 1:190-194. Ref. 1964. 41.8 V89
- 37557 WALKER, D. J. Energy metabolism and rumen microorganisms. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:296-310. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.360-368.
- 37558 WARNER, R. G., and FLATT, W. P. Anatomical development of the ruminant stomach. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:24-38. Ref. 1964, pub.1965. 444.9 In86
Discussion, p.61-67.
- 37559 WOELFER, E. A. Common causes of livestock poisoning. *Hoard's Dairyman* 111(4):227. Feb.25, 1966. 44.8 H65
- 37560 WUSSOW, W. Constitution research and livestock breeding. (Ge) *Arch. Tierzucht* 8(4/6):497-506. 1965. 49 Ar23
English summary.
- 37561 ZHUKOV, G. Prevention of salmonellosis in young livestock. (Rus) *Sel'skokhoz. Proizv. Urala* 7:58-59. July 1965. 281.8 Se45

MISCELLANEOUS

- 37562 AMERICAN SOCIETY OF ZOOLOGISTS. Sixty-second annual meeting, Berkeley, California, 1965—program and abstracts. *Amer. Zool.* 5(4):593-744. Nov.1965. 410 Am3
Includes livestock and insects.
- 37563 BALDAZZI, D. The "Golden Egg" awarded for livestock progress. (It) *Avicoltura* 34(2):107-108. Feb.1965. 47.8 R523
By the Fondazione Francesco Vismara.

- 37564 CARVALHO, T. DE. A commentary on the mammals described and drawn by Alexandre Rodrigues Ferreira in 1790. (Por) Arq. Zool. Estad. Sao Paulo 12:7-70. Ref. 1965. 410 Ar6
Includes domestic animals found in Brazil.
- 37565 CATELLA, F. Prospects of Italian livestock raising. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.317-324. 1964. 281.9 C815
- 37566 CONTRIBUTION of Timiryazev Agricultural Academy to the livestock research. (Rus) Zhivotnovodstvo 12:31-37. Dec.1965. 49 Z6
Timiryazevskaya Sel'skokhozyaistvennaya Akademiya.
- 37567 EURICH, G. The rebuilding of the Ansbach slaughterhouse. (Ge) Schlacht- Viehhof-Zeitung 65(4):130-136. Apr.1965. 286.85 D48
- 37568 FERNQVIST, N. Organization of slaughtering and butchering cooperatives. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.193-196. 1965. 389.9 F843
Sweden.
- 37569 FISCHA, H., and ZINNAUER, W. Rebuilding of the Villach municipal slaughterhouse. (Ge) Schlacht- Viehhof-Zeitung 65(6):223-227. June 1965. 286.85 D48
- 37570 JERZEMBECK, R. The slaughtering platform—a contribution to the improvement of slaughter sanitation and management. (Ge) Schlacht-Viehhof-Zeitung 65(12):514-516. Dec.1965. 286.85 D48
- 37571 KISLOVSKII, D. A. Izbrannye sochineniya [Selected works]. Moskva, Kolos, 1965. 534 p. Ref. SF105.K5
Chiefly on livestock history and breeding in USSR.
- 37572 KOVATS, J. Before the wintering season. (Hu) Magyar Mezogazdasag 20(46):19-20. Nov.17, 1965. 19 M27
Livestock care.
- 37573 KOVYAZIN, N. M. Some problems of development of reindeer husbandry in the Nenets National Okrug. (Rus) Leningr. Univ. Vestnik Ser. Geol. Geogr. 2:104-109. 1965. 403 L54
- 37574 LEGEWIE, H. Rebuilding of the Essen slaughterhouse. (Ge) Schlacht- Viehhof-Zeitung 65(6):221-222. June 1965. 286.85 D48
- 37575 MERZ, H. Rebuilding of the Schwabach slaughterhouse. (Ge) Schlacht- Viehhof-Zeitung 65(6):229-234. June 1965. 286.85 D48
- 37576 NIEDEREHE, H. The use of plastics in the slaughterhouse. (Ge) Schlacht- Viehhof-Zeitung 65(4):137-138. Apr.1965. 286.85 D48
- 37577 PETIT, K. L., and NICOLAUS, A. The housing of animals; sensible heat production. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(1):393-403. 1965. 105.1 G344
English summary.
- 37578 PETRI, K. The new sanitary slaughterhouse in Frankfurt a. M. (Ge) Schlacht- Viehhof-Zeitung 65(6):235-238. June 1965. 286.85 D48
- 37579 SUAREZ LADOUCHE, A. We should give greater authority and importance to the admission judges. (Sp) Ovina 28(324/325):56-57. July/Aug.1965. 45.8 Ov4
Livestock judging in Argentina.
- 37580 TAKACS, J. Some economic problems of domestic meat production. (Hu) Statist. Szemle 43(12):1198-1225. Dec.1965. 266.5 St2M
English summary.
- 37581 VELTEN, W. Modernization of the Darmstadt municipal slaughterhouse. (Ge) Schlacht-Viehhof-Zeitung 65(12):517-522. Dec.1965. 286.85 D48
- 37582 VOURAS, P. P. Recent developments and prospects in the livestock of Greece. Assoc. Amer. Geog. Ann. 55(4):654. Dec.1965. 500 As73
- 37583 YAKOBS, A., and others. Safety measures for the livestock against electric shock on farms. (Rus) Tekh. Sel'skom Khoz. 1:32-38. Jan. 1966. 58.8 M11
E. Shats, L. Terent'eva, S. Kostruba, and M. Smirenskii, joint authors.

CATTLE

Breeds and Breeding

- 37584 ASOCIACION ARGENTINA CRIADORES DE CHAROLLAIS. The Charolais breed. (Sp) Soc. Rural Argent. An. 99(4):20-23,46. Apr.1965. 9 S01
- 37585 AUSTRALIAN JERSEY HERD SOCIETY. Jersey stud book of Australia. Vol. LI, 1964. Sydney, 1965. 539 p. 43.9 Au7
- 37586 BASU, S. Tests of fertility in the cow. Gosamvardhana 13(2):13-15. May 1965. 43.8 G69
- 37587 BAUMAN, S., and LEDINEK, M. Annual tests of bulls in centers for the artificial insemination on territory of the Yugoslavian Simmental cattle breed of Slovenia. (Se) Stocarstvo 19(9/10):376-383. Sept./Oct.1965. 43.8 St6
- 37588 BOGNER, H., and GRAVERT, H. O. Moderne Methoden der Zuchtauslese beim Rind [Modern methods of cattle selection]. Germany. Land-Hauswirtsch. Auswertungs-Informationsdienst Schriftenreihe. AID 136,96 p. Ref. 1965. 18 G312S
- 37589 BONHOMME, D., and DUBOS, R. Marketing of slaughter calves. (Fr) France. Min. Agr. Bull. Tech. Inform. 205:943-956. Dec.1965. 14 F844B
Bazas calves of France.
- 37590 BONSMAN, J. C. Visual indicators of fertility. World Farming 7(6):16-18,22. June 1965. 30.08 W89
In cattle.
- 37591 BOVARD, K. P., and PRIODE, B. M. Snorter dwarfism in an Angus inbred line. J. Hered. 56(5):243-246. Sept./Oct.1965. 442.8 Am3
- 37592 BURGESS, T. D., and BOWMAN, G. H. Environmental factors affecting pre- and post-weaning traits of Hereford bull calves. Can. J. Anim. Sci. 45(3):189-195. Dec.1965. 41.8 C163
- 37593 CROWLEY, J. P. The effect of Charolais bulls on calving performance. Irish J. Agr. Res. 4(2):205-213. Oct.1965. 10.5 Ir45
Dystocia.
- 37594 DAS, L. N., MISHRA, D. B., and BISWAL, G. Comparative histological study of adrenal and thyroid glands of the bull and the bullock. Indian Vet. J. 42(11):824-830. Nov.1965. 41.8 In2
- 37595 DOBYSHEVA, S., and BRYUKHANOVA, L. Utilization of bulls from the farm "Gorki Leninskii" and their progeny in the increase of fat milk production of cattle. (Rus) Agrobiologiya 4:496-500. Aug.1965. 20 Ag822
- 37596 DOORME, H. Breeding from selected bulls better in the male than female descendants. (Fl) Land- Tuinbouw Jaarboek 20:119-123. 1965. 13 L22
Artificial insemination bulls.
- 37597 DOORME, H. The importance of blood lines in the East Flemish herd books. (Fl) Land- Tuinbouw Jaarboek 20:111-114. 1965. 13 L22
- 37598 DOORME, H. Mothers of bulls and their origin in East Flemish herdbook cattle. (Fl) Land- Tuinbouw Jaarboek 20:115-118. 1965. 13 L22
- 37599 ENGELER, W. New directions in the field of animal breeding. (Ge) Grune 94(3):69-80. Jan.21,1966. 17 Sch9
Cattle in Switzerland.
- 37600 EVANS, J. A., and CROWLEY, J. P. Haemoglobin typing of the Kerry breed of cattle. Nature [London] 209(5020):309. Jan.15,1966. 472 N21

- 37601 FERCEJ, J. Indigenous Spotted cattle breed of Slovenia and measures for its breeding. (Se) Stocarstvo 19(9/10):345-357. Sept./Oct. 1965. 43.8 St6
Yugoslavian Simmental.
- 37602 FLADE, D. Genetic changes in cattle breeding of Brandenburg and the utilization of inbred bulls. (Ge) Arch. Tierzucht 8(2/6):293-304. Ref. 1965. 49 Ar23
English summary.
- 37603 FRITZ, J. Practical hints from a castration-sterilization test with pasture fattened bulls. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(3):121-122. Mar.1965. 18 W763
- 37604 GABRIS, J. Proportions and forms of the Pinzgau cattle breed in relation to the lactation. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):11-18. Jan.1965. 49.9 C33
Russian and German summary.
- 37605 GARCIA, M. L. G. The Barrosa cattle breed. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(1):101-183, map. 1964. 41.8 P83
English summary.
- 37606 GLUHOVSCHI, N., and others. A contribution to the study of carotene distribution in semen plasma and follicular fluid in some species of livestock. (Rum) Rev. Zooteh. Med. Vet. 15(6):38-44. June 1965. 49 P943
S. Lazar, M. Rosu, and M. Nafornta, joint authors.
English summary.
Cattle and sheep.
- 37607 GRAVIR, K., and HICKMAN, C. G. Seasonal calvings by lactation in R.O.P. [records of performance] tested Holstein-Friesian herds in relation to contemporary comparisons. Can. J. Anim. Sci. 45(3):181-188. Dec.1965. 41.8 C163
- 37608 GROTE, R. The foundation is fertility. (Ge) Unser Milchvieh 17(12):1-3. Dec.1965. 43.8 Un7
- 37609 GUL', A. P. Stimulation of reproductive function in cattle at different phases of sexual cycle. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 51(11):1363-1369. Ref. Nov.1965. 444.8 F58
- 37610 HADI, M. A., and SANE, C. R. Pelvimetry in adult female Murrah buffaloes. Indian Vet. J. 42(12):936-946. Ref. Dec.1965. 41.8 In2
- 37611 HAVERMANN, H. Recent research results on the problem of beef production. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:69-92. 1964. 27 H652
Breeding and feeding.
- 37612 HEINE, R. G. Progress is necessary to compete. Fla. Cattleman Livestock J. 29(12):52, 54. Sept.1965. 43.8 F66
Breeding of Beef Shorthorn cattle.
- 37613 HERNANDEZ PRADO, A. Study of the characteristics of great economic value in the reproduction of purebred and hybrid dairy cattle in the central part of Venezuela. (Sp) Rev. Vet. Venezolana 18(104):153-175. Ref. Mar.31, 1965. 41.8 R3226
- 37614 HINSHAW, K. The Devon breed. Amer. Cattle Prod. 47(9):29. Feb.1966. 49 P94
- 37615 HOLL, C. Reaction of the body of cattle breed Hrbinec to the changed type of feeding. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):1-10. Ref. Jan.1965. 49.9 C33
German summary.
- 37616 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book. Volume 187, from June 1, 1965 to September 1, 1965. Brattleboro, Vt., 1966. unpagged. 43.9 H74
- 37617 IOANNISYAN, S. L. On the breeding quality of animals from the farm "Gorki Leninskie" and their progeny. (Rus) Agrobiologiya 4:483-495. Aug.1965. 20 Ag822
Effect of breeding on milk production, fat content of milk and weight of cattle.
- 37618 JOVANOVIC, V., and KONCAR, L. Determination of blood groups of indigenous cattle breeds Podolian and Red Spotted and of the original Simmental breed in Vojvodina. (Se) Stocarstvo 19(3/4):140-143. Mar./Apr.1965. 43.8 St6
English summary.
- 37619 LANZA, A. Highlights and observations on some characteristics of the reproductive cycle and milk production in cows of the Friesian breed raised in the Province of Catania. (It) Tec. Agr. 16(5/6):208-232. Sept./Dec.1964. 16 T22
- 37620 LEIPNITZ, C. Sperma pills in cattle breeding. (Ge) Tierzuchter 18(1):17-18. Jan.5, 1966. 49 T445
Frozen semen.
- 37621 LEVIN, S. J., and BODANSKY, O. The double pH optimum of 5'-nucleotidase of bull seminal plasma. J. Biol. Chem. 241(1):51-56. Ref. Jan.14, 1966. 381 J824
- 37622 MACE, J. A. Young sire program builds strong herds. Butter-fat 43(3):4-5. Aug./Sept. 1965. 44.8 B98
Artificial insemination in dairy cattle in Canada.
- 37623 MAHADEVAN, P. Dairy cattle breeding in East Africa. East Afr. Agr. Forest. J. 30(4):320-327. Ref. Apr.1965. 24 Ea74
- 37624 MAIJALA, K., and LINDSTROM, G. The inheritance of the new blood group factor SF3 in cattle. Ann. Agr. Fenn. 4(3):207-214. 1965. 20 An7
- 37625 MAOLI, G., and PILLA, A. M. Interpartum interval in a herd of cows of the "Pezzata Nera" breed. (It) Ann. Sperim. Agr. (n.s.) 17(3/4):401-412. 1963, pub. 1965. 16 An76
English summary.
- 37626 MARTIN, A. H., RENNIE, J. C., and BOWMAN, G. H. An analysis of the contemporary production of artificially and naturally sired Canadian Holstein-Friesian cows. Can. J. Anim. Sci. 45(3):133-140. Dec.1965. 41.8 C163
- 37627 MILLER, B. Bred-in ability pays off! Fla. Cattleman Livestock J. 30(1):56, 60. Oct.1965. 43.8 F66
Beef cattle.
- 37628 MUDGAL, V. D., and RAY, S. N. Growth studies on Indian breeds of cattle. II. Studies on the growth of Sahiwal cattle. Indian J. Dairy Sci. 18(2):65-71. Ref. June 1965. 44.8 In28
- 37629 NAGARCENKAR, R. Selection, progeny testing and artificial insemination in dairy cattle improvement. Indian Dairyman 17(1):19-21, 23, 25. Jan.1965. 44.8 In282
- 37630 OTTO, E., STUNZ, H., and LENSCHOW, J. Comparative studies on fattening performance and slaughter value of crossbreeds of Black Pied Lowland and Aberdeen-Angus cattle with special emphasis on meat productivity. (Ge) Arch. Tierzucht 8(4/6):377-388. Ref. 1965. 49 Ar23
English summary.
- 37631 PEARSON, L. Dairy bull progeny testing; some aspects of the performance of 600 heifers at two test stations. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):27-29. Jan.1966. 10 G79J
- 37632 PERES, J. R. The future of the meat breeds. (Por) Rev. Criadores 36(421):21-22. Jan.1965. 43.8 R32
Breeding of Turino, Gujarati and Gir in Brazil.
- 37633 PERES, J. R. The Santa Amintas. (Por) Rev. Criadores 36(427):25-28. July 1965. 43.8 R32
Ongole cattle in Brazil.
- 37634 PLESNIK, J., and others. Study of the possibility of improvement of the Czechoslovak Red Spotted cattle breed by crossbreeding it with the Jersey breed. Comparative evaluation of growth and meat production of crossbreeds of the F₁ generation with the parental breeds. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(5):299-312. Ref. May 1965. 49.9 C33
J. Fasko, M. Kovalcikova, and O. Pelech, joint authors.

- 37635 PRIBLY, J., and JAKUBEC, V. Heredity of the coloring of the coat in the case of cross-breeding of the Czechoslovak Red-Spotted with Danish red cattle breed. Study of the F₁ cross-breed generation. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):439-448. Ref. June 1965. 49.9 C33
English summary.
- 37636 RAKO, A., and SUPE, D. Further needs and plans for breeding of indigenous grey cattle. (Se) Stocarstvo 19(9/10):367-375. Ref. Sept./Oct. 1965. 43.8 St6
English summary.
Hybridization of Oberinntal with Jersey cattle.
- 37637 RALO, J. A. C. Charollais X Miranda hybrid calves—cost of production. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(1):3-68. Ref. 1964. 41.8 P83
English summary.
As meat animals in Portugal.
- 37638 RAPEAU, J. New options for Charollais. (Fr) Agriculture [Paris] 28(282):315-318. Oct. 1965. 14 Ag823
For meat production.
- 37639 RED POLL CATTLE SOCIETY. The Red Poll herd book. Volume 82. Ipswich, 1965. 181 p. 43.9 R244
- 37640 SANTIAGO, A. A. Santa Aminta Nellore cattle; results of a selection trial. (Por) Rev. Criadores 36(421):34-39. Jan. 1965. 43.8 R32
Brazil.
- 37641 SCHNEIDER, P. A contribution to the breeding problems in increasing protein content of cow's milk. (Ge) Arch. Tierzucht 8(4/6):419-427. 1965. 49 Ar23
English summary.
- 37642 SCHONMUTH, G. Genetic principles of fertility in Black Pied Lowland cattle. (Ge) Arch. Tierzucht 8(4/6):429-439. Ref. 1965. 49 Ar23
English summary.
- 37643 SCHWARZ, E. Breeding value estimation of mothers of bulls. (Ge) Tierzuchter 18(1):16-17. Jan. 5, 1966. 49 T445
- 37644 SENGAR, D. P. S., and SHARMA, U. D. Studies on successive semen ejaculates of buffalo bulls. Semen characteristics. I-II. Indian J. Dairy Sci. 18(2):54-64. Ref. June 1965. 44.8 In28
- 37645 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GREAT BRITAIN AND IRELAND. Coates's herd book, containing the pedigrees of Dairy Shorthorn cattle. Vol. 111. London, 1965. 374 p. 43.9 C63
- 37646 SMIDT, W. J. Deviations in the middle piece of bull spermatozoa. (Du) Tijdschr. Diergeneesk. 90(23):1613-1615. Dec. 1, 1965. 41.8 T431
English summary.
- 37647 STEPANENKO, YA. F., and MIRONOVA, G. G. Beef quality of young cattle of Whiteheaded Kazakh and Simmental breeds. (Rus) Zhivotnovodstvo 12:52-53. Dec. 1965. 49 Z6
- 37648 STEPANOV, G. A. Increasing fat content in milk on state and collective dairy farms in Moldavia. (Rus) Agrobiologiya 6(156):869-878. Nov./Dec. 1965. 20 Ag822
Crossbreeding.
- 37649 SUPE, D. Exposition of the genome of the Grey Tirolean cattle breed in the indigenous cattle breed from the environs of Knin. (Se) Stocarstvo 19(3/4):154-162. Ref. Mar./Apr. 1965. 43.8 St6
German summary.
Oberinntal and Busa breeds; effect of breeding on measurement and milk production.
- 37650 TANNER, J. E., COOPER, R. J., and KRUSE, W. E. Relationships between weaning weights of calves and weights and measurements of their dams. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:20-23. July 1965. 100 T31P
Beef cattle.
- 37651 TOMAR, N. S. A note on the method of working out breeding efficiency in Zebu cows and buffaloes. Indian Dairyman 17(12):389-390. Ref. Dec. 1965. 44.8 In282
- 37652 TUNKL, B., and ALERAJ, Z. Detection of causative agent of paratuberculosis in the semen of a bull in a center for artificial insemination. (Se) Vet. Glas. 19(11):845-849. Ref. 1965. 41.8 J93
English summary.
- 37653 VACHAL, J. Hereditary defects of cattle and the possibility of their prevention. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):429-438. Ref. June 1965. 49.9 C33
English summary.
- 37654 VACHAL, J. The inheritance of milk production and weight of the Czechoslovak Red-Spotted cattle breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):389-398. Ref. June 1965. 49.9 C33
English summary.
- 37655 VANVLECK, D. Do you know your relationships? Hoard's Dairyman 111(3):176-177. Feb. 10, 1966. 44.8 H65
Dairy cattle inbreeding.
- 37656 VISHNYAKOV, N. K., and KORZHOVA, E. I. Beef cattle breeding in Altai Territory. (Rus) Zhivotnovodstvo 12:45-52. Dec. 1965. 49 Z6
- 37657 VOGT, F. The German Simmental as a producing breed. (Ge) Grune 93(31):1081-1090. July 30, 1965. 17 Sch9
Switzerland.
- 37658 VORSTER, T. H. Animal production in Rhodesia. (Ge) Tierzuchter 18(2):48-49, map. Jan. 20, 1966. 49 T445
Chiefly on cattle breeding in Southern Rhodesia.
- 37659 VSYAKIKH, A. S., BEGUCHEV, A. P., and KLABUKOV, P. G. Increasing fat content of dairy cattle milk. (Rus) Zhivotnovodstvo 12:17-22. Dec. 1965. 49 Z6
Proper breeding.
- 37660 WERTENBROEK, A. Some aspects of artificial insemination in the practice. (Du) Neth. Cent. Comm. Toezicht Uitvoering Kunstmatige Inseminatie. Jaarverslag 4:30-33. 1965. 43.9 N38
Cattle.
- 37661 WESSELY, E. C. Models of inbreeding and kinship in the lines of Black Pied Lowland cattle. (Ge) Arch. Tierzucht 8(4/6):475-482. 1965. 49 Ar23
English summary.
- 37662 WILTBANK, J. N., ROWDEN, W. W., and INGALLS, J. E. Relationship between measures of semen quality and fertility in bulls mated under natural conditions. Nebr. Agr. Exp. Sta. Res. Bull. 224, 19 p. Dec. 1965. 100 N27
- 37663 WOODHAMS, P. R., and TROWER, S. J. Palatability characteristics of rib-steaks from Aberdeen Angus steers and bulls. New Zeal. J. Agr. Res. 8(4):921-926. Ref. Nov. 1965. 23 N4892
- 37664 WOOLLAM, G. E. Britain's cattle breeding program expands. Can. Dep. Agr. Econ. Br. Agr. Abroad 20(5):28-32. Oct. 1965. 281.9 C1642A
- 37665 YUL'MET'EV, M. G. Prospective method to increase fat content in milk. (Rus) Agrobiologiya 6(156):879-893. Nov./Dec. 1965. 20 Ag822
Proper crossbreeding and selection.

Feeds and Feeding

- 37666 AINSLIE, H. R. The effect of hay: concentrate ratios, level of feeding and ability of cows on the energy required per pound of fat corrected milk produced. Diss. Abs. 26(6):2948. Dec. 1965. 241.8 M58

- 37667 ANTAL, J., and BLAHO, R. Raising calves with feed mixtures substituting whole and skim milk. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(12):881-888. Ref. Dec. 1965. 49.9 C33
English summary.
- 37668 ANTHONY, W. B., and HARRIS, R. R. Alabama forages and mineral needs of cattle. Highlights Agr. Res. [Ala. Sta.] 12(4):8. Winter 1965. 100 AL1H
Nutritive value of forages.
- 37669 BAIRD, D. M., and SELL, O. E. Evaluation of pastures for wintering brood cows and their calves. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 241,17 p. June 1965. 100 G293M
Beef cattle.
- 37670 BAKER, M. L., and BROUSE, E. M. Winter feeding and the growth and performance of beef cows. Nebr. Agr. Exp. Sta. SB 487,45 p. Nov. 1965. 100 N27
Growth of replacement heifers and subsequent fertility.
- 37671 BHANDARI, M. L. Can heifers be fed to breed at an earlier age? Gosamvardhana 13(2):3-5. May 1965. 43.8 G69
- 37672 BLAHO, R., ANTAL, J., and BENKO, L. The effect of an early feeding of high doses of coarse feed on the changes of the internal organs of heifers. (Cz) Pol'nohospodarstvo 11(12):900-904. 1965. 19.5 P752
English summary.
- 37673 BLAHO, R., and ANTAL, J. The effect of different standards of nutrition on the course of growth of heifers. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(5):313-322. May 1965. 49.9 C33
English summary.
- 37674 BOLIN, T. Hay standards: what do they tell you? West. Dairy J. 21(9):C14-C16. July 1965. 44.8 W524
For dairy cattle feeding.
- 37675 BOREN, F. W. Some factors affecting the value of sorghum silage for wintering feeder calves. Diss. Abs. 26(6):2948-2949. Dec. 1965. 241.8 M58
- 37676 BOUCQUE, C. Losses of beet pulp in ensiling and its feed value for fattening. (Fl) Land-Tuinbouw Jaarboek 20:169-180. 1965. 13 L22
Sugar beet pulp and costs as feed for steers.
- 37677 BRAUN, B., and PTACEK, J. On the effect of Hepavit B12 tissue preparation in the nutrition of young cattle. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(12):873-880. Ref. Dec. 1965. 49.9 C33
English summary.
- 37678 CALIFORNIA, UNIVERSITY. RADIATION LABORATORY. Agricultural factors affecting the daily intake of fresh fallout by dairy cows. Livermore, 1965. 32 p. (U. S. Atomic Energy Commission. UCRL-12479) 389.7 C1232
AEC Contract No. W-7405-eng-48.
Management and related factors as affecting the transfer of fallout to man.
- 37679 CHARRON, E. C. It's total energy intake that counts with cows. Agway Coop. 1(14):6-7. Nov. 1965. 280.28 Ag9
Effect of feeding on milk production.
- 37680 CORDIEZ, E. Beef cattle feeding and meat production. (Fr) Liege. Inst. Prov. Coop. Agr. Bull. 46:13-50. Oct. 1965. 280.29 L62
- 37681 CORMINBOEUF, R. The production of baby beef. (Fr) Ann. Agr. 4:43-44. 1964/65. 17 An73
Feeding calves in Switzerland.
- 37682 CROUCH, E. K. Dehydrated aquatic plant material for cattle feeding. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:32-35. July 1965. 100 T31P
- 37683 CSOMOS, Z. Winter feeding of cattle. (Hu) Magyar Mezogazdasag 21(2):16. Jan. 12, 1966. 19 M27
- 37684 DEGRAFF, H. Why packers feed some cattle. Nat. Provisioner 154(9):22-23, 25. Feb. 26, 1966. 286.85 N21
- 37685 ELLIOTT, M. Feedlot financing—it's more than capital structure. West. Livestock J. 44(10):77-80. Jan. 1966. 6 F2278
Cattle; costs.
- 37686 ENG, K. S. Grain sorghum utilization. Anim. Nutr. Health 21(1):9-10, 26. Ref. Jan. 1966. 389.78 W52
In cattle feeding.
- 37687 ERWIN, E. S. Pressure cooking grain for cattle rations. Feedstuffs 38(7):60-62. Feb. 19, 1966. 286.81 F322
- 37688 EZERNACK, F. J. Forage from pine woodlands; native plants fill gaps in grazing schedules for dairy and beef cattle. Soil Conserv. 31(7):149-150. Feb. 1966. 1.6 So3S
In the South.
- 37689 FARKAS, MRS. P. Milk feeding of calves in production cooperatives. (Hu) Magyar Mezőgazdasag 20(51):16-17. Dec. 22, 1965. 19 M27
- 37690 FONTANELLAZ, N. Intensive production of beef or production of baby beef. (Fr) Ann. Agr. 4:49-51. 1964/65. 17 An73
Feeding.
- 37691 FORBES, T. J. Early weaning of calves. Agr. Northern Ireland 40(7):198-201. Nov. 1965. 256.13 Ag82M
- 37692 GIRAUD, M. Production of young beef cattle. (Fr) Avenir Agr. 5:18-21. Sept./Oct. 1965. 14 Av32
Chiefly effects of feeding.
- 37693 HARTMAN, P. A., MORRILL, J. L., and JACOBSON, N. L. Influence of diet and age on bacterial counts of ileal digesta and feces obtained from young calves. Appl. Microbiol. 14(1):70-73. Ref. Jan. 1966. 448.3 Ap5
- 37694 HASTINGS, M. Beef off grass. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):10-15. Jan. 1966. 10 G79J
- 37695 HEINEMANN, W. W. Digestibility and feeding value of cottonseed meal and nonprotein nitrogen compounds for beef cattle. Wash. Agr. Exp. Sta. Bull. 666,6 p. July 1965. 100 W27E
- 37696 HENDERSON, B. W., and others. Silage versus silage as summer forage for lactating dairy cows. R. I. Agr. Exp. Sta. Bull. 381,14 p. Ref. Nov. 1965. 100 R34S
W. M. Etgen, E. R. Berousek, and R. W. Gilbert, joint authors.
- 37697 HILDEBRANDT, H. H. Feeding plan for calf raising. (Ge) Betriebswirtsch. Mitt. Wirtschaftsbereiter 134:22. Nov. 15, 1965. 281.8 B462
- 37698 HOMB, T., and others. Underforing av feite kyr de siste maneder for slakting. Underfeeding of fat dairy cows the last months before slaughtering. Norges Landbrukshogsk. Meld. 27,44 p. Ref. Aug. 23, 1965. 104 N762M
T. Matre, J. Opstvedt, A. Lyso, and K. Breirem, joint authors.
English summary.
- 37699 IZMAILOV, T. Y. Experiment in introducing urea into the ration of lactating cows. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:164-167. Ref. 1963, pub. 1964. 49.9 AL6T
- 37700 KAUFMANN, W. Silage as exclusive basic feed? (Ge) Mitt. Deut. Landwirt.-Ges. 80(46):1768,1770. Nov. 18, 1965. 18 N39
For dairy cattle.
- 37701 KEITH, T. B., DAHMEN, J. J., and BELL, T. D. Diethylstilbestrol in steer-finishing rations as affected by level of protein intake. Idaho. Agr. Exp. Sta. Res. Bull. 68,15 p. Nov. 1965. 100 Id1

- 37702 KIRCHMANN, R. J., and BOULENGER, R. R. Importance of direct retention and productivity of herbage in the contamination of milk by radioactive fallout. (Fr) Ghent. Landbouwho-gesch. Mededel. 30(2):1227-1240. 1965. 105.1 G344
English summary.
- 37703 KOTZE, T. J. Black-thorn [*Acacia detinens*] proves its worth. Farming S. Afr. 41(8):13,15, 17,19,21. Nov.1965. 24 So842
Feed for cattle.
- 37704 KRUSE, W., CARTWRIGHT, T. C., and KING, G. T. Efficiency of feed use in drylot by young beef cattle. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:17-19. July 1965. 100 T31P
- 37705 LIEBENBERG, O., and others. The use of dried green forage in the fodder concentrates in calf rearing. (Ge) Arch. Tierzucht 8(4/6): 345-353. 1965. 49 Ar23
L. Gollnitz, J. Fritzsche, and P. Prokopow, joint authors.
English summary.
- 37706 LIZAL, F., and OPLETALOVA, L. The effect of feeding urea, dicyandiamide, and crude biuret on weight increase, on retention of ni-trogen, and on the digestibility of the organic nutrients of feed rations in the fattening of bulls. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivo-cisna Vyroba 38(12):889-898. Ref. Dec.1965. 49.9 C33
English summary.
- 37707 LOHSE, B. Influence of feeding methods on the meat quality of dairy-beef calves. (Ge) Mitt. Deut. Landwirt.-Ges. 81(3):69-70,72. Jan.20, 1966. 18 N39
- 37708 MAKSAKOV, V. YA., and others. Effective use of amides and minerals as supplements for sugar beet pulp fed to cattle. (Rus) Khim. Sel'skom Khoz. 4:66-70. Ref. Apr.1965. 385 K524
A. I. Govor, YA. P. Pustovar, and V. K. Chernukha, joint authors.
- 37709 MALOSSINI, F. Nutritive efficiency of barley, maize and grain sorghum in feeding dairy cows. (It) Ann. Sperim. Agr. (n.s.)17(3/4): 385-400. Ref. 1963, pub.1965. 16 An76
English summary.
- 37710 MALOSSINI, F., and MARTINEZ MALDONADO, J. Nutritive efficiency of the integral pulps of sugar beets compared to the efficiency of the corresponding exhausted pulps. (It) Ann. Sperim. Agr. (n.s.)16(1/2):17-34. 1962, pub.1965. 16 An76
English summary.
For cattle.
- 37711 MARION, P. T., and others. Maintenance of beef cows in drylot and on pasture. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:9-11. July 1965. 100 T31P
D. D. McGinty, E. D. Robinson, and J. K. Riggs, joint authors.
- 37712 MCCARRICK, R. B. Effects of stage of growth and method of herbage conservation on perfor-mance of weanling cattle. Irish J. Agr. Res. 4 (2):161-178. Ref. Oct.1965. 10.5 Ir45
- 37713 MCCARRICK, R. B., and others. The nutritive values of ammonium bisulphate and molassed silages. I-III. Irish J. Agr. Res. 4(2):115-142. Ref. Oct.1965. 10.5 Ir45
I, Comparisons of acceptability and feeding value for beef and dairy cattle, by R. B. Mc-Carrick, E. Keane, and J. Tobin; II, Effect of sulphate intake on performance of growing and mature cattle, by R. B. McCarrick, D. B. R. Poole, and M. F. Maguire; III, Effects of level of ammonium bisulphate applied to herbage on silage quality and animal performance, by R. B. McCarrick, M. F. Maguire, D. B. R. Poole, and T. A. Spillane.
- 37714 MELTON, A. A. Grazing irrigated Coastal Bermudagrass in the Trans-Pecos area. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:27-31. Ref. July 1965. 100 T31P
Beef cattle; includes fertilizer management.
- 37715 MELTON, A. A., and ELLIS, W. C. The in-fluence of supplemental vitamin A on reproduc-tive performance of range beef cows. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:12-13. July 1965. 100 T31P
- 37716 MENEGARIO, A. Soybean hay used in place of cottonseed cake. (Por) Bol. Leite 38(437):17, 16. Mar.1965. 44.8 B633
For dairy cattle feeding in Brazil.
- 37717 MIFTAKHOV, A. G. Effect of rich feed on di-gestion of rations and metabolism in calves. (Rus) Zhivotnovodstvo 12:73-75. Dec.1965. 49 Z6
- 37718 MILLER, W. J., and MILLER, J. K. Supple-menting silage with limited pasture for dairy cows. Ga. Agr. Res. 7(2):11-12. Fall 1965. 100 G295
- 37719 MOODY, E. G. Progress in feeding. II. How to develop efficiency in feed energy utilization. Western Dairy J. 22(3):25-C-26-C. Jan.1966. 44.8 W524
In dairy cattle for milk production.
- 37720 MOORE, C. S. The Vale Project. West. Live-stock J. 44(10):58-62,64. Jan.1966. 6 F2278
Range used for beef cattle.
- 37721 MUDRA, K., and SCHONMUTH, G. The effect of feeding intensity and age on the protein and fat content of cow's milk—a contribution to the problem of breeding for milk protein. (Ge) Arch. Tierzucht 8(4/6):355-365. Ref. 1965. 49 Ar23
English summary
- 37722 NAGY, L. Economical winter feeding in the dairies. (Hu) Magyar Mezogazdasag 20(46):18-19. Nov.17,1965. 19 M27
- 37723 NAZARENKO, V. I. Use of urea in cattle feed-ing in USA. (Rus) Khim. Sel'skom Khoz. 4:71. Apr.1965. 385 K524
- 37724 NICKERSON, T. A., BALDWIN, R. L. Milk fla-vor unaffected by plastic baler twine. Calif. Agr. 19(10):5. Oct.1965. 100 C12Cag
- 37725 NISHIMATSU, I., and KUMENO, F. Nutrition of young dairy calves. 1. Study on chromic ox-ide and polyethylene glycol as index substance of digestion trial with young dairy calves. (Ja) Jap. J. Zootech. Sci. 36(12):544-549. Ref. Dec.1965. 49 N62
English summary.
- 37726 NISHIMATSU, I., and KUMENO, F. Nutrition of young dairy calves. 2-3. (Ja) Jap. J. Zoo-techn. Sci. 37(1):20-31. Ref. Jan.1966. 49 N62
English summary.
Utilization of starches and soybean protein.
- 37727 NOVAES, S. C. Feeding of cattle—fattening of steers in confinement. (Por) Rev. Criadores 36(421):40. Jan.1965. 43.8 R32
Brazil.
- 37728 OBRADOVIC, M. Technology of the production of beef with corn cob feed and the organization of the respective industrial equipment. (Se) Stocarstvo 19(9/10):358-366. Sept./Oct.1965. 43.8 St6
English summary.
Milling equipment.
- 37729 OBRITZHAUSER, W., and STEINWENDER, R. Contribution to the problem of calf fattening with "full milk feed." (Ge) Bodenkultur 16 (1/2):169-177. Feb./May 1965. 19 B635
English summary.
- 37730 OSCARSSON, G., and others. Pasture or barn feeding? (Sw) Stiftelse. Svenska Lantbruks-veckan. Lantbruksveckan 1964:48-63. 11 Sw34
L. Ohlsson, J. Beckman, and S. Kvarnback, joint authors.
Dairy cattle.
- 37731 PETERSON, R. C., and others. The effect of three nitrogen levels and corn supplementation on beef gains and yield per acre from tall fes-cue [*Festuca elatior arundinacea*] at the For-age Farm. Ind. Agr. Exp. Sta. Res. Prog. Rep. 180,4 p. Apr.1965. 100 In2Res
C. L. Rhykerd, G. O. Mott, and M. E. Heath, joint authors.

- 37732 PETERSON, R. C., and others. Supplementing tall fescue [*Festuca elatior arundinacea*] winter pasture and round bales for the pregnant and lactating beef cow herd on the Forage Farm. Ind. Agr. Exp. Sta. Res. Prog. Rep. 181,3 p. Apr.1965. 100 In2Res
R. R. Garrigus, R. E. Erb, and M. E. Heath, joint authors.
- 37733 PIRA, C. Experiments with beef cattle at Brodalt. (Sw) Hallands Lans Hushallnings-sallsk. Tidskr. 4:2-3. July 1965. 11 H152 Feeding.
- 37734 PRATT, A. D., and CONRAD, H. R. The need for unfermented grain or forage with high moisture grass-legume silage for dairy cattle. Ohio. Agr. Res. Develop. Center. Res. Bull. 979,22 p. Ref. Dec.1965. 100 Oh3S
- 37735 RALO, J. A. C., and others. Dried tomato waste in concentrates for dairy cattle. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(2):129-145. 1964. 41.8 P83
V. S. Antunes, M. F. Ferreira, and M. C. F. de Almeida, joint authors.
English summary.
- 37736 RALO, J. A. C., and ANTUNES, V. S. Tomato waste in the fattening of calves. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(2):147-168. 1964. 41.8 P83
English summary.
- 37737 REAVES, P. M. Improving solids-not-fat production. Feed Age 16(1):22-24. Jan.1966. 389.78 F327
By nutrition of dairy cattle.
- 37738 REID, J. T. Meeting protein needs of milking cows. Hoard's Dairyman 111(3):131,139. Feb. 10,1966. 44.8 H65
In feed.
- 37739 REYNAUD, P. Vows of dairy farmers for the ensilage control. (Fr) Agr. Romande (ser.B)4 (12):90-91. Dec.1965. 17 Ag8
- 37740 SANNE, S., and JOHNSON, S. Sommarutfodring av mjölkkor med grönfoder [Summer feeding of dairy cattle with green feed]. Uppsala. Lantbrukshögsk. Aktuellt Lantbrukshögsk. 77, 29 p. Ref. 1965. 11 Up62A
- 37741 SAUE, O. Green forage plants—a valuable supplementary feed for cattle towards the end of the pasture season. (No) Norsk Landbruk 14/15:19. July 16,1965. 11 N8122
- 37742 SHMANENKOV, N. A., PTASHKIN, A. A., and BARANOVA, D. I. Study of the effects of ammonium sulfate in prolonged feeding of the young cattle. (Rus) Khim. Sel'skom Khoz. 3 (9):60-64. Ref. Sept.1965. 385 K524
- 37743 STONE, J. B. New grain feeding guide for cows in milk. Hoard's Dairyman 111(3):132-133. Feb.10,1966. 44.8 H65
- 37744 TELFORD, T. M. Hay or silage on the dairy farm? N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:178-184. Summer 1965. 241 G796
Great Britain.
- 37745 TOENJES, D. A. Sudan-sorghum hybrids for roughage. West. Dairy J. 21(9):C10. July 1965. 44.8 W524
For feeding dairy cattle.
- 37746 TORRELE, G. On feed consumption and duration of fattening in fattening to a determined live weight. (Fl) Land- Tuinbouw Jaarboek 20:137-139. 1965. 13 L22
Cattle.
- 37747 TWIST, J. O., MORRIS, J. G., and GARTNER, R. J. W. Cobalt content of sorghum grain and cereal forages. Austral. J. Sci. 28(3):125-126. Sept.1965. 475 Au72
In relation to cobalt deficiency in cattle and sheep.
- 37748 ULVESLI, O., and SAUE, O. Rensing og rasping av rotvekster til melkekyr. Cleaning of root crops in the feeding of dairy cows. Norges Landbrukshögsk. Meld. 44(25):1-22. Ref. 1965. 104 N762M
English summary.
Effects on milk production.
- 37749 UVACEK, E. Can feedlots keep pace with beef demand? West. Livestock J. 44(10):48,50. Jan.1966. 6 F2278
- 37750 VOELKER, H. H. What our cows are telling us about drylot feeding. Hoard's Dairyman 111(3):129. Feb.10,1966. 44.8 H65
- 37751 VOORDE, G. VAN DE. The fattening of calves on a fixed food regimen. (Fl) Land- Tuinbouw Jaarboek 20:195-200. 1965. 13 L22
- 37752 WAGNON, K. A. Social dominance in range cows and its effect on supplemental feeding. Calif. Agr. Exp. Sta. Bull. 819,32 p.,map. Nov.1965. 100 C12S
- 37753 WALDRIP, W. J., PARKER, E. E., and MARION, P. T. Grazing studies on the Texas Experimental Ranch. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:14-16. July 1965. 100 T31P
Beef cattle and calves.
- 37754 WARD, R. E. How to feed corn silage for high milk production. Agway Coop. 1(14):12-13. Nov.1965. 280.28 Ag9
- 37755 WEILAND, G. Observations on the grazing behavior of calves. (Ge) Arch. Tierzucht 8 (4/6):483-495. 1965. 49 Ar23
English summary.
- 37756 WILEY, W. H., and GARRISON, O. B. Dairy cattle nutrition and management research at Clemson University. S. C. Agr. Exp. Sta. Dairy Sci. Leaflet. 1,12 p. Ref. July 1964. 44.9 So86
- 37757 WING, J. M. High solids milk for calves. Anim. Nutr. Health 21(2):7-8. Feb.1966. 389.78 W52
- 37758 WISE, M. B., BARRICK, E. R., and BLUMER, T. N. Finishing steers with grain on pasture. N. C. Agr. Exp. Sta. Bull. 425,49 p. Sept.1965. 100 N81

Veterinary Medicine

- 37759 ABAKUMOVA, L. F. Concerning the effect of Polygonum coriaria preparations on the activity of the digestive system. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:171-172. 1963, pub.1964. 49.9 AL6T
Of calves and dogs.
- 37760 ABDEL-RAHMAN, S., and VIRTANEN, A. I. On the composition of the blood and plasma of test cows fed on a purified diet with urea and ammonium salts as the sole sources of nitrogen. Suomen Kem. A. 38(12):280-281. 1965. 385 Su7
- 37761 AFSHAR, A. Bovine abortion caused by a psittacosis-lymphogranuloma-venereum agent (Miyagawanella). Vet. Bull. 35(11):673-678. Ref. Nov.1965. 41.8 T752
Review of literature.
- 37762 AFSHAR, A. Virus diseases associated with bovine abortion and infertility. Vet. Bull. 35(12):735-752. Ref. Dec.1965. 41.8 T752
Review of literature.
- 37763 ALIEV, A. A., and ASHIROV, M. G. Effect of high environmental temperature on pancreatic and small intestine secretion in cattle. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 51(11):1335-1342. Ref. Nov.1965. 444.8 F58
- 37764 AMES, E. R. Parasitism in feedlot cattle. Anim. Nutr. Health 20(11):11,18-19,24. Nov. 1965. 389.78 W52
Control.
- 37765 ASHTON, G. C. Cattle serum transferrins: a balanced polymorphism. Genetics 52(5):983-997. Ref. Nov.1965. 442.8 G28
- 37766 AZEVEDO, M. J. B. DE, and CAMPANICO, F. C. Bovine leukemia in Portugal. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(3):135-150. Ref. 1964. 41.8 P83
English summary.

- 37767 BALCH, C. C., and CAMPLING, R. C. Rate of passage of digesta through the ruminant digestive tract. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:108-123. Ref. 1964,pub.1965. 44.9 In86
Cattle.
Discussion, p.124-130.
- 37768 BATTISTON, W. C. Veterinary medicine—mastitis. II. (Por) Rev. Criadores 36(424): 32-33,61. Apr.1965. 43.8 R32
Cattle.
- 37769 BAUER, K. Clone isolation of foot-and-mouth disease virus by the plaque assay method. (Ge) Pathol. Microbiol. 28(6):936-938. 1965. 44.8 Sch9
English summary.
Isolated from calf kidney.
- 37770 BEERWERTH, W., and KOSER, A. Streptococci of various serological groups as mastitis carriers and their occurrence outside the cattle udder. (Ge) Milchwissenschaft 20(11):590-593. Nov.1965. 44.8 M5933
English summary.
- 37771 BENNER, E. R., and WILLIAMS, E. I. Disease problems in a cattle feedlot operation. Southern Vet. 3(2):13-16. Feb.1966. 41.8 So83
- 37772 BENNER, E. R., and WILLIAMS, E. I. The veterinarian's role in a feedlot operation. Southern Vet. 2(10):16-18. Oct.1965. 41.8 So83
- 37773 BERLAND, T. Our dirty sky. Today's Health 44(3):40-45. Mar.1966. 44.9 H993
Includes effects on cattle and vegetation.
- 37774 BERRWERTH, W., and FLASSHOFF, F. G. Experiments on the treatment with antibiotics of cows affected by streptococcal mastitis in one milk collection area. (Ge) Milchwissenschaft 20(12):656-659. Dec.1965. 44.8 M5933
English summary.
- 37775 BERTHELON, M. Bases of prophylaxis of bovine brucellosis. (Fr) Rev. Med. Vet. [Toulouse] 116(4):241-260. Apr.1965. 41.8 R32
English summary.
- 37776 BERULAVA, S. I. Accumulation and reproduction of the foot-and-mouth disease virus in the blood of animals. (Rus) Vop. Vet. Virusol. 1: 214-219. 1964. 41.8 V89
Cattle and guinea pigs.
- 37777 BIANCA, W. Reviews of the progress of dairy science. Section A. Physiology; cattle in a hot environment. J. Dairy Res. 32(3):291-345. Ref.,p.338-345. Oct.1965. 44.8 J823
- 37778 BOHLKEN, H. Comparative studies of the skull of wild and domesticated cattle. (Ge) Z. Wiss. Zool. 170(3/4):323-418. Ref. 1964. 41.0 Z3
- 37779 BORAH, M. M., and CHAKRAVARTY, A. K. Acetonemia (a case report). Indian Vet. J. 42 (11):885-887. Nov.1965. 41.8 In2
Cattle.
- 37780 BOWEN, K. W. Better milking management aids mastitis control. S. Australia J. Agr. 69 (5):180-184. Dec.1965. 23 So84
- 37781 BURGER, H. G., EDELHOCH, H., and CONDLIFFE, P. G. Fluorescence in the characterization of bovine growth hormone. Endocrinology 78(1):98-102. Jan.1966. 44.8 En2
- 37782 CAPEN, C. C., KOESTNER, A., and COLE, C. R. The ultrastructure, histopathology, and histochemistry of the parathyroid glands of pregnant and non-pregnant cows fed a high level of vitamin D. Lab. Invest. 14(10):1809-1825. Ref. Oct.1965. 44.8 L11
- 37783 CARTWRIGHT, T. C., and KRUSE, W. E. Average weaning weights at the McGregor Station. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:7-8. July 1965. 100 T31P
Beef calves; includes breeds.
- 37784 CHRISTENSEN, W. I. Milk sickness: a review of the literature. Econ. Bot. 19(3):293-300. Ref. July/Sept.1965. 45.0 Ec7
The disease in man, and its cause—trembles in cattle; includes tremetol in weeds.
- 37785 COLE, E. J., MACKAY, G., and BARNUM, H. J. Observations on the yellow color that appears on milk sediment disks. J. Milk Food Technol. 28(12):372-374. Dec.1965. 44.8 J824
Mastitis diagnosis.
- 37786 DALGLEISH, R. J. Tick fever immunization. Queensland Agr. J. 91(11):658-661. Nov.1965. 23 Q33
Cattle.
- 37787 DANILOV, L. K. Effect of solar radiation on the calf organism. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:193-198. 1963,pub.1964. 49.9 AL6T
- 37788 DAVID, A. Balantidiosis in a bullock and its treatment with leucarsone. Indian Vet. J. 42 (11):883-885. Nov.1965. 41.8 In2
Caused by Balantidium coli.
- 37789 DEBONS, A. F., and PITTMAN, J. A. Effect of hormones on aminoisobutyric acid uptake by bovine thyroid slices. Amer. J. Physiol. 210 (2):395-398. Ref. Feb.1966. 44.7 Am3
- 37790 DEORANI, V. P. S. Studies on the pathology of Stephanofilaria assamensis in cattle. Cur. Sci. 34(13):410-411. July 5,1965. 475 Sci23
- 37791 DODGE, W. A. Quality milk and mastitis—past-present-future. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:26-32. 1965. 44.9 V593
- 37792 DOHERTY, N. W. Dehorning cattle, a "must" in modern farming. J. Agr. [Melbourne] 63 (12):551-556. Dec.1965. 23 V66J
- 37793 DUNLOP, R. H., and HAMMOND, P. B. Delta-lactic acidosis of ruminants. N. Y. Acad. Sci. Ann. 119(3):1109-1132. Ref. July 31,1965. 500 N484
Cattle studied.
- 37794 FLATT, W. P., and COPPOCK, C. E. Physiological factors influencing the energy metabolism of ruminants. Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.:240-253. Ref. 1964,pub.1965. 44.9 In86
Cattle.
Discussion, p.289-295.
- 37795 FLYNN, K. E. Prevention of bloat in dairy cattle. Tasmanian J. Agr. 36(4):293-297. Nov. 1965. 23 T182T
- 37796 FORREST, R. J., and SATHER, L. A. The effect of hormones on the rate of gain and feed consumption of Holstein-Friesian steers slaughtered at 340, 522, and 703 kilograms body weight. Can. J. Anim. Sci. 45(3):173-179. Ref. Dec.1965. 41.8 C163
- 37797 GALLAGHER, P. Foot trouble in dairy cows may be traced to one of several causes. New Zeal. J. Agr. 111(7):49,51,53. Dec.1965. 23 N48J
- 37798 GANGULI, N. C. Mammary gland: the biochemical dairy. Indian Dairyman 17(1):27-30. Jan.1965. 44.8 In282
- 37799 GARRIGUS, R. R. Meatiness develops early; Purdue study indicates maximum muscle growth first 200-250 pounds after weaning. Beef 1(7):16-17. Sept.1965. 50.8 B39
- 37800 GAY, C. C. Escherichia coli and neonatal disease of calves. Bacteriol. Rev. 29(1):75-101. Ref. Mar.1965. 44.8 B13
Review of literature.
- 37801 GEHRKE, E., and VERTER, W. A contribution to leukosis eradication in cattle raising. (Ge) Arch. Tierzucht 8(4/6):305-315. Ref. 1965. 49 Ar23
English summary.
- 37802 GOMES, J. F. The use of the Zebovitz medium in the diagnosis of staphylococcal bovine mastitis. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(3):175-182. 1964. 41.8 P83
English summary.
- 37803 GRAMENITSKII, B. A. Development of cavum medullare in the embryo of the Yaroslavl cattle. (Rus) In Soveshchanie po Voprosam Individual'nogo Razvitiya Sel'skokhozyaistvennykh Zhivotnykh, 4, Moscow, 1962. Zakonomernosti individual'nogo razvitiya sel'skokhozyaistvennykh zhivotnykh, p.174-177. 1964. 49.9 So87

- 37804 HALE, K. V. Hardware disease. Queensland Agr. J. 92(1):54-56. Jan.1966. 23 Q33
Injuries which occur in cattle.
- 37805 HAYMAN, R. H. Hair growth in cattle. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.575-590. Ref. 1965. QP88.5.L9
- 37806 HERNÁNDEZ PRADO, A. The practice of veterinary gynecology in Venezuela, 1950 to 1964. (Sp) Rev. Vet. Venezolana 18(105):209-258. Ref. Apr.30,1965. 41.8 R3226
Cattle.
- 37807 HIBBS, C. M. Pathology of dairy calves subjected to avitaminosis A, E, and A and E semi-purified diets. Diss. Abs. 26(6):3257-3258. Dec.1965. 241.8 M58
- 37808 HIDIROGLOU, M. Influence of selenium on the selenium contents of hair and on the incidence of nutritional muscular disease in beef cattle. Can. J. Anim. Sci. 45(3):197-202. Ref. Dec. 1965. 41.8 C163
White muscle disease.
- 37809 HIRSHFIELD, I. N., and KORITZ, S. B. Pregnenolone synthesis stimulation in the large particles from bovine adrenal cortex and bovine corpus luteum. Endocrinology 78(1):165-168. Ref. Jan.1966. 448.8 En2
- 37810 HOPKIRK, C. S. M. Report on mastitis research for town milk producers. Town Milk 13(4):23-24,26-27,29. Nov.1965. 44.8 T66
- 37811 HYSLOP, N. S. G., and FAGG, R. H. Isolation of variants during passage of a strain of foot-and-mouth disease virus in partly immunized cattle. J. Hyg. 63(3):357-368. Ref. Sept.1965. 449.8 J82
- 37812 ILANCIC, D., and PAVUNA, H. Analysis of the frequency of puerperal diseases of cows of different breeds on big farms around the Osijek. (Se) Stocarstvo 19(3/4):119-129. Mar./Apr.1965. 43.8 St6
German summary.
- 37813 ISAKSSON, A. What is mastitis? (Sw) Svensk Hushdjurskotsel Ladugard. 5:161-162. May 1965. 44.8 L12
Cattle.
- 37814 IVANYUSHCHENKOV, V. N. A simplified method of producing cell cultures from cattle kidneys. (Rus) Vop. Vet. Virusol. 1:55-59. Ref. 1964. 41.8 V89
- 37815 JASZCZEWSKA, D. A contribution to the morphology of the bovine thyroid gland. Folia Morphol. 23(3):278-282. 1964. 444.8 F71Ae
- 37816 JONADET, M., and others. Histo enzymatic study of the activity of 5-nucleotidase, nucleoside-triphosphatase, beta-glucuronidase, glucose-6-phosphate dehydrogenase and diaphorase in the cornea of cattle. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):665-668. Ref. 1965. 442.9 P21
P. Malet, J. P. Turchini, P. Bastide, and G. Dastugue, joint authors.
- 37817 KAHRS, R. F. Studies on combination vaccines for dairy cattle. Diss. Abs. 26(7):3565-3566. Jan.1966. 241.8 M58
- 37818 KAMISAKA, S., MASUDA, S., and NIWA, T. Shin kachiku shinsa kyohon; wagyu, nyugyu, buta [New standards of inspection for livestock; Japanese cattle, dairy cattle and swine]. Osaka, Fumin Kyokai, 1965. 252 p. SF705.K3
Measurement.
- 37819 KARG, H. Determination of the interstitial cell stimulating hormone (ICSH) in the hypophysis of cattle embryos. (Ge) Naturwissenschaften 53(2):41. Jan.15,1966. 474 N213
- 37820 KHANIN, M. A. Comparative evaluation of surgical and chemical methods of castration of calves of different age. (Rus) Alma-Ata. Zool. Inst. Tr. 13:190-192. 1963, pub.1964. 49.9 AL6T
- 37821 KHATER, A. R. On the problem of satellitosis in nonpurulent encephalitis of cattle. (Ge) Pathol. Vet. 2(3):288-293. 1965. 41.8 P27
English summary.
- 37822 KIERMEIER, F., and KEIS, K. Effect of udder inflammation on the content of milk protein and its components. (Ge) Milchwissenschaft 20 (12):663-665. Ref. Dec.1965. 44.8 M5933
English summary.
- 37823 KOLUSHOV, N. P. Treatment for atresia of cow's teat canals. (Rus) Veterinariya 6:74-75. June 1965. 41.8 V6426
- 37824 KONA, E., and PAUER, T. A contribution to the study of distribution of lipides in the small intestine of calves in the postnatal period of growth. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):19-24. Jan.1965. 49.9 C33
German summary.
- 37825 KOPTEVA, L. A., TSUVERKALOV, D. A., and PANKOVA, G. E. Concerning nitrogen metabolism in the culture medium of cattle kidney cells in the process of reproduction of the foot-and-mouth disease virus. (Rus) Vop. Vet. Virusol. 1:166-175. Ref. 1964. 41.8 V89
- 37826 KOPTEVA, L. A., TSUVERKALOV, D. A., and MEL'NIK, R. I. Nitrogen metabolism in culture medium of survived tissue of cattle tongue epithelium in the process of reproduction of the foot-and-mouth disease virus. (Rus) Vop. Vet. Virusol. 1:176-181. 1964. 41.8 V89
- 37827 KORITZ, S. B., and HALL, P. F. Further studies on the locus of action of interstitial cell-stimulating hormone on the biosynthesis of progesterone by bovine corpus luteum. Biochemistry 4(12):2740-2747. Ref. Dec.1965. 381 B523
- 37828 KOVAL', M. P. Effects of urea on process of fermentation in cow rumen. (Rus) Khim. Sel'skom Khoz. 4(2):66-68. Feb.1966. 385 K524
- 37829 KUCHINSKII, E. G. Assimilation of urea nitrogen and ammonium salts by microorganisms in rumen. (Rus) Khim. Sel'skom Khoz. 4(2):64-66. Ref. Feb.1966. 385 K524
Cattle.
- 37830 KURBANOV, K. K. Effect of age and different calving date of heifers on milk and beef production in Dagestan. (Rus) Zhivotnovodstvo 12:77-78. Dec.1965. 49 Z6
- 37831 LAMPO, P. Influence of some factors on the birth weight of calves. (Fl) Land- Tuinbouw Jaarboek 20:133-136. 1965. 13 L22
- 37832 LUKTUK, S. N., and GHOUDHURY, G. Studies on the incidences of physiological and pathological termination of pregnancies in Hariana females. Indian Vet. J. 42(12):930-936. Ref. Dec.1965. 41.8 In2
- 37833 MAIER, P. Ueber die Verbreitung von Euterstorungen beim Rind unter besonderer Berücksichtigung von Stallhygiene und Melktechnik [On the spreading of udder disturbances of cattle with special emphasis on stall hygiene and milking technique]. Munich. Univ. Tierarztl. Fak. Inaug.-Diss.] 33,43 p. Ref. 1964. 41.2 M9222
Includes use of milking machines.
- 37834 MARKOVIC, B., BRESIJANAC, D., and STANKOVIC, D. A contribution to the causes of bloody milk and therapy of the mammary gland. (Se) Vet. Glas. 19(11):867-869. 1965. 41.8 J93
- 37835 MARQUARDT, R. R. The A-esterase of bovine milk and its relationship to mastitis. Diss. Abs. 26(6):2950. Dec.1965. 241.8 M58
- 37836 MAYMONE, B., and MARTINI, R. DE. Longevity and average productive life of buffaloes bred in Italy. (It) Ann. Sperim. Agr. (n.s.)16(1/2):35-51. 1962, pub.1965. 16 An76
English summary.
- 37837 MCCAIN, C. S., and SIPPEL, W. L. General information and modern control methods of vibriosis problem are important to industry. Fla. Cattleman Livestock J. 30(1):44-45. Oct. 1965. 43.8 F66
In cattle.

- 37838 MEHTA, M. L., KUNDU, P. B., and GUPTA, K. C. Observations on some cases of recurrent subacute type of tympany in bovines. *Indian Vet. J.* 42(12):976-980. Dec.1965. 41.8 In2
- 37839 MILIC, D., and others. A contribution to the study of the number of erythrocytes and concentration of hemoglobin in different cattle breeds during intensive raising. (Se) *Vet. Glas.* 19(11):871-875. Ref. 1965. 41.8 J93
I. Rajic, S. Tasic, J. Stankovic, and S. Pavlovic, joint authors.
English summary.
- 37840 MILIC, D., and others. Fluorosis of the cattle in Serbia. (Se) *Vet. Glas.* 19(11):857-860. Ref. 1965. 41.8 J93
M. Markovic, J. Gliogrijevic, S. Stamatovic and S. Pavlovic, joint authors.
English summary.
- 37841 MOHANLINGAM, U., VEDANAYAKAM, A. R., and VARMA, K. A study of brucellosis in cattle with milk ring rest (MRT). *Indian Vet. J.* 42(11):871-876. Nov.1965. 41.8 In2
- 37842 MURADYAN, A. V. Means of preventing mastitis in cows. 4 p. (TT 62-10654)
Transl. 15315
Translation from *Veterinariya* 12:13-14. Dec. 1961.
Issued by CFSTL.
- 37843 MURRAY, D. M. Adaptation of bovine sweat glands to a hot environment. *Nature [London]* 209(5021):431-432. Jan.22,1966. 472 N21
- 37844 NAIR, P. G. In defence of cattle, antibodies fight the germs. *Gosamvardhana* 13(2):16-21. May 1965. 43.8 G69
- 37845 NEUMANN, W. Studies on the development and lactation performance in cattle born in the fall and in spring. I. The development of body weight. (Ge) *Arch. Tierzucht* 8(4/6):367-376. 1965. 49 Ar23
English summary.
- 37846 NEWBOULD, J. H. S. Is mastitis spreadable? *Hoard's Dairyman* 111(4):203,214. Feb.25,1966. 44.8 H65
Control in cattle.
- 37847 NIEMANN, P. J., and HEYDENRYCH, H. J. Some environmental and physiological factors affecting birth and weaning weights of beef calves. *Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun.* 41,11 p. Ref. 1965. 24 So863
Afrikaner breed.
- 37848 NIKOLIC, D., and SIMOVIC, B. The growth of the Black and White cattle breed from birth until two years of age. (Se) *Stocarstvo* 19(3/4):133-139. Ref. Mar./Apr.1965. 43.8 St6
English summary.
Friesian cattle.
- 37849 OKOVYTYI, A. S. Effect of ultra-sound on the lapinized virus of rinderpest. (Rus) *Vop. Vet. Virusol.* 1:75-79. 1964. 41.8 V89
- 37850 OLTEANU, G., and others. Epizootology, prophylaxis and fight against calves neoscaridosis in Rumania. (Rum) *Rum. Inst. Cercet. Vet. Bioprep. "Pasteur."* *Lucrarile* 1:587-599, map. Ref. 1962, pub.1964. 41.9 R863
V. Fromunda, I. A. Ionescu, C. Minascurta, E. Suteu, and A. Oprea, joint authors.
English summary.
Neoscaris vitulorum infection.
- 37851 PANIN, V. M. Lymphatic system of calves' trachea. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:178-181. 1963, pub.1964. 49.9 AL6T
- 37852 PARIKOV, V. A. Treatment of mastitis in cows using ultrasonics. (Rus) *Veterinariya* 6:77-81. June 1965. 41.8 V6426
- 37853 PIATKOWSKI, B., and KORIATH, G. Digestion and protein metabolism of twin heifers in various rearing intensity. (Ge) *Arch. Tierzucht* 8(4/6):389-396. Ref. 1965. 49 Ar23
English summary.
- 37854 PICHUGIN, L. M., and CHEVELEV, S. F. Morphological and histochemical changes in the survived epithelium of the cattle's tongue infected with foot-and-mouth disease virus. (Rus) *Vop. Vet. Virusol.* 1:148-154. 1964. 41.8 V89
- 37855 PLOWRIGHT, W., MACADAM, R. F., and ARMSTRONG, J. A. Growth and characterization of the virus of bovine malignant catarrhal fever in East Africa. *J. Gen. Microbiol.* 39(2):253-266. Ref. May 1965. 44.8 J823
- 37856 POUPLARD, L., PECHEUR, M., and GREGOIRE, C. Distomatosis in cattle in Belgium. (Fr) *Ann. Med. Vet.* 109(4):237-285. Ref. June 1965. 41.8 An78
English summary.
- 37857 RAJAMANI, S., and GANAPATHY, M. S. Studies on the effects of experimental obstruction to the free-flow of urine in male buffalo calves. *Indian Vet. J.* 42(12):924-929. Dec.1965. 41.8 In2
- 37858 RAKHA, A. M., and ROBERTSON, H. A. Changes in levels of follicle stimulating hormone and luteinizing hormone in the bovine pituitary gland at ovulation. *J. Endocrinol.* 31(3):245-249. Ref. Feb.1965. 44.8 J8293
- 37859 RASCH, D. Biometric methods for describing growth. (Ge) *Arch. Tierzucht* 8(4/6):397-404. 1965. 49 Ar23
English summary.
Cattle.
- 37860 REYES, M. Cuban cattle diseases are rapidly mounting. *Fla. Cattleman Livestock J.* 29(12):28. Sept.1965. 43.8 F66
- 37861 RIGGS, J. K., MCGINNIS, W. S., and CROOKSHANK, H. R. Urinary calculi in steers fed moist sorghum grain and sorghum heads for fattening. *Tex. Agr. Exp. Sta. Progr. Rep.* 2363/2373:3-6. July 1965. 100 T31P
- 37862 ROBERTS, K. C. A veterinarian's views on mastitis & mastitis control. *Md. Va. Milk Prod. News* 10(6):10-11. June 1965. 280.28 M36
Cattle.
- 37863 ROUGHLEY, F. R., MCCLURE, A. D., and PERCY, W. J. A. Application of a modification of the Brabant mastitis reaction. *J. Milk Food Technol.* 28(12):396-398. Dec.1965. 44.8 J824
For cattle.
- 37864 RUDENKO, T. P. Character of strains of *Escherichia coli* isolated from calves sick with acute colenteritis. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:116-121. Ref. 1963, pub.1964. 49.9 AL6T
- 37865 SAHAI, B. N., SINGH, S. P., and SRIVASTAVA, V. K. Chemotherapy of parafilaria in bovines. *Indian Vet. J.* 42(11):881-883. Nov. 1965. 41.8 In2
- 37866 ST. JOHN, L. E., and others. Fate of 4,6-dinitro-2-isobutylphenol, 2-chloro-4,6-bis-(ethylamino)-S-triazine, and pentachloronitrobenzene in the dairy cow. *J. Dairy Sci.* 48(4):502-503. Apr.1965. 44.8 J822
J. W. Ammering, D. G. Wagner, R. G. Warner, and D. J. Lisk, joint authors.
Herbicides.
- 37867 SALERNO, A., and TIBERIO, M. A contribution to the electrophoretic study on the proteins of the blood serum of buffaloes after calving and of the newborn calves in the first days of life. (It) *Ann. Sperim. Agr. (n.s.)* 17(3/4):369-383. Ref. 1963, pub.1965. 16 An76
English summary.
- 37868 SEELEMANN, M. Leukosis—still a danger for the cattle population? (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1778,1780,1782,1784. Nov.18, 1965. 18 N39
- 37869 SHUKLA, K. P., MEMON, G. N., and BUCH, N. C. A study on vaginal smears of Surti buffalo heifers during various phases of estrus cycle. *Indian J. Dairy Sci.* 18(2):87-88. June 1965. 44.8 In28

- 37870 SINGH, N. Obstruction of the teat canal due to fibroma. *Indian Vet. J.* 42(11):877-879. Nov. 1965. 41.8 In2
Cattle.
- 37871 SMILEVSKI, S., and MADJIROV, Z. The effect of dehorning on milk production of cows. (Se) *Stocarstvo* 19(3/4):144-153. Ref. Mar./Apr. 1965. 43.8 St6
- 37872 SNEDDEN, B. Status of studies of epizootic abortion. *Calif. Cattleman* 48(9):33. Sept. 1965. 43.8 C12
A virus abortion.
- 37873 SONNICHSEN, H. V. Fracture of long bones of large animals. Surgical treatment. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 48(23):1037-1041. Dec.1,1965. 41.9 D23
Cattle.
- 37874 STABENFELDT, G. H., and SPENCER, G. R. The lesions in bovine udders shedding hemolytic coagulase-positive staphylococci. *Pathol. Vet.* 2(6):585-600. Ref. 1965. 41.8 P27
- 37875 STEVENS, C. E., and STETTLER, B. K. Factors affecting the transport of volatile fatty acids across rumen epithelium. *Amer. J. Physiol.* 210(2):365-372. Ref. Feb.1966. 447.8 Am3
In cattle.
- 37876 STOTT, G. H. Supplemental phosphorus to reduce milk fever. *Anim. Nutr. Health* 21(1):11-12. Jan.1966. 389.78 W52
Dairy cattle.
- 37877 SUSHKOV, F. V., and SERGEEV, V. A. Morphological and cytochemical changes in cells of kidneys and heart of cattle in prolonged cultivation. (Rus) *Vop. Vet. Virusol.* 1:26-39. Ref. 1964. 41.8 V89
- 37878 SUSHKOV, F. V., LABETSKII, E. V., and SERGEEV, V. A. Morphological and cytochemical characteristics of culture medium of calf's kidney tissue, infected with foot-and-mouth disease virus. (Rus) *Vop. Vet. Virusol.* 1:142-147. Ref. 1964. 41.8 V89
- 37879 SYNSYUKIN, A. A., KUCHMASOV, I. S., and SYNSYUKINA, M. S. Reproduction of the foot-and-mouth disease virus of type A in the suspension of cattle kidney cells. (Rus) *Vop. Vet. Virusol.* 1:138-141. Ref. 1964. 41.8 V89
- 37880 SYURIN, V. N., and others. Testing dry lapinized vaccine virus for the control of rinderpest. I-III. (Rus) *Vop. Vet. Virusol.* 1:298-326. Ref. 1964. 41.8 V89
N. I. Mitin, N. N. Mel'nik, T. G. Man'ko, Yu. I. Petrov, and V. A. Krikun, joint authors.
- 37881 TERRE, J., and others. Quantitative control of anti-foot-and-mouth disease vaccine. (Fr) *Rec. Med. Vet.* 141(11):1109-1130. Nov.1965. 41.8 R24
P. Bornarel, C. Stellmann, and J. P. Soulebot, joint authors.
English summary.
Cattle.
- 37882 THILLEROT, M. A common problem for the physician and veterinarian—cysticercosis. (Fr) *Avenir Agr.* 5:44-45. Sept./Oct.1965. 14 Av32
In cattle.
- 37883 TOMAR, S. P. S., and DESAI, R. N. Study of growth rate in buffaloes maintained on military farms. *Indian Vet. J.* 42(12):947-957. Dec. 1965. 41.8 In2
- 37884 TUCKER, H. A., and MEITES, J. Induction of lactation in pregnant heifers with 9-fluoroprednisolone acetate. *J. Dairy Sci.* 48(3):403-405. Mar.1965. 44.8 J822
- 37885 TULLOH, N. M., and HUGHES, J. W. Physical studies of the alimentary tract of grazing cattle. II. Techniques for estimating the capacity of the reticulo-rumen. *New Zeal. J. Agr. Res.* 8(4):1070-1078. Nov.1965. 23 N4892
Jersey breed.
- 37886 TURMAN, E. J. Estrus control in cows. *Okla. Cowman* 5(9):26-29. Sept.1965. 43.8 Ok42
Using hormones.
- 37887 VAN PELT, R. W. Pathologic alterations in the synovial fluid and joints of cattle. *Diss. Abs.* 26(6):3258-3259. Dec.1965. 241.8 M58
- 37888 VEIRUP, N. H. The stall as a cause of injuries. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 48(23):1044-1050. Dec.1,1965. 41.9 D23
Cattle.
- 37889 VIAL, V. E., and O'FERRALL, G. J. M. The effects of breed, sex, season and age of dam on the birth weight of dairy and crossbred calves and their growth during the first seven days of age. *Irish J. Agr. Res.* 4(2):223-230. Ref. Oct.1965. 10.5 Ir45
- 37890 VINDING, J. Lungworm of cattle. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 48(23):1051. Dec.1,1965. 41.9 D23
- 37891 WADSWORTH, J. R. Programmed dairy herd health. *Agway Coop.* 1(11):8-9. Aug.1965. 280.28 Ag9
For disease prevention.
- 37892 WAGSTAFF, D. J., and others. Q fever studies in Maryland. *Public Health Rep.* 80(12):1095-1099, map. Ref. Dec.1965. 151.65 P96
J. H. Janney, K. L. Crawford, G. G. Dimijian, and J. M. Joseph, joint authors.
In dairy cattle and man.
- 37893 WALKER, G. L. Preventing ketosis losses. *Anim. Nutr. Health* 20(11):7-8. Nov.1965. 389.78 W52
In dairy cattle and sheep.
- 37894 WESTERMARCK, H. The role of amino acids and the effect of amino acid therapy in ketosis in cows. (Fi) *Suomen Elainlaakarilehti* 71(12):475-489. Dec.1965. 41.8 F49
English summary.
- 37895 WHEELLOCK, J. V., ROOK, J. A. F., and DODD, F. H. The effect of intravenous injections of oxytocin during milking and the removal of residual milk on the composition of cow's milk. *J. Dairy Res.* 32(3):255-262. Ref. Oct.1965. 44.8 J823
- 37896 WHITE, J. H. Beware of chemical residues! *Fla. Cattleman Livestock J.* 29(12):57-58. Sept.1965. 43.8 F66
Contamination of beef from treated animal feeds and from other economic poisons.
- 37897 WICKINGEN, H. A calf with six feet. (Ge) *Schlacht- Viehhof-Zeitung* 65(4):156. Apr.1965. 286.85 D48
- 37898 WIESENDANGER, H. Birth in the cattle barn. (Ge) *Grune* 93(53):1895-1902, 1907-1908. Dec.31,1965. 17 Sch9
- 37899 WILEY, W. H., and GARRISON, O. B. Dairy research in reproductive physiology and genetics. *S. C. Agr. Exp. Sta. Dairy Sci. Leaflet* 3, 6 p.-folder. Aug.1964. 44.9 So86
- 37900 WINTERHALTER, M. Cysticercosis of cattle fattened on farms. (Se) *Vet. Glas.* 19(10):779-783. 1965. 41.8 J93
- 37901 WOELFEL, C. G., and others. Intake of water and the volume and composition of urine of Holstein male calves. *Conn. (Storrs) Agr. Exp. Sta. Res. Rep.* 6, 10 p. Ref. June 1965. 100 C76Re
M. C. Calhoun, J. E. Rousseau, H. D. Eaton, and J. J. Lucas, joint authors.
- 37902 ZHEREBTSOV, P. I., VRAMIN, V. F., and WANG, T. S. Simultaneous formation of two gastric pouches from lesser and greater curvature of abomasum in calves. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 51(10):1269-1272. Ref. Oct.1965. 444.8 F58
Surgery.
- 37903 ZULINSKI, T. Leukemia in cattle. 11 p. (OTS 63-26694) *Transl.* 15467
Translation from *Medycyna Weterynaryjna* 18(3):131-137. 1962.
CFSTI: \$1.60.

Miscellaneous

- 37904 BETTENAY, R. A. Rearing dairy calves. West. Australia. Dep. Agr. J. (ser.4)6(9):523-526,529-530. Sept.1965. 23 W52J
- 37905 BRADBURY, C. J., and MACLEAN, T. N. Standard herd test for pure-bred dairy cows. J. Agr. [Melbourne] 63(12):569-578. Dec.1965. 23 V66J
- 37906 BREITENSTEIN, K. G., FIEDLER, H., and HANSCHMANN, G. Possibilities and requisites for increasing protein content in milk exemplified by the herds of the Institute for Animal Breeding and Animal Husbandry [Institut für Tierzucht und Tierhaltung] at Clausberg. (Ge) Arch. Tierzucht 8(4/6):271-282. Ref. 1965. 49 Ar23
English summary.
- 37907 CANADA. DEPT. OF AGRICULTURE. LIVE-STOCK DIV. Rules governing the Canadian record of performance service for registered dairy cattle effective April 1965. Ottawa, 1965. 19 p. 43.9 C16R
- 37908 DANTAS, G. The bossa nova steer. (Por) Rev. Criadores 36(427):68-70. July 1965. 43.8 R32
Beef producers of Brazil.
- 37909 DIAS, O. J. Productivity and dairy control. (Por) Rev. Criadores 36(430):116. Oct.1965. 43.8 R32
Dairy cattle records in Brazil.
- 37910 EKESBO, I. Sanitation and animal health in dairy barns with liquid manure handling. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:133-144. 11 Sw34
- 37911 FERRANDO, R., and WOLTER, R. The baby beef and meat production. III. Rentability of production. (Fr) Rec. Med. Vet. 141(1):1137-1148. Ref. Nov.1965. 41.8 R24
English summary.
- 37912 HANSSEN, G., and JEBAUTZKE, W. Innovations from Old England. II. (Ge) Betriebswirtschaft. Mitt. Wirtschaftsberater 134:17-20. Nov.15,1965. 281.8 B462
In dairy cattle raising.
- 37913 HARTE, F. J., CURRAN, S., and VIAL, V. E. The production of beef from young bulls. I. Irish J. Agr. Res. 4(2):189-204. Ref. Oct.1965. 10.5 Ir45
- 37914 HARWIN, G. O. Beef cattle. 1. Aim at higher calving percentages. Farming S. Afr. 41(8):65,67. Nov.1965. 24 So842
- 37915 HOWARD, K. F. Producing beef in north-west Queensland. I. Queensland Agr. J. 92(1):6-15. map. Jan.1966. 23 Q33
- 37916 JOHANSSON, P. Some notes on milk production and milk recording societies. (Sw) Varm-lands Lans Hushallningssallsk. Arsberat. 1964:150-153. 1965. 11 V43
- 37917 KOCH, C. R. It's all in the index. Farm Quart. 21(1):61-65,128,130-131. 1966. 6 F22995
Beef cattle performance record.
- 37918 LANGLEY, J. A. Seasonality of milk production and milk yields from grazing. Exeter. Univ. Dep. Agr. Econ. Rep. 155,35 p. Nov. 1965. 281.9 Scl
- 37919 MAGAS, L. Some possibilities for increasing milk and beef production. (Hu) Magyar Mezo-gazdasag 21(1):18-19. Jan.5,1966. 19 M27
- 37920 NEUMEYER, R. H. What's in it for me? Calif. Cattleman 48(9):23. Sept.1965. 43.8 C12
Beef cattle associations.
- 37921 NOURRISSAT, P. Cattle traction in Senegal. (Fr) Agron. Trop. [Paris] 20(9):823-853. Sept. 1965. 26 Ag86
English summary.
- 37922 OPPLAND LANDBRUKSSELSKAP. Feavl, svinavl og fjoskontroll i Oppland 1965, ved fylkesagronom Per Fjorkenstad [Cattle husbandry, swine breeding and dairy barn control in Oppland 1965, by Per Fjorkenstad]. Gjøvik, 1965. 96 p. 44.9 Op4
- 37923 POLY, J., POUTOUS, M., and FREBLING, J. Method of estimating the index of milk production. (Fr) France. Min. Agr. Bull. Tech. Inform. 205:957-963. Dec.1965. 14 F844B
- 37924 REISCH, E. The development of German dairy cattle rearing and its regional distribution. (Ge) Tierzuchter 18(2):37-38,40,map. Jan.20. 1966. 49 T445
- 37925 RODRIQUEZ, C. A. Care and feeding of dairy calves. (Sp) Rev. Cafetalera 47:24-25. July 1965. 68.28 R322
In Guatemala.
- 37926 SCHWARK, H. J., and JAHNE, M. Studies on the persistency of milk protein content in the course of lactation. (Ge) Arch. Tierzucht 8(4/6):441-453. Ref. 1965. 49 Ar23
English summary.
- 37927 SINGH, B. Problems of cattle development and their solution. Gosamvardhana 13(2):22-26. May 1965. 43.8 G69
Improve care.
- 37928 SJODIN, E. Development of the cow of the future. (Sw) Svensk Husdjursskotsel Ladugard. 5:157-158. May 1965. 44.8 L12
Progeny testing of dairy cattle.
- 37929 SMITH, H. D. Dreaming of a cattle ranch in Alaska? It's not quite paradise. Amer. Cattle Prod. 47(9):9-10. Feb.1966. 49 P94
- 37930 TEXAS. AGRICULTURAL EXPERIMENT STATION. Beef cattle research in Texas, 1965. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373,35 p. Ref. July 1965. 100 T31P
- 37931 VINS, J. New system of identification and branding of cattle. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:49-51. 1965. 20 M57
- 37932 WIERSMA, F. Water-cooled shade boots breeding efficiency. Western Dairy J. 22(4):18. Feb.1966. 44.8 W524
- 37933 WILSON, R. B. Beef production should figure more prominently in Southland scene. New Zeal. J. Agr. 111(7):66-67. Dec.1965. 23 N48J
- 37934 WINNIGSTEDT. On the future of German cattle performance books. (Ge) Tierzuchter 18(2):34-37. Jan.20,1966. 49 T445

DOGS AND CATSBreeds and Breeding

- 37935 DAWSON, W. M. Studies of the inheritance of intelligence and temperament in dogs. U. S. Agr. Res. Serv. ARS 44 -163,4 p. Aug.1965. A49.9 R31A

Feeds and Feeding

- 37936 THIEDE, U., and OTTENS, O. Experiences obtained in the artificial rearing of puppies. (Ge) Zool. Gart. 31(3/4):203-208. Ref. 1965. 410 Z724
Includes feed formulas.
- 37937 WANNEMACHER, R. W., and MCCOY, J. R. Determination of optimal dietary protein requirements of young and old dogs. J. Nutr. 88(1):66-74. Ref. Jan.1966. 389.8 J82

Veterinary Medicine

- 37938 ABBRECHT, P. H., and MALVIN, R. L. Renal production of erythropoietin in the dog. Amer. J. Physiol. 210(2):237-242. Ref. Feb.1966. 447.8 Am3
- 37939 BAKER, G. J., and HOFFER, R. E. Surgical correction of esophageal stenosis in the dog. Amer. Vet. Med. Ass. J. 148(1):44-47. Ref. Jan.1,1966. 41.8 Am3
- 37940 BALINT, P., and VISY, M. "True creatinine" and "Pseudocreatinine" in blood plasma of the dog. Acta Physiol. 28(3):265-272. Ref. 1965. 448.8 Ac84

- 37941 BANIC, J. Experimental studies on bone transplantation in the dog. (Ge) Zentralbl. Veterinarmed. Reihe A. 12(9):807-840. Ref. Dec.1965. 41.8 Z5
English summary.
- 37942 BEDRAK, E. Blood serum enzyme activity of dogs exposed to heat stress and muscular exercise. J. Appl. Physiol. 20(4):587-590. Ref. July 1965. 447.8 J825
- 37943 BEDRAK, E. Effect of muscular exercise in a hot environment on canine fibrinolytic activity. J. Appl. Physiol. 20(6):1307-1311. Ref. Nov. 1965. 447.8 J825
- 37944 BERTHELON, M., and ROYAL, L. Dystocia in domestic carnivores. (Fr) Rev. Med. Vet. [Toulouse] 116(2):81-94. Feb.1965. 41.8 R32
English summary.
Dogs and cats.
- 37945 BRODEY, R. S., REID, C. F., and SAUER, R. M. Metastatic bone neoplasms in the dog. Amer. Vet. Med. Ass. J. 148(1):29-43. Ref. Jan.1,1966. 41.8 Am3
- 37946 BULLOCK, L. Two cases of a functioning islet cell tumor in the canine. Calif. Vet. 19(6):14-17,30-31. Ref. Nov./Dec.1965. 41.8 C12
Carcinoma of the pancreas.
- 37947 COLLETTE, W. L., and MERIWETHER, W. F. Some changes in the peripheral blood of dogs after administration of certain tranquilizers and narcotics. Vet. Med./Small Anim. Clin. 60(12):1223-1226. Ref. Dec.1965. 41.8 M69
- 37948 CONRAD, L. L., TRENDLEY, R. L., and BAXTER, D. J. Positive inotropic effect of manganese on dog myocardium. Amer. J. Physiol. 210(2):357-359. Feb.1966. 447.8 Am3
- 37949 CORLEY, W. D., BOHLSSEN, D. C., and JONES, J. R. Measurement of carotid blood flow in dogs using a closed chest cardiac massage machine. Vet. Med./Small Anim. Clin. 60(12):1217-1219,1222. Dec.1965. 41.8 M69
- 37950 DAS, K. M., and TASHJIAN, R. J. Chronic mitral valve disease in the dog. Vet. Med./Small Anim. Clin. 60(12):1209-1216. Dec. 1965. 41.8 M69
- 37951 DOAK, R. L., and others. Thallium intoxication: a specific antidote, supportive therapy and clinical evaluation. Vet. Med./Small Anim. Clin. 60(12):1227-1231. Dec.1965. 41.8 M69
R. P. Schmidtke, J. D. Wallach, L. E. Davis, and K. H. Niemeyer, joint authors.
Dogs.
- 37952 ERICKSON, N. G. The metabolism of diphenyl phthalate and butylbenzyl phthalate in the Beagle dog. Diss. Abs. 26(6):3014-3015. Dec. 1965. 241.8 M58
- 37953 EZDINLI, E. Z., and SOKAL, J. E. Comparison of glucagon and epinephrine effects in the dog. Endocrinology 78(1):47-54. Ref. Jan. 1966. 448.8 En2
- 37954 FICUS, H. J. The pyelogram; technique and evaluation in practice conditions. (Ge) Kleintier-Praxis 10(3):65-70. Apr.1965. 41.8 K67
Dogs.
- 37955 FISH, J. G., MORGAN, D. W., and HORTON, C. R. Clinical experiences with sulfadimethoxine in small animal practice. Vet. Med./Small Anim. Clin. 60(12):1201-1203. Dec. 1965. 41.8 M69
Bacterial infections of dogs.
- 37956 FISH, J. G. Notes on small animal practice. Ga. Vet. 18(1):5-9. Jan./Feb.1966. 41.8 G29
Chiefly dogs.
- 37957 FISHER, E. W., RITCHIE, D., and THOMSON, A. Aortic incompetence in a dog. Vet. Rec. 77(18):506-508. May 1,1965. 41.8 V641
- 37958 FONTAINE, M. Presentation of animals attacked by osteoarticular disease. (Fr) Rev. Pathol. Comp. 65(771):485-495. Oct.1965. 448.8 R326
Cats and dogs.
Includes discussion.
- 37959 GARNHAM, P. C. C. The leishmanias, with special reference to the role of animal reservoirs. Amer. Zool. 5(1):141-151. Ref. Feb. 1965. 410 Am3
Transmitted by dogs and rodents.
- 37960 GILLETTE, D. D., and FILKINS, M. Factors affecting antibody transfer in the newborn puppy. Amer. J. Physiol. 210(2):419-422. Ref. Feb.1966. 447.8 Am3
Progesterone, hydrocortisone and metopirone.
- 37961 GULYAEV, A. I. Concerning serological diagnosis of brucellosis in cats. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:124-126. 1963, pub.1964. 49.9 AL6T
- 37962 HAMLIN, R. L., SMITH, C. R., and SMETZGER, D. L. Sinus arrhythmia in the dog. Amer. J. Physiol. 210(2):321-328. Ref. Feb.1966. 447.8 Am3
- 37963 HAMON, J. H. Another cat with an "upside-down stomach." Ind. Acad. Sci. Proc. 74:360-361. 1964, pub.1965. 500 In2
- 37964 HARTIG, F. The stratum perivaginale in the scrotal and inguinal region and its surgical significance. (Ge) Zentralbl. Veterinarmed. Reihe A. 12(9):881-887. Dec.1965. 41.8 Z5
English summary.
Dogs.
- 37965 HARVEY, D. G., and RICHARDS, M. A. A comparison of two methods used for the determination of blood urea in the dog. Vet. Rec. 77(16):450-452. Ref. Apr.17,1965. 41.8 V641
Includes chromatography.
- 37966 HESSE, H. Klinische Erhebungen über den Einfluss des generativen Geschehens auf die Mammatumorbildung der Hundin [Clinical inquiries on the effect of generative causes on mammary tumor formation of the bitch]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 22, 73 p. Ref. 1964. 41.2 M9222
- 37967 HOERLEIN, B. F. Differential diagnosis of spinal disorders in dogs. Amer. Vet. Med. Ass. J. 147(12):1432-1435. Ref. Dec.15,1965. 41.8 Am3
- 37968 HUANG, T. C., and KUKSIS, A. Lymphatic absorption of cholesterol in the dog following corn oil and butterfat feeding. Can. J. Physiol. Pharmacol. 43(2):299-311. Ref. Mar.1965. 444.8 C16
- 37969 KOVATCH, R. M., HILDEBRANDT, P. K., and MARCUS, L. C. Cystic mucinous hypertrophy of the mucosa of the gall bladder in the dog. Pathol. Vet. 2(6):574-584. 1965. 41.8 P27
- 37970 LIBERSA, C., and LAUDE, M. Anatomical study on the venous variations of the hilus of the spleen in dog. (Fr) Rec. Med. Vet. 141(11):1055-1064. Nov.1965. 41.8 R24
English summary.
- 37971 LITWACK, M. Candicidin therapy for mycotic dermatoses in dogs and cats. Amer. Vet. Med. Ass. J. 148(1):23-25. Jan.1,1966. 41.8 Am3
Especially ringworm.
- 37972 LUCAS, A., METIANU, T., and ATANASIU, P. Aujeszky's disease of dogs in France. (Fr) Inst. Pasteur. Ann. 110(1):130-135. Ref. Jan. 1966. 448.3 An75
English summary.
- 37973 MAITRA, S. R., and others. Studies on the rhythmic undulations of the systemic arterial blood pressure with each respiratory phase. Naturwissenschaften 52(20):563-564. Oct.15, 1965. 474 N213
S. Das, S. Chatterjee, and B. N. Koley, joint authors.
Cats.
- 37974 MCCUISTION, W. R. Pulmonary edema and persistent ankyloblepharon in puppies. Vet. Med./Small Anim. Clin. 60(12):1206-1207. Dec.1965. 41.8 M69

- 37975 MISRA, R., and MENON, U. K. Some observations on the dissociative behaviour of *Pseudomonas pyocyanea* with regard to pyocyanine production. *Indian Vet. J.* 42(1):16-23. Ref. Jan. 1965. 41.8 In2
Isolated from dogs.
- 37976 MOLLARET, H. H. Infection of cat by *Malassez* and *Vignal* bacillus. I. (Fr) *Rec. Med. Vet.* 141(11):1079-1094. Ref. Nov.1965. 41.8 R24
English summary.
Review of literature.
Pasteurella pseudotuberculosis.
- 37977 MURZAMADIEV, A. Development of synaptic formations of the brain in dogs during the post-embryonal period. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:271-278. 1963, pub.1964. 49.9 AL6T
- 37978 NAIR, K. P. D., and RAJAGOPALAN, M. K. Vallergran (Trimeprazine tartrate) as premedicant for intravenous anaesthesia in dogs with intraval sodium (Thiopentone). *Indian Vet. J.* 42(11):864-870. Ref. Nov.1965. 41.8 In2
- 37979 PALUMBO, N. E., and HUBBARD, R. E. Surgical treatment of aortic embolism in the cat. *Amer. Vet. Med. Ass. J.* 148(1):26-28. Jan.1, 1966. 41.8 Am3
- 37980 PLUME, C. Electrocardiograph of the dog. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4): 1014-1016. 1965. 442.9 P21
- 37981 REECE, W. O. Effects of exercise and inhaled yttrium oxide on blood lactic acid, erythrocyte volume, and lung histology in dogs. *Diss. Abs.* 26(6):3457. Dec.1965. 241.8 M58
- 37982 RUBIN, L. F., and SAUNDERS, L. Z. Intraocular larva migrans in dogs. *Pathol. Vet.* 2(6): 566-573. Ref. 1965. 41.8 P27
Larvae of *Toxocara* sp. identified in the lesions.
- 37983 SANKARANARAYANAN, M. V., RAMAMIRTHAM, and LAKSHMINARAYANAN, K. S. Record of the guinea worm *Dracunculus medinensis* in an Alsatian bitch. *Indian Vet. J.* 42(12): 972-973. Dec.1965. 41.8 In2
- 37984 SCHALM, O. W. The leukemia complex in the cat. *Calif. Vet.* 19(6):33-34. Nov./Dec.1965. 41.8 C12
- 37985 SINGH, M. M., SINHA, G. K., and GUPTA, B. N. Corneal opacity in a dog. *Indian Vet. J.* 42(11): 879-880. Nov.1965. 41.8 In2
- 37986 SMITS, G. M., and others. *Diocetophyma renale* in a dog in the Netherlands. *Trop. Geogr. Med.* 17(2):162-168. June 1965. 448.8 D65
W. Misdorp, A. C. Rijpstra, and N. H. Swellingengrebel, joint authors.
- 37987 STRANDBERG, J. D., and CARMICHAEL, L. E. Electron microscopy of a canine herpes virus. *J. Bacteriol.* 90(6):1790-1792. Dec.1965. 448.3 J82
- 37988 VAN KRUNINGEN, H. J., and others. A granulomatous colitis of dogs with histologic resemblance to Whipple's disease. *Pathol. Vet.* 2(6): 521-544. Ref. 1965. 41.8 P27
R. J. Montali, J. D. Strandberg and R. W. Kirk, joint authors.
- 37989 VEEN, P. J., and MISDORP, W. About endometriosis in man and animals. A peculiar case of endometriosis externa in a cat. (Du) *Tijdschr. Diergeneesk.* 90(23):1603-1612. Ref. Dec.1,1965. 41.8 T431
English summary.
- 37990 WILSON, F. D., and DAVID, G. Extra-genital histiocytoma in canines. *Indian Vet. J.* 42(12): 973-975. Dec.1965. 41.8 In2
- 37991 ZAMAN, V., and SINGH, M. Immuno-fluorescent studies with hookworms. I. Antigenic relationships of ova. *Roy. Soc. Trop. Med. Hyg. Trans.* 59(6):690-693. Nov.1965. 448.9 R813
Includes *Ancylostoma caninum* of dog.

Miscellaneous

- 37992 HOSTETTLER, R. I., HAVENS, J. E., and BASHAW, R. T. Washington 4-H dog obedience project. *Wash. State Univ. Ext. E. M.* 2563, 40 p. Sept.1965. 275.29 W27Mi
- 37993 LEVISON, P. K., and FLYNN, J. P. The objects attacked by cats during stimulation of the hypothalamus. *Anim. Behav.* 13(2/3):217-220. Apr./July 1965. 410 B77
- 37994 RESCORLA, R. A., and LOLORDO, V. M. Inhibition of avoidance behaviour. *J. Compar. Physiol. Psychol.* 59(3):406-412. June 1965. 410 J822
Of dogs.
- 37995 SAYAGO PEREZ, J. Basic principles for the organization and construction of a dog kennel suitable for breeding and training. (Sp) *Arch. Zootec.* 14(53):55-98; (54):107-171. (Cont.) Jan./Mar.-Apr./June 1965. 49 Ar22
Chiefly training guard dogs and guide dogs.
- 37996 SYMPOSIUM on Recording Animal Behavior, London, 1965. *Anim. Behav.* 13(4):579-588. Oct.1965. 410 B77
Abstracts of papers; includes dogs, poultry and insects.
Organized by the Association for the Study of Animal Behavior.

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 37997 CLARKE, J. D. W. Chinchilla problems: how to increase production. *Fur Trade J. Can.* 42 (9):10-11. (Cont.) May 1965. 410 F965
Hereditary weaknesses and their control.
- 37998 HEIDORN, E. E. Mathematical approach to reproduction—cull those poor producers! *Empress Chinchilla* 22(2):23. Feb.1966. 412.628 N21
- 37999 KLAPPERSTUCK, J. *Der Sumpfbiber* (Nutria). [The coypu (nutria)]. Ed. 2, enl. *Neue Brehm-Bucherei* 115,56 p. Ref. 1964. 409 N392
- 38000 RANNE, M. Jet-Black mink—what is it? (Sw) *Vara Palsdjur* 36(11):419-420. Nov.15,1965. 410 V42

Feeds and Feeding

- 38001 BAALSRUD, N. I., and KVESETH, C. Forsok med okt mengde B6 pyridoksinklorid til mink [Experiments with increased amount of B6, pyridoxine to mink]. *Norsk Pelsdyrbl.* 39(sup. 24),6 p.-folder. Ref. 1965. 412.628 N812
- 38002 OSTHOLM, C. O. Fors mink feed 40/60; results of trials and use. (Sw) *Vara Palsdjur* 36(11):423-424,427-429. Nov.15,1965. 410 V42

Veterinary Medicine

- 38003 DOLNICK, E. H. A comparative study of the skin of fur bearers: the functional role of some connective tissue elements. In *Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth*, p.155-164. Ref. 1965. QP88.5.L9
- 38004 HELGEBOSTAD, A. Retention of content in anal sacs of mink as a cause of tail biting. (No) *Norsk Pelsdyrbl.* 39(24):584-585. Dec.20, 1965. 412.628 N812
- 38005 KULL, K. E. Infectious lung inflammation. (Sw) *Vara Palsdjur* 36(11):429,448. Nov.15, 1965. 410 V42
A disease of mink caused by *Pseudomonas aeruginosa*.

- 38006 LYNE, A. G. The hair cycle in the chinchilla. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.467-489. Ref. 1965. QP88.5.L9
- 38007 METELKIN, O. A. Toxoplasmosis in fur-bearing animals. (Rus) Krolikovodstvo Zverovodstvo 12:24-25. Dec.1965. 40.28 K91

Miscellaneous

- 38008 SCHMIDT, F. Some advice concerning the goal of mink breeders in relation to the care of fur animals and the time of their pelting. (Ge) Deut. Pelztierzuchter 39(11):201-203. Nov.1, 1965. 412.628 D48
- 38009 ZIMMERMANN, W. The problems affecting the fur of the chinchillas. (Ge) Deut. Pelztierzuchter 39(11):210-212. Nov.1, 1965. 412.628 D48

HORSES AND MULES

Breeds and Breeding

- 38010 CHACHULA, J. The Polish Association of Horse Breeders [Polski Związek Hodowcow Koni]. (Pol) In Kon polski; hodowla, sport, eksport, p.22-25. 1965. 42 K833
- 38011 DUSEK, J. A contribution to the study of heredity of some properties of horses. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):449-456. Ref. June 1965. 49.9 C33 English summary.
- 38012 FEDOTOV, P. A. Families of race horses and methods of work with them on the Kokchetav stud farm. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:42-54. 1963, pub. 1964. 49.9 AL6T
- 38013 GRIFFEN, J. The pony book. Garden City, N. Y., Doubleday, 1966. 287 p. SF315.G7 Especially the breeds.
- 38014 HROBONI, Z. Trends in Polish horse breeding. (Pol) In Kon polski; hodowla, sport, eksport, p.6-8. 1965. 42 K833
- 38015 KANTAKIRJA suomalaisten kevoisten. Tammat. XXV nide. Vuosina 1958-1961 kantakirjaan hyvakstyt tyohevos- seka yleishevostammat [Studbook for horses of Finnish breed. Mares. Volume XXV. Mares of draft and universal type of horses registered during the years, 1958-1961]. Helsinki, Maataloushallitus, 1965. 453 p. 42.9 K13
- 38016 KLEMENT, J. Relation between the growth of the Thoroughbred horses in early stages and their measurements and racing performance in final stage. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):57-66. Ref. Jan.1965. 49.9 C33 German summary.
- 38017 KOULISCHER, L., and FRECHKOP, S. Chromosome complement: a fertile hybrid between Equus prjewalskii and Equus caballus. Science 151(3706):93-95. Jan.7, 1966. 470 Sci2
- 38018 KRZYSZTALOWICZ, A. Polish Arab horses. (Pol) In Kon polski; hodowla, sport, eksport, p.13-16. 1965. 42 K833
- 38019 PIOTROWSKI, M. Horse breeding in State studs. (Pol) In Kon polski; hodowla, sport, eksport, p.9-12. 1965. 42 K833
- 38020 PRUSKI, W. Changes in horse breeding in the modern world. (Pol) In Kon polski; hodowla, sport, eksport, p.2-5. 1965. 42 K833
- 38021 REVISTA DOS CRIADORES. Edition dedicated to horses. (Por) Rev. Criadores 36(430):12-22, 59-62, 79-81, 87, 89, 92-94. Oct. 1965. 43.8 R32 Includes Our brother the horse, by V. Correa; the Jockey Club of Sao Paulo; and descriptions of the Mangalarga, Campolino, Crioulo, and Arab, in Brazil.

- 38022 SCHUCH, S. Thoroughbred horses. (Pol) In Kon polski; hodowla, sport, eksport, p.17-19. 1965. 42 K833 In Poland; includes breeding.
- 38023 SOSNOWSKI, A. The Wielkopolski [Greater Poland] horse in Mazuria studs. (Pol) In Kon polski; hodowla, sport, eksport, p.20-21. 1965. 42 K833
- 38024 STIPIC, L. Breeding of horses in People's Republic Germany. (Se) Stocarstvo 19(9/10): 405-411. Sept./Oct. 1965. 43.8 St6
- 38025 THOROUGHBRED BREEDERS' ASSOCIATION. Forty-ninth annual general meeting, 1965; report of the proceedings. London, 1965. 10 p. 42.9 T39
- 38026 THOROUGHBRED RECORD. Annual statistical review covering the racing year 1965. Thoroughbred Rec. 183(7), 810 p. Feb. 12, 1966. 42.8 T39 Includes pedigrees, and stallion register.
- 38027 THUN-HOHENSTEIN, R. COUNT VON. Breeding of English Thoroughbreds. II. (Ge) Tierzuchter 18(1):4-6, 8. Jan. 5, 1966. 49 T445

Feeds and Feeding

- 38028 DEAN, K. Trace minerals for the modern horse. Feed Age 16(1):18-21. Jan. 1966. 389.78 F327
- 38029 HEINEMANN, E. How to prepare horse pasture and manage it. West. Livestock J. 44(10):186, 188, 192. Jan. 1966. 6 F2278
- 38030 MOLINE, W. J., and GOODWIN, E. E. Better horse pastures in Maryland. Md. Univ. Ext. Fact Sheet 174, 2 p. Oct. 1965. 275.29 M36Fa

Veterinary Medicine

- 38031 AMARAL, D. C. C. DO, and others. Trial on vermifuges used on horses. (Por) Rev. Agr. [Piracicaba] 40(4):167-172. Dec. 1965. 9.2 R324 A. P. L. Zamith, R. Vencovsky, and B. Bunning, joint authors.
- 38032 BRANCKAERT, R., and HERIN, V. The pathogenic role of Salmonella wangata in horses and the place of phenothiazine in fostering the salmonellosis. (Fr) Ann. Med. Vet. 109(4):286-293. Ref. June 1965. 41.8 An78 English summary.
- 38033 BURGER, C. H. Salmonella septicemia in the horse. Calif. Vet. 19(6):11-12, 29. Nov./Dec. 1965. 41.8 C12 Salmonella typhimurium isolated.
- 38034 DELAHANTY, D. D., and GEORGI, J. R. Thermography in equine medicine. Amer. Vet. Med. Ass. J. 147(3):235-238. Aug. 1, 1965. 41.8 Am3
- 38035 EIS, G. Two notices on horse treatment according to Andreas the Miller (around 1500). (Ge) Deut. Tierarztl. Wochenschr. 72(23):556-557. Dec. 1, 1965. 41.8 D482 English summary. Prescriptions.
- 38036 GUILHON, J., and GRABER, M. The effect of the 2,2'-thiobis (4,6 dichlorophenol) on the helminths of the Equidae. (Fr) Rev. Elevage Med. Vet. Pays. Trop. (n.s.) 17(4):599-605. 1964. 41.8 R3262 English summary. Intestinal worms.
- 38037 JENNINGS, W. L., ALLEN, R. H., and LEWIS, A. L. Western equine encephalomyelitis in a Florida horse. Amer. J. Trop. Med. Hyg. 15(1):96-97. Jan. 1966. 448.8 Am326
- 38038 JESUS, Z. DE. On the control of surra, strongylosis and habronemiasis in horses. Araneta J. Agr. 11(4):200-207. Ref. Oct./Dec. 1964. 25 Ar1 Literature review.

- 38039 KOSYANCHUK, V. Veterinary stomatology. (Rus) Konevodstvo i Konnyi Sport 2:31. Feb. 1966. 42.8 K832
Instrument and treatment of horse teeth.
- 38040 LIEF, F. S., and COHEN, D. Equine influenza: studies of the virus and of antibody patterns in convalescent, interepidemic and postvaccination sera. Amer. J. Epidemiol. 82(3):225-246. Ref. Nov.1965. 449.8 Am3
- 38041 NURMIO, P. Some observations of the punctured foot in horses in forest work. (Fi) Suomen Elainlaakarilehti 71(12):490-493. Dec. 1965. 41.8 F49
English summary.
- 38042 OBUKHOV, B. Prevention of horses from breaking legs. (Rus) Konevodstvo i Konnyi Sport 2:28-30. Feb.1966. 42.8 K832
- 38043 PRANCHOV, R. Production and application of pregnant mares serum should be regulated and become a State undertaking. (Bu) Vet. Sbirka 2:12-14. Feb.1964. 41.8 V6463
- 38044 ROSLYAKOV, A. A. Studying on asses hyperimmunization schemes for obtaining highly active antirabic sera. (Rus) Vop. Vet. Virusol. 1:497-506. Ref. 1964. 41.8 V89
- 38045 RYAN, K., and SHORT, R. V. Cholesterol formation by granulosa and thecal cells of the equine follicle. Endocrinology 78(1):214-216. Jan.1966. 448.8 En2
- 38046 SCHEBITZ, H. On hemiplegia laryngis (roaring) in horses-examination and operation result. (Ge) Deut. Tierarztl. Wochensh. 72(23):548-553. Dec.1,1965. 41.8 D482
English summary.
- 38047 SMYTHE, R. H. The mind of the horse. Brattleboro, Vt., S. Greene Press, 1965. 123 p. QL785.S58
Includes senses and the influence of domestication.
- 38048 TRUSSEL, W. E. Clinical response to intra-synovial injection of flumethasone in the horse. Vet. Med./Small Anim. Clin. 60(6):610-615. June 1965. 41.8 M69
Treatment of joint conditions and bursitis.
- 38049 VANDEPLASSCHE, M., and others. Twin pregnancy in mares. (Ge) Deut. Tierarztl. Wochensh. 72(23):541-548. Ref. Dec.1,1965. 41.8 D482
J. Spincemaille, J. Herman, and R. Bouters, joint authors.
English summary.
- 38050 WOJCIK, K., and EWY, Z. Studies on the serum glycoproteins level in mares in early pregnancy. Acad. Polon. des Sci. B, Ser. des Sci. Biol. 13(8):485-487. Ref. 1965. 512 W262
- Miscellaneous
- 38051 FRECHKOP, S. History and genetics of the horse. (Fr) Soc. Zool. France. Bull. 89(2/3):196-201. 1964. 410.9 P214B
- 38052 GRABOWSKI, J. Achievements in writings on hippology. (Pol) In Kon polski; hodowla, sport, eksport, p.46-47. 1965. 42 K833
A bibliography; includes stud books.
- 38053 KON POLSKI: hodowla, sport, eksport [The Polish horse: breeding, sport, export]. Warszawa, 1965. 48 p. 42 K833
Issued jointly by Polski Związek Jeździecki, Polski Związek Hodowców Koni, and Zjednoczenie Hodowli Zwierząt Zarodowych.
- 38054 WASSON, B. Horses and horsemen. Abilene, Tex., 1965. 122 p. SF301.W3
- LABORATORY ANIMALS, SMALL
- Breeds and Breeding
- 38055 BADER, R. S. Heritability of dental characters in the house mouse. Evolution 19(3):378-384. Ref. Sept.1965. 443.8 Ev62
- 38056 CHASE, E. B., and KIDWELL, J. F. Genetic differences in response to insulin in the mouse. J. Hered. 56(5):205-208. Sept./Oct.1965. 442.8 Am3
- 38057 FOSTER, M. Mammalian pigment genetics. Advances Genet. 13:311-339. Ref. 1965. 443 D39
Includes mice.
- 38058 HARRIS, J. M. Differences in responses between rat strains and colonies. Food Cosmet. Toxicol. 3(2):199-202. Aug.1965. 391.8 F73
Genetics.
- 38059 MCGRATH, E. P., and QUEVEDO, W. C. Genetic regulation of melanocyte function during hair growth in the mouse: cellular events leading to "pigment clumping" within developing hairs. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.727-745. Ref. 1965. QP88.5.L9
- 38060 ROBERTS, R. C. Some contributions of the laboratory mouse to animal breeding research. II. Anim. Breeding Abs. 33(4):515-526. Ref. Dec. 1965. 241 Im72Ra
Literature review.
- 38061 WALLACE, M. E. How homozygous are inbred lines and closed colony stocks? Food Cosmet. Toxicol. 3(2):165-175. Ref. Aug.1965. 391.8 F73
Laboratory animals.
- Feeds and Feeding
- 38062 BASHENINA, N. V. Feeding of small rodents under laboratory conditions. (Rus) Moscow. Univ. Vestnik. Ser. 6, 4:21-33. Ref. July/Aug. 1965. 442.9 M854
- 38063 BREUER, L. H., and others. Dietary requirements for asparagine and its metabolism in rats. J. Nutr. 88(1):143-150. Ref. Jan.1966. 389.8 J82
R. G. Warner, D. A. Benton, and J. K. Loosli, joint authors.
- 38064 MENACHERY, M. Studies on the utilization of penicillin mycelium waste in rat ration. Indian J. Exp. Biol. 3(3):174-176. July 1965. 442.8 In2
- Veterinary Medicine
- 38065 AHLUWALIA, S. S., ALBERTS, J. O., and HANSON, L. E. Effect of cortisone on Leptospira pomona infection in guinea pig. Indian Vet. J. 42(11):837-848. Ref. Nov.1965. 41.8 In2
- 38066 BADAWI, H. M., and ELGHAMRY, M. I. The influence of deficiency of vitamins B₁, folic acid, B₁₂ and whole B complex on food intake, growth, endocrine weights and blood picture in mature male rats. Zentralbl. Veterinarmed. Reihe A, 12(4):405-413. Ref. May 1965. 41.8 Z5
- 38067 BERDONGAROV, K. About two cases of dichotomy of the esophagus in albino mice. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:289-291. 1963, pub.1964. 49.9 AL6T
- 38068 BUTLER, W. H., and BARNES, J. M. Carcinoma of the glandular stomach in rats given diets containing aflatoxin. Nature [London] 209 (5018):90. Jan.1,1966. 472 N21
Toxicity of peanut meal containing aflatoxin.
- 38069 BUTLER, W. H. Liver injury and aflatoxin. Int. Symp. Mycotoxins Foodstuffs. Proc. 1964:175-186. Ref. 1965. 391.9 In8
Laboratory animals.
Includes discussion.
- 38070 CERVA, L., and JELEN, P. Leptospira icterohemorrhagiae and Leptospira sejro in white rats and mice. (Cz) Cesk. Epidemiol. Mikrobiol. Imunol. 14(3):186-192. Ref. 1965. 448.8 C332
- 38071 CLEMENT, J., LAVOUE, G., and CLEMENT, G. Structure of the intestinal mucosa and lymph glycerides of rats after absorption of fats containing elaidic acid. Amer. Oil Chem. Soc. J. 42(12):1035-1037. Dec.1965. 307.8 J82

- 38072 IVEY, M. H. Immediate hypersensitivity and serological responses in guinea pigs infected with *Toxocara canis* or *Trichinella spiralis*. *Amer. J. Trop. Med. & Hyg.* 14(6):1044-1051. Ref. Nov.1965. 448.8 Am326
- 38073 KRETSCHMAR, W. Immunity of guinea pigs infected with *Leishmania enriettii*. (Ge) *Z. Tropenmed. Parasitol.* 16(3):277-283. Ref. Oct.1965. 448.8 Z37
English summary.
- 38074 LABORATORY ANIMAL SCIENCE ASSOCIATION. Symposium: selected papers from the NATO Advanced Study Institute, Harrogate, England, September 1963: the experimental animal in research. *Food Cosmet. Toxicol.* 3(2):161-228. Aug.1965. 391.8 F73
- 38075 LAROCHE, M. J. Influence of environment on drug activity in laboratory animals. *Food Cosmet. Toxicol.* 3(2):177-191. Ref. Aug.1965. 391.8 F73
- 38076 LEVINE, N. D., and IVENS, V. The coccidian parasites (Protozoa, Sporozoa) of rodents. *Ill. Biol. Monogr.* 33,365 p. 1965. 442.9 IL6B
Includes coypus and guinea pigs.
- 38077 LUKACEVIC, J., KOLUMBIC, T., and KONCURAT, J. Some observations on pathogenic microorganisms. (Se) *Vet. Glas.* 19(10):789-792. 1965. 41.8 J93
English summary.
Bordetella bronchiseptica in guinea pigs, cause of bronchopneumonia.
- 38078 MORRIS, I. G. The transmission of anti-*Brucella abortus* agglutinins across the gut in young rats. *Roy. Soc. Proc. Ser. B, Biol. Sci.* 163(992):402-416. Ref. Nov.23,1965. 501 L84B
- 38079 MOULD, D. L., DAWSON, A. M., and SMITH, W. Scrapie in mice; the stability of the agent to various suspending media, pH and solvent extraction. *Res. Vet. Sci.* 6(2):151-154. Ref. Apr.1965. 41.8 R312
- 38080 PARANT, F. Technique of determining endotoxins in mice. (Fr) *Rev. Pathol. Comp.* 65 (771):511-514. Ref. Oct.1965. 448.8 R326
English summary.
- 38081 ROGERS, G. E., and CLARKE, R. M. An approach to the investigation of protein biosynthesis in hair follicles. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.329-343. Ref. 1965. QP88.5.L9
Guinea pigs.
- 38082 RUDERT, H. The origin of the cupula in the labyrinth of the guinea pig. (Ge) *Naturwissenschaften* 52(20):566. Oct.15,1965. 474 N213
- 38083 SAUER, F., and ERFLE, J. D. On the mechanism of acetoacetate synthesis by guinea pig liver fractions. *J. Biol. Chem.* 241(1):30-37. Ref. Jan.14,1966. 381 J824
- 38084 SAVAGE, R. D., and FIELD, E. J. Brain damage and emotional behaviour: the effects of scrapie on the emotional responses of mice. *Anim. Behav.* 13(4):443-446. Ref. Oct.1965. 410 B77
- 38085 SEN, H. G., JOSHI, U. N., and SETH, D. Effect of cortisone upon *Ancylostoma caninum* infection in albino mice. *Roy. Soc. Trop. Med. Hyg. Trans.* 59(6):684-689. Ref. Nov.1965. 448.9 R813
- 38086 SOBEY, W. R., and MAGRATH, J. M. Measuring the antibodies to bovine plasma albumin in mice. *Austral. J. Sci.* 28(4):168-169. Oct.1965. 475 Au72
- 38087 TALANTI, S. Effect of thyroxine, thiouracil and thyroidectomy on the neurosecretory ganglion cells of the rat. *Life Sci.* 4(22):2151-2156. Ref. Nov.1965. 442.8 L62
- 38088 UESAKA, S., KAWASHIMA, R., and KATOH, K. A contrivance of rat metabolism cage for mineral balance study and the results of a few preliminary experiments using it. (Ja) *Jap. J. Zootech. Sci.* 37(1):15-19. Ref. Jan.1966. 49 N62
English summary.
- 38089 ZEMAN, F. J., and WILBER, C. G. Some characteristics of the guinea pig electrocardiogram. *Life Sci.* 4(23):2269-2274. Ref. Dec. 1965. 442.8 L62
- Miscellaneous
- 38090 BRONSON, F. H., and ELEFThERIOU, B. E. Behavioral, pituitary, and adrenal correlates of controlled fighting (defeat) in mice. *Physiol. Zool.* 38(4):406-411. Ref. Oct.1965. 410 P56
- 38091 BRUCE, H. The influence of environment on behaviour, with special reference to reproduction in mice. *Food Cosmet. Toxicol.* 3(2):193-198. Ref. Aug.1965. 391.8 F73
- 38092 HEINE, W. Problems of large scale production. *Food Cosmet. Toxicol.* 3(2):223-228. Aug.1965. 391.8 F73
Mice and rats as laboratory animals.
- 38093 HILL, B. F. The economics of laboratory animal production. *Food Cosmet. Toxicol.* 3(2):217-221. Ref. Aug.1965. 391.8 F73
Equipment and costs.
- 38094 ILLMAN, O. A plea for more unusual laboratory animals. *Food Cosmet. Toxicol.* 3(2):203-208. Ref. Aug.1965. 391.8 F73
- POULTRY
- Breeds and Breeding
- 38095 AINSON, H. On the race differences in the composition of blood and lymph of three-month-old cocks. (Es) *Akad. Nauk Est. SSR, Izv. Ser. Biol.* 2:263-267. 1965. 442.9 Ak18
English summary.
White Leghorn, New Hampshire and Australorp.
- 38096 BABCOCK, M. C. How layers have been improved in the past 50 years. *Everybodys Poultry Mag.* 70(10):52-53. Oct.1965. 47.8 F21
Especially breeding.
- 38097 BAJPAI, P. K. Some physiological and immunological factors affecting the fertilizing capacity of turkey spermatozoa. *Diss. Abs.* 26(7):4035. Jan.1966. 241.8 M58
- 38098 BARFIELD, R. J. Induction of sexual and aggressive behavior by intracerebral implants of androgen in the capon. *Diss. Abs.* 26(7):4121-4122. Jan.1966. 241.8 M58
- 38099 FISHER, H., GRIMINGER, P., and WEISS, H. S. Body composition and atherosclerosis in cocks after long exposure to heat and cold. *J. Appl. Physiol.* 20(4):591-596. Ref. July 1965. 447.8 J825
Fatty acid composition.
- 38100 HALE, M. Breeding turkeys in cages. *Turkeys* 14(2):42-44. Feb.1966. 47.38 T847
- 38101 HORTON, I. F., and MCBRIDE, G. Genetic factors affecting sex dimorphism in body weight of meat chickens. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:79-81. 1964. 47.9 Au742
- 38102 KING, M. B. Disruptions in the pecking order of cockerels concomitant with degrees of accessibility to feed. *Anim. Behav.* 13(4):504-506. Oct.1965. 410 B77
Tested with White Leghorn.
- 38103 KNIZE, B., and RYDLOVA, F. Genetic aspects of the hatchability of poultry. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(6):415-420. Ref. June 1965. 49.9 C33
English summary.
- 38104 KURBATOV, A. D., and KORBAN, N. V. Treatment of poultry and eggs with hormonal substances and the sex of chicks. (Rus) *Agrobiologiya* 4:543-548. Aug.1965. 20 Ag822
Estrogens.

- 38105 LOHLE, K., and MULSOW, D. Contribution to the feathering status of American Pekin ducks. (Ge) Arch. Geflügelzucht Kleintierkunde 14(6): 359-368. Ref. 1965. 47.8 Ar22
English summary.
- 38106 MARBLE, D. R. Fifty years of progress in poultry breeding. Everybodys Poultry Mag. 70(10):34,36-37. Oct.1965. 47.8 F213P
- 38107 PORA, E. A., and PERSECA, T. Study of some aspects of fecundation of poultry by means of radioactive phosphorus. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):109-113. Ref. 1965. 442.9 C62
French summary.
- 38108 RIGDON, R. H., and MOTT, C. Testis in the sterile hybrid duck; a histologic and histochemical study. Pathol. Vet. 2(6):553-565. Ref. 1965. 41.8 P27
- 38109 SANNAN, F. Embryonic development without impregnation of White Beltsville turkey. (No) Fjorfe 82(8):174-176. Aug.1965. 47.8 T432
- 38110 SHARON, R. Immunologic reaction as a means for determining purity of chicken strains. Poultry Sci. 44(6):1612-1614. Nov.1965. 47.8 Am33P
- 38111 SHERIDAN, A. K. A sex-linked mutation causing low hatchability in the broiler chicken. Australasian Poultry Sci. Conv. Proc., 2d Conv.:87-90. 1964. 47.9 Au742
- 38112 SIEGEL, H. S., and GROSS, W. B. Social grouping, stress and resistance to coliform infection in cockerels. Poultry Sci. 44(6):1530-1536. Ref. Nov.1965. 47.8 Am33P
- 38113 SITTMANN, K., and ABPLANALP, H. White-feathered Japanese quail. J. Hered. 56(5):220-223. Sept./Oct.1965. 442.8 Am3
Genetics.
- 38114 SKALLER, F. Factors affecting the choice and operation of a commercial poultry breeding programme. Australasian Poultry Sci. Conv. Proc., 2d Conv.:12-16. 1964. 47.9 Au742
- 38115 SOLLER, M., SNAPIR, N., and SCHINDLER, H. Heritability of semen quantity, concentration and motility in White Rock roosters, and their genetic correlation with rate of gain. Poultry Sci. 44(6):1527-1529. Ref. Nov.1965. 47.8 Am33P
- 38116 SOMMERFELD, W. The effect of various hatching periods on growth, layer performance and fertility of the American Pekin duck. (Ge) Arch. Geflügelzucht Kleintierkunde 14(5):275-290. Ref. 1965. 47.8 Ar22
English summary.
- 38117 STASKO, J., and MARDIAK, J. Some notions of duck breeding. (Cz) Drubeznictvi 13(4):54-55. Apr.1965. 47.8 D843
- 38118 SVOZIL, E., and TLASKAL, J. Czechoslovak poultry breeding during twenty years and its perspectives. (Cz) Drubeznictvi 13(5):70-71. May 1965. 47.8 D843
- 38119 TINDELL, D. Southern Regional Poultry Genetics Laboratory. Ga. Poultryman 1965:29,31. 47.8 G292
- 38120 TORRES, E. A. The White Chinese goose as sitter and mother of her own eggs and goslings with special emphasis on the fluctuations of loss in the body weight during and after the natural incubation. Araneta J. Agr. 11(3):164-180. July/Sept.1964. 25 Ar1
- 38121 VANCIKOVA, R., and SPRONC, A. Comparison of the main productive characteristics of the broad-breasted turkeys of Bronze and White breeds. (Cz) Drubeznictvi 12,i.e.13(3):39-40. Mar.1965. 47.8 D843
- Feeds and Feeding
- 38122 BARTLETT, B. E. Levels of meatmeal in wheat-barley diets for layers, and methionine and lucerne meal supplementation. Australasian Poultry Sci. Conv. Proc., 2d Conv.:98-104. Ref. 1964. 47.9 Au742
Poultry feeding for egg production.
- 38123 BARTOV, I., BUDOWSKI, P., and BORNSTEIN, S. The relation between alpha-tocopherol content of the breeder diet and that of the newly hatched chick. Poultry Sci. 44(6):1489-1494. Ref. Nov.1965. 47.8 Am33P
- 38124 BENOVSKY, R., HOJDAR, A., and PISTA, Z. A guarantee of the growth. (Cz) Drubeznictvi 13(8):117-119. Aug.1965. 47.8 D843
Chiefly feed mixtures for chicks.
- 38125 BIERER, B. W., and ELEAZER, T. H. Effect of feed and water deprivation on yolk utilization in chicks. Poultry Sci. 44(6):1608-1609. Nov. 1965. 47.8 Am33P
- 38126 BLAKELY, R. M., MACGREGOR, H. I., and HANEL, D. Feed efficiency and metabolizable energy of a pelleted turkey finishing ration containing whole rapeseed. Can. J. Anim. Sci. 45(3):125-128. Dec.1965. 41.8 C163
- 38127 BONSEMBIANTE, M., and BINI, R. P. Italian poultry experiment leaflets. 64. Linear programming in the formulation of mixed feeds; contribution to the definition of specifications for the diet of meat poultry. (It) Avicoltura 34(12):217-228. Ref. Dec.1965. 47.8 R523
English summary.
- 38128 BRAMBILA, S., and HILL, F. W. Comparison of neutral fat and free fatty acids in high lipid-low carbohydrate diets for the growing chicken. J. Nutr. 88(1):84-92. Ref. Jan.1966. 389.8 J82
- 38129 BRAMBILA, S. Nutritional and physiological properties of high lipid-low carbohydrate diets for the growing chicken. Diss. Abs. 26(6):3451. Dec.1965. 241.8 M58
- 38130 BRUNOLI, A. Have faith in the barnyard fowl. (It) Avicoltura 34(2):93-96. Feb.1965. 47.8 R523
Feeding themselves.
- 38131 CAVE, N. A. G., and others. The nutritional value of wheat milling by-products for the growing chick. I-II. Cereal Chem. 42(6):523-538. Ref. Nov.1965. 59.8 C33
S. J. Slinger, J. D. Summers, and G. C. Ashton, joint authors.
- 38132 COUCH, J. R. Turkey nutrition—1966. Feed Age 15(12):26-29. Dec.1965. 389.78 F327
- 38133 DATTILO, M. Fats in the feeding of meat poultry. (It) Avicoltura 34(12):79-86. Dec. 1965. 47.8 R523
French summary, p.73.
- 38134 DEAN, W. F., and SCOTT, H. M. Use of free amino acid concentrations in blood plasma of chicks to detect deficiencies and excesses of dietary amino acids. J. Nutr. 88(1):75-83. Ref. Jan.1966. 389.8 J82
- 38135 DILWORTH, B. C., and DAY, E. J. Effect of varying dietary calcium: phosphorus ratios on tibia and femur composition of the chick. Poultry Sci. 44(6):1474-1479. Ref. Nov.1965. 47.8 Am33P
- 38136 ENGELHARD, J., and HASELER, F. Comparative broiler fattening experiment with various ready-made feed mixtures under practice conditions. (Ge) Arch. Tierzucht 8(4/6):283-292. 1965. 49 Ar23
English summary.
- 38137 FERREIRA, M. F., and CASTRO, L. V. DE. Corn germ meal in the feeding of broiler chicks. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(2):113-127. Ref. 1964. 41.8 P83
English summary.
- 38138 FERRON FALCON, L. Palatability of feed in poultry feeding. (Sp) Avicult. Tec. 16(5):221-226. Ref. May 1965. 47.8 Av57
- 38139 FONTAINE, G., and REYNTENS, N. Proteins and amino acids in the feeding of laying hens; supplemental methionine. (Fr) Rev. Agr. [Brussels] 18(11/12):1387-1400. Ref. Nov./Dec.1965. 13 R322

- 38140 FRAWLEY, J. P., KAY, J. H., and CALANDRA, J. C. The residue of butylated hydroxytoluene (BHT) and metabolites in tissue and eggs of chickens fed diets containing radioactive BHT. *Food Cosmet. Toxicol.* 3(3):471-474. Sept. 1965. 391.8 F73
- 38141 GARLICH, J. D., and NESHEIM, M. C. Relationship of fractions of soybeans and a crystalline soybean trypsin inhibitor to the effects of feeding unheated soybean meal to chicks. *J. Nutr.* 88(1):100-110. Ref. Jan. 1966. 389.8 J82
- 38142 GARTNER, R. J. W. Evaluation of meat and bone meals in rations for growing chickens. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:30-33. 1964. 47.9 Au742 In Australia.
- 38143 HARRIS, G. C. Erythromycin in turkey breeder diets. *Feed Age* 16(1):25-28. Jan. 1966. 389.78 F327
- 38144 HEYWANG, B. W. Effect of some antibiotics and furazolidone on performance of laying chickens during hot weather. *Poultry Sci.* 44(6):1523-1527. Nov. 1965. 47.8 Am33P Added to feed.
- 38145 HILL, C. H. Nutrition's role in poultry disease. *Farm Technol.* 21(9):6-7. Oct. 1965. 275.28 N213
- 38146 HUGHES, W. F. Under-nutrition—one cause of poor flock performance. *Poultry Trib.* 72(1):28,34. Jan. 1966. 47.8 P8642
- 38147 HURWITZ, S. Availability of phosphorus from defluorinated rock phosphate. *Reliovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 487,8 p. Jan. 1965. 107 R26 Tests with chicks.
- 38148 IRVING, E. A. Studies of the relationship of vitamin E, ascorbic acid and manganese in poultry nutrition. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:107-109. 1964. 47.9 Au742
- 38149 JENSEN, L. S., and others. Protein and lysine requirements of developing turkeys as influenced by pelleting. *Poultry Sci.* 44(6):1435-1441. Nov. 1965. 47.8 Am33P G. O. Ranit, R. K. Wagstaff, and J. McGinnis, joint authors.
- 38150 JENSEN, L. S. Vitamin A requirement of breeding turkeys. *Poultry Sci.* 44(6):1609-1610. Nov. 1965. 47.8 Am33P
- 38151 JONES, V. K., REID, B. L., and SEUTSCHMAN, A. J. A positive Halphen test with a non-cyclopropanoid compound. *Poultry Sci.* 44(6):1592-1593. Ref. Nov. 1965. 47.8 Am33P In relation to ethyl-2,3-decadienoate feeding effect on the fatty acid composition of the eggs.
- 38152 KOHLER, G. O., and others. "Availability" of alfalfa xanthophylls. *Feedstuffs* 38(7):16,67. Feb. 19, 1966. 286.81 F322 A. L. Livingston, D. D. Kuzmicky, R. E. Knowles, and J. W. Nelson, joint authors. In feeding poultry.
- 38153 LAKSEVELA, B., and AGA, A. T. Nutritive value and analytical characteristics of new and up-to-12 years old herringmeals. *J. Sci. Food Agr.* 16(12):743-749. Ref. Dec. 1965. 382 Sol2 Feeding tests with chicks.
- 38154 LEE, C. D., BELCHER, L. V., and MILLER, D. L. Field observation of folacin deficiency in poults. *Avian Dis.* 9(4):504-512. Ref. Nov. 1965. 41.8 Av5
- 38155 LIPSTEIN, B., BUDOWSKI, P., and BORNSTEIN, S. Effect of autooxidation on the nutritive value of acidulated soybean soapstock in chicks. *Poultry Sci.* 44(6):1480-1488. Ref. Nov. 1965. 47.8 Am33P
- 38156 LLORICO, B. F., and QUISENBERRY, J. H. Effect of hygromycin B. on the growing and laying performance of chickens. *Poultry Sci.* 44(6):1565-1571. Ref. Nov. 1965. 47.8 Am33P
- 38157 LOCKHART, W. C. Effects of B vitamin deficiencies on energy metabolism of the chick. *Diss. Abs.* 26(7):3564. Jan. 1966. 241.8 M58
- 38158 LOTENKOV, M. I. Effect of chlortetracycline on vitality and growth of ducklings. (Rus) *Khim. Sel'skom Khoz.* 4:61-65. Ref. Apr. 1965. 385 K524 Feeding.
- 38159 LOTENKOV, M. I., and PODLUZHNYA, L. I. Effects of oxytetracycline in feed on production and biological properties of duck eggs. (Rus) *Khim. Sel'skom Khoz.* 3(8):61-64. Ref. Aug. 1965. 385 K524
- 38160 MACGREGOR, H. I., and BLAKELY, R. M. Form of turkey growing rations as it affects growth rate and feed:gain ratio. *Can. J. Anim. Sci.* 45(3):129-132. Dec. 1965. 41.8 C163
- 38161 MATHUR, C. R., and KARNANI, B. T. Studies on the effect of feeding antibiotics and vitamin supplements on growth rate and mortality in chicks. *Indian Vet. J.* 42(12):962-965. Dec. 1965. 41.8 In2
- 38162 MCDONALD, M. W., and SOLYVYNS, A. Dietary calcium levels and chicken growth. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:112-116. 1964. 47.9 Au742
- 38163 MEDINA BLANCO, M., and APARICIO MACARRRO, J. B. The influence of the diet with 50% level of acorn meal on the live weight and yield of carcass of broilers. (Sp) *Arch. Zootec.* 14(54):172-196. Ref. Apr./June 1965. 49 Ar22 English summary.
- 38164 MORAN, E. T. Studies on the mode of action of antibiotics and beta-glucanase containing enzyme supplements in overcoming the growth depression of chicks and poults fed northwestern barley. *Diss. Abs.* 26(6):2951. Dec. 1965. 241.8 M58
- 38165 MULLER, H. D. Comparative studies on water-rearing and land-rearing fattening of ducks. I. (Ge) *Arch. Geflugelzucht Kleintierkunde* 14(6):329-352. Ref. 1965. 47.8 Ar22 English summary.
- 38166 NELSON, T. S., and others. The influence of calcium on phosphorus utilization by chicks. *Poultry Sci.* 44(6):1508-1513. Ref. Nov. 1965. 47.8 Am33P W. A. Hargus, N. Storer, and A. C. Walker, joint authors.
- 38167 NOBILE, S. Report on the carotenoid content of Australian layer feeds and new development in yolk pigments. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:62-66. Ref. 1964. 47.9 Au742
- 38168 ONTARIO AGRICULTURAL COLLEGE, DEPT. OF POULTRY SCIENCE. Poultry feed formulas. 1966, by J. D. Summers, W. F. Pepper, and J. R. Gavers. *Guelph*, 1966. 150 p. 47.9 On83
- 38169 POPPE, S., and RUTTLOFF, C. Linear optimizing of mixed feed. I. (Ge) *Arch. Geflugelzucht Kleintierkunde* 14(5):313-322. 1965. 47.8 Ar22 English summary. Effects of various feed formulas on poultry.
- 38170 PRAT, J. DE. The color of egg yolk. (Sp) *Cult. Mod.* 48(7):249. July 1965. 15 C89 Effects of poultry feeding.
- 38171 ROBINETTE, J. A. Formulating rations for broiler-type breeders. *Anim. Nutr. Health* 21(1):7,14-15. Jan. 1966. 389.78 W52
- 38172 ROUS, J. Dried feed yeasts in the feed rations of poultry as a substantial source of proteins. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(5):347-356. Ref. May 1965. 49.9 C33 English summary.
- 38173 ROUX R., G. I. DE., and DIAZ D., R. O. Use of dried poultry manure as poultry growth factor. (Sp) *Acta Agron. [Palmira]* 14(1/4):23-45. Ref. 1964, pub. 1965. 9.4 Ac8 English summary.
- 38174 SATHE, B. S., and MCCLYMONT, G. L. Nutritional value of meat meals in chicken diets. *Australasian Poultry Sci. Conv. Proc.* 2d Conv.:34-41. Ref. 1964. 47.9 Au742

- 38175 SAVAGE, J. E., and others. Comparison of copper deficiency and lathyrism in turkey poults. *J. Nutr.* 88(1):15-25. Jan.1966. 389.8 J82
D. W. Bird, G. Reynolds, and B. L. O'Dell, joint authors.
- 38176 SINGSEN, E. P., and others. The effect of a lysine deficiency on growth characteristics, age at sexual maturity, and reproductive performance of meat-type pullets. *Poultry Sci.* 44(6):1467-1473. Ref. Nov.1965. 47.8 Am33P
J. Nagel, S. G. Patrick, and L. D. Matterson, joint authors.
- 38177 SISSINS, M. E., and WILLIAMS, J. L. Restricted feeding of parent stock of commercial egg layers with high fibre rations. *Australasian Poultry Sci. Conv. Proc., 2d Conv.*:117-122. 1964. 47.9 Au742
- 38178 SMITH, R. E. Alteration of protein level in laying rations at various stages within the laying cycle and its effect upon performance of laying hens. *Can. J. Anim. Sci.* 45(3):211-215. Dec.1965. 41.8 C163
- 38179 SPRINGHALL, J. A. Locally available ingredients for poultry rations in New Guinea. *Australasian Poultry Sci. Conv. Proc., 2d Conv.*:123-126. 1964. 47.9 Au742
- 38180 SPRINGHALL, J. A., and ROSS, E. Preliminary studies with poultry rations for the territory of Papua and New Guinea. I-II. *Papua New Guinea Agr. J.* 17(3):117-126. Ref. Aug. 1965. 23 N453
I, Grower rations with copra, sago and *Leucaena leucocephala*; II, Layer rations with copra, sago and *Leucaena leucocephala*.
- 38181 STOTER, V., VUIC, T., and RAC, J. The value of some supplements in the feeding of poultry. (Se) *Stocarstvo* 19(3/4):130-132. Mar./Apr. 1965. 43.8 St6
- 38182 TOIVANEN, E. Care and feeding of chicks and hens in the light of certain results from research. (Sw) *Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan* 1964:37-43. 11 Sw34
- 38183 WAIBEL, P. E., and others. A chemically defined liquid diet for the chick. *J. Nutr.* 88(1):131-136. Ref. Jan.1966. 389.8 J82
B. S. Rao, K. E. Dunkelgod, F. J. Siccardi, and B. S. Pomeroy, joint authors.
- 38184 WALDROUP, P. W., AMMERMAN, C. B., and HARMS, R. H. Studies on the acidulation of soft phosphate. *Poultry Sci.* 44(6):1519-1523. Nov.1965. 47.8 Am33P
In chicks feeding.
- 38185 WAMBEKE, F. VAN, and REYNTENS, N. The effect of restricted feeding on the performance of meat type laying hens. (Fl) *Ghent, Landbouwhogeschool. Mededel.* 30(1):405-530. Ref. 1965. 105.1 G344
English summary.
- 38186 WAMBEKE, F. VAN. Feeding of meat type breeders: Treatise formulating laying rations and including a simplified feeding plan. (Fr) *Rev. Agr. [Brussels]* 18(11/12):1363-1376. Ref. Nov./Dec.1965. 13 R322
- 38187 WAMBEKE, F. VAN. A simplified feed scheme for broiler mother hens during the laying period. (Fl) *Land- Tuinbouw Jaarboek* 20:181-184. 1965. 13 L22
- 38188 WEGNER, R. M. New results in poultry fattening. (Ge) *Tierzuchter* 18(1):18,20-21. Jan.5,1966. 49 T445
Chiefly feeding measures.
- 38189 ZANUY ALOS, E. Water: a modern problem in poultry raising. (Sp) *Avicult. Tec.* 16(3):118, 121-122. Mar.1965. 47.8 Av57
- 38190 ZIVKOVIC, S., and others. The effect of addition of swine fats on the digestibility and metabolic energy of concentrates in the fattening of chicks. (Se) *Stocarstvo* 19(3/4):163-170. Ref. Mar./Apr.1965. 43.8 St6
C. Visnjic, O. Hadzije, and M. Andric, joint authors.
English summary.
- Veterinary Medicine
- 38191 ADAMS, E. V. Monolayer growth of chicken neuroglial cells in tissue culture. *Poultry Sci.* 44(6):1558-1561. Nov.1965. 47.8 Am33P
- 38192 AINSWORTH, L. Surgical procedure for exteriorization of the ureteral openings of the hen. *Poultry Sci.* 44(6):1561-1564. Nov.1965. 47.8 Am33P
- 38193 AKOPYAN, Z. M. Distribution of monomycin in organs and body fluids of poultry. (Rus) *Akad. Nauk Arm. SSR. Izv. Biol. Nauk.* 18(7):56-64. Ref. July 1965. 20 Er4
Therapeutic use.
- 38194 ANTONOVA, M. E. Ornithosis of birds and specific diagnosis. (Rus) *Vop. Vet. Virusol.* 1:445-452. 1964. 41.8 V89
- 38195 BAHARSEFAT, M., and ADLER, H. E. Hemagglutination and hemagglutination-inhibition with killed *Mycoplasma* antigen. *Avian Dis.* 9(4):566-570. Nov.1965. 41.8 Av5
Mycoplasma gallisepticum.
- 38196 BARRY, R. D. Factors which affect the release of Newcastle disease and Sendai viruses from infected allantoic cells. *J. Gen. Microbiol.* 39(2):229-238. Ref. May 1965. 448.3 J823
Tested in chick embryos.
- 38197 BELASCAK, J., and RENCZ, J. Deficiency of the vitamin E, encephalomalacia of poultry. (Cz) *Drubeznictvi* 13(8):123. Aug.1965. 47.8 D843
- 38198 BESCH, E. L., SMITH, A. H., and GOREN, S. Effect of accelerative forces on avian embryogenesis. *J. Appl. Physiol.* 20(6):1232-1240. Ref. Nov.1965. 447.8 J825
On chick embryos.
- 38199 BIERER, B. W., and ELEAZER, T. H. Clinical salmonellosis accidentally induced by feed and water deprivation of one-week-old broiler chicks. *Poultry Sci.* 44(6):1606-1607. Nov. 1965. 47.8 Am33P
- 38200 BLACKSHEAR, D. Student-industry broiler test. *Ga. Poultryman* 1965:37-39. 47.9 G292
In relation to the effect of environmental decontamination and isolation on the incidence of leukosis.
- 38201 BLUM, J. C. Use of radioactive riboflavin for study of the metabolism of vitamin B2 in the course of egg genesis in the laying hen. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):781-786. 1965. 105.1 G344
- 38202 BOND, J. O., and others. Transovarian transmission of hemagglutination-inhibition antibody to St. Louis encephalitis virus in chickens. *Amer. J. Trop. Med. & Hyg.* 14(6):1085-1089. Ref. Nov.1965. 448.8 Am326
F. Y. Lewis, W. L. Jennings, and I. E. MacLeod, joint authors.
- 38203 BRAUNE, M. O., and GENTRY, R. F. Standardization of the fluorescent antibody technique for the detection of avian respiratory viruses. *Avian Dis.* 9(4):535-545. Ref. Nov.1965. 41.8 Av5
- 38204 BRAY, J. H. The control of chronic respiratory disease on a State basis by integrating testing for chronic respiratory disease with pul-lorum testing. *Australasian Poultry Sci. Conv. Proc., 2d Conv.*:42-44. Ref. 1964. 47.9 Au742
- 38205 BUCK, C. A. A comparative study of the Schmidt-Ruppin and Bryan high titer strains of Rous sarcoma virus. *Diss. Abs.* 26(7):3592. Jan.1966. 241.8 M58
- 38206 BULOW, V. VON. Virus diseases of poultry. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(49):1875-1877. Dec.9,1965. 18 N39
- 38207 CALNEK, B. W. Studies on the RIF [resistance-inducing factor] test for the detection of an avian leukosis virus. *Avian Dis.* 9(4):545-559. Ref. Nov.1965. 41.8 Av5

- 38208 CASADEVALL VILANOVA, P., and NOGARE-DA GIFFRE, J. Results obtained with combined vaccine for Newcastle disease and infectious bronchitis of poultry. (Sp) *Avicult. Tec.* 16(1): 1-4. Jan.1965. 47.8 Av57
- 38209 CERNIK, K. Diphtheria and protective immunization. (Cz) *Drubeznictvi* 13(9):138-140. Sept.1965. 47.8 D843
Vaccines for poultry.
- 38210 CHISTOVA, Z. YA., and SYURIN, V. N. Concerning virus variants of infectious laryngotracheitis of hens. (Rus) *Vop. Vet. Virusol.* 1: 413-425. Ref. 1964. 41.8 V89
- 38211 CHUTE, H. L. A practical sanitation program for the poultryman. *Agway Coop.* 1(11):19. Aug.1965. 280.28 Ag9
Disease prevention.
- 38212 CLARA, M. Structure and development of the so-called adipose tissue in the bird. 104 p. Transl. 15750
Chiefly poultry.
Translation from *Zeitschrift fur mikro-anatomische Forschung* 19(1):32-113. 1929.
- 38213 COLE, J. R., and BOYD, F. M. Chemical analyses of the blood of chicks infected or endotoxicated with *Escherichia coli*. *Poultry Sci.* 44(6):1551-1555. Ref. Nov.1965. 47.8 Am33P
- 38214 COLE, J. R., and BOYD, F. M. Serum protein and amino acid levels of *Escherichia coli*-infected chicks on high and low levels of dietary protein. *Poultry Sci.* 44(6):1580-1582. Ref. Nov.1965. 47.8 Am33P
- 38215 COUNTER, F. T. Interferon production by Rous sarcoma virus. *Diss. Abs.* 26(7):3585. Jan.1966. 241.8 M58
- 38216 COVER, M. S. Progress in controlling poultry diseases. *Everybodys Poultry Mag.* 70(10):38-39. Oct.1965. 47.8 F213P
- 38217 CUMMING, R. B. Studies on avian nephrosis-bronchitis virus (uraemia). *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:45-47. Ref. 1964. 47.9 Au742
- 38218 DIAMANTSTEIN, T. Behaviour of carbonic anhydrase in the uterus of hens during moult. *Nature [London]* 209(5020):304. Jan.15,1966. 472 N21
- 38219 DILLON, J. F. The influence of sodium deficiency and excess on the weight of the adrenal glands of the chick, and the relationship between adrenal weight and body surface area, as a measure of stress effects. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:127-131. Ref. 1964. 47.9 Au742
- 38220 DOBERENZ, A. R., and others. Bromide and fluoride toxicities in the chick. *Poultry Sci.* 44(6):1500-1504. Nov.1965. 47.8 Am33P
A. A. Kurnick, B. J. Hulett, and B. L. Reid, joint authors.
Includes effects of dietary fat, calcium and sodium bromide on fluoride toxicity.
- 38221 DRAGANOVIC, B. Dynamics of mineralization of the skeleton of chick embryos with ^{32}P and ^{45}Ca as intermediaries. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):797-805. Ref. 1965. 105.1 G344
- 38222 DRYAGALIN, N. N. Peculiarities of joint cultivation of certain virus strains of the Newcastle disease of poultry. (Rus) *Vop. Vet. Virusol.* 1:387-394. 1964. 41.8 V89
- 38223 DUBOSE, R. T. A method for periodic harvests from individual avian embryos. *Avian Dis.* 9(4):598-603. Nov.1965. 41.8 Av5
Cannulation for detecting changes in virus concentration.
- 38224 DUNLOP, W. R., and others. The detection of acute avian leucosis as a contagious disease. *Poultry Sci.* 44(6):1537-1540. Nov.1965. 47.8 Am33P
S. D. Kottaridis, J. R. Gallagher, S. C. Smith, and R. G. Strout, joint authors.
- 38225 DZOLJIC, D. Salmonella in poultry feed and its significance. (Se) *Vet. Glas.* 19(10):785-788. 1965. 41.8 J93
English summary.
- 38226 EDGAR, S. A., and BOND, D. S. Turkey coccidia widely distributed in United States. *Highlights Agr. Res. [Ala. Sta.]* 12(4):13. Winter 1965. 100 AL1H
- 38227 EREMEEV, G., and ZHUKOV, G. Promising method of control of poultry pasteurellosis. (Rus) *Sel'skokhoz. Proizv. Urala* 8:53. Aug. 1965. 281.8 Se45
Immunization.
- 38228 FADDOUL, G. P., and FELLOWS, G. W. Clinical manifestations of eastern equine encephalomyelitis in pheasant. *Avian Dis.* 9(4):530-535. Ref. Nov.1965. 41.8 Av5
- 38229 FADIN, V., and KOZYULEV, G. Eradication of fowl cholera. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 11:29. Nov.1965. 281.8 Se44
- 38230 FLICK, D. F., O'DELL, R. G., and CHILDS, V. A. Studies of the chick edema disease. 3. Similarity of symptoms produced by feeding chlorinated biphenyl. *Poultry Sci.* 44(6):1460-1465. Ref. Nov.1965. 47.8 Am33P
- 38231 FONSECA RAMON, M. Histomoniasis in turkeys. (Sp) *Avicult. Tec.* 16(5):229-231. May 1965. 47.8 Av57
- 38232 FORGACS, J. Mycoses and mycotoxicoses in poultry. *Feedstuffs* 38(10):18,19-20,66-71. (Cont.) Mar.12,1966. 286.81 F322
- 38233 FRANK, F. R., and BURGER, R. E. The effect of carbon dioxide inhalation and sodium bicarbonate ingestion on egg shell deposition. *Poultry Sci.* 44(6):1604-1606. Nov.1965. 47.8 Am33P
- 38234 GAFFNEY, L. J. Studies on growth rate and estimates of the heritability of body weight in broiler stock. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:74-78. 1964. 47.9 Au742
- 38235 GALEGOV, G. A., and ZHDANOV, V. M. Inclusion of C^{14} uridine into the culture of cells infected with the virus of Newcastle disease. Inhibition of the synthesis of viral RNA. (Rus) *Akad. Nauk SSSR. Dok.* 165(3):690-691. 1965. 511 P444A
- 38236 GILBERT, A. B., and WOOD-GUSH, D. G. M. The control of the nesting behaviour of the domestic hen. III. The effect of cocaine in the post-ovulatory follicle. *Anim. Behav.* 13(2/3): 284-285. Apr./July 1965. 410 B77
- 38237 GILBERT, A. B. Triple silver impregnation for selective staining of avian nerves. *Stain Technol.* 40(5):301-304. Sept.1965. 442.8 St1
- 38238 GILCHRIST, P. T. Capillaria infestation of poultry. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:21-22. Ref. 1964. 47.9 Au742
- 38239 GILCHRIST, P. T. A new poultry wormer. *EMB (Egg Marketing Board) Bull.* 5(12):35. Dec.1965. 280.38 Eg3
Hygromycin B used against worms.
- 38240 GILCHRIST, P. T., and SINKOVIC, B. Studies on a vaccine to prevent infectious bronchitis. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:48-50. Ref. 1964. 47.9 Au742
- 38241 GORDON, R. S. Metabolism of other delta- and lambda-hydroxy acids. *N. Y. Acad. Sci. Ann.* 119(3):927-941. Ref. July 31,1965. 500 N484
Poultry metabolism.
- 38242 GREEN, D. F., and others. Coccidiosis of chickens. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:17-20. Ref. 1964. 47.9 Au742
F. V. Washko, E. McManus, and A. C. Cuckler, joint authors.

- 38243 GRILLO TORRADO, J. M., and others. Respuesta en anticuerpos inhibidores de la hemoaglutinación contra el virus Newcastle con vacunas inactivadas [An answer on hemagglutination inhibiting antibodies against Newcastle disease virus with inactivated vaccines]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 1(13):157-169. 1964. 41.8 R3227
T. E. Smitsaart, B. J. Polero de Muslera, and K. Kasari, joint authors.
English summary.
- 38244 GRINETS, I. G. Morphological and functional changes of blood and marrow cells of chick embryos infected with foot-and-mouth disease virus. (Rus) *Vop. Vet. Virusol.* 1:155-165. Ref. 1964. 41.8 V89
- 38245 HALPIN, F. B. A cytopathogenic virus from the brain of fowl. *Nature [London]* 209(5021):429. Jan.22,1966. 472 N21
- 38246 HAMILTON, H. L. Chemical regulation of development in the feather. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.313-328. Ref. 1965. QP88.5.L9
Poultry.
- 38247 HEDDLESTON, K. L., REBERS, P. A., and RITCHIE, A. E. Immunizing and toxic properties of particulate antigens from two immunogenic types of *Pasteurella multocida* of avian origin. *J. Immunol.* 96(1):124-133. Ref. Jan. 1966. 44.8 J8232
- 38248 HEIDER, G., FABIUNKE, E., and PRUSAS, E. Experiment on the prophylactic and therapeutic effect of synthetic mustard oil former against cecal coccidiosis of chicks. (Ge) *Arch. Geflügelzucht Kleintierkunde* 14(6):369-380. 1965. 47.8 Ar22
English summary.
- 38249 HEIDER, G., and PRUSAS, E. Studies on the use of synthetic mustard oil agent against experimental *Salmonella pullorum* infection of chicks. (Ge) *Arch. Geflügelzucht Kleintierkunde* 14(5):291-300. Ref. 1965. 47.8 Ar22
English summary.
D 4733.
- 38250 HOFFMANN, J. A. Malformation of fowl eggs. (Ge) *Deut. Tierarztl. Wochenschr.* 72(23):555-556. Dec.1,1965. 41.8 D482
English summary.
Caused by salpingitis.
- 38251 HOLLIDAY, T. A. Denervation-reinnervation hypertrophy of skeletal muscles of dystrophic and normal chickens. *Diss. Abs.* 26(6):2954. Dec.1965. 241.8 M58
- 38252 IVANOVA, G. A., and others. Concerning the problem of mutability of the classical fowl pest virus, I-II. (Rus) *Vop. Vet. Virusol.* 1:363-376. Ref. 1964. 41.8 V89
V. M. Kolosov, G. A. Safanov, N. A. Belova, and V. N. Syurin, joint authors.
- 38253 JAFFE, W. P. The bursa of Fabricius and homograft immunity. *Poultry Sci.* 44(6):1615-1616. Nov.1965. 47.8 Am33P
- 38254 JAIN, S. K., and others. On a new filarid worm *Gallifilaria mhowensis* n. g., n. sp. from the heart of the fowl (*Gallus domesticus* L.). *Indian Vet. J.* 42(12):895-898. Dec.1965. 41.8 In2
V. S. Alwar, R. P. Awadhiya, and C. N. Pandit, joint authors.
- 38255 JOHNSON, L. G. Studies on metabolic variations in embryonated chicken eggs at several developmental stages. *Diss. Abs.* 26(6):3453-3454. Dec.1965. 241.8 M58
- 38256 KAS'YANENKO, I. I. Leikozy ptits [Leucoses in poultry]. *Moskva, Izdatel'stvo Kolos*, 1964. 175 p. Ref. SF995.K3
- 38257 KLECKNER, A. L. Poultry disease programs in the School of Veterinary Medicine. *Ga. Poultryman* 1965:35. 47.8 G292
Of Georgia University.
- 38258 KLIMES, B. Prevention and therapy of aspergillosis of poultry. (Se) *Vet. Glas.* 19(10):765-767. 1965. 41.8 J93
- 38259 KOLOSOV, V. M., and SYURIN, V. N. Experimental selection of variants of Newcastle disease virus from the vaccinal strain of GNKI [State Scientific Control Institute for Veterinary Preparation]. (Rus) *Vop. Vet. Virusol.* 1:377-386. 1964. 41.8 V89
- 38260 KOSHKINA, V. I., and YAROSLAVSKAYA, A. G. Searching for more effective methods of chemical and biological prophylaxis of poultry coccidiosis. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:147-152. Ref. 1963, pub.1964. 49.9 AL6T
- 38261 KRISTIANSEN, F. Control of infection and chick raising. (No) *Fjorfe* 82(8):161-165. (Cont.) Aug.1965. 47.8 T432
- 38262 KUKHANOVA, M. K., and KAVERIN, N. V. Mechanism suppressing protein synthesis in cells, infected by the virus of Newcastle disease. (Rus) *Akad. Nauk SSSR. Dok.* 164(6):1417-1420. 1965. 511 P444A
- 38263 LAFARGA, M. What you should do in case of diseases in the raising of turkeys. (Sp) *Avicult. Tec.* 16(6):298-299. June 1965. 47.8 Av57
- 38264 LANDAUER, W. Chondrodystrophy of the fowl; observations on penetrance and expressivity of Lamoreux's chondrodystrophy. *J. Hered.* 56(5):209-214. Sept./Oct.1965. 442.8 Am3
- 38265 LANG, G., and others. Isolation of an unidentified hemagglutinating virus from the respiratory tract of turkeys. *Avian Dis.* 9(4):495-504. Nov.1965. 41.8 Av5
A. E. Ferguson, M. C. Connell, C. G. Wills, joint authors.
- 38266 LAROSE, R. N., and SEVOIAN, M. Avian lymphomatosis. IX. Mortality and serological response of chickens of various ages to graded doses of T strain. *Avian Dis.* 9(4):604-610. Nov.1965. 41.8 Av5
- 38267 LEVEILLE, G. A., and FAIRCHILD, D. G. Lack of effect of dietary chenodeoxycholic acid on plasma and liver lipids and the ductular cell reaction in the chick. *Poultry Sci.* 44(6):1611-1612. Nov.1965. 47.8 Am33P
In reference to biliary proliferation.
- 38268 LEZHAVA, G. A., and URUSHADZE, A. YA. Investigation of biological properties of the infectious laryngotracheitis virus of poultry. (Rus) *Vop. Vet. Virusol.* 1:401-412. 1964. 41.8 V89
- 38269 LI, W. W., and LI, A. C. Technique for recording motility of intestine engaged in normal digestive function in poultry. (Rus) *Fiziol. Zh. SSSR. I. M. Sechenova* 51(11):1374-1376. Nov.1965. 444.8 F58
- 38270 LUTZ, H., BEAUDENON, M. T., and MESURE, M. Potentialities of the blastoderm of the duck egg incubated for 9 hours. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(3):646-648. 1965. 442.9 P21
- 38271 MACPHERSON, C. R., and DEAMER, J. C. The hemolytic anemia of the graft-versus-host reaction in the chick, before and after hatching. *Poultry Sci.* 44(6):1594-1599. Nov.1965. 47.8 Am33P
- 38272 MATHEY, W. J. Avian tracheal rings. *Poultry Sci.* 44(6):1465-1467. Nov.1965. 47.8 Am33P
- 38273 MATVIENKO, B. A., and ISENGEL'DIN, N. A. Production of attenuated strains of paratyphoid bacteria under the effect of certain antibiotics and chemicals. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:92-100. 1963, pub.1964. 49.9 AL6T
Testing the attenuated strains of *Salmonella pullorum* on poultry.
- 38274 MCGILL, D. A. The viewpoint of a state veterinarian. *Amer. Vet. Med. Ass. J.* 147(12):1644-1645. Dec.15,1965. 41.8 Am3
Veterinarian's role in poultry practice.
- 38275 MCGINNIS, C. H., and RINGER, R. K. Carotid and vertebral artery ligation in the chicken. *Poultry Sci.* 44(6):1600-1603. Ref. Nov.1965. 47.8 Am33P
- 38276 MESZAROS, J. The role of poultry tuberculosis in control of cattle tuberculosis. (Hu) *Magyar Mezogazdasag* 21(1):20. Jan.5,1966. 19 M27
Simultaneous tuberculin test.

- 38277 MIKLOVICH, MRS. K. CS. M. Goose influenza epidemic in Hungary. (Hu) Magyar Allatorv. Lapja 20(4):148-151. Apr.1965. 41.8 V644
English summary.
Exsudative septicemia.
- 38278 MOHAN, R. N., and BHAMBANI, B. D. Studies on fowl spirochaetosis. I. Preparation of a vaccine. Indian Vet. J. 42(12):911-915. Ref. Dec.1965. 41.8 In2
- 38279 MONTEVERDE, J. J., SIMEONE, D. H., and CHIALVO, E. J. Comparison of two strains of Newcastle disease virus isolated in Argentina. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):21-28. 1963, pub.1965. 9 B863
English summary.
- 38290 MUKERJI, A., and others. Duck plague in West Bengal. III. Indian Vet. J. 42(11):811-815. Nov.1965. 41.8 In2
M. S. Das, B. B. Ghosh, and J. L. Ganguly, joint authors.
- 38281 NABER, E. C., SCOTT, K., and JOHNSON, R. M. Effect of calcium on the incorporation of proline into hydroxyproline of collagen fractions from normal and lathyrptic chick embryos. Poultry Sci. 44(6):1540-1545. Ref. Nov.1965. 47.8 Am33P
- 38282 NABER, E. C., and LARGENT, E. J. Thalidomide teratogenesis in the developing chick embryo and its relationship to vitamin metabolism. Poultry Sci. 44(6):1583-1591. Ref. Nov. 1965. 47.8 Am33P
- 38283 NESTOR, K. E., and JAAP, R. G. Selection for chick comb weight and androgen and gonadotrophin stimulation. Poultry Sci. 44(6):1441-1451. Ref. Nov. 1965. 47.8 Am33P
- 38284 NORTHEASTERN CONFERENCE ON AVIAN DISEASES. Report of the pullorum disease testing results, presented at the 37th meeting, June 1965. Avian Dis. 9(4):617-618. Nov.1965. 41.8 Av5
- 38285 NORTHEASTERN CONFERENCE ON AVIAN DISEASES. COMMITTEE ON NOMENCLATURE AND REPORTING OF DISEASE. Report, June 1965. Avian Dis. 9(4):611-616. Nov.1965. 41.8 Av5
- 38286 O'DELL, B. L., and others. Composition of aortic tissue from copper-deficient chicks. J. Nutr. 88(1):9-14. Ref. Jan.1966. 389.8 J82
D. W. Bird, D. L. Ruggles, and J. E. Savage, joint authors.
- 38287 OMMEREN, M. W. L. VAN. Some observations on CRD in chickens. (Du) Surinaamse Landbouw 13(4):65-67. 1965. 9.6 Su7
English summary.
Chronic respiratory disease in Surinam.
- 38288 OROZCO PINAN, L. R. Vaccination against Newcastle disease. (Sp) Avicult. Tec. 16(3):123-124, 129-132. Ref. Mar.1965. 47.8 Av57
In Spain.
- 38289 PALLEJA FIGUEROLA, J. M. How to combat fowl cholera. (Sp) Avicult. Tec. 16(2):56-58. Feb.1965. 47.8 Av57
- 38290 PAYNE, F. Some observations on the anterior pituitary of the domestic fowl with the aid of the electron microscope. J. Morphol. 117(2):185-199. Ref. Sept.1965. 444.8 J826
- 38291 PAYNE, L. N., and BIGGS, P. M. Effect of lymphoid leukosis virus on the response of the [chick embryo] chorioallantoic membrane to Rous sarcoma virus. Virology 27(4):621-623. Dec.1965. 448.8 V81
- 38292 PETZOLDT, K. Electron-microscopic-morphological studies of vibriones isolated from chicken. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 197(4):507-514. Ref. Oct.1965. 448.3 C33
English summary.
- 38293 PIRAINO, F. F. The occurrence of psittacosis virus complement-fixing (cf), noncomplement-fixing (ncf) and neutralizing (n) antibodies in domestic pigeons. J. Immunol. 95(6):1107-1110. Dec.1965. 448.8 J8232
- 38294 PITKANEN, A. I. E. Purification of Rous sarcoma virus and characterization of its nucleic acid. Diss. Abs. 26(7):3598-3599. Jan.1966. 241.8 M58
- 38295 POLYAKOV, A. Prevention of ascariasis in poultry. (Rus) Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka 12:28-29. Dec.1965. 281.8 Se44
- 38296 POMEROY, B. Medication programs have a place in turkey production. Gobblers 20(5):7, 30. Sept.1965. 47.8 M66
- 38297 POPESCU, B., POPESCU, E., and MOVANU, M. Infectious bronchitis, a new virulent disease of poultry. (Rum) Rev. Gosp. Agr. Stat 17(8):18-21. Aug.1965. 21 R32
- 38298 QUACKENBUSH, F. W., and others. Deposition of individual carotenoids in avian skin. Ass. Offic. Agr. Chem. J. 48(6):1241-1244. Ref. Dec.1965. 381 As7
S. Kvakovszky, T. Hoover, and J. C. Rogler, joint authors.
- 38299 RAGGI, L. G., and LEE, G. G. Infectious laryngotracheitis outbreaks following vaccination. Avian Dis. 9(4):559-565. Nov.1965. 41.8 Av5
- 38300 RAWLES, M. E. Tissue interactions in the morphogenesis of the feather. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.105-128. Ref. 1965. QP88.5.L9 Poultry.
- 38301 ROSCA, D. I., and others. Variations of certain physiological indices in poultry under the effect of electric shock. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):115-122. Ref. 1965. 442.9 C62
N. Fabian, D. Rusdea-Suteu, M. Ghircioasiu, and I. Madar, joint authors.
French summary.
- 38302 RUSOV, C. Research on iron kinetics of normal poultry with Fe-59. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):787-795. 1965. 105.1 G344
In blood plasma.
- 38303 SAFANOV, G. A., IVANOVA, G. A., and SYURIN, V. N. Comparative enzymatic properties of viruses of the classical fowl pest and Newcastle disease. (Rus) Vop. Vet. Virusol. 1:340-349. Ref. 1964. 41.8 V89
- 38304 SAFANOV, G. A., IVANOVA, G. A., and SYURIN, V. N. Comparative examination of hemolytic activity of viruses of classical fowl pest and Newcastle disease. (Rus) Vop. Vet. Virusol. 1:359-362. Ref. 1964. 41.8 V89
- 38305 SAFANOV, G. A., and others. Comparative toxic properties of viruses of classical fowl pest and Newcastle disease. (Rus) Vop. Vet. Virusol. 1:350-358. Ref. 1964. 41.8 V89
G. A. Ivanova, V. N. Syurin, and N. A. Belova, joint authors.
- 38306 SATO, K., and GLICK, B. Anaphylactoid response induced by a single injection of the bursa of Fabricius. Poultry Sci. 44(6):1572-1580. Ref. Nov.1965. 47.8 Am33P
- 38307 SATO, S., and SHIFRINE, M. Application of the agar gel precipitation test to serological studies of chickens inoculated with Haemophilus gallinarum. Avian Dis. 9(4):591-598. Nov.1965. 41.8 Av5
- 38308 SAVOV, D. Studies on the colisepticemia of the chicks. (Se) Vet. Glas. 19(11):833-839. 1965. 41.8 J93
- 38309 SCHMITTLE, S. C. Leukosis—new or changed disease? Poultry Trib. 72(1):32, 34. Jan.1966. 47.8 P8642
- 38310 SCHMITTLE, S. C. Poultry Disease Research Center. Ga. Poultryman 1965:27-28, 31. 47.8 G292
A unit of the University of Georgia Agricultural Experiment Stations.
- 38311 SCHOLES, N. W. Effects of parenterally administered gamma-aminobutyric acid on the general behavior of the young chick. Life Sci. 4(20):1945-1949. Oct.1965. 442.8 L62

- 38312 SHELTON, J. J. Preventing blue comb in pullets. *Anim. Nutr. Health* 21(2):5-6. Feb.1966. 389.78 W52
- 38313 SIMKOVA, A., and SIMEK, L. The effect of temperature on the results of chick raising. 4. Viability. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):41-46. Ref. Jan. 1965. 49.9 C33
English summary.
- 38314 SINKOVIC, B. Testing the efficacy of several therapeutic agents for the control of "uraemia." *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:51-54. 1964. 47.9 Au742
- 38315 SIVADAS, C. G., and others. A disease of poultry resembling Bangkok haemorrhagic disease of chickens. *Indian Vet. J.* 42(11):816-823. Ref. Nov.1965. 41.8 In2
M. K. Nair, A. Rajan, and K. M. Ramachandran, joint authors.
- 38316 SKALINSKII, E. I. Submicroscopic changes in the chorio-allantoic membrane infected with pigeon pox virus. (Rus) *Vop. Vet. Virusol.* 1: 431-444. Ref. 1964. 41.8 V89
- 38317 SKALINSKII, E. I. Submicroscopic changes of chorio-allantoic membrane of chick embryos in the formation of an artificial air sac. (Rus) *Vop. Vet. Virusol.* 1:40-54. 1964. 41.8 V89
- 38318 SKULMOWSKA-KRYSZKOWSKA, D., and LARSKI, Z. Changes in transaminase activity (GOT and GPT) in the allantoic fluid of chick embryos infected with Newcastle virus. *Exp. Med. Microbiol.* 16(1/2):58-63. 1964. (OTS 64-11411/1-2) 448.8 Ex7Ae
Translation from *Medycyna Doswiadczelna i Mikrobiologia*
- 38319 SRINIVASAN, V. V., and RAO, S. B. V. A study on the normal haematology of ducks. *Indian Vet. J.* 42(12):918-924. Ref. Dec.1965. 41.8 In2
- 38320 STRATUM, P. G. C. VAN, and VOS, H. J. The transfer of dietary butylated hydroxytoluene (BHT) into the body and egg fat of laying hens. *Food Cosmet. Toxicol.* 3(3):475-477. Sept.1965. 391.8 F73
- 38321 STUDY GROUP CONFERENCE ON MYCOPLASMA GALLISEPTICUM INFECTION IN CHICKENS AND TURKEYS, 2, WASHINGTON, D. C., 1965. Report. U. S. Agr. Res. Serv. ARS 91-55,16 p. Nov.1965. A41.9 R315Ar
Coordinated by Animal Disease Eradication Division of the Agricultural Research Service.
- 38322 SUH, I. S., and SHAFFER, M. F. Intracerebral *Salmonella typhosa* infection in chicks: passive protection by chicken antisera of differing specificities. *J. Immunol.* 95(3):567-573. Ref. Sept.1965. 448.8 J8232
- 38323 SULIMOV, A. A., and SYURIN, V. N. Labeling the Newcastle disease virus with P³² and cysteine S³⁵ in chick embryos. (Rus) *Vop. Vet. Virusol.* 1:558-564. Ref. 1964. 41.8 V89
- 38324 SUMMARY of the principal poultry diseases diagnosed in the North Central Poultry Disease Conference area for the year 1964. *Avian Dis.* 9(4):619-623. Nov.1965. 41.8 Av5
- 38325 SYURIN, V. N., SESTOCHENKO, M. A., and CHISTOVA, Z. YA. Detecting virus of infectious laryngotracheitis in hens with the aid of fluorescent antibodies. (Rus) *Vop. Vet. Virusol.* 1:426-430. 1964. 41.8 V89
- 38326 SYURIN, V. N., and others. Methods of experimental selection of avirulent variants of viruses of Newcastle disease and of classical fowl pest. (Rus) *Vop. Vet. Virusol.* 1:327-339. Ref. 1964. 41.8 V89
V. M. Kolosov, G. A. Ivanova, and G. A. Safanov, joint authors.
- 38327 TESOIRO VALLEJO, M. Diseases of poultry in relation to housing and management. (Sp) *Avicult. Tec.* 16(3):147-150. Mar.1965. 47.8 Av57
- 38328 TRAGER, G. W. Quantitative studies on cell transformation following infection with Rous sarcoma virus. *Diss. Abs.* 26(7):3589. Jan. 1966. 241.8 M58
Chick embryo cells.
- 38329 TRIPATHY, S. B., MATHEY, W. J., and KENZY, S. G. Study of aortic changes associated with candidiasis of turkeys. *Avian Dis.* 9(4): 520-530. Ref. Nov.1965. 41.8 Av5
Caused by *Candida albicans*.
- 38330 TROTT, D. G., and PILSWORTH, R. Outbreaks of conjunctivitis due to the Newcastle disease virus among workers in chicken-broiler factories. *Brit. Med. J.* 2(5477):1514-1517. Dec.25,1965. 448.8 B77
- 38331 TYLECEK, J., and others. Study of the effects of some nutrients on the utilization of nitrogen and energy in poultry. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(12):921-932. Ref. Dec.1965. 49.9 C33
S. Hanacek, A. Kopriva, and J. Zelenka, joint authors.
English summary.
Chiefly effects of fats and sucrose.
- 38332 TZIANABOS, T., and SNOEYENBOS, G. H. Clinical, immunological, and serological observations on turkey virus hepatitis. *Avian Dis.* 9(4):578-591. Ref. Nov.1965. 41.8 Av5
- 38333 URUSHADZE, A. YA. Dry tissue vaccine virus for infectious laryngotracheitis of hens. 6 p. Transl. 14535
Translation from *Veterinariya* 8:21-24. Aug. 1964.
- 38334 VALVERDE MARTINEZ, J. Poisoning of chickens by using raw soybean meal in the ration. (Sp) *Avicult. Tec.* 16(9):399-400. Sept.1965. 47.8 Av57
- 38335 VIRARAGHAVAN, K., and NAIR, K. P. C. Studies on avian leucosis complex (autopsy incidence). *Indian Vet. J.* 42(12):901-908. Ref. Dec.1965. 41.8 In2
- 38336 VOGT, P. K. Avian tumor viruses. *Advn. Virus Res.* 11:293-385. Ref. 1965. 448.8 Ad9
- 38337 VOROB'EV, M. M., and PANCHENKO, I. K. Treatment of geese for *Cyathostoma bronchialis* infestation. (Rus) *Veterinariya* 11:56-58. Nov.1964. 41.8 V6426
Gapeworms.
- 38338 WALLBANK, A. M., and STUBBS, E. L. Studies of avian sarcoma and erythroblastosis (strain 13). IV. pH stability of the virus at 2°C. *Avian Dis.* 9(4):513-520. Ref. Nov.1965. 41.8 Av5
- 38339 WEISS, H. S., WRIGHT, R. A., and HIATT, E. P. Reaction of the chick to one atmosphere of oxygen. *J. Appl. Physiol.* 20(6):1227-1231. Ref. Nov.1965. 447.8 J825
On the respiratory system.
- 38340 WHITTOW, G. C., STURKIE, P. D., and STEIN, G. Cardiovascular changes in restrained chickens. *Poultry Sci.* 44(6):1452-1459. Ref. Nov.1965. 47.8 Am33P
- 38341 WOSTMANN, B. S., OLSON, G. B. The effect of the successive administration of two antigens to germfree and conventional chickens. *Ind. Acad. Sci. Proc.* 74:120-124. 1964, pub.1965. 500 In2
- 38342 YASUKAWA, M., and NAGANO, K. Studies on the cecal digestion in poultry. I. On the chemical compositions of the intestinal contents. (Ja) *Kagoshima Univ. Fac. Agr. Bull.* 15:67-73. Ref. Dec.1964. 107.6 K114B
English summary.
- 38343 ZASTERA, M., and others. Isolation of *Toxoplasma gondii* from the domestic fowl (*Gallus gallus dom.*). (Cz) *Cesk. Epidemiol. Mikrobiol. Imunol.* 14(3):168-169. Ref. 1965. 448.8 C332
J. Hubner, J. Pokorny, and Z. Valenta, joint authors.

- 38344 ZELLER, F. J. The follicle stimulating hormone content of chicken anterior pituitary glands. *Ind. Acad. Sci. Proc.* 74:351. 1964, pub.1965. 500 In2
- 38345 ZUCCHI, G. Capillariosis in chickens. (It) *Avicoltura* 34(2):85-88. Feb.1965. 47.8 R523
Interview with S. Mondini.
- Miscellaneous
- 38346 ADALBERTH, V. Culling of poor layers. (No) *Fjorfe* 82(8):155-158. Aug.1965. 47.8 T432
- 38347 ALLCROFT, W. M., and others. Table chickens. Ed. 2. Great Brit. Min. Agr. Fish. Food. Bull. 168,48 p. 1965. 10 G794B
A. E. Beer, A. A. Eastwood, C. M. Groom, C. M. Hann, and I. Hughes, joint authors.
- 38348 ANDREWS, L. D., and LANKFORD, L. T. Arkansas meat performance, egg phase, and reproduction test No. 9. *Ark. Agr. Exp. Sta. Rep. Ser.* 146,8 p.-folder. Dec.1965. 100 Ar42R
Arkansas Poultry Improvement Association, cooperating.
- 38349 ASAJ, A. Sanitary conditions of poultry in FR Croatia. (Se) *Stocarstvo* 19(3/4):97-108. Ref. Mar./Apr.1965. 43.8 St6
English summary.
Chiefly housing.
- 38350 AUSTRALASIAN POULTRY SCIENCE CONVENTION. 2, SURFERS PARADISE, 1964. Proceedings. Sydney, 1964. 131 p. 47.9 Au742
Selected papers.
- 38351 BADULESCU, P. Basic principles of the raising of poultry for commercial purposes. (Rum) *Rev. Gosp. Agr. Stat* 17(5):18-20. May 1965. 21 R32
- 38352 BERG, R. W. This fall—destroy rats. *Gobbles* 20(5):9,29. Sept.1965. 47.8 M66
Control of rats on turkey farms.
- 38353 BRITISH OIL AND CAKE MILLS. Japanese quail (*Coturnix coturnix japonica*). Kent, 1965. 9 p. SF510.Q2B7
- 38354 COOPERATIVA UNION CATALANA DE AVICULTORES Y CUNICULTORES. Proceedings of the general meeting, 1964, of the Catalan Cooperative Union of Poultry and Rabbit Raisers. (Sp) *Avicult. Tec.* 16(2):82-84,87. Feb. 1965. 47.8 Av57
- 38355 DOBBINS, C. What to look for in started pullets. *Poultry Trib.* 72(2):25,75. Feb.1966. 47.8 P8642
- 38356 DUTTLINGER, E. Farmer poultry raising. (Ge) *Grune* 94(3):82-85. Jan.21,1966. 17 Sch9
Switzerland.
- 38357 FELGENHAUER, F. The effects of rhythmical sound stimuli on the visual learning, memory and behavior of poultry. (Ge) *Zool. Beitr.* 10 (3):315-351. Ref. 1964. 410 Z753
- 38358 FONSECA, M. Comments on some aspects of raising turkeys. (Sp) *Avicult. Tec.* 16(9):401-402. Sept.1965. 47.8 Av57
- 38359 GAVOROVA, E. Analysis of eggs, further aid to the breeding of poultry. (Cz) *Drubeznictvi* 13(9):137-138. Sept.1965. 47.8 D843
- 38360 GONDA, I. Economical rearing of layer and broiler hybrids. (Hu) *Magyar Mezogazdasag* 21(2):17. Jan.12,1966. 19 M27
- 38361 GOTTLIEB, G. Imprinting in relation to parental and species identification by avian neonates. *J. Compar. Physiol. Psychol.* 59(3):345-356. Ref. June 1965. 410 J822
In ducklings and chicks.
- 38362 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Rearing chickens for egg production. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 396,rev.,7 p. Sept.1965. 10 G79La
- 38363 GUIBERT, L. Localisation, structures and specialization in poultry raising. (Fr) *Indus. Aliment. Anim.* 165:39,41,43,45,47,49,51,53,55, 57. Nov.1965. 389,78 In2
- 38364 GUNTHER, W. C. Further observations on effect of nonoptimally high incubation temperature on frequency of pecking and color preference in the chick. *Ind. Acad. Sci. Proc.* 74:362-366. Ref. 1964, pub.1965. 500 In2
- 38365 HAMPL, J. Photoperiodism in rearing poultry and raising egg laying hens. (Cz) *Drubeznictvi* 13(6):87-90. June 1965. 47.8 D843
- 38366 HARTMAN, R. C. A hobby which has enriched the poultry library. (It) *Avicoltura* 34(12):105-107. Dec.1965. 47.8 R523
French summary, p.73.
Mrs. P. T. Hering's presentation of valuable works to the poultry library of the University of Kansas.
- 38367 HAYNISCH, H. Intensive and outdoor run rearing of layers as well as varied management and their effect on the egg quality of untreated and oiled eggs during storage. (Ge) *Arch. Gefluegelzucht Kleintierkunde* 14(5):301-311. Ref. 1965. 47.8 Ar22
English summary.
- 38368 HUTTAR, J. J. If they live and lay they pay. *Agway Coop.* 1(11):6-7. Aug.1965. 280.28 Ag9
- 38369 INDIANA STATE POULTRY ASSOCIATION. Indiana poultry blue book and buyers guide. 1966. Lafayette, 1965. 68 p. 47.9 In2
- 38370 KEPPENS, L. Results of a national laying contest. (Fr) *Rev. Agr. [Brussels]* 18(11/12):1353-1362. Nov./Dec.1965. 13 R322
- 38371 LAFARGA, M. Cannibalism in turkeys. (Sp) *Avicult. Tec.* 16(1):9-10,13. Jan.1965. 47.8 Av57
- 38372 LAX, J. The effect of mating type, age of hen, pre-incubation warming of eggs, and age of egg on hatchability. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:91-94. Ref. 1964. 47.9 Au742
- 38373 LAZARESCU, N. T. Organization of hatcheries on state farms. (Rum) *Mec. Elec. Agr.* 7:18-23. July 1965. 58.8 M4623
- 38374 LISSOT, G. Pigeons domestiques et voyageurs [Domestic and homing pigeons]. Paris, Flammarion, 1965. 226 p. (La Terre) SF465.L5
- 38375 MASSEY, H. Extension Poultry Department. *Ga. Poultryman* 1965:25-26. 47.8 G292
Of the Cooperative Extension Service, College of Agriculture, University of Georgia.
- 38376 MCBRIDE, G. Behaviour and the rational husbandry of poultry. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:23-26. 1964. 47.9 Au742
- 38377 MCCARTNEY, M. G. The Department of Poultry Science. *Ga. Poultryman* 1965:20,22-23. 47.8 G292
Of University of Georgia.
- 38378 MCDONALD, M. W., and DILLON, J. F. Progress of individual breeders in random sample tests. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:82-86. 1964. 47.9 Au742
In Australia.
- 38379 MCDONALD, M. W., STEVENS, P. N., and STEWART, W. D. Value of floor eggs for breeding and consumption. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:95-97. 1964. 47.9 Au742
- 38380 MCNIECE, D. Cages versus floor hens. *Poultry Trib.* 72(1):8,62. Jan.1966. 47.8 P8642
- 38381 MERCADANTE, G. D. S. Control rats in poultry raising. (Por) *Gaz. Agr. Angola* 10(9):485-486. Sept.1965. 24 G252
- 38382 MILNE, F. N. J. Present and future needs for technical education in the poultry industry. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:3-4. 1964. 47.9 Au742
In Australia.
- 38383 MORRIS, J. A. The usefulness of early records as selection criteria. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:7-11. 1964. 47.9 Au742
- 38384 OHLSSON, B. Raising of broilers. (Sw) *For-sok Forsk.* 9:2-5. 1965. 11 F77

- 38385 PALACIOS, G. M. Atmospheric temperature and thermoregulation in poultry. (Sp) *Avicult. Tec.* 16(2):70,75-78,81. Ref. Feb.1965. 47.8 Av57
- 38386 PALEN, G. F. Focusing cues in the visual cliff behavior of day-old chicks. *J. Compar. Physiol. Psychol.* 59(3):452-454. June 1965. 410 J822
- 38387 PALLEJA FIGUEROLA, J. M. More on culling of hens. (Sp) *Avicult. Tec.* 16(6):272-274,277-279. June 1965. 47.8 Av57
- 38388 PARTHASARATHY, K. V., and RAJAN, S. Some aspects of chick hatchery. *Madras Inform.* 19(8):29-32. Aug.1965. 280.8 M26
- 38389 PASSAMONTI, G. With Hamersveld in Holland. (It) *Avicoltura* 34(12):123-130. Dec.1965. 47.8 R523
French summary, p.74.
The poultry and hatching egg facilities of this company.
- 38390 PATTERSON, W. C. The Southeast Poultry Research Laboratory. *Ga. Poultryman* 1965:32-33,35. 47.8 G292
Administered by the Animal Disease and Parasite Research Division, Agricultural Research Service, USDA, in Athens.
- 38391 PEREZ, A. M. The commercial possibilities of incubating White Muscovy duck (*Cairina moschata*) eggs; a preliminary study. *Araneta J. Agr.* 11(4):189-199. Ref. Oct./Dec.1964. 25 Ar1
- 38392 PETIT, K. L., and DEBRUYCKERE, M. Vapour production and sensible heat output in poultry houses. (Fl) *Ghent. Landbouwhogeschool Mededel.* 30(2):505-526. 1965. 105.1 G344
English summary.
- 38393 PLATT, C. S. Egg farms of fifty years ago. *Everybody's Poultry Mag.* 70(10):22-23. Oct. 1965. 47.8 F213P
- 38394 PRISTAS, O. Social aggression of hens from the point of view of poultry psychology and practical breeding. (Cz) *Polnohospodarstvo* 11(12):915-918. 1965. 19.5 P752
- 38395 PRUDEN, A. A plea for the individual hen. *Poultry Trib.* 72(2):28. Feb.1966. 47.8 P8642
- 38396 QUAAS, R., and WILKE, G. Quality and storability of eggs in reference to intensive rearing of poultry. (Ge) *Arch. Geflugelzucht Kleintierkunde* 14(6):381-385. 1965. 47.8 Ar22
English summary.
- 38397 RATNER, S. C. Comparisons between behaviour development of normal and isolated domestic fowl. *Anim. Behav.* 13(4):497-503. Oct. 1965. 410 B77
- 38398 REDDY, V. B., and SARMA, P. L. N. Diurnal variations and some environmental aspects of egg production in White Leghorns. *Indian Vet. J.* 42(11):849-856. Ref. Nov.1965. 41.8 In2
Climatic effect.
- 38399 REVISTA DOS CRIADORES. Edition dedicated to poultry. (Por) *Rev. Criadores* 36(431):12-20,22-24,26-42,44,76. Nov.1965. 43.8 R32
Includes the poultry, poultry meat, and egg industries in Sao Paulo; articles on processing; articles on farm management and equipment, by L. A. Penteado, and G. dos S. Mercadante; and a directory of association, commercial firms, hatcheries, etc.
- 38400 ROY, P. The all-in, all-out flock—good or bad? *Poultry Trib.* 72(1):42-43,46. Jan.1966. 47.8 P8642
- 38401 RUDOLPH, W., and FRITSCH, H. Studies on the problem of a slaughter value of poultry. 5. The effect of fattening period and sex on some slaughter value characteristics of Pekin ducks. (Ge) *Arch. Geflugelzucht Kleintierkunde* 14(6):353-358. 1965. 47.8 Ar22
English summary.
- 38402 SCHEFFERLE, H. E. The decomposition of uric acid in built up poultry litter. *J. Appl. Bact.* 28(3):412-420. Ref. Dec.1965. 448.39 So12
Caused by bacteria.
- 38403 SCHEFFERLE, H. E. The microbiology of built up poultry litter. *J. Appl. Bact.* 28(3):403-411. Dec.1965. 448.39 So12
- 38404 SIREGAR, A. P., and HERRICK, R. B. The effect of variable light on November-hatched Single Comb White Leghorn pullets. *Hawaii Farm Sci.* 14(2):7-8. Apr.1965. 100 H314
- 38405 STANEK, E. Twenty years of the Czechoslovak poultry rearing. (Cz) *Drubeznictvi* 13(5):65-69. May 1965. 47.8 D843
- 38406 THE SYNDICATED Union of Poultry Farmers [Union Sindical de Empresarios Avicolas]. (Sp) *Avicult. Tec.* 16(3):97-100,103-106,109,111-112,115-117. Mar.1965. 47.8 Av57
A motion presented by F. Martinez de la Grana; governing board members; Summary of activities, by L. Escribano Tejedor; and Project of by-laws of the Union.
- 38407 TENNISON, L. B. Hold layer mortality under 10 percent. *Poultry Trib.* 72(2):19,34. Feb. 1966. 47.8 P8642
Especially housing management.
- 38408 TOLMAN, C. W. Emotional behaviour and social facilitation of feeding in domestic chicks. *Anim. Behav.* 13(4):493-496. Oct.1965. 410 B77
- 38409 VANCIKOVA, R., and HOLAS, Z. Present state of rearing turkeys in Czechoslovakia. (Cz) *Drubeznictvi* 13(6):83-84. June 1965. 47.8 D843
- 38410 VELASCO LARA, P. Analysis of modern poultry raising in Spain. (Sp) *Avicult. Tec.* 16(2):49-52,55. Feb.1965. 47.8 Av57
- 38411 WALFORD, E. S. Storage and care of incubator eggs. (Sp) *Avicult. Tec.* 16(9):407-409. Sept. 1965. 47.8 Av57
- 38412 ZAKOMYRDIN, A. A. Use of aerosol disinfection on poultry farms. (Rus) In Rostovtsev, N. F. *Problemy veterinarnoi sanitarii*, p.120-123. 1964. 41 R733
- 38413 ZANONI, G. Modern ways to raise geese. (It) *Avicoltura* 34(2):101-105. Feb.1965. 47.8 R523
- 38414 ZEIGLER, H. P., and SCHMERLER, S. Visual discrimination of orientation by pigeons. *Anim. Behav.* 13(4):475-477. Oct.1965. 410 B77
- 38415 ZIGIC, L. The effect of storage and transportation of chicks on their growth during first days of life. (Se) *Stocarstvo* 19(9/10):399-403. Sept./Oct.1965. 43.8 St6
B. Masic, D. Petrovic, and I. Srajbnar, joint authors.
English summary.

RABBITS

Breeds and Breeding

- 38416 OKERMAN, F. The production of meat rabbits; the selection of breed. (Fl) *Land- Tuinbouw Jaarboek* 20:147-163. 1965. 13 L22
- 38417 PETERS, H., LEVY, E., and CRONE, M. Oogenesis in rabbits. *J. Expt. Zool.* 158(2):169-180. Mar.1965. 410 J825
- 38418 SWIERSTRA, E. E., and FOOTE, R. H. Duration of spermatogenesis and spermatozoan transport in the rabbit based on cytological changes, DNA synthesis and labeling with tritiated thymidine. *Amer. J. Anat.* 116(2):401-411. Ref. Mar.1965. 447.8 Am32

Feeds and Feeding

- 38419 AYALA MARTIN, E. Nutrition in rabbit raising. I-II. (Sp) *Avicult. Tec.* 16(2):61-64,67-69; (3):136-138,141-144. Feb.-Mar.1965. 47.8 Av57

- 38420 BETTINI, T. M., and PROTO, V. Chemical composition, digestibility in vivo and computed nutritive value of alfalfa at different vegetation stages, with particular reference to lignin and methoxyl content. (It) Ann. Sperim. Agr. (n.s.) 16(1/2):71-104. Ref. 1962, pub. 1965. 16 An76 English summary.
Tests with rabbits.

- 38421 ROIG MIRO, J. Efficiency in feeding of rabbits. (Sp) Avicult. Tec. 16(1):29-30. Jan. 1965. 47.8 Av57

Veterinary Medicine

- 38422 ALIEV, S. YU., and others. Our experience in control of lancet flukes in rabbits. (Rus) Krolikovodstvo Zverovodstvo 12:26. Dec. 1965. 40.28 K91

R. B. Khalilova, S. M. Mamedov, and T. D. Dzhabarov, joint authors.

- 38423 AYALA MARTIN, E. Coccidiosis in rabbits. (Sp) Avicult. Tec. 16(1):19-22, 27. Jan. 1965. 47.8 Av57

- 38424 BABIROV, S. B. Methods of checking the activity of biogenic stimulators. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:143-146. 1963, pub. 1964. 49.9 AL6T
Experiments on rabbits.

- 38425 DOUGLAS, G. W. A review of myxomatosis in Victoria—1950-1965. J. Agr. [Melbourne] 63 (12):557-562, 568, map. Dec. 1965. 23 V66J

- 38426 GATSCHEW, E. P. Experimental studies on lactose synthesis and milk yield. (Ge) Milchwissenschaft 20(12):635-638. Dec. 1965. 44.8 M5933
English summary.
In rabbits.

- 38427 GEVONDYAN, V. S. On the hydrosulfites in the liver of rabbits infected with liver flukes. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(8):69-74. Aug. 1965. 20 Er4

- 38428 HARPER, M. J. K. The effects of decreasing doses of oestrogen and increasing doses of progesterone on the transport of artificial eggs through the reproductive tract of ovariectomized rabbits. J. Endocrinol. 31(3):217-226. Ref. Feb. 1965. 448.8 J8293

- 38429 JACOTOT, B. Electrocardiograms of rabbit. (Fr) Rec. Med. Vet. 141(11):1095-1107. Ref. Nov. 1965. 41.8 R24
English summary.

- 38430 KLEMM, W. R. Potentiation of animal "hypnosis" with low levels of electric current. Anim. Behav. 13(4):571-574. Ref. Oct. 1965. 410 B77
Tested with New Zealand White rabbits.

- 38431 MYKYTOWYCZ, R. Further observations on the territorial function and histology of the submandibular cutaneous (chin) glands in the rabbit, *Oryctolagus cuniculus* (L.). Anim. Behav. 13(4):400-412. Ref. Oct. 1965. 410 B77

- 38432 SHAKARYAN, G. A., and NAVASARDYAN, A. A. The effect of monomycin on preventive properties of blood serum. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk 18(8):56-60. Aug. 1965. 20 Er4
Rabbits.

- 38433 SHPITSGLUZ, YA. Problem in treatment of *Staphylococcus* in rabbits. (Rus) Krolikovodstvo Zverovodstvo 12:25. Dec. 1965. 40.28 K91

Miscellaneous

- 38434 GROSSMANN, K. E. Behavioral differences between rabbits and cats. Diss. Abs. 26(7):4088. Jan. 1966. 241.8 M58

SHEEP AND GOATS

Breeds and Breeding

- 38435 BASSETT, J. W. Efficiency of different selection criteria for increased lamb and wool production. Diss. Abs. 26(7):3563. Jan. 1966. 241.8 M58
Statistical method.

- 38436 BOKENBAEV, T. B. Certain results of selection of Semi-Fine-wooled fat tail sheep. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:16-25. 1963, pub. 1964. 49.9 AL6T

- 38437 BOKENBAEV, T. B. Inheritance of characteristics in hybrid sheep. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:26-37. 1963, pub. 1964. 49.9 AL6T

- 38438 CALVET, J. A Patagonian experience. (Sp) Ovina 27(320/321):44-47; (322):14-15, 38. Mar./Apr.-May 1965. 45.8 Ov4
Especially the Corriedale sheep farms.

- 38439 CALVO, C. A. Selection versus balance. (Sp) Ovina 1965(spec. issue):24-25. 45.8 Ov4
Sheep.

- 38410 CLARK, N. T. A comparison of the reproductive performance of ewes grazing Dwalganup or Bacchus Marsh subterranean clover of a mixture of lucerne and burr medic [*Medicago denticulata*] before and during mating. Australian J. Exp. Agr. Anim. Husb. 5(17):106-109. Ref. May 1965. 23 Au792

- 38441 DRINAN, J. P., and DUN, R. B. Skin folds and Merino breeding. 3. The association between skin fold and the productivity of Merino ewes in fourteen New South Wales flocks. Australian J. Exp. Agr. Anim. Husb. 5(19):345-352, map. Nov. 1965. 23 Au792

- 38442 DUN, R. B., and DOUGLASS, D. S. The comparative reproductive performance of polled and horned Merino rams. Australian J. Exp. Agr. Anim. Husb. 5(17):102-105. May 1965. 23 Au792

- 38443 DURAN DEL CAMPO, A. The effect of pre-service shearing on the fertility of Romney ewe hoggets. (Sp) Ovina 28(326):26-27. Sept. 1965. 45.8 Ov4
Studies in Uruguay.

- 38444 ELTAWIL, E. A. Genetic and environmental factors of sheep under arid conditions. Diss. Abs. 26(7):3594. Jan. 1966. 241.8 M58

- 38445 GODLEE, A. C. Merino strains for New South Wales. Agr. Gaz. New S. Wales. 76(11):649-651. Nov. 1965. 23 N472

- 38446 GROFF, J. L. Selecting Angora goats and breeding sheep for show. Sheep Goat Raiser 46(5):16, 18. Feb. 1966. 45.8 Sh3

- 38447 GUIRGIS, R. A. Smoky swelling in the birth-coats of various breeds of sheep. Textile Inst. J. 56(12):T699. Dec. 1965. 73.9 T31

- 38448 HOFMEYER, H. S. Milch goats. Farming S. Afr. 41(8):37, 40, 67. Nov. 1965. 24 So842

- 38449 HORAK, F. Milk production of the Valachian sheep breed after the weaning of lambs and the basic correlations of the milk production. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(1):47-56. Ref. Jan. 1965. 49.9 C33
German summary.

- 38450 JAKUBEC, V. A contribution to the methods of the control of heredity of various breeds of sheep of Bohemia. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):421-428. Ref. June 1965. 49.9 C33
English summary.

- 38451 JAKUBEC, V. A study of the production of greasy wool and the most important properties of wool in Valachian Texel sheep crossbreeds. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(5):367-376. Ref. May 1965. 49.9 C33 English summary.
- 38452 KATADA, A., and MISAIZU, Y. Extra-seasonal production of lambs in Corriedale ewes treated with progesteron and serum gonadotropin (PMS). (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 88:78-89. Ref. Dec.1965. 107.6 H68 English summary.
- 38453 KOSTIC, V. The effect of the rams of the Corriedale sheep breed on the improvement of meat production and yields of fine wool of the Svrljig sheep breed as reflected in the first and second generation. (Se) Stocarstvo 19(3/4): 171-178. Mar./Apr.1965. 43.8 St6 French summary.
- 38454 LAX, J., and TURNER, H. N. The influence of various factors on survival rate to weaning of Merino lambs. I. Sex, strain, location, and age of ewe for single-born lambs. Australian J. Agr. Res. 16(6):981-995. Ref. Nov.1965. 23 Au783
- 38455 MARGOLENA, L. A. Lock type, follicular characteristics and medullation in Texas and South African Angora does. Va. J. Sci. (n.s.)17 (1):32-39. Jan.1966. 470 V81
- 38456 MARTIN, C. A. Cull the barren two-tooth ewe. New Zeal. Meat Prod. 10(3):40. Dec.1,1965. 50.8 N48
- 38457 MAYMONE, B., GIACOMINI, A., and CELSO, P. M. DI. Effect of oral administration of diethylstilbestrol on the digestibility of the ration, on feed conversion index, on yield and meat quality of rams. (It) Ann. Sperim. Agr. (n.s.)17(3/4):297-328. 1963, pub.1965. 16 An76 English summary.
- 38458 MUKHAMEDGALIEV, F. M., and BAIMUKHAMBETOV, K. Certain problems of early embryogenesis of Fine-Wooled sheep. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:211-219. Ref. 1963, pub.1964. 49.9 AL6T
- 38459 MUKHAMEDGALIEV, F. M., and BAIMUKHAMBETOV, K. Embryogenesis of Fine-Wooled sheep. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13: 199-210. Ref. 1963, pub.1964. 49.9 AL6T
- 38460 MULLANEY, P. D. Changes in face cover of fine wool Merino ewes associated with season and time of lambing. Australian J. Exp. Agr. Anim. Husb. 5(19):372-375. Nov.1965. 23 Au792
- 38461 PADUCHEVA, A. L., and YADRICHEV, V. I. Stimulative effect of methandrostenolone on weight increase of Romanov lambs. (Rus) Khim. Sel'skom Khoz. 6:66-67. June 1965. 385 K524
- 38462 PATTIE, W. A. Selection for weaning weight in Merino sheep. 1-2. Australian J. Exp. Agr. Anim. Husb. 5(19):353-368. Ref. Nov.1965. 23 Au792
1, Direct response to selection; 2, Correlated responses in other production characters.
- 38463 PEPELKO, W. E., and CLEGG, M. T. Studies of mating behaviour and some factors influencing the sexual response in the male sheep Ovis aries. Anim. Behav. 13(2/3):249-258. Ref. Apr./July 1965. 410 B77
In Targhee sheep.
- 38464 POLACH, A. On the growth and development of the body of Fine-wooled lambs of the Wurttemberg sheep breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(12):911-920. Ref. Dec.1965. 49.9 C33 English summary.
- 38465 PUEYRREDON, E. M. Who is right? (Sp) Ovina 28(326):18. Sept.1965. 45.8 Ov4
Corriedale breeding and ram selection in Argentina.
- 38466 RAI, G. S., and CHOREY, P. A. Lactational performance of Jamnapari and Barbari goats. Indian Vet. J. 42(12):958-961. Dec.1965. 41.8 In2
- 38467 RATHORE, A. K., and MUKHERJEE, D. P. Effects of egg-yolk-citrate and egg-yolk glycine dilutors on the morphology of ram spermatozoa. Indian Vet. J. 42(11):857-863. Ref. Nov. 1965. 41.8 In2
- 38468 REYNTENS, N. Standards of our sheep breeds. (Fl) Land- Tuinbouw Jaarboek 20:125-131. 1965. 13 L22
- 38469 SHAKHVOROSTOVA, N. P. Morphologic changes of sheep testes in partial castration. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:220-228. 1963, pub.1964. 49.9 AL6T
- 38470 SLEE, J. Seasonal patterns of molting in Hörn sheep. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.545-563. Ref. 1965. QP88.5.L9
- 38471 SMITH, I. D. Reproductive wastage in Merino sheep in semi-arid tropical Queensland; observations on flocks mated during the spring and summer. Australian J. Exp. Agr. Anim. Husb. 5(17):110-114. Ref. May 1965. 23 Au792
- 38472 TANEJA, G. C., and GHOSH, P. K. Variation in potassium concentration of blood in Marwari sheep. Indian J. Exp. Biol. 3(3):166-167. July 1965. 442.8 In2
- 38473 THOMASSET, L. F. Brown stains are an undesirable inheritance from wild sheep and should be severely controlled. (Sp) Ovina 28 (327):50-53,73. Oct.1965. 45.8 Ov4
Corriedale wool.
- 38474 THOMASSET, L. F. The concept of industrial dual-purpose crossing as against the dual-purpose breed. (Sp) Ovina 28(326):23. Sept.1965. 45.8 Ov4
- 38475 TULESHOV, M. Comparing zootechnical and economical advantages of winter and spring lambing on farms in virgin zones of Kazakhstan. (Rus) Zhivotnovodstvo 12:58-61. Dec. 1965. 49 Z6
- 38476 TYAGI, J. C., and MAHAR, U. S. The performance of Polwarth sheep in Uttar Pradesh hills. Indian Vet. J. 42(12):965-972. Dec.1965. 41.8 In2
- 38477 VAN RENSBURG, S. W. J. The certification of breeding rams in South Africa. (Sp) Ovina 1965(spec.issue):16-17,38. 45.8 Ov4
- 38478 VOSLOO, L. P. Merino's and German Merino's—how does their wool differ? Farming S. Afr. 41(7):15,19. Oct.1965. 24 So842
- 38479 YOUNG, S. S. Y., and others. Genetic and phenotypic parameters for body weight and greasy fleece weight at weaning in Australian Merino sheep. Australian J. Agr. Res. 16(6): 997-1009. Ref. Nov.1965. 23 Au783
G. H. Brown, H. N. Turner, and C. H. S. Dolling, joint authors.

Feeds and Feeding

- 38480 ANDREWS, E. D. Observations on the thrift of young sheep on a marginally cobalt-deficient area. New Zeal J. Agr. Res. 8(4):788-817. Ref. Nov.1965. 23 N4892
- 38481 BAILE, C. A., and MAYER, J. Hyperphagia in ruminants induced by a depressant. Science 151(3709):458-459. Ref. Jan.28,1966. 470 Sci2
Pentobarbital used in goat studies.
- 38482 BUCKLAND, J. F., and FIELDING, G. J. The Bay of Plenty littoral. New Zeal. Geogr. 21(2): 95-112, map. Oct.1965. 331.8 N48
Pastoral land development for grazing sheep and cattle.
- 38483 CAMPBELL, L. D., and ROBERTS, W. K. The requirements and role of potassium in ovine nutrition. Can. J. Anim. Sci. 45(3):147-156. Ref. Dec.1965. 41.8 C163
Lambs.

- 38484 COETSEE, G. Sheep on the Ghaap plateau. Farming S. Afr. 41(8):23-24. Nov.1965. 24 So842 Feeding.
- 38485 DAVIES, H. L., and DUDZINSKI, M. L. Further studies on oestrogenic activity in strains of subterranean clover (*Trifolium subterraneum* L.) in south-western Australia. Australian J. Agr. Res. 16(6):937-950. Ref. Nov. 1965. 23 Au783 Sheep feeding.
- 38486 DREAVER, R. W. Weaning of lambs. Tasmanian J. Agr. 36(4):263-266. Nov.1965. 23 T182T
- 38487 ENG, K. S., and RIEWE, M. E. Effect of stage of maturity of gulf ryegrass hay and level of concentrate supplementation on animal performance. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:25-26. July 1965. 100 T31P Sheep.
- 38488 FRANCIS, C. M., and MILLINGTON, A. J. Wether bioassay of annual pasture legumes. IV. The oestrogenic activity of annual medic pastures. Australian J. Agr. Res. 16(6):927-935. Ref. Nov.1965. 23 Au783 Medicago.
- 38489 HIGHT, G. K., and SINCLAIR, D. P. The autumn growth of hoggets of different pasture types. New Zeal. J. Agr. Res. 8(4):1075-1086. Ref. Nov.1965. 23 N4892
- 38490 HODGE, R. W. The apparent digestibility of ewes' milk by young lambs. Australian J. Exp. Agr. Anim. Husb. 5(19):369-371. Ref. Nov. 1965. 23 Au792
- 38491 HYLAND, P. G. Hand feeding of sheep. 2. Rations for seasonal and drought feeding. J. Agr. [Melbourne] 63(11):497-503. Nov.1965. 23 V66J
- 38492 INGALLS, J. R., and others. Comparative response of wether lambs to several cutting of alfalfa, birdsfoot trefoil, brome grass and reed canarygrass. J. Anim. Sci. 24(4):1159-1164. Ref. Nov.1965. 49 J82 J. W. Thomas, E. J. Benne, and M. Tesar, joint authors. Feed relationships.
- 38493 JORDAN, R. M., and HANKE, H. E. Minnesota trials measure value of dehy, [alfalfa], urea in lamb rations. Feedlot 8(3):31-32,34. Mar. 1966. 43.8 F32
- 38494 KARYUKOV, V. G. Use of silage in rations for Fine-wooled sheep. (Rus) Zhivotnovodstvo 12:66. Dec.1965. 49 Z6
- 38495 LIGHT, M. R., and others. The effects of varying the levels of alfalfa and barley in pelleted creep and fattening rations on lamb gains, transit shrinkage and certain carcass characteristics. N. Dak. Agr. Exp. Sta. Res. Rep. 15, 11 p. Sept.1965. 100 N813R C. N. Haugse, V. K. Johnson, and M. L. Buchanan, joint authors.
- 38496 MAMBETOV, K. Effect of supplementary feeding of ewes with hydrolytic yeast on the skin structure of lambs. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:55-60. 1963, pub.1964. 49.9 AL6T
- 38497 NICHOLSON, J. W. G., and FRIEND, D. W. The digestibility of potato pulp protein by some species of farm animals. Can. J. Anim. Sci. 45(3):141-145. Ref. Dec.1965. 41.8 C163 Sheep and swine.
- 38498 POLEY, G. E. Influence of dietary nitrogen sources on amino acids in plasma and abomasal ingesta from sheep. Diss. Abs. 26(6):2952. Dec.1965. 241.8 M58
- 38499 REIS, P. J. Variations in the sulphur content of wool. In Lyne, A. G., and Short, B. F., ed. Biology of the skin and hair growth, p.365-375. Ref. 1965. QP88.5.L9 Depending upon nutrition of sheep.
- 38500 REIS, P. J., and WILLIAMS, O. B. Variations in the sulphur content of wool from Merino sheep on two semi-arid grasslands. Australian J. Agr. Res. 16(6):1011-1020. Ref. Nov. 1965. 23 Au783
- 38501 SADAN, E. An economic appraisal of intensive feeding methods for Israeli improved Awassi sheep. Israel J. Agr. Res. 15(3):139-146. July 1965. 107 J552
- 38502 SMITH, J. A. C. How valuable is barley grass? West. Australia. Dep. Agr. J. (ser.4) 6(9):545. Sept.1965. 23 W52J Pasture for sheep.
- 38503 STEGER, H., ALTENKIRCH, W., and PUSCHEL, F. Copper and manganese content of sheep wool. (Ge) Arch. Tierzucht 8(4/6):455-462. Ref. 1965. 49 Ar23 English summary. Feeding effects.
- 38504 WILLIAMS, A. J., and WINSTON, R. J. Relative efficiencies of conversion of feed to wool at three levels of nutrition in flocks genetically different in wool production. Australian J. Exp. Agr. Anim. Husb. 5(19):390-395. Ref. Nov. 1965. 23 Au792
- 38505 WILLIAMS, A. J., and MILLER, H. P. The voluntary feed intake of sheep genetically different in wool production. Australian J. Exp. Agr. Anim. Husb. 5(19):385-389. Ref. Nov. 1965. 23 Au792
- 38506 YUROCHKIN, M. V. Intensive feeding of sheep; a good method for meat production. (Rus) Zhivotnovodstvo 12:64-65. Dec.1965. 49 Z6

Veterinary Medicine

- 38507 ADAVAL, S. C., KHURANA, J. S., and MUKERJI, D. P. Studies on blood coagulation of goats in India. I. Coagulation time and clot retraction. Indian Vet. J. 42(12):915-918. Dec.1965. 41.8 In2
- 38508 AFONSO, J. C., BARBOSA, A. N., and MACHADO, A. M. Prevention of enterotoxemia due to *Clostridium perfringens* type D. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(3):43-67. Ref. 1964. 41.8 P83 English summary. Preparation of a vaccine in Portugal and its immunizing value for sheep.
- 38509 ALLCROFT, R., and others. Metabolism of aflatoxin in sheep: excretion of the milk toxin. Nature [London] 209(5019):154-155. Jan.8, 1966. 472 N21 H. Rogers, G. Lewis, J. Nabney, and P. E. Best, joint authors.
- 38510 AZEVEDO, J. F. DE, and PALMEIRO, J. M. The first case of ovine leptospirosis in Portugal. (Por) Port. Dir. Geral Serv. Pecuários. Bol. Pecuário 32(3):113-125, map. 1964. 41.8 P83 English summary.
- 38511 BAIMUKHAMBETOV, K. Embryogenesis and histogenesis of sheep lungs. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:301-312. 1963, pub.1964. 49.9 AL6T
- 38512 BAITURINA, O. SH. Search for proper doses and system of bicillin utilization for lambs. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:122-123. 1963, pub.1964. 49.9 AL6T In pneumonia treatment.
- 38513 BENDEZU H., W. Ideas for the control of gastrointestinal parasitism in sheep. (Sp) Ganad. Andina Voz Vet. 14(2):16-21. Second Third 1964. 49 G156 English summary. Peru.
- 38514 BERDONGAROVA, O. I. Histogenesis of heart musculature in sheep. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:233-241. 1963, pub.1964. 49.9 AL6T

- 38515 BORLAND, R., and WEBBER, A. J. An electron microscope study of squamous cell carcinoma in Merino sheep associated with keratin-filled cysts of the skin. *Cancer Res.* 26(1):172-182. Ref. Jan.1966. 448.8 C16
- 38516 BURNY, A., COMPERE, R., and VANUY-TRECHT, S. Action of an excess of iron on phosphorus metabolism. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):725-742. 1965. 105.1 G344
Experiments on sheep and rats.
- 38517 CHAPMAN, R. E. The ovine arrector pili musculature and crimp formation in wool. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.201-232. Ref. 1965. QP88.5.L9
- 38518 CHARTON, A., and others. Comparative study of glycemia of the plasma of the jugular vein and the plasma of the post-mammary vein in ewe during lactation. (Fr) *Rec. Med. Vet.* 141(11):1065-1077. Ref. Nov.1965. 41.8 R24
P. Faye, A. Hervy, C. Bernard, and M. Gueslin, joint authors.
English summary.
- 38519 CLARKE, J. N. Methods of lamb castration. *Ruakura Farmers' Conf. Week. Proc.* 1965:6-14. 49.9 R82
Effect of castration on live weight, carcass weight, and quality.
Includes discussion.
- 38520 COETZEE, C. G., VERMEULEN, E. J., and DAYSON, J. E. Ram lambs, when to castrate. *Farming S. Afr.* 41(7):57-58. Oct.1965. 24 So842
- 38521 CUNHA E MELO, L. P. DA. An endemic outbreak of contagious agalactia in Portugal. (Por) *Port. Dir. Geral Serv. Pecuários. Bol. Pecuário* 32(3):157-173. Ref. 1964. 41.8 P83
English summary.
- 38522 DEMEYER, D. Methane production from formate and pyruvate by mixed rumen bacteria. *Ghent. Landbouwhogeschool. Mededel.* 30(2):765-775. Ref. 1965. 105.1 G334
Sheep.
- 38523 DOBSON, A. Physiological changes associated with dietary change and grazing. *Int. Symp. Physiol. Dig. Ruminant. Pap., 2d Symp.*:88-96. Ref. 1964, pub.1965. 444.9 In86
Studies of sheep changing from indoor to pasture feeding.
Discussion, p.124-130.
- 38524 DOLLING, C. H. S., PIPER, L. R., and CARPENTER, M. T. The effect of thyroxine on the mean and variance of wool production of Merino sheep on natural pasture. *Australian J. Exp. Agr. Anim. Husb.* 5(19):376-384. Ref. Nov.1965. 23 Au792
- 38525 DOMASHNEVA, L. V. Concerning the lymphatic system of sheep mammary gland. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:186-189. 1963, pub.1964. 49.9 AL6T
- 38526 DOMASHNEVA, L. V. Ways of lymph outflow from distal end of pelvic extremity in sheep. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:182-185. 1963, pub.1964. 49.9 AL6T
- 38527 DOWNES, A. M., and WALLACE, A. L. C. Local effects on wool growth of intradermal injections of hormones. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.679-703. Ref. 1965. QP88.5.L9
- 38528 DOWNES, A. M. A study of the incorporation of [³⁵S] labelled cystine into growing wool fibres. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.345-364. Ref. 1965. QP88.5.L9
- 38529 DRY, F. W. Lamb fibre types. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.89-104. Ref. 1965. QP88.5.L9
- 38530 DYMKO, E. F. Effect of minor elements (cobalt and copper) on metabolism and clinical picture in sheep sick with pneumonia. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:137-142. Ref. 1963, pub.1964. 49.9 AL6T
- 38531 EDYGOV, K. Rendering harmless skin and fur raw materials obtained from *Brucella* infected animals. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:151-157. 1963, pub.1964. 49.9 AL6T
Chiefly sheepskins.
- 38532 FERGUSON, K. A., WALLACE, A. L. C., and LINDNER, H. R. Hormonal regulation of wool growth. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.655-677. Ref. 1965. QP88.5.L9
- 38533 FLORENTIN, A. Action of some physical factors on the culture of oligotrich commensal Ciliata from the rumen of ruminants. (Fr) *Arch. Zool. Exp. Gen.* 105(2):193-199. June 1965. 410 Ar24
Ophryoscolecidae in sheep.
- 38534 FORBES, T. J., and SINGLETON, A. G. Observations on the concentration of glucose and volatile fatty acids levels in the blood of ewes. *Brit. Vet. J.* 122(1):28-37. Ref. Jan.1966. 41.8 V643
- 38535 FRASER, I. E. B. Cellular proliferation in the wool follicle bulb. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.427-445. Ref. 1965. QP88.5.L9
- 38536 GARDINER, M. R., and GORMAN, R. C. Feed analyses and mineral contents of lupins associated with lupinosis of sheep in Western Australia. *Australian J. Exp. Agr. Anim. Husb.* 5(19):410-416. Ref. Nov.1965. 23 Au792
- 38537 GILLESPIE, J. M. The high-sulphur proteins of normal and aberrant keratins. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.377-398. Ref. 1965. QP88.5.L9
Synthesis in sheep.
- 38538 GOMES, J. F., and OLIVEIRA E SILVA, R. A case of isolation of *Salmonella derby* from a lamb. (Por) *Port. Dir. Geral Serv. Pecuários. Bol. Pecuário* 32(3):151-155. 1964. 41.8 P83
English summary.
Portugal.
- 38539 GUDNADOTTIR, M., and PALSSON, P. A. Host-virus interaction in visna infected sheep. *J. Immunol.* 95(6):1116-1120. Dec.1965. 448.8 J8232
Injected intracerebrally.
- 38540 HALLIDAY, R. The transfer of antibodies from ewes to their lambs. *J. Immunol.* 95(3):510-516. Ref. Sept.1965. 448.8 J8232
- 38541 HALMAGYI, D. F. J., STARZECKI, B., and HORNER, G. J. Mechanism and pharmacology of shock due to rattlesnake venom in sheep. *J. Appl. Physiol.* 20(4):709-718. Ref. July 1965. 447.8 J825
- 38542 HARRISON, F. A., and MCDONALD, I. R. The arterial supply to the adrenal gland of the sheep. *J. Anat.* 100(1):189-202. Jan.1966. 447.8 J826
- 38543 HASHIMOTO, C., MCSHAN, W. H., and MEYER, R. K. Preparation of follicle stimulating hormone from sheep pituitary glands. *Biochem. Biophys. Res. Commun.* 21(2):120-125. Oct.26, 1965. 442.8 B5236
- 38544 HEALY, W. B., LUDWIG, T. G., and CUTRESS, T. W. Wear of sheep's teeth. I-II. *New Zeal. J. Agr. Res.* 8(4):737-762. Ref. Nov.1965. 23 N4892
I, The role of ingested soil, by W. B. Healy and T. G. Ludwig; II, Effects of pasture juices on dentine, by T. W. Cutress and W. B. Healy.
- 38545 HELLSTROM, N., and AAMISEPP, M. Digestion. III. Faecal analyses and digestibility. *J. Sci. Food Agr.* 16(1):27-33. Jan.1966. 382 So12
Sheep fed on ryegrass and cocksfoot.
- 38546 HENDERSON, A. E. Relationship of wool follicle and wool fibre dimensions. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.447-460. Ref. 1965. QP88.5.L9
Romney sheep.

- 38547 HILL, K. J. Abomasal secretory function in the sheep. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:221-230. Ref. 1964, pub. 1965. 444.9 In86
Discussion, p.231-237.
- 38548 HYDEN, S., and SPERBER, I. Electron microscopy of the ruminant fore-stomach. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.: 51-60. 1964, pub. 1965. 444.9 In86
In goats.
Discussion, p.61-67.
- 38549 IGLMANOV, U. Epidermal cystic formations in the thyroid gland of sheep. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:229-232. 1963, pub. 1964. 49.9 AL6T
- 38550 ITIKAWA, O., ITOH, M., and HOSHINO, T. Histochemical studies on feed tissues in ruminal fluids. I. Especially on the alternation of leaves put in the artificial ruminal fistula of goats. *Tohoku J. Agr. Res.* 15(1):13-37. Ref. June 1964. 22.5 T574
- 38551 IVANOVA, G. M., MYAKUSHINA, A. A., and GULYAEV, A. I. Antigenic conditions common to *Brucella* and paratyphoid bacteria. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:106-110. 1963, pub. 1964. 49.9 AL6T
In sheep.
- 38552 KERKOF, P. R. In vitro morphologic and iodine-metabolic characteristics of cells isolated from sheep thyroid glands. *Diss. Abs.* 26 (7):4040-4041. Jan. 1966. 241.8 M58
- 38553 KLOPFENSTEIN, T. J. Effects of defaunation and antibiotic on feed digestibility, rumen metabolism, and certain blood metabolites in sheep. *Diss. Abs.* 26(7):3564. Jan. 1966. 241.8 M58
- 38554 KOVAL'SKII, V. V., and LUTSKII, D. YA. Synthesis of glutamic acid from α -ketoglutaric acid and ammonium carbonate in liver homogenates of sheep showing different meat productivity and kept on different protein rations. (Rus) *Akad. Nauk SSSR. Dok.* 163(3):758-760. 1965. 511 P444A
- 38555 LADD, J. N., and WALKER, D. J. Fermentation of lactic acid by the rumen microorganism, *Peptostreptococcus elsdenii*. N. Y. *Acad. Sci. Ann.* 119(3):1038-1047. Ref. July 31, 1965. 500 N484
From sheep rumen.
- 38556 LEIBHOLZ, J. The free amino acids occurring in the blood plasma and rumen liquor of the sheep. *Australian J. Agr. Res.* 16(6):973-979. Ref. Nov. 1965. 23 Au783
- 38557 LENG, R. A., and LEONARD, G. J. Loss of methyl tritium and $[^3\text{H}]$ acetate in rumen fluid. *Nature [London]* 207(4998):760-761. Aug. 14, 1965. 472 N21
Sheep.
- 38558 LENG, R. A., and LEONARD, G. J. Measurement of the rates of production of acetic, propionic and butyric acids in the rumen of sheep. *Brit. J. Nutr.* 19(4):469-484. Ref. 1965. 389.8 B773
- 38559 LOCKE, R. F., and SEGRE, D. Heterogeneity of sheep diphtheria and tetanus antibodies. *J. Immunol.* 95(3):480-486. Ref. Sept. 1965. 448.8 J8232
- 38560 LOPATNIKOV, G. I. Effect of conditions of overwintering on the origin and course of sheep enterotoxemia enzootic in the Alma-Ata Region. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:87-91. 1963, pub. 1964. 49.9 AL6T
- 38561 MATVEEVA, N. F. Exchange of nitrogen and sulfur in organism of Fine-wooled sheep, fed by urea and stuff containing sulfur. (Rus) *Khim. Sel'skom Khoz.* 3:63-68. Ref. Mar. 1965. 385 K524
- 38562 MATVIENKO, B. A., and IVANOVA, G. M. Concerning the complex vaccine prophylaxis of sheep brucellosis and paratyphoid. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:101-105. 1963, pub. 1964. 49.9 AL6T
- 38563 MENDEL, V. E., and RAGHAVAN, G. V. Thermal response of intravascular and rectal tissue to temperature changes and chemical conditions in the rumen of sheep. *J. Physiol.* 182(1):34-41. Ref. Jan. 1966. 447.8 J82
- 38564 MEYER, J. H., KROMANN, R., and GARRETT, W. N. Digestion (influence of roughage preparation). *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:262-271. Ref. 1964, pub. 1965. 444.9 In86
Chiefly sheep.
Discussion, p.289-295.
- 38565 MIKULEC, K., and TAYLOR, A. Serum albumin-bound fatty acid values in wethers. *New Zeal. J. Agr. Res.* 8(4):889-892. Ref. Nov. 1965. 23 N4892
- 38566 MOLYNEUX, G. S. Observations on the structure, distribution, and significance of arteriovenous anastomoses in sheep skin. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.591-602. Ref. 1965. QP88.5.L9
- 38567 OLTEANU, G. Scolex precipitation method in the diagnosis of hydatidosis. (Rum) *Microbiol. Parazitol. Epidemiol.* 10(3):229. May/June 1965. 448.3 M584
Sheep and cattle.
- 38568 OMAROV, ZH. O., and PANIN, V. M. Concerning castration of rams using a method of subcutaneous ligature. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:174-177. 1963, pub. 1964. 49.9 AL6T
- 38569 PHILLIPSON, A. T., and ASH, R. W. Physiological mechanisms affecting the flow of digesta in ruminants. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:97-107. Ref. 1964, pub. 1965. 444.9 In86
Sheep.
Discussion, p.124-130.
- 38570 PLOTNIKOV, K. I. Letnie gastrozenterity i pnevmonii yagnyat [Gastroenteritis and pneumonia of lambs in summer]. Moskva, Kolos, 1965. 208 p. Ref. SF968.P6
- 38571 RADFORD, H. M. Pharmacological blockade of ovulation in the ewe. *J. Endocrinol.* 34(1): 135-136. Jan. 1966. 448.8 J8293
Effect of pentobarbital sodium.
- 38572 RIVENSON, S., SEGURA, M., and ZAKIN, M. M. Anticuerpos en ovinos infectados experimentalmente y vacunados contra la fiebre aftosa [Antibodies in sheep infected experimentally and vaccinated against foot-and-mouth disease]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 1(14):171-179. 1964. 41.8 R3227
English summary.
- 38573 ROE, W. E. In vivo measurements of the absorption or production of ketone bodies and certain other metabolites by the digestive tract of sheep. *Diss. Abs.* 26(6):3457-3458. Dec. 1965. 241.8 M58
- 38574 ROLDUGINA, N. P. Histological study of the pigmentation of the coat of Karakul lambs. (Rus) *Agrobiologiya* 4:549-556. Ref. Aug. 1965. 20 Ag822
- 38575 ROSA, W. A. J., and others. Antihelminticos en ovinos—pruebas comparativas. 2. Corderos [Anthelmintics in sheep—comparative tests. 2. Lambs]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 1(16):189-208. 1964. 41.8 R3227
R. Niec, J. M. Grillo Torrado, and R. Lukovich, joint authors.
English summary.
- 38576 ROUGEOT, J. The effect of thyroid hormones on the morphology of the wool cuticle. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.625-640. Ref. 1965. QP88.5.L9
- 38577 RUCKEBUSCH, Y., and MARQUET, J. P. Research on the nutritional behavior of ruminants. (Fr) *Rev. Med. Vet. [Toulouse]* 116(4):277-288. Ref. Apr. 1965. 41.8 R32
English summary.
Sheep with rumenectomy.

- 38578 RUDALL, K. M., and WICKHAM, G. A. Development of wool follicles and fibres on autoplasmic grafts of stored foetal lamb skin. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.75-88. Ref. 1965. QP88.5.L9
- 38579 RYAN, A. F. Liver fluke. *Tasmanian J. Agr.* 36(4):257-259. Nov.1965. 23 T182T
Chiefly sheep and cattle.
- 38580 SAFAROV, YU. B. Effect of solutions of iodine monochloride preparations on the pathogen of infectious enterotoxemia of sheep. (Rus) In Rostovtsev, N. F. *Problemy veterinarnoi sanitarii*, p.139-143. 1964. 41 R733
Chiefly disinfection of sheep pens, for *Clostridium perfringens* control.
- 38581 SCHNEIDER, R., FARHAT, N., and DURAND, M. Electrophoresis and immunoelectrophoresis of experimental rabies in sheep and goat. (Fr) *Inst. Pasteur Tunis. Arch.* 41(2):177-185. Ref. June 1964. 448.3 In72
- 38582 SCHNEIDER, R., and others. The reticuloendothelial record of sheep rabies. (Fr) *Inst. Pasteur Tunis. Arch.* 41(2):171-176. June 1964. 448.3 In72
A. Wacei, M. Durand, and N. Farhat, joint authors.
- 38583 SEMENOV, P. Actinobacillosis of sheep. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 11:28-29. Nov.1965. 281.8 Se44
Mycerin used for treatment.
- 38584 SERWATKA, S., and KOBRYN, H. A case of cephalothoracopagus in a lamb. *Folia Morphol.* 23(2):170-175. 1964. 444.8 F71Ae
- 38585 SETCHELL, B. P., and WAITES, G. M. H. Variations in blood flow in the skin. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.617-624. Ref. 1965. QP88.5.L9
Merino and Southdown sheep.
- 38586 SHAKHVOROSTOVA, N. P. Age morphology of sheep testes. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:262-270. Ref. 1963, pub.1964. 49.9 AL6T
- 38587 SHISHKOV, D., and STEFANOV, S. Corpus utere duplex in a sheep. (Bu) *Vet. Sbirka* 4:23. 1964. 41.8 V6463
- 38588 SHORT, B. F., WILSON, P. A., and SCHINCKEL, P. G. Proliferation of follicle matrix cells in relation to wool growth. In Lyne, A. G., and Short, B. F., ed. *Biology of the skin and hair growth*, p.409-426. Ref. 1965. QP88.5.L9
- 38589 SILVERMAN, P. H. Some immunologic aspects of parasitic helminth infections. *Amer. Zool.* 5(1):153-163. Ref. Feb.1965. 410 Am3
Sheep stomach worm, *Haemonchus contortus*.
- 38590 SOLOMATIN, N. I. Contents of vitamin A in the blood of sheep depending on rations and season of the year. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:297-300. Ref. 1963, pub.1964. 49.9 AL6T
- 38591 TERRINHA, A. M., and others. Autoradiographic study on sheeppox virus infection. *J. Bacteriol.* 90(6):1703-1709. Ref. Dec.1965. 448.3 J82
J. D. Vigario, J. L. N. Petisca, J. M. Nunes, and A. L. Bastos, joint authors.
- 38592 TILLMAN, A. D., and others. Effect of injected hydroxylamine upon vitamin A status of sheep. *J. Anim. Sci.* 24(4):1136-1139. Ref. Nov.1965. 49 J82
G. M. Sheriha, R. D. Goodrich, E. C. Nelson, and G. S. Smith, joint authors.
- 38593 TOKHTAMYSOVA, R. A. Embryogenesis of sheep liver and histochemistry of DNA. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:242-248. 1963, pub.1964. 49.9 AL6T
- 38594 VERBEKE, R., and others. Incorporation of DL ornithine-2-C¹⁴ into milk constituents by the isolated sheep udder. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):743-748. 1965. 105.1 G344
G. Peeters, G. Cocquyt, and M. Lauryssens, joint authors.
English summary.
- 38595 VERCOE, J. E., and BLAXTER, K. L. The metabolism of formic acid in sheep. *Brit. J. Nutr.* 19(4):523-530. Ref. 1965. 389.8 B773
- 38596 VOTYAKOV, V. I., and PROTAS, I. I. Course of experimental infection in sheep infected with strains of tick-borne encephalitis virus isolated in different geographic zones of the USSR. 14 p. Ref. (JPRS 32,992; TT 65-33569; CSO 9983-N) Transl. 15690
Translation from *Voprosy Virusologii* 10(4): 454-462. July/Aug.1965.
CFSTI: \$1.00.
- 38597 WARNER, A. C. I. Factors influencing numbers and kinds of microorganisms in the rumen. *Int. Symp. Physiol. Dig. Ruminant. Pap.*, 2d Symp.:346-359. Ref. 1964, pub.1965. 444.9 In86
Sheep.
Discussion, p.360-368.
- 38598 YOUNG, V. R. Some aspects of calcium and phosphorus metabolism in sheep, with special reference to the effects of phosphorus depletion and the dietary calcium: phosphorus ratio. *Diss. Abs.* 26(6):2953-2954. Dec.1965. 241.8 M58

Miscellaneous

- 38599 ARNOLD, G. W., MCMANUS, W. R., and DUDZINSKI, M. L. Studies in the wool production of grazing sheep. 3. Changes in efficiency of production. *Australian J. Exp. Agr. Anim. Husb.* 5(19):396-403. Ref. Nov.1965. 23 Au792
- 38600 CAPURRO, M. Considerations on the improvement of wool and its production. (Sp) *Ovina* 27(322):16-18,38. (Concl.) May 1965. 45.8 Ov4
- 38601 FIELD, R. A. Meat industry urges lean lamb cuts for more consumer demand. *Wyo. Wool Grower* 38(10):16,18. Oct.1965. 280.38 W99
- 38602 LYONS, J. Considerations on the evolution of Argentina wool production. (Sp) *Ovina* 1965 (spec.issue):6-8,37. 45.8 Ov4
- 38603 MARTIN, C. A. Weighing an important aid in sheep research. *New Zeal. Meat Prod.* 10(4): 40. Jan.3,1966. 50.8 N48
- 38604 ROF CODINA, J. The wolf, enemy of sheep and horse corrals. (Sp) *Rev. Vet. Venezolana* 18(104):194-197. Mar.31,1965. 41.8 R3226
- 38605 RONNINGEN, K. Sammenheng mellom mengde, kjemisk innhold og smak i geitemjolk. Relationship between yield, chemical content and flavour in goat milk. *Norges Landbrukshogsk. Meld.* 44 (29):1-18. Ref. 1965. 104 N762M
English summary.
- 38606 VASIL'EV, N. A., GENKIN, P. B., and SHCHERBATYKH, M. A. Strizhka ovets i klassirovka shersti [Shearing of sheep and grading of wool]. *Moskva, Rossel'khozizdat*, 1965. 242 p. SF379.V3
- 38607 VISSER, C. J. We must make our voice heard, and in our fields continue to produce more and better wool. (Sp) *Ovina* 27(320/321):54-55,98-99. Mar./Apr.1965. 45.8 Ov4
Argentina.

SWINE

Breeds and Breeding

- 38608 ANDRIC, M., SIMIC, M., and KONCAR, L. The physiological and production characteristics of the imported stock of Swedish Landrace swine breed and its progeny on the test farm "Kamendin" in Voivodina. (Se) Savremena Poljoprivreda 13(4):333-342. Apr.1965. 21 P75
English summary.

- 38609 BRANNANG, E. Selection in swine breeding. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:114-127. 11 Sw34

- 38610 GABRIS, J. Study of the relation between the length of limbs and the carcass measurements of single body parts of the Czechoslovak Improved White swine breed of the meat-fat type. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(5):333-340. Ref. May 1965. 49.9 C33
English summary.

- 38611 GRAFEEVA, L. A. Aksai Black Spotted swine on the Chilik State Farm. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:38-41. 1963, pub.1964. 49.9 AL6T
Breeding.

- 38612 GREAT BRITAIN, PIG INDUSTRY DEVELOPMENT AUTHORITY. Progeny testing report, volume 7; details of boars completing progeny test during 1964. Lewes, 1965. 321 p. 46.9 N2195

- 38613 GREBEN', L. K., and SOROKINA, V. I. Utilization of the intravarietal heterosis in the linear development of the Ukrainian White Steppe swine breed. (Rus) Agrobiologiya 4:598-603. Aug.1965. 20 Ag822

- 38614 EIBL, K. Artificial insemination of pigs. (Ge) Berliner Munchener Tierarztl. Wochensch. 78 (23):457-458. Dec.1,1965. 41.8 B45
English summary.

- 38615 KHLEBOV, V. A. Some internal and economically profitable properties of Large White, Muroom and Landrace swine breeds. (Rus) Zhivotnovodstvo 1:64. Jan.1966. 49 Z6
Production of meat.

- 38616 LANGE, E. Selection and technique of raising; an inseparable binomial for the production of lean swine. (It) Suinicoltura 6(3/4):17-22. Mar./Apr.1965. 46.8 Su3

- 38617 MAJERCIK, P., and others. Main trends of the swine raising in Slovakia. (Cz) Pol'nohospodarstvo 11(12):865-876. 1965. 19.5 P752
V. Cupka, A. Karakoz, and J. Poltarsky, joint authors.
Chiefly breeding.

- 38618 MAJERCIK, P. Plodnost a reprodukcia prasnic [Fertility and reproduction of sows]. Bratislava, Slovenska Akademia Vied, 1965. 271 p. SF396.C95M3

- 38619 NOLAND, P. R., BROWN, C. J., and GIFFORD, W. Heritability of and genetic correlations among certain productivity traits in an inbred line of Poland China swine. Ark. Agr. Exp. Sta. Bull. 706, 19 p. Ref. Feb.1966. 100 Ar42
Statistical research chiefly on litter size and birth weight.

- 38620 PLIMPTON, R. F. Diethylstilbestrol implantation of male swine: effect during extended growth on carcass composition, muscle quality, and palatability. Diss. Abs. 26(7):3565. Jan. 1966. 241.8 M58

- 38621 PLOCEK, F. The heredity of some indices of the carcass value of the Czechoslovak Improved White swine. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):409-414. Ref. June 1965. 49.9 C33
English summary.

- 38622 RITZE, W. Change in selected slaughter performance traits of German Improved Landrace swine by meat swine breeding. (Ge) Arch. Tierzucht 8(4/6):405-417. Ref. 1965. 49 Ar23
English summary.

- 38623 ROHLOFF, D., and KOHRING, D. Report on the conservation of boar sperm in refrigerator temperatures with CO₂ saturated diluents. (Ge) Berliner Munchener Tierarztl. Wochensch. 78 (23):455-457. Ref. Dec.1,1965. 41.8 B45
English summary.

- 38624 ROYAL DUBLIN SOCIETY. Herd book of Irish Landrace pigs. Vol. 7. Dublin, 1965. 329 p. 46.9 R81H

- 38625 ROYAL DUBLIN SOCIETY. Herd book of Irish Large White pigs. Volume 61. Dublin, 1965. 219 p. 46.9 R81

- 38626 SILER, R., PLOCEK, F., and PAVLIK, J. Co-efficient of heredity of the Czechoslovak Improved White swine breed raised in Bohemia. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(6):399-408. Ref. June 1965. 49.9 C33
English summary.
Includes meat production.

- 38627 SUNDGREN, P. E. Swine judging in swine breeding trials. (Sw) Hushallningssallsk. Tidskr. 32(5):113-114. 1965. 11 H9522
Age, live weight and body fat.

- 38628 TOLEA, I. Hybridization in the breeding of swine. (Rum) Rev. Gosp. Agr. Stat 17(10):22-25. Oct.1965. 21 R32

- 38629 TOLEA, I. Importance of breeding swine on the basis of heredity or control of production. (Rum) Rev. Gosp. Agr. Stat 17(8):25-28. Aug.1965. 21 R32

- 38630 TRIEBLER, G. Results of inbred mating and inbred crossing of swine. (Ge) Arch. Tierzucht 8(4/6):463-474. Ref. 1965. 49 Ar23
English summary.

- Between German Improved Landrace and Cornwall.

- 38631 TRULSSON, G. Trends in swine breeding. (Sw) Hushallningssallsk. Tidskr. 32(5):103-105. 1965. 11 H9522

- 38632 VIDAL, P. J. C. Progeny testing of swine, 1955-1961. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(1):69-100. 1964. 41.8 P83
English summary.

- Landrace and Large White pigs at the Estacao Zootechnica Nacional.

- 38633 WILLEMS, C. M. Development of artificial insemination of swine. (Du) Neth. Cent. Comm. Toezicht Uitvoering Kunstmatige Inseminatie. Jaarverslag 4:46-52. 1965. 43.9 N38

Feeds and Feeding

- 38634 ANTUNES, V. S., and LINO NETO, A. P. Tallow for feeding swine. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(2):37-47. 1964. 41.8 P83
English summary.

- 38635 BARBER, R. S., BRAUDE, R., and MITCHELL, K. G. Studies on various potential growth stimulants for growing pigs with particular reference to their activity in supplementing that of copper sulphate. Brit. J. Nutr. 19(4): 575-579. 1965. 389.8 B773

- 38636 BEESON, W. M., and others. Nutritional value of high-lysine corn; a report on research with growing swine as well as rats. Feedstuffs 38 (10):7,86. Mar.12,1966. 286.81 F322

- R. A. Pickett, E. T. Mertz, G. L. Cromwell, and O. E. Nelson, joint authors.

- 38637 CORDUBAN, T. The fattening of swine under conditions of the effective concentration in state farms of the Suceava State Trust area. (Rum) Rev. Gosp. Agr. Stat. 16(6):24-25. June 1964. 21 R32

- 38638 CROMWELL, G. L., and others. Effect of frequency of feeding on performance and carcass characteristics of swine. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 202,5 p. Sept.1965. 100 In2Res
R. A. Pickett, J. R. Foster, and R. M. Peart, joint authors.
- 38639 FEHER, K. Fattening study means more effective swine fattening. (Hu) *Magyar Mezőgazdaság* 21(1):16-17. Jan.5,1966. 19 M27
- 38640 FILIPOVICH, E. G. Methionine and vitamin B₁₂ in rations of growing swine. (Rus) *Zhivotnovodstvo* 12:75-77. Dec.1965. 49 Z6
- 38641 FUGATE, W. H., and others. Effect of ration preparation on performance and occurrence of ulcers in growing-finishing swine. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 203,6 p. Sept.1965. 100 In2Res
R. A. Pickett, T. W. Perry, and T. M. Curtin, joint authors.
- 38642 HANDLIN, D. L., and others. Effect of feed restriction on finishing swine. *S. C. Agr. Exp. Sta. Circ.* 521,16 p. Ref. Nov.1965. 100 So8
W. C. Keese, G. C. Skelley, R. F. Wheeler, and W. P. Byrd, joint authors.
- 38643 HOFMANN, P. Feed and feeding technique in intensive raising of swine. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1772,1774. Nov.18,1965. 18 N39
- 38644 HOVORKA, F. The effect of different times of daily feeding on weight, consumption and digestion of feed during the fattening of swine. (Cz) *Zech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(1):25-30. Jan.1965. 49.9 C33
Russian and German summary.
- 38645 ISAJEV, F. Verification of dietary and nutritive effect of yeasts on the weight increase of swine and egg production of poultry. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(1):31-40. Ref. Jan.1965. 49.9 C33
Russian and German summary.
- 38646 JACOBSEN, K. A. Home produced grain or feed mixtures? (Da) *Landbonyt* 19(8):282-284, 286. Aug.1965. 11 L2322
Swine feeding.
- 38647 JOHNSON, R. A. Substitution rates and economic optima in corn-soybean meal rations for growing-finishing swine. *Diss. Abs.* 26(6):2949. Dec.1965. 241.8 M58
- 38648 KAPLAN, F. The effect of feeding of increased amounts of bulky feed during the economic administration of concentrated feed on the results of raising of swine. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(5):323-332. Ref. May 1965. 49.9 C33
English summary.
- 38649 KROENING, G. H. The sulfur amino acid requirement of the baby pig as affected by protein, choline and threonine levels. *Diss. Abs.* 26(6):2950. Dec.1965. 241.8 M58
- 38650 LINO NETO, A. P. Carob meal for feeding swine. (Por) *Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario* 32(2):49-69. Ref. 1964. 41.8 P83
English summary.
- 38651 LUCE, W. G., PEO, E. R., and HUDMAN, D. B. Availability of niacin in wheat for swine. *J. Nutr.* 88(1):39-44. Ref. Jan.1966. 389.8 J82
- 38652 MAYROSE, V. B. Effect of feeding levels on the reproductive performance of swine. *Diss. Abs.* 26(6):2951. Dec.1965. 241.8 M58
- 38653 MCBEE, J. L., ANDERSON, G. C., and ZINN, D. W. Carcass composition and growth performance of swine as affected by restricted nutrient allowance. *W. Va. Agr. Exp. Sta. Bull.* 513,17 p. Ref. June 1965. 100 W52
- 38654 NAVRATIL, B. The feeding effect of horsebeans in fattening of swine. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(12):899-910. Ref. Dec.1965. 49.9 C33
English summary.
- 38655 O'DONOVAN, P. B., and CURRAN, S. Dried beet pulp in pig-fattening rations. *Irish J. Agr. Res.* 4(2):179-187. Ref. Oct.1965. 10.5 Ir45
- 38656 PETRUKHIN, I. V. Effects of different dosage of copper on growth of baby pigs and sow. (Rus) *Khim. Sel'skom Khoz.* 4(2):59-63. Ref. Feb.1966. 385 K524
- 38657 PETRUKHIN, I. V. Role of zinc in nutrition of baby pigs. (Rus) *Khim. Sel'skom Khoz.* 3(8):56-61. Ref. Aug.1965. 385 K524
- 38658 PFENNIGER, K. New data in the feeding of fattening and breeding swine. (Ge) *Grüne* 93 (18):630-635. Apr.30,1965. 17 Sch9
Switzerland.
- 38659 PUACA, V., POP-CENIC, S., and VUCKOVIC, M. Oleandomycin in the rations for fattening swine. (Se) *Vet. Glas.* 19(10):773-777. 1965. 41.8 J93
English summary.
- 38660 RAITA, A. Fattening and raising swine for bacon. (Rum) *Rev. Gosp. Agr. Stat* 17(9):23-25. Sept.1965. 21 R32
- 38661 ROBISON, O. W., and DILLARD, E. U. Mixed rations for swine. *Res. Farming [N. C. Sta.]* 24(2):11. Autumn 1965. 100 N81R
- 38662 RUDENKO, N. P. Effect of proteins in feed on quality of meat. (Rus) *Zhivotnovodstvo* 12:69-73. Dec.1965. 49 Z6
Swine.
- 38663 SEWELL, R. F. Dried bakery product is satisfactory substitute for sugar in baby pig starter feeds. *Ga. Agr. Res.* 7(2):9-10. Fall 1965. 100 G295
- 38664 TODD, A. C. E., and DANIELS, L. J. Comparison between fish meal and two Queensland meat and bone meals in bacon pig production. *Australian J. Exp. Agr. Anim. Husb.* 5(19):404-409. Ref. Nov.1965. 23 Au792
- 38665 TOLYSBAEV, B. Examination of biochemical activity and amino acid composition of proteins of *Sarcina flava*. (Rus) *Alma-Ata. Zoovet. Inst. Tr.* 13:111-115. 1963, pub.1964. 49.9 AL6T
Used in feeding baby pigs and chicks.
- 38666 VERBICH, O. A. Effective use of sodium sulfates as supplement in silage for swine. (Rus) *Khim. Sel'skom Khoz.* 3(8):64-68. Ref. Aug. 1965. 385 K524
- 38667 VIDAL, P. J. C. Protein level in rations for meat swine; quantity and quality of protein to use. (Por) *Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario* 32(2):71-112. Ref. 1964. 41.8 P83
English summary.

Veterinary Medicine

- 38668 AFONSO, J. C. Erysipelothrix rhusiopathiae. (Por) *Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario* 32(3):69-89. Ref. 1964. 41.8 P83
English summary.
Study of cultures to be used for vaccines.
- 38669 AKULOV, A. V. Histological changes in African swine fever. 6 p. *Transl.* 14544
Translation from Vsesoyuznyi Institut Eksperimental'noi Veterinari. *Trudy* 29:209-216. 1962.
- 38670 ANDREEV, E. V., and KONOZENKO, P. A. Problem of active immunization of swine against foot-and-mouth disease. 5 p. *Transl.* 14553
Translation from Veterinariya 8:37-39. Aug. 1964.

- 38671 ARKHIPOV, N. I. Change in blood vessel porosity in the acute course of hog cholera. (Rus) Vop. Vet. Virusol. 1:291-297. Ref. 1964. 41.8 V89
- 38672 ARKHIPOV, N. I. Histochemical changes of nucleic acids in lymphoid organs in hog cholera. (Rus) Vop. Vet. Virusol. 1:285-290. 1964. 41.8 V89
- 38673 ARKHIPOV, N. I. Morphological and certain histochemical changes in ganglia of the peripheral nervous system in hog cholera. (Rus) Vop. Vet. Virusol. 1:281-284. 1964. 41.8 V89
- 38674 ASH, A. S. F., and TUCKER, J. F. Inhibition of ascaris muscle by gamma-aminobutyric acid: a possible new assay method. Nature [London] 209(5020):306-307. Ref. Jan.15,1966. 472 N21
From swine.
- 38675 BATTISTON, W. C. Swine raising—sows without milk. (Por) Rev. Criadores 36(431):70-72. Nov.1965. 43.8 R32
Poor lactation and diseases.
- 38676 BOROVOK, A. A., and EVSTRATOVA, A. M. Examination of osmotic resistance of blood erythrocytes of swine and cattle by a method of erythrograms. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 100:283-287. 1964. 20 M857
- 38677 BUCHNEV, K. N., and others. Hog cholera diagnosis with the aid of precipitation reaction in the agar gel. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:70-78. Ref. 1963, pub. 1964. 49.9 AL6T
V. N. Glebova, K. S. Omarov, V. S. Khitrov, T. P. Zharkova, A. N. Andreev, G. A. Lopatnikov, I. U. Uvaliev, and Z. P. Khanina, joint authors.
- 38678 BURTSEV, V. I., and others. Experiments in aerosol immunization for the control of hog cholera. (Rus) Vop. Vet. Virusol. 1:269-273. Ref. 1964. 41.8 V89
V. V. Chernyshev, A. E. Rafalovich, B. S. Putilov, V. I. Udovik, and O. F. Fisenko, joint authors.
- 38679 BYCHKOV, I. S. Concerning purification and concentration of hog cholera virus. (Rus) Vop. Vet. Virusol. 1:263-268. Ref. 1964. 41.8 V89
- 38680 DAHME, E. Some aspects of atherosclerosis in domestic swine. Soc. Roy. Zool. Anvers. Bull. 34:55-65. Ref. Mar.1964. 410.9 So193
- 38681 DAHME, E. G. Role and nature of lipids in the development of spontaneous arteriosclerosis in swine and dog. (Ge) Soc. Roy. Zool. Anvers. Bull. 37:45-54. Ref. May 1965. 410.9 So193
English summary.
- 38682 DALLAGO, W. Diarrhea in baby pigs. (Ge) Grune 93(53):1910-1911. Dec.31,1965. 17 Sch9
- 38683 DAMMERS, J. Verteringsstudies bij het varken, factoren van invloed op de vertering der voedercomponenten en de verteerbaarheid der aminozuren [Digestion studies with swine; factors influencing the digestion of the feed components and digestibility of amino acids]. Hoorn. Inst. Veevoedingsonderz. Verslag 1964, 152 p. Ref., p.131-142. 105.2 H762
English summary.
- 38684 DIENST, R. B., and VERMA, M. P. Isolation of Toxoplasma gondii from salivary glands and saliva of pigs with asymptomatic infections. Amer. J. Trop. Med. & Hyg. 14(4):558-560. July 1965. 448.8 Am326
- 38685 DOORNENBAL, H., and MARTIN, A. H. The evaluation of blood volume and total red cell mass as predictors of gross body composition in the pig. Can. J. Anim. Sci. 45(3):203-210. Ref. Dec.1965. 41.8 C163
- 38686 DRESSLER, J., and MACH, P. Celloscope 101 for the Price-Jones curve in pigs. (Ge) Berliner Munchener Tierarztl. Wochensch. 78(17):330. Sept.1,1965. 41.8 B45
English summary.
Erythrocyte study.
- 38687 EGOROVA, V. D., and ZUBCHENKOV, V. I. Treatment and prophylaxis of infectious atrophic rhinitis. 6 p. (TT 62-14851) Transl. 15017
Translation from Veterinariya 1:41-42. Jan. 1962.
Issued by CFSTI.
- 38688 EIKMEIER, H., and MAYER, H. The economic importance of enzootic pneumonia in pigs. (Ge) Berliner Munchener Tierarztl. Wochensch. 78(23):449-450. Dec.1,1965. 41.8 B45
English summary.
- 38689 ERCEGAN, M., and POPOVIC, M. A contribution to the value of Taylor's test in the diagnosis of hog cholera. (Se) Vet. Glas. 19(11):851-855. 1965. 41.8 J93
English summary.
- 38690 FULLER, M. F. The effect of environmental temperature on the nitrogen metabolism and growth of the young pig. Brit. J. Nutr. 19(4):531-546. 1965. 389.8 B773
- 38691 GLUKHOV, M. I. Testing precipitation reaction in agar gel for laboratory diagnosis of the Aujeszky's disease in swine. (Rus) Alma-Ata. Zoovet. Inst. Tr. 13:79-86. Ref. 1963, pub. 1964. 49.9 AL6T
- 38692 HARTWICH, J., and MULLER, U. On the isolation of swine mycoplasmas by means of the egg test and the plate culture. (Ge) Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 197(4):532-542. Ref. Oct.1965. 448.3 C33
English summary.
- 38693 HARTWIGK, H. Enzootic pneumonia in pigs is mycoplasmosis. (Ge) Berliner Munchener Tierarztl. Wochensch. 78(23):441-444. Ref. Dec.1,1965. 41.8 B45
English summary.
- 38694 HENDERICKX, H. On the absorption of vitamin B12-Co57 in the colon of the pig. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(2):777-780. 1965. 105.1 G344
English summary.
- 38695 HORMANN, F., PETER, W., and BOETTCHER, H. Efficiency testing with ultra sound in young sows. (Ge) Arch. Tierzucht 8(4/6):331-336. Ref. 1965. 49 Ar23
English summary.
Carcass grading.
- 38696 INFANTE MIRANDA, F. Intoxication by Ferula communis L. (Sp) Arch. Zootec. 14(53):25-54, map. Ref. Jan./Mar.1965. 49 Ar22
English summary.
Chiefly swine and sheep.
- 38697 JONES, A. S., and CADENHEAD, A. The nitrogen metabolism of the young pig. II. J. Sci. Food Agr. 16(1):38-42. Ref. Dec.1965. 382 So12
- 38698 JOUAN, P., and ROCABOY, J. C. Study of some enzymatic activities of the swine epiphysis. (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):591-594. 1965. 442.9 P21
- 38699 JOVANOVIĆ, V., and STOJANOVIĆ, Z. Study of blood groups of swine in Vojvodina. (Se) Stocarstvo 19(9/10):385-392. Sept./Oct.1965. 43.8 St6
English summary.
- 38700 KLEY, M., and MAYR, A. Microbiological survey of nasal swabs and lungs from pigs suffering from enzootic pneumonia. (Ge) Berliner Munchener Tierarztl. Wochensch. 78(23):444-448. Dec.1,1965. 41.8 B45
English summary.
- 38701 KOWALCZYK, T., and others. Stomach ulcers in farrowing gilts. Amer. Vet. Med. Ass. J. 148(1):52-62. Ref. Jan.1,1966. 41.8 Am3
B. A. Muggenburg, R. W. Smith, W. G. Hoekstra, N. L. First, and R. H. Grummer, joint authors.
- 38702 KRYUKOV, N. N., and others. Effect of various conditions of aeration on the time of survival of explants of the swine spleen. (Rus) Vop. Vet. Virusol. 1:60-66. Ref. 1964. 41.8 V89
F. V. Sushkov, N. R. Zorina, and Z. L. Sorvachev, joint authors.

- 38703 KULESKO, I. I., and SOBKO, A. I. Diagnostic value of tests of amylase and hemolytic activities of pancreas in hog cholera. (Rus) Vop. Vet. Virusol. 1:274-280. 1964. 41.8 V89
- 38704 LEU, G. Practice experience with foot-and-mouth-disease in swine populations. (Ge) Deut. Tierarztl. Wochenschr. 72(23):553-555. Dec.1,1965. 41.8 D482
English summary.
Virucidal effect of humic acid from peat moss.
- 38705 LOFVENBERG, S. Measurement of fat on living swine. (Sw) Hallands Lans Hushallnings-sallsk. Tidskr. 4:6-7. July 1965. 11 H152
By supersonic vibrations.
- 38706 LOVEDAY, R. K. When the pigs are ill. Farming S. Afr. 41(8):54-63. Nov.1965. 24 So842
- 38707 MCLOUGHLIN, J. V. Studies on pig muscle. 4. pH₁ values in the longissimus dorsi muscle of pigs killed under commercial conditions. Irish J. Agr. Res. 4(2):151-160. Ref. Oct. 1965. 10.5 Ir45
- 38708 METIANU, T., LUCAS, A., and ATANASIU, P. Aujeszky's disease of swine in France. (Fr) Inst. Pasteur. Ann. 110(1):135-139. Jan.1966. 448.3 An75
English summary.
- 38709 MIKHAILOV, S. K., and others. Use of cultivated hog cholera virus for the preparation of vaccines and hyper-immune sera. I-IV. (Rus) Vop. Vet. Virusol. 1:233-256. Ref. 1964. 41.8 V89
V. A. Sergeev, E. V. Sorvackev, V. I. Zhestev, V. V. Okuneva, E. S. Malakhova, M. M. Somin, N. I. Arkhipov, and A. A. Synsyukin, joint authors.
- 38710 MILIC, D., and others. Parakeratosis of swine at a large farm for fattening swine. (Se) Vet. Glas. 19(10):793-795. 1965. Vet. Glas. 19(10):793-795. 1965. 41.8 J93
I. Rajic, T. Nedeljkovic, D. Jovanovic and M. Milosevic, joint authors.
English summary.
- 38711 MILOSAVLJEVIC, S., PAVLOVIC, S., and SOVLJANSKI, B. Comparative study of the effect of age and weight of baby pigs on their temperature. (Se) Vet. Glas. 19(10):769-772. Ref. 1965. 41.8 J93
English summary.
- 38712 MILOSAVLJEVIC, S., PAVLOVIC, S., and SOVLJANSKI, B. The effect of weight at farrowing on temperature of baby pigs. (Se) Vet. Glas. 19(11):840-843. Ref. 1965. 41.8 J93
English summary.
- 38713 NATHANS, I. Some observations on the immunisation of pigs against foot- and mouth disease with vaccines containing inactivated virus. (Du) Tijdschr. Diergeneesk. 90(23):1579-1590. Dec.1,1965. 41.8 T431
English summary.
- 38714 NIKOLAEVA, V. V. Concerning etiology of infectious atrophic rhinitis of swine. (Rus) Vop. Vet. Virusol. 1:554-557. 1964. 41.8 V89
- 38715 NORDSTOGA, K. Thrombocytopenic purpura in baby pigs caused by maternal isoimmunization. Pathol. Vet. 2(6):601-610. 1965. 41.8 P27
- 38716 OSIDZE, D. F. Rhinoscopy in swine influenza. (Rus) Vop. Vet. Virusol. 1:453-458. 1964. 41.8 V89
- 38717 OSIDZE, D. F. Sensitivity of certain tissues, cultivated in vitro, to the swine influenza virus. (Rus) Vop. Vet. Virusol. 1:459-467. Ref. 1964. 41.8 V89
- 38718 PALMER, W. M., TEAGUE, H. S., and VENZKE, W. G. Histological changes in the reproductive tract of the sow during lactation and early postweaning. J. Anim. Sci. 24(4):1117-1125. Ref. Nov.1965. 49 J82
- 38719 PFAU, A. The exchangeable potassium content of growing swine. (Ge) Ghent. Landbouwhogesch. Mededel. 30(2):699-707. Ref. 1965. 105.1 G344
- 38720 PILCHARD, E. I. Hog cholera lesions in swine given modified vaccine. Amer. Vet. Med. Ass. J. 148(1):48-51. Ref. Jan.1,1966. 41.8 Am3
- 38721 POND, W. G., KROOK, L., and BROWN, W. R. Experimental induction of atrophic rhinitis in pigs through nutrition. Feedstuffs 38(6):48-49, 62. Feb.12,1966. 286.81 F322
Importance of calcium and phosphorus in diet.
- 38722 SADOVSKII, N., and KUTEPOV, YU. Organization of work at mass castration of swine. (Rus) Sel'skokhoz. Proizv. Urala 9:47-48. Sept.1965. 281.8 Se45
- 38723 SCHULZE, W., NOBIS, U., and RUNDFELDT, H. Breathing, pulse and temperature of pigs after movement, and period of time before original values returned. (Ge) Berliner Munchener Tierarztl. Wochenschr. 78(23):450-455. Dec.1,1965. 41.8 B45
English summary.
- 38724 SIMON, A. M. Is castration of male slaughter swine necessary? (Fl) Land- Tuinbouw Jaarboek 20:141-145. 1965. 13 L22
- 38725 SMIRNOV, A. M. Organic preparation GPS and its application. (Rus) Veterinariya 10:58-60. Oct.1964. 41.8 V6426
Includes treatment of baby pigs for bronchopneumonia and degenerative condition.
- 38726 SMIRNSVA, G. A., and ZHDANOV, V. M. Composition and physicochemical characteristics of the Sendai virus. (Rus) Veterinariya 9:12-16. Ref. Sept.1964. 41.8 V6426
In swine.
- 38727 SUSHKOV, F. V., OSIDZE, D. F., and PANTEELEE, YU. V. Change in the size of cell nuclei of tissue culture of the swine embryo kidney in the infection with viruses of influenza and the hemagglutinating virus of Japan. (Rus) Vop. Vet. Virusol. 1:468-476. Ref. 1964. 41.8 V89
- 38728 SYURIN, V. N., and others. Sensitivity to the influenza virus of tissue culture of the swine embryo kidney. (Rus) Vop. Vet. Virusol. 1:477-488. Ref. 1964. 41.8 V89
D. F. Osidze, Yu. V. Pantelev, and F. V. Sushkov, joint authors.
- 38729 SZABO, I. Control of winter piglet diseases. (Hu) Magyar Mezogazdasag 21(2):19-20. Jan.12,1966. 19 M27
- 38730 TOLLERZ, G. Studies on the tolerance to iron in piglets and mice with special reference to vitamin E, synthetic antioxidants, and sodium-selenite. Stockholm, 1965. 126 p. Ref. SF97.T6
Akademisk Avhandling-Veterinarhogskolans, Stockholm.
- 38731 UHRIN, V., and BUNTOVA, H. A contribution to the location of the neutral fat in the liver of swine after the application of biostimulant Fillex. (Cz) Pol'nohospodarstvo 11(12):905-911. Ref. 1965. 19.5 P752
English summary.
- 38732 VARELA, M. C., and CRUZ, A. A. Liver flukes in swine in Portugal. (Por) Port. Dir. Geral Serv. Pecuarios. Bol. Pecuario 32(3):183-188. 1964. 41.8 P83
English summary.
- 38733 WILKINSON, F. C. Pig-pox. West. Australia. Dep. Agr. J. (ser.4)6(9):567. Sept.1965. 23 W52J
- 38734 WITTIG, W. On the occurrence of K antigen 88(L) in Escherichia coli strains from swine. (Ge) Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 197(4):487-499. Ref. Oct.1965. 448.3 C33
English summary.
- 38735 ZIMMERMANN, W. J., and BRANDLY, P. J. The current status of trichiniasis in U.S. swine. Public Health Rep. 80(12):1061-1066. Ref. Dec.1965. 151.65 P96

Miscellaneous

- 38736 GERASCH, G. Relation between the physical form and fat and pork formation in swine. (Ge) Arch. Tierzucht 8(4/6):317-329. Ref. 1965. 49 Ar23
English summary.
- 38737 GREAT BRITAIN, PIG INDUSTRY DEVELOPMENT AUTHORITY. Eighth annual report and statement of accounts for the year ended 30th September 1965. London, 1965. 38 p. 46.9 G793
- 38738 GRIFFIN, S. A., and others. Tennessee Swine Testing Station. Tenn. Agr. Exp. Sta. Bull. 390, 24 p. May 1965. 100 T25S
E. R. Lidvall, J. W. Cole, and C. B. Ramsey, joint authors.
- 38739 HAMPE. Through production rings to production communities. I. (Ge) Unser Milchvieh 18(1):11-12. Jan.1966. 43.8 Un7
Swine.
- 38740 JACOBSEN, K. A. Cleaning of pigpens. (Da) Landbonyt 19(6):230-232. June 1965. 11 L2322
- 38741 KARE, M. R., POND, W. C., and CAMPBELL, J. Observations on the taste reactions in pigs. Anim. Behav. 13(2/3):265-269. Ref. Apr./July 1965. 410 B77
- 38742 JONG, S. DE, and LOOLJEN, G. Tests with various litters for fattening swine. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(8): 419-421. Aug.1965. 12 N383M
- 38743 KUPPELMAYR, E. Reflections on fattening performance testing of young sows. (Ge) Arch. Tierzucht 8(4/6):337-343. 1965. 49 Ar23
English summary.
- 38744 LUGONES, L. O. Extension. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 212:56-58. Aug. 1965. 9 Id3
In swine production in Argentina.
- 38745 MCMILLEN, W. R. The case for hog confinement. Farm Technol. 22(2):10-11. Feb.1966. 275.28 N213
Controlled environment housing for swine; costs of feeding.
- 38746 RQDE, F., and NEUMANN, F. The "Swine Control and Piglet Production Ring of Neustadt" [Schweinekontroll-und Ferkelerzeugerring Neustadt] is united with a production cooperative for fattening swine and piglet. (Ge) Unser Milchvieh 17(12):11-12. Dec.1965. 43.8 Un7
- 38747 TANDLER, K. Can the quality of pork be measurably improved in slaughtering? II. (Ge) Schlacht- Viehhof-Zeitung 65(6):246-248. June 1965. 286.85 D48
- 38748 THRASHER, D. M., FITZGERALD, A. D., and MULLINS, A. M. Performance of graded feeder pigs. La. Agr. 9(2):4-6. Winter 1965/66. 100 L939
- 38749 TSANOV, T. Group housing of sows. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:51-54. 1965. 20 M57
Bulgaria.
- 38750 ZANNINI, G. L. M. Swine in classic literature; the sacrifice of swine in the Aeneid and in "De Agricultura." (It) Suinicoltura 6(3/4):43-45. Mar./Apr.1965. 46.8 Su3

ENTOMOLOGY

GENERAL

- 38751 ADVANCES in acarology. Volume II. Edited by John A. Naegele. Ithaca, 1965. 174 p. Ref. 434.8 Ad9
- 38752 ANNUAL review of entomology, volume 11, edited by R. F. Smith and T. E. Mittler. Palo Alto, 1966. 596 p., map. Ref. 421 An72
Includes Cumulative indexes, vol. 2-11.
- 38753 BIEZANKO, C. M. DE. Lista das publicacoes de C. M. Biezanko. C. M. Biezanko's list of publications. Entomologia. Entomology. Curitiba, Vicentina, 1964. 6 p. 241.74 B47
- 38754 ENTOMOLOGICAL SOCIETY OF ONTARIO. Proceedings, volume ninety-five, 1964, edited by D. M. Davies. Toronto, 1965. 160 p., map. Ref. 420 On8
- 38755 EVANS, J. W. The future of natural history. Austral. J. Sci. 28(3):105-112. Ref. Sept. 1965. 475 Au72
Chiefly entomological aspects.
- 38756 FREEMAN, T. N. A lepidopterous leaf-mine from the Tertiary Period. Can. Entomol. 97 (10):1069-1070. Oct. 1965. 421 C16
Canada.
- 38757 KUNTZ, S. E., YOUNG, J. H., and FLORA, N. W. 4-H Club entomology workbook, Unit 1. Okla. State Univ. Ext. Circ. E-766, 20 p. Nov. 1965. 275.29 Ok41C
- 38758 LEVEQUE, R. The technique of entomology. (Fr) Natur. Mons Borinage. Bull. 47(1/3):2-5. Jan./Mar. 1964. 410.9 N212
- 38759 OREGON ENTOMOLOGICAL SOCIETY. Membership list—January 1966. Oreg. Entomol. Soc. Bull. 23:173-176. Feb. 7, 1966. 420 Or32
- 38760 PARMENTER, L. Entomological pins. Entomol. Rec. J. Variation 77(10):238. Oct. 1965. 421 En89
- 38761 RIVAS, L. R. A proposed code system for storage and retrieval of information in systematic zoology. Syst. Zool. 14(2):131-132. June 1965. 410 Sy8
Applicable to all phyla of animals, including Arthropoda.
- 38762 WELCH, H. E. Some impressions of entomology in the U.S.S.R. Entomol. Soc. Ontario. Proc. 95:20-22. 1964, pub. 1965. 420 On8
Teaching aspects.

ECONOMIC

General

- 38763 AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. Recommendations for insect control in Alabama, 1964-65, by F. S. Arant, M. H. Bass, R. S. Berger, G. H. Blake, J. R. Buttram, T. D. Canerday, W. G. Eden, K. L. Hays, L. L. Hyche, R. J. Ledbetter, H. F. McQueen, A. M. Pearson, and T. F. Watson. Auburn, 1964. 124 p. 275.29 AL14R
Alabama Agricultural Experiment Station, and Auburn University, School of Agriculture, cooperating.
- 38764 BAZZI, B., and others. Thin layer chromatographic determination of ethyl 0,0-dimethyl-dithiophosphoryl-1-phenyl acetate in both technical and its 50% liquid formulation. Ass. Offic. Agr. Chem. J. 48(6):1118-1120. Ref. Dec. 1965. 381 As7
R. Santi, M. Radice, and R. Fabbrini, joint authors.
- 38765 BLACKMAN, R. L. Studies on specificity in Coccinellidae. Ann. Appl. Biol. 56(2):336-338. Oct. 1965. 442.8 An72
Adalia bipunctata and Coccinella septempunctata to aphid prey in natural control.
- 38766 BOND, C. E. Endangered plants and animals of Oregon. I. Fishes. Oreg. Agr. Exp. Sta. Spec. Rep. 205, 8 p., map. Jan. 1966. 100 Or3M
Insecticide hazard mentioned briefly.
- 38767 CAMPBELL, J. K. The establishment of laboratory colony of the tomato hornworm *Protoparce quinquemaculata* Haw. (Lepidoptera: Sphingidae). Entomol. Soc. Ontario. Proc. 95: 143-146. 1964, pub. 1965. 420 On8
- 38768 CHANG, S. M. A discussion on the line of demarcation of the Palearctic and Oriental regions east of Chinling based on the knowledge of the distribution of some agricultural insects. (Ch) Acta Entomol. Sinica 14(4):411-419. 1965. 421 K96
English summary.
- 38769 CHATTERJEE, P. N., and SINGH, P. Mermithid parasites and their role in natural control of insect pests. Indian Forest. 91(10):714-721. Ref. Oct. 1965. 99.8 In2
Includes list of food plants.
- 38770 CUNAT, P. Organic tin compounds and their possible application as insecticides. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):293-296. July/Sept. 1965. 389.8 R324
- 38771 CZECH, F. P. Rapid quantitative vatside check test for chlorinated hydrocarbons in aqueous emulsions: methoxychlor, DDT, dieldrin, and chlordane. Ass. Offic. Agr. Chem. J. 48(8): 1121-1122. Dec. 1965. 381 As7
- 38772 DICK, C. V. The front line; our war against harmful agricultural pests is engaged on many fronts. Calif. Dep. Agr. Bull. 54(1):3-7. 1965. 2 C12M
- 38773 EAST AFRICAN SOCIETY FOR BIOLOGICAL RESEARCH. The application of biological research to the development of East Africa. J. Appl. Ecol. 2(2):403-417. Nov. 1965. 410 J828
Abstracts of papers of its second symposium. Includes insects as plant pests and vectors of disease.
- 38774 ELLIS, J., and BATES, J. Determination of DDVP in DDVP-Dipterex formulations by gas chromatography. Ass. Offic. Agr. Chem. J. 48 (6):1115-1117. Dec. 1965. 381 As7
- 38775 FAHMY, M. A. H., and others. Effect of deuteration, fluorination, and other structural modifications of the carbamyl moiety upon the anticholinesterase and insecticidal activities of phenyl N-methylcarbamates. J. Agr. Food Chem. 14(1):79-83. Ref. Jan./Feb. 1966. 381 J8223
R. L. Metcalf, T. R. Fukuto, and D. J. Hennessey, joint authors.
- 38776 FLORES SANCHEZ, F. Factors affecting the latent toxicity of aldrin, DDT, and heptachlor to resistant and susceptible strains of the house fly. Diss. Abs. 26(6):2945-2946. Dec. 1965. 241.8 M58
- 38777 GAR, K. A. New insecticides and their application. (Rus) Khim. Sel'skom Khoz. 4(2):44-49. Feb. 1966. 385 K524
- 38778 GEIER, P. W. Management of insect pests. Annu. Rev. Entomol. 11:471-490. Ref. 1966. 421 An72
Includes application of population ecology.
- 38779 GEORGE, J. A., and HOWARD, M. G. A waxed-paper laboratory cage for sterilization studies with the Oriental fruit moth, *Grapholitha molesta* (Busck) (Lepidoptera: Tortricidae). Entomol. Soc. Ontario. Proc. 95:146-147. 1964, pub. 1965. 420 On8
- 38780 GEORGHIOU, G. P., and others. The present status of housefly resistance to insecticides in California. Calif. Agr. 19(10):8-10, map. Oct. 1965. 100 C12Cag
W. R. Bowen, E. C. Loomis, and A. S. Deal, joint authors.
- 38781 GILMORE, D. R., and CORTES, A. Dual-band preparative thin-layer chromatography for the separation of diazinon and related compounds from plant material. J. Chromatography 21(1): 148-149. Jan. 1966. 475 J824
Organophosphate insecticides and spinach plant extract.
- 38782 GOLDBERG, A. A., HEAD, S., and JOHNSTON, MRS. P. Action of heat on pyrethrum extract: the isomerisation of pyrethrins to isopyrethrins. J. Sci. Food Agr. 16(1):43-51. Ref. Dec. 1965. 382 So12

- 38783 GUTENMANN, W. H., and LISK, D. J. Gas chromatographic determination of phenolic pesticides and residues. *Ass. Offic. Agr. Chem. J.* 48(6):1173-1176. Dec.1965. 381 As7
- 38784 HAGLEY, E. A. C. Some new approaches to insect control. *Agr. Soc. Trinidad Tobago. J.* 65(3):365-367,369,371-373,375-379. Ref. Sept. 1965. 8 T73
- 38785 HELLE, W. Resistance in the Acarina: mites. *Advance. Acarology* 2:71-93. Ref. 1965. 434.8 Ad9
To insecticides.
- 38786 HOFF, J. G., and WESTMAN, J. R. Experiments with a dibrom malathion formulation as a selective piscicide. *N. Y. Fish Game J.* 12(1):99-107. Jan.1965. 410 N48
- 38787 HOLM, S. N. The utilization and management of bumble bees for red clover and alfalfa seed production. *Annu. Rev. Entomol.* 11:155-182. Ref. 1966. 421 An72
- 38788 HOMONNAY, F. Control of *Melolontha melolontha*. (Hu) *Magyar Mezogazdasag* 20(50):14. Dec.15,1965. 19 M27
Chiefly chemical at present.
- 38789 JACOBSON, M. Chemical insect attractants and repellents. *Annu. Rev. Entomol.* 11:403-422. Ref. 1966. 421 An72
Includes sex attractants and venom.
- 38790 JEPPSON, L. R. Principles of chemical control of phytophagous mites. *Advance. Acarology* 2:31-51. Ref. 1965. 434.8 Ad9
- 38791 KARG, W. Investigation of the effect of dinitroresol (DNOC) on the microarthropods of the soil with special consideration of the relation between microflora and mesofauna. (Ge) *Pedobiologia* 4(3):138-157. Ref. 1964. 56.8 P343
- 38792 KATO, M. Synergistic action of Sevin with p-chlorophenyl p-chlorobenzenesulfonate. *Botyu-Kagaku* 30(3):67-72. Ref. Aug.1965. 421 B65
- 38793 KENNEDY, J. S. Mechanisms of host plant selection. *Ann. Appl. Biol.* 56(2):317-322. Ref. Oct.1965. 442.8 An72
- 38794 KIMURA, T., and KEEGAN, H. L. Toxicity of some insecticides and molluscicides for the Asian blood sucking leech, *Hirudo nipponia* Whitman. *Amer. J. Trop. Med. Hyg.* 15(1):113-115. Jan.1966. 448.8 Am326
- 38795 KOIVISTONEN, P., and others. Disappearance of pesticide residues: hydrolysis of malathion in aqueous solutions and its volatilization, migration, and metabolism in plants. In *Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides*, p.95-129. Ref. 1964. 464.40 H36
E. H. Koskinen, A. Karinpaa, and M. Kononin, joint authors.
Tested with fruit and vegetables and P³² labelled malathion.
- 38796 KOVACEVIC, Z. Does lowered dosage of insecticides in pest control have more practical value? (Ge) *Anz. Schadlingskunde* 38(4):51-53. Ref. Apr.1965. 421 An9
Includes effects on beneficial insects and in integrated control.
- 38797 LAKSHMINARAYANA, V. Estimation of malathion by oxidation with Chloramine-T. *J. Agr. Food Chem.* 14(1):55-56. Jan./Feb.1966. 381 J8223
- 38798 LAWRENCE, W. H., HAYS, K. L., and GRAHAM, S. A. Arthropodous ectoparasites from some northern Michigan mammals. *Mich. Univ. Mus. Zool. Occas. Pap.* 639:1-7. Feb.11, 1965. 410 M582
- 38799 LECOMTE, J. Study of nutritional interchanges in the ant *Formica polyctena* by means of radioisotopes. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):1029-1034. 1965. 105.1 G344
With a view to using it in biological control.
- 38800 MADSEN, H. F. Changing concepts in pest control. *Can. Agr. Chem. Ass. [Proc.]*, 13th Annu. Meeting Conf.:62-68. 1965. 381 C163
Includes biological and integrated control of insects.
- 38801 MAETA, Y., and KITAMURA, T. Studies on the apple pollination by *Osmia*. II. Characteristics and underlying problems in utilizing *Osmia [cornifrons]*. (Ja) *Kontyu* 33(1):17-34. Ref. Mar.1965. 421 K833
English summary.
- 38802 MANNINGER, G. A. Mass increase of insects and the weather. (Hu) *Magyar Mezogazdasag* 21(1):12-13. Jan.5,1966. 19 M27
- 38803 MARDZHANYAN, G. M., KANKANYAN, A. G., and UST'YAN, A. K. On the causes of mass reproduction of mites injurious to plants treated with organic chlorinated insecticides. (Rus) *Akad. Nauk Arm. SSR. Izv. Biol. Nauk.* 18(8):10-21. Ref. Aug.1965. 20 Er4
Effect of DDT and tetradifon on the oviposition and fertility of *Tetranychus urticae*.
- 38804 MATSUMURA, F., and O'BRIEN, R. D. Insecticide mode of action: absorption and binding of DDT by the central nervous system of the American cockroach [*Periplaneta americana*]. *J. Agr. Food Chem.* 14(1):36-39. Ref. Jan./Feb.1966. 381 J8223
- 38805 MATSUMURA, F., and O'BRIEN, R. D. Insecticide reaction with nerve: interactions of DDT with components of American cockroach [*Periplaneta americana*] nerve. *J. Agr. Food Chem.* 14(1):39-43. Ref. Jan./Feb.1966. 381 J8223
- 38806 MCCLANAHAN, R. J. Sterilization of the carrot rust fly [*Psila rosae*] by irradiation with cesium. *Can. Entomol.* 97(10):1042-1045. Oct.1965. 421 C16
- 38807 MCFADDEN, M. W., and RUBIO, R. E. P. Compounds affecting the reproductive capacity of the Mexican fruit fly [*Anastrepha ludens*]. *U. S. Agr. Res. Serv. ARS-33-108*, 5 p. Oct. 1965. A420 R31
Chemosterilants.
- 38808 MCMULLEN, R. D. The symptoms and histopathology of poisoning by maneb in *Oncopeltus fasciatus* (Dallas). *Can. Entomol.* 97(11):1200-1208. Ref. Nov.1965. 421 C16
- 38809 MESSENGER, P. S. Utilization of native natural enemies in integrated control. *Ann. Appl. Biol.* 56(2):328-330. Ref. Oct.1965. 442.8 An72
- 38810 MILNE, A. Pest ecology and integrated control. *Ann. Appl. Biol.* 56(2):338-341. Oct. 1965. 442.8 An72
- 38811 MORRIS, R. F. Contemporaneous mortality factors in population dynamics. *Can. Entomol.* 97(11):1173-1184. Ref. Nov.1965. 421 C16
Statistical research methods in insect population studies.
- 38812 MORRIS, R. F. Note on control of the European earwig, *Forficula auricularia* L., in Newfoundland with traps and attractants. *Can. Entomol.* 97(10):1075-1076. Oct.1965. 421 C16
- 38813 MUNTING, J. F. Danger of forgotten insecticides. *New Zeal. J. Agr.* 111(7):63. Dec.1965. 23 N48J
- 38814 NEELY, J. M. DDT-resistant *Aedes aegypti* in Thailand. *Mosquito News* 25(3):344. Sept. 1965. 421 M85
- 38815 NISHIZAWA, Y., and others. 3'-5'-diesters of 5-fluoro-2'-deoxyuridine: synthesis and biological activity. *Biochem. Pharmacol.* 14(11):1605-1619. Ref. Nov.1965. 396.8 B52
J. E. Casida, S. W. Anderson, and C. Heidelberger, joint authors.
Includes effects on reproduction of insects.
- 38816 NORRIS, J. R. *Bacillus thuringiensis* in insect control. *Ann. Appl. Biol.* 56(2):335. Oct. 1965. 442.8 An72
Chiefly lepidopterous larvae.
- 38817 O'BRIEN, R. D. Mode of action of insecticides. *Annu. Rev. Entomol.* 11:369-402. Ref. 1966. 421 An72
- 38818 ODINTSOV, V. S. Only insecticides? No, also chemosterilants. (Rus) *Priroda [Moscow]* 12:72-75. 1965. 410 P933
For control of insects and ticks.

- 38819 O'NEILL, D. K., and ALEXANDER, A. E. Physico-chemical studies of pesticides. IV. Solubilised pesticides. *J. Sci. Food Agr.* 16(12):750-759. Ref. Dec.1965. 382 So12 Insecticides.
- 38820 OSMUN, J. V., and BRAM, R. A. Insects and other arthropods of economic importance in Indiana in 1964. *Ind. Acad. Sci. Proc.* 74:207-218, map. 1964, pub.1965. 500 In2
- 38821 OPALICKI-MARKOVINOVIC, K. Resistance of caterpillars of the pine processionary moth (*Thaumetopoea pityocampa* Schiff.) to endrin and pantakan. (Se) *Sumarski List* 89(1/2):71-75. Jan./Feb.1965. 99.8 Su6 English summary.
- 38822 OSSIANILSSON, F. Insects in the epidemiology of plant viruses. *Annu. Rev. Entomol.* 11:213-232. Ref. 1966. 421 An72
- 38823 OTT, D. E., and GUNTHER, F. A. DDD as a decomposition product of DDT. *Residue Rev.* 10:70-84. Ref. 1965. 389.9 R314 Literature review.
- 38824 OVERMEER, W. P. J. Intersterility as a consequence of insecticide selections in *Tetranychus urticae* Koch (Acari: Tetranychidae). *Nature [London]* 209(5020):321. Jan.15,1966. 472 N21 Genetics and insecticide resistance.
- 38825 PADDOCK, W. C. The challenge of pest control in the developing nations. *Nat. Res. Coun. Agr. Res. Inst. Proc.*, 14th Annu. Meeting:175-182. 1965. 4 N2122
- 38826 PETERSON, D. G. An entomological assignment in Ghana. *Entomol. Soc. Ontario. Proc.* 95:18-20. 1964, pub.1965. 420 On8 To study resistance to insecticides of mirid cocoa pests.
- 38827 PHELPS, J. M., HASTINGS, J. R., and GAMMON, J. R. The effect of pesticides on the bluegill (*Lepomis macrochirus*) in a northern Indiana Lake. *Ind. Acad. Sci. Proc.* 74:379-385. 1964, pub.1965. 500 In2
- 38828 PLATE, A. F., and PRYANISHNIKOVA, M. A. Synthesis and properties of bicyclo-(2,2,1)-heptadiene-2,5 as intermediate product for production of insecticides aldrin and dieldrin. (Rus) *Zhur. Prikladnoi Khim.* 38(9):2072-2078. Ref. Sept.1965. 385 Z64
- 38829 QUOILIN, J. Permanent breeding of *Daphnia magna* Strauss (Cladocera Daphnidae) in laboratory. (Fr) *Gembloux. Inst. Agron. Etat. Bull.* 33(1):138-145. 1965. 105.1 G285 English summary. For insecticide tests.
- 38830 READ, D. C. Tests for inheritance of dieldrin-resistance in the cabbage maggot, *Hylemya brassicae* (Bouche). *Entomol. Soc. Ontario. Proc.* 95:128-132. 1964, pub.1965. 420 On8
- 38831 RUSSELL, G. E. Some effects of resistance to organophosphorus insecticides in *Myzus persicae* (Sulz.) on the transmission of beet yellowing viruses. *Bull. Entomol. Res.* 56(1):191-196. Oct.1965. 421 B87
- 38832 SHALABY, A. M. Studies on the age composition of *Anopheles culicifacies* populations in India at different phases of development of resistance to DDT. *Entomol. Soc. Amer. Ann.* 58(6):918-923, map. Ref. Nov.1965. 420 En82
- 38833 SLYKHUIS, J. T. Mite transmission of plant viruses. *Advn. Virus Res.* 11:97-137. Ref. 1965. 448.8 Ad9
- 38834 SMITH, E. H., and SALKELD, E. H. The use and action of ovicides. *Annu. Rev. Entomol.* 11:331-368. Ref. 1966. 421 An72
- 38835 SMITH, K. M. Plant virus vector relationships. *Advn. Virus Res.* 11:61-96. Ref. 1965. 448.8 Ad9 Includes insects, mites and fungi.
- 38836 STELL, G. Survey of plant pests in the Caribbean. *Caribbean Food Crops Soc. Proc.*, 2d Annu. Meeting:129-133. 1964. 64.9 C19
- 38837 STEWART, W. W. A., and MCKINLAY, K. S. Dissimilarity of heptachlor-resistance in life-stages of the turnip maggot, *Hylemya floralis* (Fall.) (Diptera: Anthomyiidae). *Can. Entomol.* 97(11):1166-1170. Nov.1965. 421 C16
- 38838 STORM, R. M. Endangered plants and animals of Oregon. II. Amphibians and reptiles. *Oreg. Agr. Exp. Sta. Spec. Rep.* 206, 12 p., map. Jan. 1966. 100 Or3M Insecticide hazard mentioned briefly.
- 38839 SYMPOSIUM on microbial insecticides. I-V. *Bacteriol. Rev.* 29(3):364-405. Ref. Sept.1965. 448.3 B13 I, Bacterial pathogens of insects as microbial insecticides, by T. A. Angus; II, Milky disease of the Japanese beetle [*Popillia japonica*], by R. A. Rhodes; III, Fungal parasites of insects and nematodes, by D. Pramer; IV, Diseases of invertebrates other than insects, by E. A. Steinhaus; V, Immunity in insects, by A. M. Heimpel and J. C. Harshbarger.
- 38840 SYMPOSIUM on some approaches towards integrated control of British insect pests. *Ann. Appl. Biol.* 56(2):315-350. Ref. Oct.1965. 442.8 An72 Issued as proceedings of the Association of Applied Biologists, at meeting held in April 1965. Introductory remarks, by V. Wigglesworth.
- 38841 TERRIERE, L. C., and others. The persistence of toxaphene in lake water and its uptake by aquatic plants and animals. *J. Agr. Food Chem.* 14(1):66-69. Jan./Feb.1966. 381 J8223 U. Kiigemagi, A. R. Gerlach, and R. L. Borovicka, joint authors.
- 38842 TSUKAMOTO, M. The estimation of recombination values in backcross data when penetrance is incomplete, with a special reference to its application to genetic analysis of insecticide-resistance. *Jap. J. Genet.* 40(3):159-171. Ref. June 1965. 442.9 J27 *Musca domestica*.
- 38843 WATTS, R. R. 4-(p-nitrobenzyl) pyridine, a new chromogenic spray reagent for the organophosphate pesticides. *Ass. Offic. Agr. Chem. J.* 48(6):1161-1163. Ref. Dec.1965. 381 As7
- 38844 WHITEHEAD, G. B. Resistance in the *Acarina*: ticks. *Advance. Acarology* 2:53-70. Ref. 1965. 434.8 Ad9 To insecticides.
- 38845 WILKINSON, C., METCALF, R. L., and FUKUTO, T. R. Some structural requirements of methylenedioxyphenyl derivatives as synergists of carbamate insecticides. *J. Agr. Food Chem.* 14(1):73-79. Ref. Jan./Feb.1966. 381 J8223
- 38846 ZUBAIRI, M. Y. Detoxication of dimetilan in cockroaches and houseflies. *Diss. Abs.* 26(7):3620. Jan.1966. 241.8 M58 *Blattella germanica*, *Periplaneta americana* and *Musca domestica*.

Medical and Veterinary Pests

- 38847 ANDERSON, R. J. The responsibilities of veterinary practitioners as to the use of pesticides; talk before the Regulatory Section of the American Veterinary Medical Association, Portland, Oregon, July 14, 1965. Washington, U. S. Agr. Res. Serv., 1965. 6 p. A31.3 Ar2 Chiefly insecticides for livestock pest control.
- 38848 AXTELL, R. C. A better way. *Res. Farming [N. C. Sta.]* 24(2):4-5. Autumn 1965. 100 N81R Study of mites (macrochelids) as enemy of the house fly; and of the Tar Heel eye gnat problem (*Hippelates*).
- 38849 BALDWIN, W. F. Entomology in Venezuela. *Entomol. Soc. Ontario. Proc.* 95:15-16. 1964, pub.1965. 420 On8 Chiefly control of *Rhodnius prolixus*, vector of Chagas' disease, with insecticides.

- 38850 BARATOV, S. Kozhnoovodovaya bolezni' krupnogo rogatogo skota i bor'ba s nei [Hypoderma in cattle and its control]. Dushanbe, Irton, 1965. 46 p. SF967.W3B3
- 38851 BAY, E. C., and ANDERSON, L. D. Chironomid control by carp and goldfish. Mosquito News 25(3):310-316. Sept. 1965. 421 M85
Chiefly Chironomus plumosus.
- 38852 BOERO, J. J., and KLUSAS DE BOEHRINGER, I. Reflections on a new case of Pediculus mjobergi in the howling monkey Alouata caraya. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):87-98. Ref. 1963, pub. 1965. 9 B863
- 38853 BROOKS, G. D., SCHOOF, H. F., and SMITH, E. A. Effectiveness of various dosages of dichlorvos against Aedes aegypti in cisterns, St. Thomas, V. I. Mosquito News 25(3):334-338. Sept. 1965. 421 M85
- 38854 BRUMPT, L. C., and POULET, J. Observation in Paris of a case of subcutaneous myiasis due to Dermatobia [hominis] and contracted in Guiana. (Fr) Soc. de Path. Exot. B. 58(1):88-92. Jan./Feb. 1965. 448.9 So13
English summary.
- 38855 CHENG, T. H., HOWER, A. A., and SPRENKEL, R. K. Oil-based and water-based ciodrin sprays for fly control on dairy cattle. J. Econ. Entomol. 58(5):910-913. Oct. 1965. 421 J822
Musca autumnalis, Stomoxys calcitrans, and Haematobia irritans in Pennsylvania.
- 38856 CLARK, G. M., LUTZ, A. E., and FADNESS, L. Observations on the ability of Haemogamasus liponyssoides Ewing and Ornithonyssus bacoti Hirst (Acarina, Gamasina) to retain eastern equine encephalitis virus: preliminary report. Amer. J. Trop. Med. Hyg. 15(1):107-112. Ref. Jan. 1966. 448.8 Am326
- 38857 COLLINS, W. E., HARRISON, A. J., and JUMPER, J. R. Infection and transmission studies with eastern encephalitis virus and Anopheles albimanus and A. quadrimaculatus. Mosquito News 25(3):296-300. Sept. 1965. 421 M85
- 38858 COLLINS, W. E., HARRISON, A. J., and JUMPER, J. R. Infection and transmission thresholds of eastern encephalitis virus to Aedes aegypti as determined by a membrane feeding technique. Mosquito News 25(3):293-295. Sept. 1965. 421 M85
- 38859 CUFF, R. L. Practical grub control programs prove profitable. Gulf Coast Cattleman 31(12):6,8. Feb. 1966. 43.8 G95
Insecticidal control of Hypoderma.
- 38860 DAVIES, H. The eradication of tsetse in the Chad river system of northern Nigeria. J. Appl. Ecol. 1(2):387-403, map. Ref. Nov. 1964. 410 J828
Glossina tachinoides and G. morsitans submorsitans.
- 38861 DRUMMOND, R. O., WHETSTONE, T. M., and ERNST, S. E. Control of cattle grubs [Hypoderma] with coumaphos applied by sprayer and spray-dip machine. J. Econ. Entomol. 58(5):1017-1018. Oct. 1965. 421 J822
- 38862 THE ERADICATION OF Aedes aegypti in the United States: a symposium, New York 1964. Amer. J. Trop. Med. & Hyg. 14(6):885-912, map. Ref. Nov. 1965. 448.8 Am326
Presented at the annual meeting of American Society of Tropical Medicine and Hygiene. Introduction by A. W. Donaldson.
- 38863 FALLIS, A. M. Protozoan life cycles. Amer. Zool. 5(1):85-94. Ref. Feb. 1965. 410 Am3
Insects hosts and transmission.
- 38864 FORD, I. M., MENN, J. J., and MEYDING, G. D. Metabolism of N-(mercaptomethyl)-phthalimide-carbonyl-C¹⁴-S-(O,O-dimethyl-phosphorodithioate) (Imidan-C¹⁴): balance study in the rat. J. Agr. Food Chem. 14(1):83-86. Ref. Jan./Feb. 1966. 381 J8223
Insecticide.
- 38865 GAINES, T. B., HAYES, W. J., and LINDER, R. E. Liver metabolism of anticholinesterase compounds in live rats—relation to toxicity. Nature [London] 209(5018):88-89. Jan. 1, 1966. 472 N21
Toxicity of Isolan, dichlorvos and parathion.
- 38866 GOLOVNEVA, L. F. Isolation of Dermoglyphus minor (Nörner, 1882) Trouessart 1886 from poultry on territory of Belorussia. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(7):495-496. July 1965. 511 M663D
- 38867 GOUCK, H. K. Protection from ticks, fleas, chiggers, and leeches. Arch. Dermatol. 23(1):112-113. Jan. 1966. 448.8 Ar242
Repellents.
- 38868 HARRISON, D. L. Recent experiments on the residue problem. Ruakura Farmers' Conf. Week. Proc. 1965:26-33. 49.9 R82
Relationship between sheep grazing on DDT treated pastures and residues in depot fat including biopsy techniques. Includes discussion.
- 38869 HARTSOUGH, G. R. Material for controlling flesh fly. Fur Trade J. Can. 42(9):5. May 1965. 410 F965
Use of ronnel for minks.
- 38870 HASSAN, A., ZAYED, S. M. A. D., and HASSHISH, S. Metabolism of organophosphorus insecticides. VI. Mechanism of detoxification of Dipterex in the rat. Biochem. Pharmacol. 14(11):1692-1694. Nov. 1965. 396.8 B52
- 38871 HOOGSTRAAL, H. Ticks in relation to human diseases caused by viruses. Annu. Rev. Entomol. 11:261-308. Ref. 1966. 421 An72
- 38872 HURLBUT, H. S. Arthropod transmission of animal viruses. Advn. Virus Res. 11:277-292. Ref. 1965. 448.8 Ad9
- 38873 IIDA, T., KAWASHIMA, H., and KAWAMURA, A. Direct immunofluorescence for typing of tsutsugamushi disease rickettsia. J. Immunol. 95(6):1129-1133. Ref. Dec. 1965. 448.8 J8232
Trombiculid mites as vectors.
- 38874 IRUNBERRY, J., and PILO-MORON, E. Enhancement of the antigenic activity of scorpion venom (Androctonus australis) by means of various adjuvants. (Fr) Inst. Pasteur Algerie. Arch. 42:38-44. Ref. 1964. 448.3 In7A
English summary.
Tested in rabbits; Polyvinylpyrrolidone, wool fat and mineral oils as adjuvants.
- 38875 JAKOB, W. L. Laboratory tests of larvicides for mosquito control in potable waters. Mosquito News 25(3):316-319. Sept. 1965. 421 M85
- 38876 KASAI, T. Genetical and biochemical studies on joint action of insecticides. Botyu-Kagaku 30(3):73-91. Ref. Aug. 1965. 421 B65
Tested on Musca domestica and Drosophila melanogaster.
- 38877 KRISHNA, J. G. Metabolism and persistence of methyl-carbamate-C¹⁴ insecticides in mammals. Diss. Abs. 26(7):3998-3999. Jan. 1966. 241.8 M58
- 38878 LIU, H., LENG, H. F., and YANG, P. H. Studies on selective organophosphorus insecticides: chemical structure and biological activity of acethion analogs. (Ch) Acta Entomol. Sinica 14(4):339-346. Ref. 1965. 421 K96
English summary.
Effects on Musca domestica vicina.
- 38879 MCBEAN, W. K. Prevention of blowfly strike in sheep. New Zeal. J. Agr. 111(7):29, 31. Dec. 1965. 23 N48J
Chemical control of Calliphora stygia, Lucilia sericata, and Chrysomia rufifacies.
- 38880 MESSERSMITH, D. H. Culicoides (Diptera: Ceratopogonidae) associated with poultry in Virginia. Mosquito News 25(3):321-324. Ref. Sept. 1965. 421 M85
In connection with vectors of avian infectious synovitis.
- 38881 MINCULESCU, M., and others. Investigations on tick-borne encephalitis in a focus in Moldavia. Rev. Roumaine Inframicrobiol. 2(3):269-273. 1965. 448.3 R323
N. Draganescu, G. Popescu, F. Popovici, G. Godja, L. Romascanu, and P. Sava, joint authors.
- 38882 MULHERN, T. D., and ROBINSON, E. C. Two useful vehicles. Mosquito News 25(3):319-321. Sept. 1965. 421 M85
In mosquito control.

- 38883 NOAKES, D. N. The carcinogenicity of insecticide-sprayed tobacco in mice. Food Cosmet. Toxicol. 3(2):305-310. Ref. Aug.1965. 391.8 F73
Dimethoate.
- 38884 NOAKES, D. N., and BENFIELD, C. A. Tissue accumulation of DDT and its metabolites in the domestic fowl. J. Sci. Food Agr. 16(12):693-697. Ref. Dec.1965. 382 So12
- 38885 ORDMAN, D. Desensitization against the effect of bee-stings: a consideration of the principles, techniques and results. Int. Arch. Allergy Appl. Immunol. 28(6):366-376. Ref. 1965. 448.8 In8
- 38886 RAMALINGAM, S. The mosquito fauna of Samoa and Tonga and its relation to subperiodic Bancroftian filariasis. Diss. Abs. 26(7):4133-4134. Jan.1966. 241.8 M58
- 38887 RICH, G. B. Systemic treatments for control of cattle grubs *Hypoderma* spp. in an isolated range herd. Can. J. Anim. Sci. 45(3):165-172. Ref. Dec.1965. 41.8 C163
Trolene and Ruelene control of *Hypoderma bovis* and *H. lineata*.
- 38888 RIEK, R. F. The cattle tick [*Boophilus microplus*] and tick fever. Australian Vet. J. 41(7):211-216. July 1965. 41.8 Au72
- 38889 RIOUX, J. A., and others. The use of lindane dispersed by thermal aerosol helicopter for the control of mosquitoes. (Fr) Inst. Pasteur Tunis. Arch. 41(2):157-169. Ref. June 1964. 448.3 In72
G. Gras, H. Croset, and B. Juminer, joint authors.
To control *Aedes detritus* and *A. caspius*.
- 38890 ROBERTS, J. E. Insecticides as mineral additives for control of horn flies [*Haematobia irritans*] and cattle grubs [*Hypoderma lineatum*]. Ga. Agr. Res. 7(2):5-6. Fall 1965. 100 G295
Coumaphos, phenothiazine, and ronnel.
- 38891 ROBERTS, R. H. A steer-baited trap for sampling insects affecting cattle. Mosquito News 25(3):281-285. Sept.1965. 421 M85
Chiefly Diptera.
- 38892 ROTHSCCHILD, M. Fleas. Sci. Amer. 213(6):44-53. Dec.1965. 470 Sci25
Host animal relations; chiefly rabbit fleas.
- 38893 ROTOV, V. I., and others. Poultry tick-Dermanyssus gallinae-as vector of the Newcastle disease virus. (Rus) Vop. Vet. Virusol. 1:397-400. 1964. 41.8 V89
N. T. Litvrishko, G. V. Dunaev, A. P. Goncharov, E. N. Nazarenko, and S. M. Dashkevich, joint authors.
- 38894 SHELLENBERGER, T. E., BRIDGMAN, R. M., and NEWELL, G. W. In vivo inhibition of rabbit whole blood cholinesterase following intravenous infusion of a diethyl organophosphate inhibitor [SD-1652] and reactivation with 2-PAM. Life Sci. 4(20):1973-1979. Oct.1965. 442.8 L62
Diethyl analog of DDVP.
- 38895 SMITH, A. A verandah-trap hut for studying the house-frequenting habits of mosquitoes and for assessing insecticides. I. A description of the verandah-trap hut and of studies on the egress of *Anopheles gambiae* Giles and *Mansonia uniformis* (Theo.) from an untreated hut. Bull. Entomol. Res. 56(1):161-167. Oct.1965. 421 B87
- 38896 SOLLERS-RIEDEL, H. References to literature of interest to mosquito workers and malarialogists. Mosquito News 25(3):350-359. Sept.1965. 421 M85
- 38897 SPENCE, L., and others. Nepuyo virus, a new group C agent isolated in Trinidad and Brazil. Amer. J. Trop. Med. Hyg. 15(1):71-74. Ref. Jan.1966. 448.8 Am326
C. R. Anderson, T. H. G. Aitken, and W. G. Downs, joint authors.
From *Culex accelerans*.
- 38898 SPENCER, M. Malaria in the D'Entrecasteaux Islands, Papua, with particular reference to *Anopheles farauti* Laveran. Linn. Soc. N. S. Wales. Proc. 90(1):115-127. 1965. 514 Sy2
- 38899 SPENCER, M. A note on blood preferences of *Anopheles farauti*. Linn. Soc. N. S. Wales. Proc. 90(1):128. 1965. 514 Sy2
- 38900 STRAUSS, W. G., and others. Observations on biting behavior of *Aedes aegypti* (L.). Mosquito News 25(3):272-276. Ref. Sept.1965. 421 M85
H. I. Maibach, A. A. Khan, and T. R. Pearson, joint authors.
- 38901 SVESHNIKOVA, A., and TARKHANEV, P. Control of warble flies of cattle. (Rus) Sel'skokhoz. Proizv. Urala 9:48-49. Sept.1965. 281.8 Se45
Hypoderma control with trichlorometaphos-3.
- 38902 SYMPOSIUM OF THE BRITISH SOCIETY FOR PARASITOLOGY, 3, LONDON, 1964. Evolution of parasites, edited by A. E. R. Taylor. Oxford, 1963. 133 p. Ref. 436.9 B77
Includes arthropods as vectors.
- 38903 TAYLOR, R. M., and others. Arboviruses isolated from Argas ticks in Egypt: Quarantil, Chenuda, and Nyamanini. Amer. J. Trop. Med. Hyg. 15(1):76-86. Ref. Jan.1966. 448.8 Am326
H. S. Hurlbut, T. H. Work, J. R. Kingston, and H. Hoogstraal, joint authors.
From *Argas arboreus* and *A. reflexus hermanni*.
- 38904 TAYLOR, R. M., HOOGSTRAAL, H., and HURLBUT, H. S. Isolation of a virus (Wad Medani) from *Rhipicephalus sanguineus* collected in Sudan. Amer. J. Trop. Med. Hyg. 15(1):75. Jan.1966. 448.8 Am326
- 38905 THORNBERRY, H. Eradication of the ox warble fly in Ireland. Amer. Vet. Med. Ass. J. 147(12):1593-1599. Dec.15,1965. 41.8 Am3
Dyvon and trichlorfon control of *Hypoderma bovis* and *H. lineatum*.
- 38906 TURCEK, F. J. Food consumption in the European ground squirrel, with some remarks on the effects of toxaphene. Ann. Zool. 4(8):65-72. Ref. Jan.1,1964. 410 An78
- 38907 VAN DER SAR, A., and VINKE, B. Investigation into the occurrence of *Trypanosoma cruzi* in Curacao. Trop. Geogr. Med. 17(3):225-228. Sept.1965. 448.8 D65
Transmitted by *Triatoma maculata*.
- 38908 VEGA, J. Foot lice [*Linognathus pedalis*] of sheep. (Sp) Ganad. Andina Voz Vet. 14(2):11-13. Second Third 1964. 49 G156
English summary.
- 38909 WASHINGTON STATE UNIVERSITY. EXTENSION SERV. Poultry pests and their control. Wash. State Univ. Ext. E. M. 2533,4 p. Mar.1965. 275.29 W27Mi
With insecticides.
- 38910 WENGL, J. Zur Frage der Frühsommer-Meningo-Encephalitis (FSME) in Österreich. On the problem of spring-summer-encephalitis (TBE) in Austria. Mitt. Forstl. Bundes-Versuchsanst. Mariabrunn 67,88 p.,map. Ref. 1965. 99.8 M69
English summary.
Study of the extent of danger forest personnel and forest workers are exposed to the tick-transmitted disease.
- 38911 WRIGHT, C. G., and BRUCE, W. G. Common fleas and their control. N. C. Univ. Ext. Folder 239,4 p. Sept.1965. 275.29 N811 Ex
Chemical control on dogs, cats, and poultry.
- Pests of Field and Truck Crops
- 38912 ARAGON G., J. H. Microbiological control of pests (larvae of Lepidoptera) in the cotton plant (*Gossypium hirsutum* L.) by the use of the entomophagous bacterium *Bacillus thuringiensis* Berliner. (Sp) Acta Agron. [Palmira] 14(1/4):103-224. Ref.,p.170-189. 1964,pub.1965. 9.4 Ac8
English summary.

- 38913 BANTTARI, E. E. Grass hosts of aster yellows virus. *Plant Dis. Rep.* 50(1):17-21. Jan. 1966. 1.9 P69P
Macrosteles fascifrons, as vector, in Minnesota; includes barley and wheat.
- 38914 BENNETT, C. W. Partial or complete restriction of two mosaic viruses to parenchyma tissue. *Plant Dis. Rep.* 49(5):375-377. May 15, 1965. 1.9 P69P
Cucumber mosaic virus in sugarbeet, and beet mosaic virus in New Zealand spinach in California; green peach aphid (*Myzus persicae*) as vector.
- 38915 BIRKS, P. R. Pea weevil [*Bruchus pisorum*]—a new insect of peas in South Australia. *S. Australia J. Agr.* 69(5):156-160. Dec. 1965. 23 So84
Chemical control.
- 38916 BLUM, A. Screening of sorghum varieties for resistance to *Atherigona varia*, and a preliminary investigation into the nature of this resistance. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 503,22 p. Ref. Aug. 1965. 107 R26
English summary.
- 38917 BOWDEN, J. Sorghum midge, *Contarinia sorghicola* (Coq.), and other causes of grain-sorghum loss in Ghana. *Bull. Entomol. Res.* 56(1):169-189, map. Ref. Oct. 1965. 421 B87
- 38918 BOWLING, C. C., and HUDGINS, H. R. The effect of insecticides on the selectivity of propa-nil on rice. *Weeds* 14(1):94-95. Jan. 1966. 79.8 W41
- 38919 BOZA BARDUCCI, T. Experiences on the use of biological control and methods of integrated control of cotton pests in the Canete Valley. (Sp) Vida Agr. [Lima] 42(498):219-229, 231, 233-240. Ref. May 1965. 9.8 V66
- 38920 BRAM, R. A. The alfalfa weevil *Hypera postica* (Gyll.) a new economic pest of alfalfa in Indiana. *Ind. Acad. Sci. Proc.* 74:194. 1964, pub. 1965. 500 In2
- 38921 BYKOVA, E. P. Sugar beet flea beetles. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:262-266. 1964. 464.9 L542S
Chemical control of *Chaetocnema*, *Phyllotreta* and *Phylliodes*.
- 38922 CAMPBELL, W. V. Flame treatment. *Res. Farming [N. C. Sta.]* 24(2):8. Autumn 1965. 100 N81R
For alfalfa weevil (*Hypera postica*).
- 38923 CARBALLO LOPEZ, R., and MUNOZ VELEZ, A. The eggs of *Heliothis* spp. (Lep. Noctuidae) in the Palmira cotton zone. (Sp) *Acta Agron. [Palmira]* 14(1/4):1-22. 1964, pub. 1965. 9.4 Ac8
English summary.
Biological control with *Cycloneda sanguinea*, *Brachyacantha bistripustulata*, and *Orius* spp.
- 38924 CHIANG, H. C., and HOLDAWAY, F. G. Relationships between plant height and yield of field corn as affected by the European corn borer [*Ostrinia nubilalis*]. *J. Econ. Entomol.* 58(5):932-938. Oct. 1965. 421 J822
Midwestern States.
- 38925 CHIYKOWSKI, L. N. Transmission of clover phyllody virus by the leafhopper, *Paraphlepsius irroratus* (Say). *Can. Entomol.* 97(11):1171-1173. Nov. 1965. 421 C16
- 38926 CLOWER, D. F., and others. New seed treatment controls cotton seedling pests. *La. Agr.* 9(2):10-11. Winter 1965/66. 100 L939
D. R. Melville, L. W. Sloane, and S. A. Phillips, joint authors.
Systemic insecticides, phorate and Di-Syston against thrips and aphids.
- 38927 COAKER, T. H. Further experiments on the effect of beetle predators on the numbers of the cabbage root fly, *Erioischia brassicae* (Bouche), attacking brassica crops. *Ann. Appl. Biol.* 56(1):7-20. Ref. Aug. 1965. 442.8 An72
Carabidae and Staphylinidae in untreated and dieldrin treated plots.
- 38928 CONROY, R. J. The effect of time of infection by tomato yellow top virus on flower formation, fruit set, and yield tomatoes. *Australian J. Exp. Agr. Anim. Husb.* 5(17):176-179. May 1965. 23 Au792
Macrosiphum euphorbiae as vector.
- 38929 COX, R. S. The role of potato-Y virus in tomato production in south Florida. *Plant Dis. Rep.* 49(12):1018. Dec. 1965. 1.9 P69P
Myzus persicae as vector.
- 38930 CURTIS, B. C., SCHLEHUBER, A. B., and MOORE, C. L. F1 monosomic analysis of resistance in common wheat to the greenbug (*Schizaphis graminum* Rond.). *Wheat Inform. Serv.* 19/20:12. Mar. 1965. 463.69 W56
- 38931 DAUGHERTY, D. M., and BRETT, C. H. Niti-dulidae associated with sweet corn in North Carolina, and influences affecting their damage to this crop. *N. C. Agr. Exp. Sta. Tech. Bull.* 171,40 p. Ref. Jan. 1966. 100 N81
- 38932 DAVID, W. A. L. The granulosus virus of *Pieris brassicae* L. in relation to natural limitation and biological control. *Ann. Appl. Biol.* 56(2):331-334. Ref. Oct. 1965. 442.8 An72
- 38933 DAVIS, A. C., and MCEWEN, F. L. Control of the cabbage maggot, *Hylemya brassicae*, on radish with insecticides. *J. Econ. Entomol.* 58(5):947-949. Ref. Oct. 1965. 421 J822
New York.
- 38934 DUNN, J. A., and COAKER, T. H. Rational control of vegetable crop pests. *Ann. Appl. Biol.* 56(2):342-345. Ref. Oct. 1965. 442.8 An72
Reducing crop damage to an acceptable amount, chiefly by use of insecticides.
- 38935 ERLICH, S. Pasture cockchafer, *Aphodius tasmaniae* Hope, in Victoria; biology, economic importance and control. *J. Agr. [Melbourne]* 63(12):547-550, map. Dec. 1965. 23 V66J
- 38936 FENEMORE, P. G., and PERROTT, D. C. F. Field trials in 1963 on the control of grass grub (*Costelytra zealandica* (White)) with insecticides. *New Zeal. J. Agr. Res.* 8(4):832-844. Nov. 1965. 23 N4892
- 38937 GLUKHOVA, O. I., and DYACHENKO, N. P. Protection of potato crops against Colorado potato beetle in private and collective gardens. (Rus) *Khim. Sel'skom Khoz.* 3(10):67-69. Oct. 1965. 385 K524
DDT and polychloroprene in control of *Lep-tinotarsa decemlineata*.
- 38938 GOBLE, H. W. The armyworm *Pseudaletia unipuncta* (Haworth) in Ontario in 1964. *Entomol. Soc. Ontario. Proc.* 95:11-14. 1964, pub. 1965. 420 On8
Includes control on oats and barley.
- 38939 GONZALEZ, D., and RAWLINS, W. A. Lettuce mosaic spread by winged aphids. *Farm Res. [N. Y. Sta.]* 31(2):12-13. July/Sept. 1965. 100 N48A
Chiefly peach aphids (*Myzus persicae*).
- 38940 GOULD, G. E. The threat of the Japanese beetle to Indiana crops. *Ind. Acad. Sci. Proc.* 74:196. 1964, pub. 1965. 500 In2
- 38941 GREENAWAY, W. T., NEUSTADT, M. H., and ZELENY, L. A test for stinkbug damage in wheat. *Cereal Chem.* 42(6):577-579. Nov. 1965. 59.8 C33
Eurygaster and Aelia.
- 38942 GUSEINOV, D. G. Application of DDT mixtures with some herbicides against cotton pests. (Rus) *Khim. Sel'skom Khoz.* 7:33-36. July 1965. 385 K524
Tetradifon and methyl demeton against *Heliothis armigera* and *Tetranychus telarius*.
- 38943 HARRIS, E. D. Adjuvants in sprays for insect control on sweet corn. *Fla. Entomol.* 48(3):147-153. Sept. 1965. 420 F662
Wetting agent Triton X-100 with DDT for *Hyperodes humilis* control.
- 38944 HARRIS, E. D. Wireworm control on sweet corn in organic soils. *Fla. Entomol.* 48(3):207-211. Sept. 1965. 420 F662
Chemical control of *Conoderus falli* and *Melanotus communis* in Florida.

- 38945 HASSAN, A., ZAYED, S. M. A. D., and ABDEL-HAMID, F. M. Metabolism of organophosphorus insecticides. V. Mechanism of detoxification of Dipterex in *Prodenia litura* F. Biochem. Pharmacol. 14(11):1577-1584. Ref. Nov.1965. 396.8 B52
- 38946 HILDEBRAND, E. M. Adaptation of the abutilon whitefly [*Trialeurodes abutilonea*] for laboratory use. Plant Dis. Rep. 49(5):429-432. Ref. May 15,1965. 1.9 P69P
Biology and ecology of this vector of sweet-potato yellow dwarf virus in Maryland.
- 38947 HILDEBRAND, E. M. Susceptibility of sweet-potato varieties to yellow dwarf. Plant Dis. Rep. 49(5):425-428. May 15,1965. 1.9 P69P
Trialeurodes abutilonea, as vector in Maryland.
- 38948 HITCHCOCK, B. E. Investigations on "wart eye" affecting germination of plant cane. Queensland Soc. Sugar Cane Technol. Proc., 31st Conf.:171-174. 1964. 65.9 Q332
The possibility of mites as vectors, causing injuries to the plant.
- 38949 HULL, R. Control of sugar beet yellows. Ann. Appl. Biol. 56(2):345-347. Oct.1965. 442.8 An72
By controlling aphid vectors.
- 38950 ILIC, B., and VUJANIC, N. A contribution to the study of control of pea weevil [*Bruchus pisorum* L.] in fields. (Se) Zastita Bilja 84:191-198. 1965. 464.8 Z1
English summary.
- 38951 IMPENS, R., FRANCOIS, E., and RIGA, A. Radioisotopes in animal ecology. I. Experiences on the marking of aphid vectors of beet yellows. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2): 1109-1015. Ref. 1965. 105.1 G344
- 38952 JOHNSTONE, G. R. Hop nettlehead; field spread and effect on yield. Tasmanian J. Agr. 36(4):277-279. Nov.1965. 23 T182T
Includes insects as vectors.
- 38953 JONES, M. G. The effects of some insecticides on populations of frit fly (*Oscinella frit*) and its enemies. J. Appl. Ecol. 2(2):391-401. Ref. Nov.1965. 410 J828
DDT and parathion.
- 38954 JONES, R. J. The use of cyclodiene insecticides as liquid seed dressings to control bean fly (*Melanagromyza phaseoli*) in species of *Phaseolus* and *Vigna* marina in south-eastern Queensland. Australian J. Exp. Agr. Anim. Husb. 5(19):458-465. Ref. Nov.1965. 23 Au792
- 38955 JUDENKO, E. The assessment of economic effectiveness of pest control in field experiments. PANS (Pest Articles News Sum) Sect. A. Insect Contr. 11(3):359-368. Aug.1965. 423.92 G798
Supplementary notes, by C. G. Johnson and G. Ordish, p. 366-368.
- 38956 KERSHAW, W. J. S. The spread of yellows viruses in sugar beet. Ann. Appl. Biol. 56(2): 231-241. Ref. Oct.1965. 442.8 An72
Myzus persicae and *Aphis fabae*, vectors.
- 38957 KING, R. L., CLARK, N. A., and HEMKEN, R. W. Distribution, movement, and persistence of heptachlor and its epoxide in alfalfa plants and soil. J. Agr. Food Chem. 14(1):62-65. Ref. Jan./Feb.1966. 381 J8223
- 38958 KLISIEWICZ, J. M. Identity of viruses from safflower affected with necrosis. Plant Dis. Rep. 49(6):541-545. Ref. June 15,1965. 1.9 P69P
Lettuce and alfalfa mosaic viruses in California and Arizona; *Myzus persicae* as vector for lettuce and safflower.
- 38959 KLUN, J. A. Role of 6-methoxybenzoxazolinone (6MBOA) in maize inbred resistance to first brood European corn borer. Diss. Abs. 26(6): 3544. Dec.1965. 241.8 M58
Ostrinia nubilalis.
- 38960 KOMAROVA, O. S. Caradrina. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:95-96. 1964. 464.9 L542S
Pest of field crops.
- 38961 KOMAROVA, O. S. Carmine spider mite as pest of cotton. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:244-246. 1964. 464.9 L542S
Chemical control of *Tetranychus urticae*.
- 38962 KOVTUN, I. V. Dates for chemical control of Colorado potato beetle [*Leptinotarsa decemlineata*] in the western part of Polesye and forest-steppe zone of Ukrainian SSR. (Rus) Khim. Sel'skom Khoz. 1:30-34. Jan.1965. 385 K524
- 38963 KRUPSKII, N. K., and KRASNOPOL'SKAYA, L. F. Effects of chlor-organic insecticides on nitrogen fixation by legumes. (Rus) Khim. Sel'skom Khoz. 4:34-35. Apr.1965. 385 K524
Benzene hexachloride and heptachlor in control of weevils on peas.
- 38964 LEGGE, J. Granular systemic aphicides - and their application. Rhodesian Tobacco J. 17(9): 25,27. Sept.1965. 69.8 R34
Chiefly disulfoton and menazon granulated insecticides.
- 38965 LOGINOVA, K. M., and EFIMOVA, L. F. Application of Rogor against Elateridae on corn. (Rus) Khim. Sel'skom Khoz. 4(2):2-5. Feb. 1966. 385 K524
- 38966 MAKAROV, M., MANNINGER, G. A., and MESZAROS, Z. Cooperation of specialists of Bulgaria and Hungary in the control of *Heliothis maritima*. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:16-19, map. 1965. 20 M57
As pest of alfalfa.
- 38967 MANGAT, B. S. The corn earworm, *Heliothis zea* (Boddie), as an insect of local origin in southern Wisconsin. Diss. Abs. 26(7):3561. Jan.1966. 241.8 M58
- 38968 MASSACHUSETTS, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Pest control chart for tobacco fields, 1965. n.p., 1965. chart. 275.29 M381Pf
Connecticut Agricultural Extension Service, and Connecticut and Massachusetts Agricultural Experiment Stations, cooperating.
Chiefly chemical control.
- 38969 MATSUMOTO, S., and others. Effect of soil treatment by some systemic insecticides at planting time on potato aphid and leafroll virus spread. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 88:65-70. Dec.1965. 107.6 H68
N. Oshima, S. I. Imabayashi, and R. Sato, joint authors.
English summary.
Macrosiphum euphorbiae.
- 38970 MUELLER, W. C. Viruses of leguminous forage crops in Rhode Island. Plant Dis. Rep. 49 (9):750-752. Sept.1965. 1.9 P69P
Alfalfa mosaic virus, white clover mosaic virus, and bean yellow mosaic virus; *Myzus persicae* as vector.
- 38971 NAGASAWA, S., SHINOHARA, H., and SHIBA, M. Sterilizing effect of Dowco-186 on the azuki bean weevil, *Callosobruchus chinensis* L., with special reference to the hatchability of the eggs deposited by treated weevils. (Ja) Botyu-Kagaku 30(3):91-95. Aug.1965. 421 B65
English summary.
- 38972 OKAMOTO, D., and others. Studies on the use of the wide reach sprayer for the control of the rice stem borer. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. A, 10:71-84. Dec.1964. 107.6 H572H
T. Koshihara, Y. Abe, and H. Inoue, joint authors.
English summary.
Control of *Chilo suppressalis*.
- 38973 ORENSKI, S. W., MURRAY, J. R., and MARA-MOROSCH, K. Further studies on the feeding habits of aster yellows virus-carrying corn leafhoppers [*Dalbulus maidis*]. Boyce Thompson Inst. Contrib. 23(3):47-50. Ref. July/Sept. 1965. 451 B69
Isotope uptake from ^{32}P -labelled *Callistephus chinensis*.

- 38974 OSHEROVA, M. N. Aftereffect of phosphor- and chlororganic preparations on *Tetranychus telarius*. (Rus) Khim. Sel'skom Khoz. 3(9):33-36. Ref. Sept.1965. 385 K524
On beans; controlled with demeton and DDT.
- 38975 OU, S. H., and others. Virus nature of "penyakit merah" disease [red disease] of rice in Malaysia. Plant Dis. Rep. 49(9):778-782, map. Ref. Sept.1965. 1.9 P69P
C. T. Rivera, S. J. Navaratnam, and K. G. Goh, joint authors.
Nephotettix impecticeps, as vector.
- 38976 PERROTT, D. C. F., SHORLAND, F. B., and CZOCHANSKA, Z. Susceptibility to DDT of larvae of *Costelytra zealandica* (White) in relation to their fat content. New Zeal. J. Agr. Res. 8(4):853-858. Nov.1965. 23 N4892
- 38977 PERROTT, D. C. F., and ELLIOTT, R. Techniques for the investigation of susceptibility to insecticides in larvae of the Scarabaeid *Costelytra zealandica* (White). New Zeal. J. Agr. Res. 8(4):845-852. Nov.1965. 23 N4892
Pest of grasses.
- 38978 POLIVKA, J. B. Control of the cornfield ant, *Lasius alienus* (Forster). Ohio. Agr. Res. Develop. Center. Res. Circ. 143, 7 p. Dec.1965. 100 Oh3R
- 38979 POVEDA B., D., and SCHWITZER D., A. Biological study of *Prodenia ornithogalli* Guen. and *Prodenia sunia* (Guen.) on three hosts. (Sp) Acta Agron. [Palmira] 14(1/4):71-101. Ref. 1964, pub.1965. 9.4 Ac8
English summary.
Cotton and the weeds *Amaranthus dubius* and *Portulaca oleracea* in cotton fields.
- 38980 RACE, S. R. Predicting thrips [*Frankliniella occidentalis*] populations on seedling cotton. J. Econ. Entomol. 58(5):1013-1014. Oct.1965. 421 J822
- 38981 RADCLIFFE, E. B., and CHAPMAN, K. The relative resistance to insect attack of three cabbage varieties at different stages of plant maturity. Entomol. Soc. Amer. Ann. 58(6):897-902. Nov.1965. 420 En82
Pieris rapae, *Trichoplusia ni*, and *Plutella maculipennis*.
- 38982 RADCLIFFE, E. B., and CHAPMAN, R. K. Seasonal shifts in the relative resistance to insect attack of eight commercial cabbage varieties. Entomol. Soc. Amer. Ann. 58(6):892-897. Nov.1965. 420 En82
- 38983 REED, W. *Heliothis armigera* (Hb.) (Noctuidae) in western Tanganyika. II. Ecology and natural and chemical control. Bull. Entomol. Res. 56(1):127-140. Oct.1965. 421 B87
Pest of field crops.
- 38984 REICHART, G. Comprehensive study on the pea-weevil (*Bruchus pisorum* L.) and its control. (Hu) Kiserletugyi Kozlemenyek 57/A(3): 149-168. Ref. 1964, pub.1965. 105.9 H89
English summary.
Chiefly with Wofatox.
- 38985 SAFAROV, A. A., STOLYAROV, M. V., and TSYPLENKO, V. E. P. Grasshoppers. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 22:64-75. 1964. 464.9 L542S
Pests of field crops; includes control.
- 38986 SAZONOVA, I. V., and KOZLOVA, K. I. Effect of benzene hexachloride on pea aphid and metabolism of other insects. (Rus) Khim. Sel'skom Khoz. 4(2):33-35. Ref. Feb.1966. 385 K524
Acyrtosiphon pisum.
- 38987 SHEPHERD, R. J., and TILL, B. B. Effect of strains of the beet mosaic virus on the yield of sugarbeets. Plant Dis. Rep. 49(12):961-963. Dec.1965. 1.9 P69P
Myzus persicae, as vector, in California.
- 38988 SHIKATA, E., and MARAMOROSCH, K. Electron microscopic evidence for the systemic invasion of an insect host [*Agallia constricta*] by a plant pathogenic virus [wound tumor virus]. Virology 27(4):461-475. Ref. Dec.1965. 448.8 V81
- 38989 SILBERNAGEL, M. J. Differential tolerance to curly top in some snap bean varieties. Plant Dis. Rep. 49(6):475-477. Ref. June 15, 1965. 1.9 P69P
Transmitted by *Circulifer tenelius* in Washington.
- 38990 SMEE, L. Insect pests of sweet potato and taro in the territory of Papua and New Guinea: their habits and control. Papua New Guinea Agr. J. 17(3):99-101. Aug.1965. 23 N453
- 38991 STAPEL, C. Can we expect aphids and virus yellows in the sugar beet fields this year? (Da) Landbonyt 19(6):223-226. June 1965. 11 L2322
- 38992 TIMIAN, R. G. Overwintering of wheat striate mosaic virus in North Dakota. Plant Dis. Rep. 49(6):556. June 15, 1965. 1.9 P69P
Endria inimica as vectors.
- 38993 UPCHURCH, W. Resistant variety sought. Res. Farming [N. C. Sta.] 24(2):9. Autumn 1965. 100 N81R
Use of an Algerian alfalfa for resistance breeding against alfalfa weevil (*Hypera postica*).
- 38994 VAN EMDEN, H. F., and WEARING, C. H. The role of the aphid host plant in delaying economic damage levels in crops. Ann. Appl. Biol. 56(2):323-324. Oct.1965. 442.8 An72
Brevicoryne brassicae and *Myzus persicae* on Brussels sprouts.
- 38995 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Control of aphids on forage alfalfa. Wash. State Univ. Ext. E. M. 2561, 2 p. July 15, 1965. 275.29 W27M1
With diazinon, malathion, and phosphamidon.
- 38996 WAY, M. J., and MURDIE, G. An example of varietal variations in resistance of Brussels sprouts. Ann. Appl. Biol. 56(2):326-328. Oct. 1965. 442.8 An72
To insect pests.
- 38997 WEBB, R. E., BOHN, G. W., and SCOTT, H. A. Watermelon mosaic viruses 1 and 2 in southern and western cucurbit production areas. Plant Dis. Rep. 49(6):532-535. Ref. June 15, 1965. 1.9 P69P
Myzus persicae, as vector.
- 38998 WENE, G., and others. Winter survival of the pink bollworm [*Pectinophora gossypiella*] in Arizona. Ariz. Agr. Exp. Sta. Tech. Bull. 170, 23 p. Ref. Nov.1965. 100 Ar4
L. W. Sheets, H. E. Woodruff, I. Pearson, and L. A. Carruth, joint authors.
- 38999 WOLFENBARGER, D. A. Insecticides and combinations of insecticides with oils and surfactants for insect control on various vegetable crops. Fla. Entomol. 48(3):193-204. Sept. 1965. 420 F662
Texas.
- 39000 WOLFENBARGER, D. A., SCHUSTER, M. F., and GETZIN, L. W. Soil-applied systemic insecticides in relation to insect and mite control on various vegetable crops. Fla. Entomol. 48(3):173-182. Ref. Sept.1965. 420 F662
Texas.
- 39001 YATHOM, S. Insecticide trials against *Atherigona varia* Rond. on sorghum in Israel (1963 and 1964). (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 486, 14 p. Jan.1965. 107 R26
English summary.
- 39002 ZUMMO, N., and CHARPENTIER, L. J. Vector-virus relationship of sugarcane mosaic virus. III. Transmission of sugarcane mosaic virus by the rusty plum aphid (*Hysteroneura setariae* Thos.). Plant Dis. Rep. 49(10):827-829. Oct.1965. 1.9 P69P
Louisiana.

Pests of Fruit and Nut Crops

- 39003 AMARAL, S. F. DO, and others. The interference of BHC with coffee flavor. (Por) Sao Paulo. Inst. Biol. Arq. 32(2):23-30. Ref. Apr./June 1965. 442.9 Sa6
H. V. Arruda, A. Orlando, and A. Pigatti, joint authors.
English summary.

- 39004 BAGGIOLINI, M. Green moth of fruit trees. (Fr) Agr. Romande (ser.A)4(5):40. May 1965. 17 Ag8
Monima spp.
- 39005 BARNES, M. M., WARGO, M. J., and BALDWIN, R. L. New low intensity ultraviolet light trap for detection of codling moth activity. Calif. Agr. 19(10):6-7. Oct.1965. 100 C12Cag
Carpocapsa pomonella.
- 39006 BOLLER, E. Occurrence and control of the cherry fruit fly (*Rhagoletis cerasi* L.) in 1965. Schweiz. Z. Obst- Weinbau 101(12):531-533. Oct.16,1965. 80 Sch9
Chemical control.
- 39007 BOYCE, H. R. Effects of two carbamates on several pests of peach. Entomol. Soc. Ontario. Proc. 95:125-127. 1964, pub.1965. 420 On8
Carbaryl and Bayer 37344 in control of *Grapholitha molesta* and *Panonychus ulmi*.
- 39008 BRIGGS, J. B. Insect resistance in fruit plants. Ann. Appl. Biol. 56(2):325. Oct.1965. 442.8 An72
- 39009 BULLOCK, R. C. Effectiveness of foliar sprays for control of Fuller rose beetle [*Pantomorus godmani*] on Florida citrus. Fla. Entomol. 48(3):159-161. Sept.1965. 420 F662
- 39010 BURTS, E. C. Systematic surrounding of insidious psylla by synchronized spraying. West. Fruit Grower 19(12):17-18. Dec.1965. 95.8 G762
Perthane for control of *Psylla pyricola* in Washington.
- 39011 BUTTRAM, J. R. Hickory shuckworm [*Laspheyresia caryana*]. Ga. Univ. Ext. Leaflet. 30, 8 p.-folder. July 1965. 275.29 G29L
Life history and control with EPN and Guthion.
- 39012 CARVER, R. G., HORN, N. L., and BOUTREAU, H. B. *Macrosiphum rosae*, *Acyrtosiphon porosum*, and *Aphis gossypii* as vectors of strawberry viruses in Louisiana. Plant Dis. Rep. 49(6):495-499. June 15,1965. 1.9 P69P
- 39013 CLEVELAND, M. L. Maintenance of fruit insect cultures in Vincennes, Indiana. Ind. Acad. Sci. Proc. 74:219-221. 1964, pub.1965. 500 In2
Rearing of fruit pests.
- 39014 COHEN, I. Biological control of citrus pests. Agr. Israel 10(9):50-49. June 1965. 22.5 Ag825
- 39015 CRANHAM, J. E. Tea pests and their control. Annu. Rev. Entomol. 11:491-514. Ref. 1966. 421 An72
Chiefly in India, Ceylon and Indonesia.
- 39016 DIRLBEK, K., and MARTINEC, V. Protection of strawberry seed plants against mites. (Cz) *Ovocnarstvi Zelinarstvi* 13(6):167. 1965. 80 Ov64
Chemical control.
- 39017 ESCOLAR, M. L. P. Pineapple mealybug [*Pseudococcus brevipes*] control in Puerto Rico. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:49. 1964. 64.9 C19
Using Di-Syston.
- 39018 GONCHAROVA, N. G., and SOKOLOVA, N. P. Peculiarities of black currant midge [*Dasineura tetensi*] larval nutrition and characteristics of injuries caused by them (morpho-anatomical analysis). (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:357-363. 1965. 20 M857
- 39019 GONZALEZ, J. A. The coffee "tortuguilla." (Sp) Nuestra Tierra 8(77):137-138. Sept./Oct. 1964. 8 N882
- 39020 HAGEN, K. S. Dependence of the olive fly, *Dacus oleae*, larvae on symbiosis with *Pseudomonas savastanoi* for the utilization of olive. Nature [London] 209(5021):423-424. Jan.22, 1966. 472 N21
- 39021 HOWITT, A. J., and CONNOR, L. J. The response of *Rhagoletis pomonella* (Walsh) adults and other insects to trap boards baited with protein hydrolysate baits. Entomol. Soc. Ontario. Proc. 95:134-136. 1964, pub.1965. 420 On8
Fruit pest.
- 39022 JANNONE, G. Usual and exceptional food-plants of white wax scale (*Ceroplastes sinensis* del Guercio, Hemiptera Coccidae) with particular reference to the pear tree. (It) Ann. Sperim. Agr. (n.s.)17(3/4):329-367. Ref. 1963, pub.1965. 16 An76
English summary.
- 39023 JANYSKA, A. Dangerous pests of stone fruit. (Cz) *Ovocnarstvi Zelinarstvi* 13(7):187-188. 1965. 80 Ov64
Contarinia nasturtii.
- 39024 KATIYAR, K. P., and FERRER W., F. Evaluation of the effect of yuca powder in the larval diet of the Mediterranean fruit fly *Ceratitis capitata* Wied. (Sp) *Turrialba* 15(4):350-353. Oct./Dec.1965. 8 T86
English summary.
- 39025 KLESSER, P. J. Groundnut [*Arachis hypogaea*] variety trials for resistance to virus diseases. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 42,17 p. Ref. 1965. 24 So863
Aphis craccivora, as vector.
- 39026 KOUPIL, S. Overwintering of fruit pests. (Cz) *Ziva* 13(6):219-220. Nov.1965. 409.6 Z6
- 39027 LUSTIG, T. \$20 million is at stake in bug battle; worm warfare is declared by planters in Guatemala. Cyanamid Mag. 10(1):15. May 1965. 381 C992
Treatment with Thimet for control of coffee pest, *Leucoptera coffeella*.
- 39028 MARIANELLI, U. Grape enemy in the Levant zone. (It) Agr. Spezia 15(4):90. Apr.1965. 16 Ag8229
The cottony cochineal in Italy.
- 39029 MARUCCI, P. E. Blueberry maggot and blueberry bud mite control. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:20-22. 1965. 94.35 N46A
Rhagoletis pomonella and *Aceria vaccinii*.
- 39030 MCKINLAY, K. S. Insect [*Pseudotheraptus wayi*] damage, crop formation and the yield of coconuts. Bull. Entomol. Res. 56(1):67-78. Oct.1965. 421 B87
Africa.
- 39031 MILLIMAN, L. H. Orchard pest control. Agr. Chem. 21(1):66,68,97. Jan.1966. 381 Ag8
- 39032 MITIC-MUZINA, N. A contribution to the study of peach pest *Grapholitha molesta* Busck, with special view on its control. (Se) *Zastita Bilja* 83:71-83. 1965. 464.8 Z1
French summary.
- 39033 MORRISON, H. E. Controlling the garden symphylan. Oreg. State Univ. Ext. Ext. Bull. 816,12 p. June 1965. 275.29 Or32B
Scutigerella immaculata pest of fruits and vegetables, controlled by soil fumigation and use of insecticides.
- 39034 PETRUSHOVA, N. I., DOMANSKII, V. N., and STREKOZOV, V. P. Application of trichlorfon and fenthion against cherry fruit fly. (Rus) Khim. Sel'skom Khoz. 3(8):29. Aug.1965. 385 K524
Rhagoletis cerasi.
- 39035 PIERZA, H., and FISHER, J. Red scale [*Aphytis africanus*] and red spider [*Tetranychus telarius*] populations in citrus as affected by insecticidal treatments. S. Afr. Citrus J. 380: 11-13. Aug.1965. 80 C495
- 39036 PLAUT, H. N. The quince moth, *Euzophera bigella* Z. (Pyralidae), on pomaceous fruit in Israel. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 496,14 p. June 1965. 107 R26
English summary.
Quinces and apples.

- 39037 POLLARD, H. N. Fecundity of *Homalodisca insolita*, a leafhopper vector of phony peach virus disease. *Entomol. Soc. Amer. Ann.* 58 (6):935-936. Nov.1965. 420 En82
- 39038 PUTMAN, W. L. The predacious thrips *Haplothrips faurei* Hood (Thysanoptera: Phloeothripidae) in Ontario peach orchards. *Can. Entomol.* 97(11):1208-1221. Ref. Nov.1965. 421 C16
Predator of mites, *Panonychus ulmi* and *Bryobia arborea*.
- 39039 RAYCHAUDHURI, S. P., GANGULY, B., and BASU, A. N. Further studies on the mosaic disease of mulberry. *Plant Dis. Rep.* 49(12):981. Dec.1965. 1,9 P69P
Rhopalosiphum maidis, *Myzus persicae*, and *Aphis gossypii*, as vectors, in India.
- 39040 RED SCALE (*Aonidiella aurantii*). *Agr. Gaz. New S. Wales* 76(11):back cover. Nov.1965. 23 N472
Life history and chemical control of this pest of citrus.
- 39041 REICH, H. The occurrence of animal pests and their control in the framework of our spraying calendar. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(4):128-132. Apr.1965. 85 J76
Insect pests of fruit.
- 39042 REICH, H. Pear sawfly; injuries and control. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(6):225-226. June 1965. 85 J76
Chemical control of *Hoplocampa brevis*.
- 39043 SCHWARTZ, A. How to control citrus red mite [*Panonychus citri*]. *Farming S. Afr.* 41 (7):55-56. Oct.1965. 24 So842
Control with Kelthane.
- 39044 SCHWARTZ, A. Total control of the citrus bud mite [*Aceria sheldoni*] and citrus rust mite [*Phyllocoptruta oleivora*] with chlorobenzilate. (Af) *S. Afr. Citrus J.* 38:11,13. Sept.1965. 80 C495
- 39045 SCHWARZ, R. E. Trap plants—a methodical means for investigating the epidemiology of aphid-borne viruses. (Ge) *Anz. Schadlingskunde* 38(4):53-56. Ref. Apr.1965. 421 An9
English summary.
Tests with citrus in the Republic of South Africa and weed communities in Berlin.
- 39046 SHAPOVALOVA, G. K., and BOCHAROVA, L. P. Possible substitutes for DDT in control of codling moth [*Carpocapsa pomonella*]. (Rus) *Khim. Sel'skom Khoz.* 3(10):37-38. Oct.1965. 385 K524
On apples.
- 39047 SIDOR, C. A contribution to the study of *Petrus lugubris* Fab. in the Fruska Gora Mountain. (Se) *Zastita Bilja* 84:199-212. 1965. 464.8 Z1
German summary.
Fruit pest.
- 39048 STARETS, V. A., and BABII, V. S. Effective methods for control of codling moth. (Rus) *Khim. Sel'skom Khoz.* 3(8):25-28. Ref. Aug. 1965. 385 K524
Carpocapsa pomonella on apples controlled by DDT.
- 39049 SUSHA, V. I. Chemical control of pear gall mite [*Eriophyes pyri*]. (Rus) *Khim. Sel'skom Khoz.* 4:30-33. Apr.1965. 385 K524
- 39050 TSAO, C. L., and WANG, K. K. A new pest of *Ziziphus jujube* in the Lanchow area; *Porphyria parva* (Hubner). (Ch) *Acta Entomol.* 14(4):420-422. 1965. 421 K96
- 39051 TUREK, C. L. The occurrence of *Oryctes nasicornis* in the orchards of Prague. (Cz) *Ziva* 13(2):64-65. Mar.1965. 409.6 Z6
- 39052 VERNON, J. D. R., and DENNIS, E. B. Field tests of acaricides for the control of red spider mite, *Tetranychus urticae* Koch, on strawberries. *J. Hort. Sci.* 41(1):7-17. Ref. Jan.1966. 80 J825
- 39053 VIDAL, J. P., and MARCELIN, H. Eudemis in Roussillon; work and experiment in 1963. (Fr) *Pyrenees-Orientale. Chambre Agr. Bull. Tech.* 29:7-30. Mar.1964. 14 F8462
Chemical control of *Lobesia botrana*.
- 39054 WILDE, W. H. A. The pear psylla, *Psylla pyricola* Foerster, in Ontario: Homoptera: Chermidae; a review. *Entomol. Soc. Ontario. Proc.* 95:5-10. Ref. 1964, pub.1965. 420 On8
Includes history of control with chemicals.
- 39055 WOOD, T. G. Field observations on flight and oviposition of codling moth (*Carpocapsa pomonella* (L.) and mortality of eggs and first-instar larvae in an integrated control orchard. *New Zeal. J. Agr. Res.* 8(4):1043-1059. Ref. Nov. 1965. 23 N4892
Pest of apples.
- 39056 YAYA VICENTE, R. Comparison of insecticides in the control of the coffee berry borer *Hypothenemus hampei* (Ferrari, 1967). (Sp) *Vida Agr. [Lima]* 42(499):323,325-326. June 1965. 9.8 V66
Peru.

Pests of Ornamentals, Greenhouses, and Nurseries

- 39057 APPLEBY, J. E., and NEISWANDER, R. B. Life history and control of the juniper tip midge, *Oligotrophus apicis* Appleby and Neiswander. *Ohio. Agr. Res. Develop. Center. Res. Bull.* 980,26 p. Ref. Jan.1966. 100 Oh35
- 39058 BURKE, W. Controlling bugs without poisons. *Amer. Orchid Soc. Bull.* 34(8):713-714. Aug. 1965. 80 Am329
- 39059 CLERCQ, R. DE. The cactus root louse "*Rhizococcus cacticans*, Hambleton" in ornamental plant culture. (Fl) *Land- Tuinbouw Jaarboek* 20:445-449. 1965. 13 L22
- 39060 COLEMAN, V. R. Aphids on ornamental plants. *Ga. Univ. Ext. Leaf.* 31,6 p.-folder. July 1965. 275.29 G29L
Control with dimethoate and malathion.
- 39061 COLEMAN, V. R. Mites on flowers and shrubbery. *Ga. Univ. Ext. Leaf.* 32,6 p.-folder. July 1965. 275.29 G29L
Control with Tedion, Kelthane and dimethoate.
- 39062 ERWIN, J. C. A dram of poison. *Amer. Orchid Soc. Bull.* 34(8):688-691. Aug.1965. 80 Am329
The use of insecticides in orchid culture and their toxicity to the plants.
- 39063 FOOTT, W. H. Some factors influencing control of the two-spotted spider mite *Tetranychus urticae* Koch (Acarina: Tetranychidae), on greenhouse cucumbers. *Entomol. Soc. Ontario. Proc.* 95:108-115. Ref. 1964, pub.1965. 420 On8
- 39064 HUSSEY, N. W. Possibilities for integrated control of some glasshouse pests. *Ann. Appl. Biol.* 56(2):347-350. Ref. Oct.1965. 442.8 An72
- 39065 JEFFERSON, R. N., and MORISHITA, F. S. Orchid pests and their control. *Amer. Orchid Soc. Bull.* 34(8):722-732. Ref. Aug.1965. 80 Am329
Chemical control including policies.
- 39066 MCDONALD, E. Succeed this year with systemic. *Nation's Agr.* 40(3):38-39. Mar.1966. 280.82 B89
Insecticides applied to roses.
- 39067 MORRIS, R. C. Insects of hardwood nurseries. *U. S. Forest Serv. Reg. 8, Forest Nurserymen's Conf. Proc.* 1964:142-144. A99.9 F7693P
- 39068 MUKHERJEE, A. K., and RAYCHAUDHURI, S. P. Therapeutic treatments against leaf curl of some Malvaceous plants. *Plant Dis. Rep.* 50(2):88-90. Feb.1966. 1,9 P69P
Bemisia tabaci, as vector, on *Malvaviscus arboreus* and *Hibiscus rosa sinensis* in India; includes use of chemotherapy and thermotherapy.
- 39069 POLIVKA, J. B. Effectiveness of insecticides applied to turf to destroy Japanese beetle larvae. *Ohio. Agr. Res. Develop. Center. Res. Circ.* 144,11 p. Dec.1965. 100 Oh3R

- 39070 VASIC, M. *Lepyrus palustris* Scop. and its control in nurseries and tree farms for the culture of poplars and willows. (Se) *Topola* 9 (50/51):38-46. Apr./June 1965. 99.8 T62
French summary.
- 39071 WOLF, F. A. *Coreopsis* [grandiflora] flower droop. *Plant Dis. Rep.* 49(12):964. Dec. 1965. 1.9 P69P
Possibly caused by leafhopper.

Pests of Stored Products and Processed Commodities

- 39072 CORNWELL, P. B. Control of insects in stored grain by irradiation. *Int. Food Indus. Congr. Proc.* 1964:201-205. 389.9 In836
- 39073 FREEMAN, C. C. Criteria for radiographic examination of internal insect infestation. *Ass. Offic. Agr. Chem. J.* 48(6):1183-1185. Dec. 1965. 381 As7
With reference to coffee beans.
- 39074 FREEMAN, J. G. Problems of food infestation. *Int. Food Indus. Congr. Proc.* 1964:196-200. 389.9 In836
- 39075 JOUBERT, T. C. The insects in grain. 2. Control them early! *Farming S. Afr.* 41(7):49, 51, 53, 56. Oct. 1965. 24 So842
Chiefly chemical control in stored grain.
- 39076 LAVABRE, E. M. Insect pests of stored cacao and coffee. (Fr) *Cafe, Cacao, The* 9(3):193-205. Ref. July/Sept. 1965. 68.8 C112
English summary.
Includes chemical control.
- 39077 LEFKOVITCH, L. P. Differences between six species of *Cryptolestes* (Coleoptera, Cucujidae) in susceptibility to methyl bromide vapour. *Bull. Entomol. Res.* 56(1):197-200. Oct. 1965. 421 B87
- 39078 MONTE, G. DAL. Studies on the origin of grain weevils in food pastes. (It) *Agricoltura* 14(4):102-110. Apr. 1965. 16 Ag8226
Sitophilus oryzae and *S. granarius*.
- 39079 O'DONNELL, A. E. The effectiveness of grain fumigant formulations. III. Sorption studies. *Kans. Entomol. Soc. J.* 38(4):355-358. Oct. 1965. 420 K13
- 39080 OSMUN, J. V., and BUTTS, W. L. Pest control. *Annu. Rev. Entomol.* 11:515-548. Ref. 1966. 421 An72
Structural insect pest control excluding pests of agriculture and forests.
- 39081 SURTEES, G. Ecological significance and practical implications of behaviour patterns determining the spatial structure of insect populations in stored grain. *Bull. Entomol. Res.* 56(1):201-213. Ref. Oct. 1965. 421 B87
- 39082 WATT, M. J. Notes on pests of stored grain; *Liposcelis bostrychophilus* and *Sitophilus* spp. *Agr. Gaz. New S. Wales* 76(11):693-696. Ref. Nov. 1965. 23 N472
Includes damage to apples by *Sitophilus zeamais* and *Z. oryzae*.

Pests of Trees and Wood Products

- 39083 ANDROIC, M., and OPALICKI, S. Possibilities of the control of pine processionary moth [*Thaumetopoea pityocampa*] by means of biological and combined methods. (Se) *Sumarski List* 89(1/2):39-48. Ref. Jan./Feb. 1965. 99.8 Su6
English summary.
- 39084 ANGUS, T. A. Mortality due to *Bacillus thuringiensis* in post-larval stages of some Lepidoptera. *Entomol. Soc. Ontario. Proc.* 95:133-134. 1964, pub. 1965. 420 On8
Forest pests.
- 39085 ATKINS, M. D. Some aspects of scolytid behaviour with special reference to the Douglas fir beetle *Dendroctonus pseudotsugae* Hopk. (Coleoptera: Scolytidae). *Diss. Abs.* 26(6):3540. Dec. 1965. 241.8 M58

- 39086 BERRY, F. H., and BRETZ, T. W. Small oak bark beetle [*Pseudopityophthorus*] a potential vector of oak wilt. *Plant Dis. Rep.* 50(1):45-49. Jan. 1966. 1.9 P69P
Caused by *Ceratocystis fagacearum* in Missouri.
- 39087 BEVAN, D. Forest entomology. Great Brit. Forest. Comm. Rep. *Forest Res.* 1964:61-62. 1965. 99.9 G795Re
Forest pests.
- 39088 BIRYULINA, P. G. The appearance of forest pests. 4 p. *Transl.* 15226
Insect pests.
Translation from *Priroda* [Moscow] 5:126. 1961.
Issued by CFSTI.
- 39089 BROWN, C. E. Mass transport of forest tent caterpillar moths, *Malacosoma disstria* Hubner, by a cold front. *Can. Entomol.* 97(10):1073-1075, map. Oct. 1965. 421 C16
From an outbreak area to an area 300 miles away.
- 39090 BUCKNER, C. H. The role of vertebrate predators in the biological control of forest insects. *Annu. Rev. Entomol.* 11:449-470, map. Ref. 1966. 421 An72
Chiefly birds and wildlife.
- 39091 BUFFAM, P. E. Carbaryl, phosphamidon, and DDT tests on the western hemlock looper in Washington. *J. Econ. Entomol.* 58(5):1006-1008. Ref. Oct. 1965. 421 J822
Lambdina fiscellaria lugubrosa in stands of *Tsuga heterophylla*.
- 39092 CROOKE, M. Studies on tit and pine looper moth populations at Culbin Forest. Great Brit. Forest. Comm. Rep. *Forest Res.* 1964:133-134. 1965. 99.9 G795Re
Bupalus piniarius.
- 39093 DAMIANO, A. Contribution to the study of *Casama innotata* Walker, Lepidoptera, Lymantriidae, injurious to *Acacia karroo* in Tripolitania. (It) *Riv. Agr. Subtrop. Trop.* 59(4/6):143-148. Apr./June 1965. 26 Ag82
- 39094 DISSESCU, G. A contribution to the study of *Colotois pennaria* L. (Himera pennaria L. Lepidoptera, Geometridae). (Rum) *Rev. Padurilor* 80(9):478-480. Sept. 1965. 99.8 R327
English summary.
- 39095 ERSKINE, R. B. Some factors influencing the susceptibility of timber to bostrychid attack. *Australian Forest.* 29(3):192-198. Sept. 1965. 99.8 Au74
- 39096 FORD, R. P., TALERICO, R. L., and MOTT, D. G. A field test of procedures for evaluating and scheduling white-pine weevil control. *U. S. Forest Serv. Res. Note NE-37*, 4 p. 1965. A99.9 F7622U
Pissodes strobi.
- 39097 GOGOLA, E. Does injured or wind fallen conifer wood invite pests. (Cz) *Les* [Bratislava] 21(4):102-104. Apr. 1965. 99.8 L5632
Trypodendron lineatum.
- 39098 GOJKOVIC, G. Possibilities of chemical prevention of injury to poplars caused by *Melanophila picta* Pall. (Se) *Topola* 9(48/49):42-47. Jan./Mar. 1965. 99.8 T62
French summary.
- 39099 GOJKOVIC, G. Some results of the curative chemical control of the larvae of *Melanophila picta* Pall. (Se) *Topola* 9(48/49):46-49. Jan./Mar. 1965. 99.8 T62
French summary.
Populus pest control.
- 39100 GREAVES, T., MCINNES, R. S., and DOWSE, J. E. Timber losses caused by termites, decay and fire in an alpine forest in New South Wales. *Australian Forest.* 29(3):161-174, map. Sept. 1965. 99.8 Au74
Chiefly losses caused by *Porotermes adamsoni*.
- 39101 HIGH summer danger of tree insect pests. *Forest Timber* 3(2):14-17. Nov. 1965. 99.8 F7634

- 39102 JODAL, I. *Agrilus suvorovi* populneus Schaef., a pest of young poplar stands. (Se) Topola 9 (50/51):32-34. Apr./June 1965. 99.8 T62
French summary.
Includes chemical control.
- 39103 KUDELA, M. Chemical control of *Hylobius abietis*. (Cz) Lesnicka Prace 44(4):162-166. Apr.1965. 99.8 L56
- 39104 LAVIGNE, R. J., and STEVENS, L. Systemics for control of the clearwinged cottonwood leaf aphid [*Chaitophorus populellus*] in southeast Wyoming. J. Econ. Entomol. 58(5):818-821. Oct.1965. 421 J822
- 39105 LENGYEL, GY. Possibility for application of hand mist blower in forest protection work. (Hu) Erdo 15(1):31-34. Jan.1966. 99.8 Er22
Germany summary.
Neodiprion sertifer control on conifers.
- 39106 MILLERS, I., and WILSON, L. F. Suppression of the Saratoga spittlebug, *Aphrophora saratogensis* (Fitch), with malathion in Michigan pine [*Pinus resinosa*] plantations. J. Econ. Entomol. 58(5):942-944. Oct.1965. 421 J822
- 39107 NOVAK, V. Chemical treatment of the wood against bark beetles. (Cz) Lesnicka Prace 44 (5):226-229. May 1965. 99.8 L56
Includes preservatives.
- 39108 NOVAK, V. Klikoroh borovy [Pine weevil]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 91 p. Ref. QL596.C9N6
English summary.
Hylobius abietis as pest and its control.
- 39109 OPALICKI, S. A field test in the control of pine processionary moth (*Thaumetopoea pityocampa* Schiff.) by direct application of insecticides into caterpillar nests. (Se) Sumarski List 89(1/2):61-63. Jan./Feb.1965. 99.8 Su6
English summary.
- 39110 PAGES, J., and ALMANZOR, J. Morphology of *Lithocolletis platani* Stgr. larvae, Microlepidoptera miner of planetree leaf. (Fr) Soc. Zool. France. Bull. 89(4):535-546. Ref. 1964. 410.9 P214B
- 39111 PHIHODA, A. Aphids on roots of spruce. (Cz) Lesnicka Prace 44(6):271-272. June 1965. 99.8 L56
Picea abies.
- 39112 PIRVESCU, D. *Dorcus parallelipipedus* L., pest of poplar stands. (Rum) Rev. Padurilor 80(6):330-331. June 1965. 99.8 R327
- 39113 POMERLEAU, R. Seasonal transmission of the elm disease by *Hylurgopinus rufipes* in Quebec. Can. J. Bot. 43(12):1592-1595. Dec.1965. 470 C16C
Caused by *Ceratocystis ulmi* in *Ulmus americana*.
- 39114 POPESCU, T., and PIRVESCU, D. Chemical control of the defoliating caterpillars in the Oltenia region. (Rum) Rev. Padurilor 80(5):264-267. May 1965. 99.8 R327
English summary.
Lymantria dispar.
- 39115 PUCHKOVA, I. I. Effects of phosphor-organic insecticides on carbohydrate exchange in pine needles (preliminary study). (Rus) Khim. Sel'skom Khoz. 3:34-37. Ref. Mar.1965. 385 K524
Demeton, methyl demeton and dimethoate.
- 39116 RICHTER, D. Bark beetle control in 1965—results and experiences. (Ge) Sozialistische Forstwirtschaft. 15(11):339-344, map. Nov.1965. 99.8 W143
English summary inside back cover.
- 39117 RUSDEN, P. L. Dutch elm disease in Atlanta, Georgia. Plant Dis. Rep. 49(9):801. Sept.1965. 1.9 P69P
Scolytus multistriatus as vector of *Ceratocystis ulmi*.
- 39118 SCHMIDT, H., and BUCHHOLZ, G. Behaviour and boring activity of the larva of *Lyctus brunneus* Stephens. 5 p. Ref. Transl. 15192
In the wood.
Translation from *Holzforschung und Holzverwertung* 16(3):46-49. 1964.
- 39119 SEN-SARMA, P. K., and CHATTERJEE, P. N. Studies on the natural resistance of timbers to termite attack. IV. Qualitative and quantitative estimations of resistance of sixteen species of Indian woods against *Neotermes boseli* Snyder (Isoptera: Kalotermitidae) based on laboratory tests. Indian Forest. 91(11):805-813. Ref. Nov.1965. 99.8 In2
- 39120 SPIRCHEZ, Z. *Anisandrus* (Xyleborus) *dispar* Ferrari, a pest dangerous to young stands of edible chestnut [*Castanea sativa*]. (Rum) Rev. Padurilor 80(5):283-284. May 1965. 99.8 R327
- 39121 STAIRS, G. R. Artificial initiation of virus epizootics in forest tent caterpillar [*Malacosoma disstria*] populations. Can. Entomol. 97(10):1059-1062, map. Oct.1965. 421 C16
Polyhedrosis.
- 39122 STOLINA, M. Are Slovak forests jeopardized by the outbreaks of bark beetles? (Cz) Lesnicka Prace 44(3):111-114. Mar.1965. 99.8 L56
- 39123 STUART, J. Yellow jackets! Frontiers 29(4):120-122. Apr.1965. 410 F92
Vespidae as predators of sawflies destroying pines.
- 39124 TUSOCK moth beaten by controlled 'copter spray. Brit. Columbia Lumberman 50(1):54. Jan.1966. 99.81 B77
Douglas-fir tussock moth, *Hemerocampa pseudotsugata*, with DDT in Oregon.
- 39125 WEAVER, J. E., and DORSEY, C. K. Parasites and predators associated with five species of leaf-mining insects in black locust [*Robinia pseudoacacia*]. Entomol. Soc. Amer. Ann. 58 (6):933-934. Nov.1965. 420 En82
- 39126 WEBER, T. A mass increase of the winter moth *Hibernia defoliaria* and *H. aurantiaria*—its course and economical consequences. (Ge) Forst- Holzwirt 20(21):477-480. Nov.8,1965. 99.8 F7724
Damaging beech and oak, chiefly.
- 39127 WILSON, L. F. European pine sawfly [*Neodiprion sertifer*]. U. S. Forest Serv. Forest Pest Leaflet. 98,8 p. Nov.1965. A423.9 F764
Life history, chemical control with DDT, and natural control.
- 39128 WILSON, L. F., and SCHMIEGE, D. C. Pine root collar weevil [*Hylobius radicis*]. U. S. Forest Serv. Forest Pest Leaflet. 39, rev., 7 p. Dec.1965. A423.9 F764
Life history and control.
- 39129 WOLF, G. L., and others. Fight Dutch elm disease. Wis. Univ. Ext. Circ. 600, rev., 11 p. Apr.1965. 275.29 W75C
J. L. Libby, G. E. Hafstad, D. M. Norris, and E. B. Smalley, joint authors.
Caused by *Ceratocystis ulmi*, which is spread by *Scolytus multistriatus* and *Hylurgopinus rufipes*; includes chemical control.
- 39130 ZAK, B. Aphids feeding on mycorrhizae of Douglas-fir. Forest Sci. 11(4):410-411. Dec. 1965. 99.8 F7632
Pemphigus piceae and *Prociphilus americanus*.

Apiculture and Apis Mellifera

- 39131 ALLEN, M. D. The ages of worker honeybees (*Apis mellifera* L.) engaged in "fanning" and in "shiver dances." Anim. Behav. 13(2/3):347. Apr./July 1965. 410 B77
- 39132 AUTRUM, H., and SEIBT, U. Adaptation to the dark of the eye of the bee. (Ge) Naturwissenschaften 52(20):566. Oct.15,1965. 474 N213
Honey bee.
- 39133 BENGTSOON, F. On bee periodicals. (Sw) Bitidningen 64(12):377-379. Dec.1965. 424.8 B54
- 39134 BIEDERMANN, M. Neurosecretion of workers and queens of *Apis mellifica* L. under natural and experimental conditions. (Ge) Z. Wiss. Zool. 170(3/4):256-308. Ref. 1964. 410 Z3

- 39135 BOLTON, S. 4-H Club honey money project. Amer. Bee J. 105(11):407. Nov.1965. 424.8 Am3
- 39136 BRISCOE, D. A. Wax moth control in bee combs. New Zeal. J. Agr. 111(7):36. Dec.1965 1965. 23 N48J
Control of greater wax moth (*Galleria mellonella*) and lesser wax moth (*Achroia grissella*) with calcium cyanide, carbon bisulphide, and methyl bromide.
- 39137 CLULOW, G. F. Diverse apicultural idealities. Gleanings Bee Cult. 93(11):666-668. Nov.1965. 424.8 G47
Ideas on colony management.
- 39138 COLE, D. W. Of bees and bombers. Gleanings Bee Cult. 93(10):594-596,633. Oct.1965. 424.8 G47
Beeswax used in manufacture of bombers at Fort Worth, Texas.
- 39139 THE CONTROL station at Sem in Asker 1941-1965. (No) Biokteren 81(11):198-201. Nov. 1965. 424.8 B53
- 39140 CRANE, E. The economic status of bees in the Tropics. PANS (Pest Articles News Sum.) Sect. A. Insect Contr. 11(3):303-341. Ref. Aug.1965. 423.92 G798
Includes *Apis mellifera*.
- 39141 DAHLE, N. A. Synthesis of royal jelly acid and its homologs. Investigation of the insect attractant factor of elm. Studies on the syntheses of 3-isoxazolidones. Diss. Abs. 26(6):3050-3051. Dec.1965. 241.8 M58
- 39142 DEL CAMPO, J. M. Apiculture a-buzzing in Nicaragua. Gleanings Bee Cult. 93(10):622-623, 632. Oct.1965. 424.8 G47
- 39143 DEREVICH, A., POPESCO, A., and POPESCO, N. Experimental studies on bees with *Aspergillus niger* and *Mucor mucedo*. I-II. (Fr) Bull. Apic. 7(2):135-143. 2d Semes.1964. 424.8 B872
I, Infection of bees fed on mold-infected pollen; II, In vitro and in vivo effects of propolis on *Aspergillus niger* and *Mucor mucedo* of pollen.
- 39144 DEREVICH, A., and POPESCO, A. "In vitro" action of propolis on the cells of the Ehrlich ascitic tumour. (Fr) Bull. Apic. 8(1):41-54. Ref. First Semes.1965. 424.8 B872
English summary.
- 39145 DOUHET, M. Apiculture in Madagascar in its tropical context. (Fr) Bull. Madagascar 15 (230):651-679. (Cont.) July 1965. 280.8 B876
- 39146 DOUHET, M. Apiculture in Madagascar in its tropical context. (Fr) Bull. Madagascar 15 (232):757-780. (Cont.) Sept.1965. 280.8 B876
- 39147 DOUHET, M. Apiculture in Madagascar in its tropical context. (Fr) Bull. Madagascar 15 (233):831-852. (Concl.) Oct.1965. 280.8 B876
- 39148 FREE, J. B. The ability of bumblebees and honeybees to pollinate red clover. J. Appl. Ecol. 2(2):289-294. Ref. Nov.1965. 410 J828
- 39149 FREE, J. B. The pollinating efficiency of honey-bee visits to apple flowers. J. Hort. Sci. 41 (1):91-94. Jan.1966. 80 J825
- 39150 FREE, J. B., and DURRANT, A. J. The transport of pollen by honey-bees from one foraging trip to the next. J. Hort. Sci. 41(1):87-89. Ref. Jan.1966. 80 J825
Includes viability.
- 39151 GARAMVOLGYI, N. The arrangement of the myofilaments in the insect flight muscle. I-II. J. Ultrastruct. Res. 13(5/6):409-434. Ref. Dec.1965. 440.8 J822
Honey bee.
- 39152 GARAMVOLGYI, N. Inter-Z bridges in the flight muscle of the bee. J. Ultrastruct. Res. 13(5/6):435-443. Ref. Dec.1965. 440.8 J822
Honey bee.
- 39153 GIORDANI, G. Technique of the isolation of the accompanying bees when mailing queens. (Fr) Bull. Apic. 8(1):69-70. First Semes.1965. 242.8 B872
English summary.
- 39154 GOCHNAUER, T. A. The honey bee as a research animal. Can. Dep. Agr. Res. Br. Entomol. Newslett. 43(3):1-3. Mar.1,1965. 423.92 C16
- 39155 GULIKERS, M. M. A. B. The value of royal jelly as a drug. (Du) Pharm. Weekbl. 100(48): 1393-1409. Ref. Nov.26,1965. 396.8 P4922
Extraction, storage, and composition.
- 39156 GUNN, S. D. The invaders. Amer. Bee J. 105 (11):410. Nov.1965. 424.8 Am3
Galleria mellonella.
- 39157 HAYNIE, J. D. A comparison of tupelo honey yields from four sizes of hive over a three-year period. Fla. Entomol. 48(3):189-191. Sept.1965. 420 F662
For migratory beekeeping.
- 39158 HORBER, E. Bumblebees or honeybees? Recent foreign investigations on the role of insects in the pollination of various field crops and forage plants. (Ge) Mitt. Schweiz. Landwirt. 13(11):181-195. Nov.1965. 17 M69
- 39159 ISSEYEGH, O. C. A. What do you think of this new quick bee feeder? Amer. Bee J. 105(11): 412. Nov.1965. 424.8 Am3
- 39160 JOHANSEN, C. A., and others. Bee poisoning hazard of undiluted malathion applied to alfalfa in bloom. Wash. Agr. Exp. Sta. Circ. 455,10 p. Nov.1965. 100 W27S
M. D. Levin, J. D. Eves, W. R. Forsyth, H. B. Busdicker, D. S. Jackson, and L. I. Butler, joint authors.
Honey bees.
- 39161 JOHANSSON, T. S. K., and JOHANSSON, M. P. The feminine monarchy. Amer. Bee J. 105 (12):454-455. Dec.1965. 424.8 Am3
History of apiculture.
- 39162 KALTHOFF, C. Collecting bee literature. Amer. Bee J. 105(11):416. Nov.1965. 424.8 Am3
Published in the 19th century in the United States.
- 39163 KOBLINSKY, G. A queen nursery cage. Amer. Bee J. 105(11):415. Nov.1965. 424.8 Am3
- 39164 KREKEL, R. W. Charlie Going the "goateed" candle maker. Amer. Bee J. 105(12):456-457. Dec.1965. 424.8 Am3
Beeswax candles.
- 39165 LANSDOWN, G. N. Are you thinking of keeping bees? Gleanings Bee Cult. 93(10):624-625, 630. Oct.1965. 424.8 G47
- 39166 LEVIN, M. D. Recent pollination research at the Tucson laboratory. Amer. Bee J. 105(11): 406. Nov.1965. 424.8 Am3
U. S. Dept. of Agriculture, Entomology Research Division.
- 39167 MAAGENDANS, H. G. Apiculture in former days. (Du) Bijenteelt 1(12):170-172; 2(1):10. (Concl.) Dec.1,1965-Jan.2,1966. 424.9 V58
- 39168 MARUCCI, P. E. Blueberry pollination. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:16-19. 1965. 94.35 N46A
By honeybees and bumblebees.
- 39169 MATTHENIUS, J. C. Honeybees and blueberries. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:14-15. 1965. 94.35 N46A
- 39170 MERRILL, A. C. No home should be without one! Gleanings Bee Cult. 93(11):689,694. Nov. 1965. 424.8 G47
An observation beehive.
- 39171 MOELLER, F. E., and HARP, E. R. The two queen system simplified. Gleanings Bee Cult. 93(11):679-682,698. Nov.1965. 424.8 G47
- 39172 MOMMERS, J. A simple frame fastener. (Du) Bijenteelt 2(2):29. Feb.2,1966. 424.9 V58
- 39173 MÜLLER, O. The queen. (Da) Tidsskr. Biavl 99(12):201-202. Dec.20,1965. 424.8 T43
- 39174 MUNRO, J. A. Bees on view the year around. Amer. Bee J. 105(12):452-453. Dec.1965. 424.8 Am3
Observation hives in California.

- 39175 RADOEV, L. Feeding bees with proteins. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:56-58. 1965. 20 M57
- 39176 RAHMLow, H. J. Beekeeping is a prosperous business. Gleanings Bee Cult. 93(10):585-590. Oct.1965. 424.8 G47
Commercial beekeeper with 800 colonies in Wisconsin.
- 39177 REHM, E. Concerning a previously-unknown sense organ of the honey bee. 3 p. Transl. 14918
Translation from Deutsche Zoologische Gesellschaft. Verhandlungen 44:112-116. 1950.
- 39178 REMBOLD, H. Biologically active substances in royal jelly. Vitamins Hormones 23:359-382. Ref. 1965. 386.2 H243
Literature review.
- 39179 ROBERTS, W. C. Save-a-step queen rearing. Amer. Bee J. 105(12):446-447. Dec.1965. 424.8 Am3
- 39180 ROTHENBUHLER, W. C., and STEPHEN, W. A. Apiculture at the Ohio State University. Amer. Bee J. 105(12):450-451. Dec.1965. 424.8 Am3
- 39181 SEGUY, E. Sarcophaga nigriventris, parasite of the domestic bee [*Apis mellifera*] in western Europe (Insecta, Diptera, Calliphoridae). (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37 (3):407-411. 1965. 410.9 P213
- 39182 SHULMAN, S., and others. The allergic response to stinging insects: biochemical and immunologic studies on bee [*Apis mellifera*] venom and other bee body preparations. J. Immunol. 96(1):29-38. Ref. Jan.1966. 448.8 J8232
F. Bigelsen, R. Lang, and C. Arbesman, joint authors.
- 39183 SISSON, V. F. J. F. Garner—sideline principal. Amer. Bee J. 105(11):408-409. Nov.1965. 424.8 Am3
School principal and beekeeper in Minnesota.
- 39184 SJOKVIST, G. Can beekeepers obtain better honey yields through planting? (Sw) Bitidningen 64(12):376-377. Dec.1965. 424.8 B54
Honey plants.
- 39185 STEINER, A. M. A handicapped beekeeper. Gleanings Bee Cult. 93(11):686-688. Nov.1965. 424.8 G47
- 39186 STEJSKAL, M. Gregarine of the honey bees in Venezuela *Apigregarina stammeri* (n. sp., n. gen., n. fam.). (Fr) Bull. Apic. 8(1):17-26. First Semes.1965. 424.8 B872
Text also in German, p.27-32.
English summary.
Includes *Apigregarinidae* n. fam.
- 39187 STRICKER, M. H. Fastening metal covers for winter. Gleanings Bee Cult. 93(10):602-603. Oct.1965. 424.8 G47
- 39188 THYRI, H. Control stations in apiculture 1965. (No) Birokteren 81(12):223-230. Dec.1965. 424.8 B53
- 39189 VAGT, W. Bee poisoning due to chemical plant protection in orchards; its origin and prevention. (Ge) Obstbauversuchsrings Al-ten Landes. Mitt. 20(5):172-173. May 1965. 85 J76
Apis mellifera.
- 39190 WALSHAW, E. R. More about "Telling the Bees." Amer. Bee J. 105(11):423. Nov.1965. 424.8 Am3
Bees in folklore and literature.
- 39191 WEAVER, N. Physiology of caste determination. Annu. Rev. Entomol. 11:79-102. Ref. 1966. 421 An72
Apis mellifera, other Hymenoptera, and termites.
- 39192 WILLE, H. Propagation of American foul-brood through honey. (Fr) Bull. Apic. 8(1):107-108. First Semes.1965. 424.8 B872
Text also in German, p.109-110.
English summary.
Bacillus larvae found in imported honey.
- 39193 YLOUSE, G. L. DES. Thermal balance in hives. 1 p. Transl. 14922
Translation from Apiculteur 108(4):94-96. Apr.1964.

Sericulture and the Silkworm

- 39194 BASTIANI, D. DE. Comparative feeding and rearing tests of silkworms (*Bombyx mori*, L.). II. (It) Agr. Venezie 19(6):317-336. June 1965. 16 Ag826
- 39195 FRASER, R. D. B., and others. Poly-L-alanyl-glycine. J. Mol. Biol. 11(4):706-712. Ref. Apr.1965. 442.8 J8224
T. P. MacRae, F. H. C. Stewart, and E. Suzuki, joint authors.
Has a beta-structure similar to that found in *Bombyx mori* silk fibroin.
- 39196 GAMO, T. A new extra-crescent gene (EDL) causing degeneration of abdominal legs in the silkworm. (Ja) Jap. J. Genet. 40(3):219-226. June 1965. 442.9 J27
English summary.
- 39197 GUMILEVSKAYA, N. A., and others. A study of the microsome and ribosome of the silkrecretory gland in *Bombyx mori* L. (Rus) Akad. Nauk SSSR. Dokl. 165(6):1431-1434. Ref. 1965. 511 P444A
E. B. Kuvaeva, L. V. Chumikina, and N. M. Sisakyan, joint authors.
- 39198 HASEGAWA, K., and YAMASHITA, O. Studies on the mode of action of the diapause hormone in the silkworm, *Bombyx mori* L. VI. The target organ of the diapause hormone. J. Exp. Biol. 43(2):271-277. Ref. Oct.1965. 442.8 B77
- 39199 HASHIGUCHI, T. Studies on the mechanism of the black pupal manifestation in the silkworm, *Bombyx mori* L. (Ja) Kagoshima Univ. Fac. Agr. Bull. 15:i-46. Ref. Dec.1964. 107.6 K114B
English summary.
- 39200 LASSOTA, Z. The action of gamma-rays on eggs, larvae and pupae of *Bombyx mori*. 8 p. Transl. 15254
Translation from Acta Biochimica Polonica 10(4):379-386. 1963.
- 39201 MASERA, E. Pathological significance of "clear eggs" in depositions of *Bombyx mori* L. (It) Agr. Venezie 19(6):307-316. June 1965. 16 Ag826
- 39202 NOGUCHI, K. Yoson no shin gijutsu [New techniques in silkworm raising]. Tokyo, Nosan Gyoson Bunka Kyokai, 1965. 188 p. SF553 J3N6
- 39205 YAMAFUJI, K., and TONOKAWA, M. Induction of polyhedral virus by organic peroxide and nitrosamine compounds. Enzymologia 29(3/5):121-125. Ref. Nov.6,1965. 390.08 En9
In silkworms.
- 39203 OSHIMA, K. Substance stimulating or inhibiting the evagination of the filament of *Nosema bombycis* Nageli. II. The case of digestive juice, and its electrolyzed juice of starved silkworm larvae. Annot. Zool. Jap. 38(3):134-139. Sept.1965. 410 An79
- 39204 WEEVERS, R. DE G. Proprioceptive reflexes and the co-ordination of locomotion in the caterpillar of *Antheraea pernyi* (Lepidoptera). In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.113-124. Ref. 1965. 420 T71

TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL

General

- 39206 AMOS, T. G. Time lapse photography with synchronized electronic flash for recording insect behaviour. Anim. Behav. 13(4):558-560. Oct.1965. 410 B77
- 39207 ANDERSON, N. H. Depressant effect of moonlight on activity of aquatic insects. Nature [London] 209(5020):319-320. Jan.15,1966. 472 N21

- 39208 ARIGA, H., and others. *Konchu iden-gaku* [Insect genetics]. Tokyo, Azumi Shobo, 1965. 466 p. Ref. QL496.A7
S. Kawase, E. Nagashima, M. Watanabe, and S. Yoshitake, joint authors.
- 39209 BEYER, R. On the relationship between habitat, weather and activity of leaf litter fauna in a forest area in northwest Saxony. (Ge) *Pedobiologia* 4(3):192-209. Ref. 1964. 56.8 P343
English summary.
Arthropods.
- 39210 DEBACH, P. The competitive displacement and coexistence principles. *Annu. Rev. Entomol.* 11:183-212. Ref. 1966. 421 An72
Insect ecology.
- 39211 GHILAROV, M. S. Methods of dry fixation of soil-inhabiting insect larvae. *Pedobiologia* 4(3):220-221. 1964. 56.8 P343
- 39212 GRANT, H. J. A measuring device for use in insect systematics. *Entomol. News* [Philadelphia] 76(9):249-251. Nov.1965. 421 En88
- 39213 HINTON, H. E. Plastron respiration in marine insects. *Nature* [London] 209(5019):220-221. Jan.8,1966 472 N21
- 39214 HORIE, Y. Metabolic pathway of carbohydrate and its regulation in insects. (Ja) *Biol. Sci.* 17(2):55-63. Ref. Sept.1965. 442.8 B5264
- 39215 HUGHES, G. M. Neuronal pathways in the insect central nervous system. In Treherne, J. E., and Beament, J. W. L., ed. *The physiology of the insect central nervous system*, p.79-112. Ref. 1965. 420 T71
- 39216 JESO, F. DI, MALCOVATI, M., and SPERANZA, M. L. Identification and determination of a phosphagen in different species of insects. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4):809-813. Ref. 1965. 442.9 P21
- 39217 JOCHER, W. Futter für Vivarientiere: Aquarien, Terrarien [Feed for vivarium animals: aquariums, terrariums]. Stuttgart, Kosmos, 1965. 69 p. QL78.J6
Chiefly insects.
- 39218 JOHNSON, C. G. A functional system of adaptive dispersal by flight. *Annu. Rev. Entomol.* 11:233-260. Ref. 1966. 421 An72
- 39219 JOUBERT, C. J. Dealing with unknown insects. *Farming S. Afr.* 41(7):11,13. Oct.1965. 24 So842
Identification.
- 39220 JUDD, W. W. Studies of the Byron Bog in southwestern Ontario. XX. Insects and millipeds associated with fungi. *Can. Field-Natur.* 79(1):25-28. Ref. Jan./Mar.1965. 410.9 Ot8
- 39221 KOSSWIG, C. Genetic basis of polymorphism. (Ge) *Zool. Anz.* 175(1):21-50. Ref. July 1965. 410 Z7
Includes insects.
- 39222 LUNDT, H. Ecological investigations of animal colonization of carrion in soil. (Ge) *Pedobiologia* 4(3):158-180. Ref. 1964. 56.8 P343
English summary.
Insects and myriapods.
- 39223 MACAN, T. T. The fauna in the vegetation of a moorland fishpond. *Arch. Hydrobiol.* 61(3):273-310. Ref. June 1965. 410 Ar28
Includes aquatic insects in Great Britain.
- 39224 MADELIN, M. F. Fungal parasites of insects. *Annu. Rev. Entomol.* 11:423-448. Ref. 1966. 421 An72
- 39225 MARTIN, J. L. The insect ecology of old-field red pine plantations in central Ontario. I-II. *Entomol. Soc. Ontario. Proc.* 95:70-102, map. Ref. 1964, pub.1965. 420 On8
I, Description of the study area; II, Soil-surface fauna as indicators of stand change.
Includes list of arthropods collected.
- 39226 MOREAU, C. Introduction to the study of soil fauna. (Fr) *Natur. Belg.* 46(6):257-282. Ref. July/Aug.1965. 410.9 N21
Includes insects.
- 39227 NARAHASHI, T. The physiology of insect axons. In Treherne, J. E., and Beament, J. W. L., ed. *The physiology of the insect central nervous system*, p.1-20. Ref. 1965. 420 T71
- 39228 PETTEE, R. E., and GIFFORD, C. E. The distribution of macro-invertebrates in littoral macrophytes in a northern Indiana lake. *Ind. Acad. Sci. Proc.* 74:393-397. 1964, pub.1965. 500 In2
Aquatic insects.
- 39229 ROWELL, C. H. F. The control of reflex responsiveness and the integration of behaviour. In Treherne, J. E., and Beament, J. W. L., ed. *The physiology of the insect central nervous system*, p.157-164. 1965. 420 T71
- 39230 RYABOV, V. F. Nutrition of hoopoes (*Upupa e. epops* L.) in northern Kazakhstan steppes. (Rus) *Moscow. Univ. Vestnik. Ser. 6*, 6:13-15. Nov./Dec.1965. 442.9 M854
Includes insect food.
- 39231 SCHUBART, O., AGUIRRE, A. C., and SICK, H. Contribution to the knowledge of the food of Brazilian birds. (Por) *Arq. Zool. Estad. Sao Paulo* 12:95-249. Ref. 1965. 410 Ar6
German summary.
Insect and plant food.
- 39232 SICK, H. Fauna of the hinterlands. (Por) *Arq. Zool. Estad. Sao Paulo* 12:71-93. Ref. 1965. 410 Ar6
German summary.
Brazil; includes insects.
- 39233 SIDDALL, J. B., and others. Synthetic studies on insect hormones. I. Synthesis of the tetracyclic nucleus of ecdysone. *Amer. Chem. Soc. J.* 88(2):379-380. Jan.20,1966. 381 Am33J
J. P. Marshall, A. Bowers, A. D. Cross, J. A. Edwards, and J. H. Fried, joint authors.
- 39234 SMITH, D. S. Synapses in the insect nervous system. In Treherne, J. E., and Beament, J. W. L., ed. *The physiology of the insect central nervous system*, p.39-57. Ref. 1965. 420 T71
- 39235 SOUTHWOOD, T. R. E., and SIDDORN, J. W. The temperature beneath insect emergence traps of various types. *J. Anim. Ecol.* 34(3):581-585. Oct.1965. 410 J826
- 39236 TREHERNE, J. E., and BEAMENT, J. W. L., ed. *The physiology of the insect central nervous system*; papers from the 12th International Congress of Entomology held in London, 1964. London, Acad. Press, 1965. 277 p. Ref. 420 T71
Epilogue, by K. D. Roeder, p.247-252.
- 39237 UTAH. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H entomology project. I-III, by G. F. Knowlton. Logan, 1964. 3 v. (Its 4-H Series, A-12) 275.2 U132
Collecting insects.
- 39238 VILLIERS, A. *Les insectes* [The insects]. Paris, Hachette, 1964. 63 p. Ref. (Encyclopedie par l'Image, No.74) 422 V44
Includes illustrations and behavior
- 39239 WHITBECK, L. The horsehair snake [Nematomorpha]. *Frontiers* 29(4):104-106. Apr.1965. 410 F92
Insect parasite.
- 39240 WILSON, D. M. Insect walking. *Annu. Rev. Entomol.* 11:103-122. Ref. 1966. 421 An72

Arachnida, Myriapoda, etc.

- 39241 ALLRED, D. M. Note of Phalangids at the Nevada test site. *Great Basin Natur.* 25(1/2):37-38. July 8,1965. 410 G79
- 39242 ARCHER, A. F. A new species of *Cyphalonotus* from Central Africa (Araneae, Argiopidae). *Rev. Zool. Bot. Afr.* 72(1/2):79-82. Sept.30, 1965. 410 R326
Cyphalonotus benoitii n. sp.

- 39243 ARZAMASOV, I. T. Ectoparasites of the mole (*Talpae europaea* L.) in Belorussia. (Rus) Akad. Nauk Belorussk. SSR. Dokl. 9(11):777-778. Nov.1965. 511 M663D
Ticks.
- 39244 BAKER, E. W. A review of the genera of the family Tydeidae (Acarina). Advance. Acarology 2:95-133. Ref. 1965. 434.8 Ad9
Includes *Paralorryia* n. g., *Paratriophtydeus* n. g. and n. spp. in Tydeus, Lasiotydaeus, Tydulosus n. g., Lorryia, Triophtydeus, Coccotydaeus n. g., Parapronematus n. g., and Pronematus n. g.
- 39245 BEAUCOURNU, J. C., and ROBERT, Y. Description of the *Ixodes acuminatus* Neumann 1901 male. (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37(3):444-461. Ref. 1965. 410.9 P213
- 39246 BECK, L. Über Variabilität und Wertigkeit morphologischer Merkmale bei adulten Oribatiden (Arachnida, Acari) am Beispiel der Gattung Rostrozetes Sellnick 1925 [Variability and value of morphological characteristics of the oribatids (Arachnida, Acarina) illustrated by genus Rostrozetes Sellnick 1925]. Senckenb. Naturforsch. Ges. Frankfurt am Main. Abhandl. 508,64 p.,map. Ref. 1965. 410.9 Se52
- 39247 BENOIT, P. L. G. The African and Malagasy Barychelidae Diplohelinae (Araneae, Orthognatha). (Fr) Rev. Zool. Bot. Afr. 72(1/2):25-40. Sept.30,1965. 410 R326
Includes n. spp. in Urothele.
- 39248 BENOIT, P. L. G. The genera of African Barychelidae Leptopelmatainae (Araneae, Orthognatha). (Fr) Rev. Zool. Bot. Afr. 72(1/2):72-78. Sept.30,1965. 410 R326
- 39249 BOISSIN, L. Morphology of adult and nymph Hysterochelifer meridianus L. Koch (Arachnida, Pseudoscorpionida, Cheliferidae). (Fr) Soc. Zool. France, Bull. 89(5/6):650-669. Ref. 1964, pub.1965. 410.9 P214B
- 39250 BOREK, V. Czechoslovak Geophilomorpha. (Cz) Ziva 13(4):141-142. July 1965. 409.6 Z6
- 39251 BOWMAN, T. E. Xilitloniscus, a new genus for the Mexican troglolithic isopod, Cordioniscus laevis Rioja (Oniscoidea: Trichoniscidae). Biol. Soc. Wash. Proc. 78:209-216. Ref. Oct.8, 1965. 500 W272
- 39252 BREGETOVA, N. G. Acarology in the U.S.S.R. Advance. Acarology 2:1-30. Ref. 1965. 434.8 Ad9
Faunal aspects, biology, taxonomy, and ecology of Acarina.
- 39253 BYZOVA, YU. B. Oribatid mites of southeastern foothill area of Salain Ridge (Kemerovo Region). (Rus) Pedobiologia 4(3):181-191. Ref. 1964. 56.8 P343
German summary.
- 39254 CHAMBERLIN, R. V. A new genus and species in the chilopod family Tampiidae. Great Basin Natur. 25(1/2):39-42. July 8,1965. 410 G79
Abatorus allredi n. g., n. sp.
- 39255 CHRYSANTHUS, F. Comment on the supplement to the application concerning the validation of Amaurobius C. L. Koch and Coelotes Blackwall Z.N.(S.) 1625. Bull. Zool. Nomencl. 22(4):216-217. Nov.2,1965. 410 B874
- 39256 COOKE, J. A. L. Systematic aspects of the external morphology of *Dysdera crocata* and *Dysdera erythrina* (Araneae, Dysderidae). Acta Zool. [Stockholm] 46(1/2):41-65. Ref. 1965. 410 Ac8
- 39257 CUNNINGTON, A. M. Physical limits for complete development of the grain mite, *Acarus siro* L. (Acarina, Acaridae), in relation to its world distribution. J. Appl. Ecol. 2(2):295-306. Ref. Nov.1965. 410 J828
The effects of temperature and humidity.
- 39258 DALENS, H. Double monstrosity of *Armadillidium vulgare* (Latreille). (Fr) Soc. Zool. France. Bull. 89(4):459-461. 1964. 410.9 P214B
In larval stage.
- 39259 DAVIS, R. An eriophyid mite, *Aceria spicata*, n. sp., from mountain maple, *Acer spicatum*. Fla. Entomol. 48(3):205-206. Sept.1965. 420 F662
- 39260 DEMANGE, J. M. Some Spirostreptoidea (Myriapoda, Diplopoda) from the Ivory Coast and from Guinea (Nimba). Preliminary note. (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37(2):318-328. Ref. 1965. 410.9 P213
Includes new spp. in Peridontopyge.
- 39261 DENIS, J. Notes on Erigonidae. XXIX. A form from the Pyrenees, *Erigonella subelevata* L. Koch. (Fr) Soc. Zool. France. Bull. 89(5/6):673-675. 1964, pub.1965. 410.9 P214B
- 39262 DIDIER, P. Observations on the ultrastructure of the seric epithelium in the spider: *Pholcus phalangioides* (Fuessli). (Fr) Paris. Soc. Biol. Compt. Rend. 159(3):659-660. 1965. 442.9 P21
- 39263 EXLINE, H., and WHITCOMB, W. H. Clarification of the mating procedure of *Peucetia viridans* (Araneida: Oxyopidae) by a microscopic examination of the epigynal plug. Fla. Entomol. 48(3):169-171. Sept.1965. 420 F662
- 39264 FAIN, A. Diagnosis of new parasitic Acarina. (Fr) Rev. Zool. Bot. Afr. 72(1/2):152-160. Sept.30,1965. 410 R326
Includes n. spp. in Congocoptes, Passerrhinoptes, Schoutedenocoptes, Rhinoptes, Ptilonyssus, Sternostoma, and Psittanyssus.
- 39265 FAIN, A. A review of the family Rhyncoptidae Lawrence parasitic on porcupines and monkeys (Acarina: Sarcopiformes). Advance. Acarology 2:135-159. 1965. 434.8 Ad9
- 39266 FAIN, A. Some mites parasitic in the nasal organs of South American birds (Rhynonyssidae, Mesostigmata). (Fr) Soc. Roy. Zool. Anvers. Bull. 33:3-12. Apr.1964. 410.9 So193
Includes n. spp. in Ptilonyssus.
- 39267 FOOTT, W. H. Geotactic response of the two-spotted spider mite, *Tetranychus urticae* Koch (Acarina: Tetranychidae). Entomol. Soc. Ontario. Proc. 95:106-108. 1964, pub.1965. 420 On8
- 39268 FOWLER, D. J., and GOODNIGHT, C. J. An apparatus for recording the activity of opilions. Entomol. Soc. Amer. Ann. 58(6):825-827. Nov.1965. 420 En82
- 39269 FRIEDLANDER, C. P. Aggregation in *Oniscus asellus* Linn. Anim. Behav. 13(2/3):342-346. Apr./July 1965. 410 B77
- 39270 GILYAROV, M. S. The millipedes (Juloidea) and their role in soil formation. 9 p. Ref. (TT 65-50059) Transl. 14974
Translation from Pochvovedenie 6:74-80. 1957. CFSTI: \$1.00.
- 39271 GOUIN, F. J. Morphology, histology and life history of Myriapoda and insects. III. The nervous and neurocrine system. (Ge) Fortschr. Zool. 17(2):189-237. Ref. 1965. 410 F77
- 39272 HEURTAULT-ROSSI, J., and JEZEQUEL, J. F. Observations on *Feaella mirabilis* Ell. (Arachnida, Chelonethida); chelicerae and pedipalpi of nymphs and adults, description of genitalia. (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37(3):450-461. 1965. 410.9 P213
- 39273 HOFFMAN, R. L., and LOHMANDER, H. The Diplopoda of Turkey. Hamburg. Zool. Mus. Inst. Mitt. 62:101-151, map. Ref. Dec.1964. 410.9 H172
Includes n. spp. in Dorypetalum and in Eurygyrus.
- 39274 HOOGSTRAAL, H., and KOHLS, G. M. Bat ticks of the genus *Argas* (Ixodoidea, Argasidae). 6. The female and larva of *A. (Carios) australiensis*. Entomol. Soc. Amer. Ann. 58(6):816-820. Nov.1965. 420 En82
- 39275 JOHNSTON, D. E. Comparative studies on the mouth-parts of the mites of the suborder Acari-dei (Acari). Diss. Abs. 26(7):4127. Jan.1966. 241.8 M58

- 39276 JOHNSTON, D. E., and BRUCE, W. A. Tyrophagus neiswanderi, a new acarid mite of agricultural importance. Ohio. Agr. Res. Develop. Center. Res. Bull. 977, 17 p. Ref. Dec. 1965. 100 Oh3S
Includes list of Tyrophagus species.
- 39277 JUDD, W. W. Spiders and their insect prey from heads of ox-eye daisy, Chrysanthemum leucanthemum L., in southwestern Ontario. Entomol. Soc. Ontario. Proc. 95:137-139. 1964, pub. 1965. 420 On8
- 39278 LAGARRIGUE, J. G. Cuticular changes during the molting cycle in a terrestrial isopod: Armadillo officinalis (Latreille). (Fr) Soc. Zool. France. Bull. 89(4):310-316. 1964. 410.9 P214B
- 39279 LEGENDRE, R. Morphology and development of Chelicerata: embryology, development and anatomy of Araneida. (Fr) Fortschr. Zool. 17(2):238-271. Ref. 1965. 410 F77
- 39280 LINDQUIST, E. E. An unusual new species of Hoploseius Berlese [H. tenuis] (Acarina: Blattisociidae) from Mexico. Can. Entomol. 97(11): 1121-1131. Nov. 1965. 421 C16
- 39281 MCCRONE, J. D., and NETZLOFF, M. L. An immunological and electrophoretic comparison of the venoms of the north American Latrodectus spiders. Toxicon 3(2):107-110. Ref. Nov. 1965. 391.8 T66
- 39282 MERRETT, P. The palpal organs of Acartachenus scurrilis and Syedra gracilis (Araneae: Linyphiidae). J. Zool. 146(4):467-469. Oct. 1965. 410.9 L84P
- 39283 MITCHELL, R., and WILSON, J. L. New species of water mites (Unionicola) from Tennessee unionid mussels. Tenn. Acad. Sci. J. 40(3):104-106. July 1965. 500 T25A
- 39284 MOREL, P. C., and MOUCHET, J. The ticks of Cameroon (Ixodidae and Argasidae). 2. (Fr) Ann. de Parasitol. Humaine et Compar. 40(4): 477-496. Ref. July/Aug. 1965. 436.8 An7
- 39285 NAPPI, A. J. Notes on the courtship and mating habits of the wolf spider Lycosa helluo Walckenaer. Amer. Midland Natur. 74(2):368-373. Oct. 1965. 410 M58
- 39286 NERI, L., BETTINI, S., and FRANK, M. The effect of Latrodectus mactans tredecimguttatus venom on the endogenous activity of Periplaneta americana nerve cord. Toxicon 3(2):95-99. Ref. Nov. 1965. 391.8 T66
- 39287 ROBAUX, P. Thrombidiidae from Lorraine. I. (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser. 2) 37(3):436-443. 1965. 410.9 P213
- 39288 ROSIN, R. On regeneration in scorpions. Israel J. Zool. 13(4):177-183. Ref. Apr. 1965. 410 Is7
- 39289 SENEVET, G., and RIPERT, C. Apropos of some Ixodidae larvae from North Africa. (Fr) Inst. Pasteur Algerie. Arch. 42:73-93. Ref. 1964. 448.3 In7A
- 39290 SUSKI, Z. W. Tarsonemoides pomi n. sp., a new tarsonemid mite from apple trees in Poland (Acarina, Tarsonemidae). Acad. Polon. des Sci. B. Ser. des Sci. Biol. 13(8):469-474. 1965. 512 W262
- 39291 SUZUKI, S. Three species of Ischyropsalidae (Phalangida) from Hokkaido. Annot. Zool. Jap. 38(1):39-44. Mar. 1965. 410 An79
Ischyropsalis yezoensis, Sabacon makinoi, and S. habei n. sp.
- 39292 SWIRSKI, E., and AMITAI, S. Further phyto-seiid mites (Acarina: Phytoseiidae) of Israel, with a description of one new species. Israel J. Agr. Res. 15(3):123-138, map. Ref. July 1965. 107 J552
New sp. in Amblyseius.
- 39293 VACHON, M. Remarks on some scorpions belonging to the genera Nebo Simon 1878 (Diplo-centridae) and Hemiscorpion Peters 1861 (Scorpionida). (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser. 2) 37(2):308-317. Ref. 1965. 410.9 P213
Nebo hierochonticus and Hemiscorpion maindroni.
- 39294 VACHON, M., and GABBUTT, P. D. The utilization of the blades of the cheliceral flagellae in the identification of the genera Neobisium J. C. Chamberlin and Roncus L. Koch (Arachnida, Pseudoscorpionida, Neobisiidae). (Fr) Soc. Zool. France. Bull. 89(2/3):174-188. Ref. 1964. 410.9 P214B
English summary.
- 39295 VANDEL, A. Respiratory organs in the establishment of a reasonable classification of the terrestrial isopods (Oniscoidea). (Fr) Soc. Zool. France. Bull. 89(5/6):730-736. Ref. 1964, pub. 1965. 410.9 P214B
Porcellionidae and Eubelidae.
- 39296 VICARI, G., and others. Action of Latrodectus mactans tredecimguttatus venom and fractions on cells cultivated in vitro. Toxicon 3(2):101-106. Ref. Nov. 1965. 391.8 T66
S. Bettini, C. Collotti, and N. Frontali, joint authors.
- 39297 VILBASTE, A. On fauna and seasonal population dynamics of spiders of estuary meadows of Estonia. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:284-301. Ref. 1964. 442.9 Ak18
Germany summary.
- 39298 VILBASTE, A. Summer fauna of spiders of cultivated pastures. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 3:329-337. 1965. 442.9 Ak18
German summary.
- 39299 WALLWORK, J. A. Some Oribatei (Acari: Cryptostigmata) from Tchad. Rev. Zool. Bot. Afr. 72(1/2):83-108. Sept. 30, 1965. 410 R326
Includes n. spp. in Africacarus, Hypozetes, Ceratozetes, Unguizetes, Galumna, Allogalumna, and Trichogalumna.
- 39300 WANG, T. C., and others. Studies of two types of Trombicula deliensis Walch (Trombiculidae, Acarina). (Ch) Acta Entomol. Sinica 14(4):308-389. 1965. 421 K96
T. P. Chen, S. C. Wen, and H. J. Liao, joint authors.
English summary.
- 39301 WEYGOLDT, P. Comparative embryological studies of pseudoscorpions. II. The second embryonal phase of Lasiochernes pilosus Ellingen and Cheridium museum Leach. (Ge) Zool. Beitr. 10(3):353-368. 1964. 410 Z753
- 39302 WHITCOMB, W. H., and EASON, R. The mating behavior of Peucetia viridans (Araneida: Oxyopidae). Fla. Entomol. 48(3):163-167. Sept. 1965. 420 F662
- 39303 WIEHLE, H. Contribution to the German spider fauna. 4. (Ge) Berlin Zool. Mus. Mitt. 41(1):11-57. Ref. 1965. 410.9 B45
Include n. spp. in Robertus and Horcotes.
- 39304 WILKINSON, P. R. Permeability of the sagittiform sensilla in ixodid ticks [Dermacentor andersoni] and their possible relation to hygroreception. Can. Entomol. 97(10):1116-1118. Oct. 1965. 421 C16
- 39305 WINSTON, P. W., and NELSON, V. E. Regulation of transpiration in the clover mite Bryobia praetiosa Koch (Acarina: Tetranychidae). J. Exp. Biol. 43(2):257-269. Ref. Oct. 1965. 442.8 B77
- 39306 ZDAREK, J. Czechoslovak arachnids. (Cz) Ziva 13(4):143-144. July 1965. 409.6 Z6
- 39307 ZOLOTAREV, E. KH., and SINITSYNA, E. E. Chemoreceptive organs of the forelegs of the ixodid ticks. (Rus) Moscow. Univ. Vestnik. Ser. 6, 1:17-25. Ref. Jan./Feb. 1965. 442.9 M854

Coleoptera

- 39308 AITKEN, A. D. A new species of Oryzaephilus [O. gibbosus] (Coleoptera: Silvanidae) from East Africa. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(9/10):123-126. Oct. 22, 1965. 420 L84Pb

- 39309 ASHFORD, R. W. *Lymphotropha tribolii* gen. nov., sp. nov., Neogregarinida, Schizocystidae, from the haemocoel of *Tribolium castaneum* (Herbst). *J. Protozool.* 12(4):609-615. Ref. Nov.1965. 439.8 J82
- 39310 BARTER, G. W. Survival and development of the bronze poplar borer *Agrilus liragus* Barter and Brown (Coleoptera: Buprestidae). *Can. Entomol.* 97(10):1063-1068. Ref. Oct.1965. 421 C16
Host plant relations in 5 spp. of *Populus*.
- 39311 BASILEWSKY, P. New African Carabidae Coleoptera. XV. (Fr) *Rev. Zool. Bot. Afr.* 72 (1/2):138-151. Sept.30,1965. 410 R326
Includes n. spp. in *Dromica*, *Erectocolluris*, *Odacantha*, *Eucolluris*, and *Styphlomerus*.
- 39312 BERTRAND, H., and WATTS, C. Early stages of *Sclerocyphon* Blackb. (Coleoptera, Eubridae). (Fr) *Paris. Mus. Nat. Hist. Natur. Bull.* (ser.2)37(3):412-435. Ref. 1965. 410.9 P213
Larvae and nymphs.
- 39313 BOWERS, W. S., THOMPSON, M. J., and UEBEL, E. C. Juvenile and gonadotropic hormone activity of 10,11-epoxyfarnesenic acid methyl ester. *Life Sci.* 4(23):2323-2331. Ref. Dec.1965. 442.8 L62
Tenebrio molitor and *Periplaneta americana*, test insects.
- 39314 BREUNING, S. New cerambycids from the collection of the Zoological Museum of Humboldt University in Berlin (Coleoptera, Cerambycidae). (Ge) *Berlin. Zool. Mus. Mitt.* 41(1):81-93. 1965. 410.9 B45
Includes *Trichorsidis*, *Spinenicodes*, *Pseudomoron*, *Mimassinia*, *Spinopterolophia*, and *Paradriopea* n. gg., and n. spp. in *Idactus*, *Oeax*, *Prosopocera*, *Phrynetia*, *Callimetopus*, *Pterolophia*, *Prosopius*, *Rhytiphora*, *Eunidia*, *Mimoropica*, *Ropica*, *Sybra*, *Athylia*, *Ebaeides*, *Anauxesida*, *Scapozygocera*, *Amblymora*, *Phylarus*, and *Exocentrus*.
- 39315 BRIGGS, J. B. Biology of some ground beetles (Col., Carabidae) injurious to strawberries. *Bull. Entomol. Res.* 56(1):79-93. Ref. Oct. 1965. 421 B87
- 39316 BRIGHT, D. E. Biosystematics of the genus *Pseudohylesinus* Swaine (Coleoptera: Scolytidae). *Diss. Abs.* 26(7):4122. Jan.1966. 241.8 M58
- 39317 CALS, P. Modification in the way of life of the parasite *Aleochara algarum* Fauvel (Coleoptera, Staphylinidae) in connection with a variation of phenologic coincidence in its host *Coleopa frigida* Fallen (Diptera, Coelopidae). (Fr) *Soc. Zool. France. Bull.* 89(5/6):760-766. Ref. 1964, pub.1965. 410.9 P214B
- 39318 CARLSON, A. D. Factors affecting firefly [*Photuris*] larval luminescence. *Biol. Bull.* 129(2):234-243. Ref. Oct.1965. 442.8 B52
- 39319 CHEMSAK, J. A. A new subspecies of *Oeme costata*, with observations on the habits of larvae and adults (Coleoptera: Cerambycidae). *Kans. Entomol. Soc. J.* 38(4):351-355. Oct. 1965. 420 K13
Abies bracteata host in California.
- 39320 COWAN, B. D., and NAGEL, W. P. Predators of the Douglas-fir beetle [*Dendroctonus pseudotsugae*] in western Oregon. *Oreg. Agr. Exp. Sta. Tech. Bull.* 86,32 p. Ref. Oct.1965. 100 Or3S
Thanasimus undatulus and several *Enoclerus* species.
- 39321 CRANBROOK, E. Notes on a foraging group of serotine bats (*Eptesicus serotinus*, Schreber). *Suffolk Natur. Soc. Trans.* 13(1):15-19. Feb. 1965. 410.9 Su2
Eating *Amphimallon solstitialis*.
- 39322 DALE, P. S. Two new nematodes of the genus *Tetleyus* (Thelastomatidae) from insect larvae. *New Zeal. J. Sci.* 8(4):521-530. Dec.1965. 514 N482
From *Pericoptus* and *Macromastix* spp.
- 39323 DALY, H. V., and SOKOLOFF, A. *Labiopodia*, a sex-linked mutant in *Tribolium confusum* Duval (Coleoptera: Tenebrionidae). *J. Morphol.* 117(2):251-269. Ref. Sept.1965. 444.8 J826
- 39324 DAWSON, P. S. Genotype-environment interactions and developmental rate in the flour beetles *Tribolium castaneum* and *T. confusum* (Coleoptera, Tenebrionidae). *Ann. Appl. Biol.* 56(1):21-25. Aug.1965. 442.8 An72
- 39325 EDDLEMAN, H. Scar; a temperature sensitive mutation in *Tribolium castaneum* Herbst. *Ind. Acad. Sci. Proc.* 74:398-401. 1964, pub. 1965. 500 In2
- 39326 GIGLIOLI, M. E. C. Some observations on blister beetles, family Meloidae, in Gambia, West Africa. *Roy. Soc. Trop. Med. Hyg. Trans.* 59(6):657-663. Ref. Nov.1965. 448.9 R813
Cylindrothorax melanocephala, *Psalydolytta substrigata* and *P. fusca*.
- 39327 GOEDEN, R. D. The biology and ecology of *Scolytus quadrispinosus* Say (Coleoptera: Scolytidae) with emphasis on factors influencing its host specificities. *Diss. Abs.* 26(7):3560. Jan.1966. 241.8 M58
- 39328 GOEDEN, R. D., and NORRIS, D. M. Some biological and ecological aspects of ovipositional attack in *Carya* spp. by *Scolytus quadrispinosus* (Coleoptera: Scolytidae). *Entomol. Soc. Amer. Ann.* 58(6):771-776. Ref. Nov.1965. 420 En82
Wisconsin.
- 39329 GONZALES, C. Q. Some biological and ecological studies of *Acalymma trivittata* (Mann.) (Coleoptera: Chrysomelidae). *Diss. Abs.* 26(6):2986-2987. Dec.1965. 241.8 M58
- 39330 GRAVES, R. C. The distribution of tiger beetles in Ontario (Coleoptera: Cicindelidae). *Entomol. Soc. Ontario. Proc.* 95:63-70, map. Ref. 1964, pub.1965. 420 On8
- 39331 GRESSITT, J. L., SEDLACEK, J., and SZENTIVANY, J. J. H. Flora and fauna on backs of large Papuan moss-forest weevils. *Science* 150(3705):1833-1835. Ref. Dec.31,1965. 470 Sci2
Gymnopholus.
- 39332 HABERMAN, H. An ecological and zoogeographical analysis of the Estonian fauna of Carabidae (Coleoptera). (Es) *Akad. Nauk Est. SSR. Izv. Ser. Biol.* 1:3-27, map. 1965. 442.9 Ak18
English summary.
- 39333 HATCH, M. H., and others. The beetles of the Pacific Northwest. IV. Macroductyles, Palpicornes, and Heteromera. *Wash. Univ. Publ. Biol.* 16,268 p. Ref. 1965. 442.9 W27
D. V. Miller, D. V. McCorkle, F. Werner, and D. W. Boddy, joint authors.
Includes n. spp. in *Heterocerus*, *Ochthebius*, *Elophorus*, *Cercyon*, *Cymbiodyta*, *Pectotoma* n. g., *Dircaea*, *Abdera*, *Xylita*, *Emmesa*, *Rhinosisimus*, *Anaspis*, *Epicauta*, *Stereopalpus*, *Hymenophorus*, *Telesicles*, and *Mycetochara*.
- 39334 HAVERFIELD, L. E. A note on the mating ritual and biology of *Eleodes hispilabris connexa* (Coleoptera: Tenebrionidae). *Kans. Entomol. Soc. J.* 38(4):389-391. Oct.1965. 420 K13
- 39335 HEYNEMAN, R. A. Final purification of a latent phenolase with mono- and diphenoloxidase activity from *Tenebrio molitor*. *Biochem. Biophys. Res. Commun.* 21(2):162-169. Ref. Oct.26,1965. 442.8 B5236
- 39336 HEYROVSKY, L. Czechoslovak Oedemeridae. (Cz) *Ziva* 13(6):220. Nov.1965. 409.6 Z6
- 39337 HOOPINGARNER, R. A., KUMARARAJ, S., and FRENCH, A. L. Gametogenesis and radiation effects in the cereal leaf beetle, *Oulema melanopa*. *Entomol. Soc. Amer. Ann.* 58(6):777-781. Ref. Nov.1965. 420 En82
- 39338 HOSSEINIE, S. O. Effects of nutrition on duration of instars in *Tropisternus* (Coleoptera: Hydrophilidae). *Ind. Acad. Sci. Proc.* 74:195-196. 1964, pub.1965. 500 In2

- 39339 JANTZ, O. K. Studies on the olfactory behavior of the Douglas-fir beetle, *Dendroctonus pseudotsugae* Hopkins. Diss. Abs. 26(6):2988-2989. Dec.1965. 241.8 M58
- 39340 KAMIYA, H. Coccinellid-fauna of the Ryukyu Islands, south of the Amami group (Coleoptera). Kontyu 33(1):97-122. Ref. Mar.1965. 421 K833
Includes n. spp. in *Axinoscymnus*, *Scymnus*, *Stricholotis*, *Stictobura*, *Sukunahikona*, and *Serangium*.
- 39341 KATO, K. Cytochemical and electron microscope study of the elimination chromatin in *Dytiscidae*. Diss. Abs. 26(7):4127-4128. Jan. 1966. 241.8 M58
- 39342 KENNINGTON, G. S. Quantitative aspects of maximum oxygen deficiency in *Tribolium confusum* Duval. Physiol. Zool. 39(1):77-80. Jan. 1966. 410 P56
- 39343 KISTNER, D. H. New species and new records of *Pygostenini* from Liberia, Ivory Coast, and Cameroun (Coleoptera; *Staphylinidae*). Kans. Entomol. Soc. J. 38(4):325-351. Ref. Oct. 1965. 420 K13
New spp. in *Typhloponemys*, *Pogostenus*, *Doryloxenus*, and *Micropolemon*.
- 39344 KLOSS, G. R. Considerations about *Thelastoma* Leidy 1850 and *Cephalobellus* Cobb 1920 (Nematoda). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:131-179. Ref. 1965. 410.9 Sa63
Parasites of Coleoptera.
- 39345 KNULL, J. N. A new species of *Enoclerus* from the Western United States (Coleoptera: *Cleridae*). Entomol. News [Philadelphia] 76(8): 210-213. Oct.1965. 421 En88
Enoclerus barri n. sp.
- 39346 LANE, F., and MARTINS, U. R. New species of *Coccoderus* Buquet 1840 [*C. spinosus*] (Coleoptera, *Cerambycinae*). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 18:17-20. 1965. 410.9 Sa63
English summary.
- 39347 LAVIGNE, R. Abnormal antenna in *Batyle ignicollis* (Coleoptera: *Cerambycidae*). Kans. Entomol. Soc. J. 38(4):358. Oct.1965. 420 K13
- 39348 LE MASNE, G., and TOROSSIAN, C. Observations on the behavior of a myrmecophilous coleopteran *Amorphocephalus coronatus* Germar (*Brenthidae*) guest of *Camponotus*. (Fr) Insectes Sociaux 12(2):185-194. June 1965. 421 In79
- 39349 LENDER, T., and LAVERDURE, A. M. Evolution of ovary, vitellogenesis and the secretion of corpora allata of nymph and adult *Tenebrio molitor* (Coleoptera). (Fr) Soc. Zool. France. Bull. 89(4):495-509. 1964. 410.9 P214B
- 39350 LIN, P. Results of the entomological expedition to Tibet in 1960-61 (Coleoptera: *Scarabaeidae*, *Rutelinae*). Acta Entomol. Sinica 14(4):390-394. 1965. 421 K96
Includes n. spp. in *Phyllopertha* and *Ischnopopillia*.
- 39351 LINDBERG, G. U. Terrestrial zoogeography and fluctuations in sea level. U. S. Joint Publ. Res. Serv. Transl. Zool. Zh. 43(3):385-397, map. Ref. 1964. (JPRS 26,372; TT 64-41631) 173 J663Tzo
Geographic distribution of weevils in USSR. Translation from Zoologicheskii Zhurnal 43 (3):385-397. 1964.
- 39352 MARCUZZI, G. Observations on the relationships between tenebrionid fauna and soil. Pedobiologia 4(3):210-219, map. Ref. 1964. 56.8 P343
Italy.
- 39353 MARTINS, U. R. The genus *Crotchida* Fowler 1886 (Coleoptera, *Languriidae*) (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:291-299. 1965. 410.9 Sa63
English summary.
Includes n. spp.
- 39354 MARTINS, U. R. *Ibidionini* (Coleoptera, *Cerambycinae*). XXIV. Division of the genus *Compsoa* Perty 1832. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:89-107. Ref. 1965. 410.9 Sa63
English summary.
Includes *Xenocompsa* n. g., *Heterocompsa* n. g., and *Neocompsa* n. g.
- 39355 MARTINS, U. R. *Ibidionini* (Coleoptera, *Cerambycinae*). XXV. *Ophtalmoplus*, new genus with five new species. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:119-129. 1965. 410.9 Sa63
English summary.
- 39356 MARTINS, U. R. *Ibidionini* (Coleoptera, *Cerambycinae*). XXVI. *Ibidionini* from Riksmuseum, Stockholm. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:201-217. Ref. 1965. 410.9 Sa63
English summary.
Includes n. spp. in *Octoplon*, *Ibidion*, and *Heterachtes*.
- 39357 MARTINS, U. R. New genus of *Languriinae* (Coleoptera, *Languriidae*). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:255-258. 1965. 410.9 Sa63
English summary.
Includes n. sp. in *Oxydactylus* n. g.
- 39358 MARTOJA, R. A particular type of female genitalia of the insects: the gland like ovarioles of the Coleoptera *Steraspis speciosa* (Heterogastera, *Buprestidae*). (Fr) Soc. Zool. France. Bull. 89(5/6):614-641. Ref. 1964, pub. 1965. 410.9 P214B
- 39359 MCDONALD, D. J., and DAVIDSON, L. J. Population fitness in *Tribolium [confusum]*. I. Amer. Natur. 99(909):463-470. Ref. Nov/Dec. 1965. 470 Am36
- 39360 MORDUE, D. L. Spectral sensitivity of the compound eye of the boll weevil [*Anthonomus grandis*] using the electroretinogram. Diss. Abs. 26(7):4041. Jan.1966. 241.8 M58
- 39361 MOXEY, C. F. The genus *Ochrus* (Coleoptera: *Cerambycidae*). Entomol. News [Philadelphia] 76(9):240-241. Nov.1965. 421 En88
Includes *Ochrus improvisus* n. sp.
- 39362 MUNIZ, V. R. Notas sobre *Zygopinae*. I. *Copturomimus lunatus* nov. comb [Notes on *Zygopinae*. I. *Copturomimus lunatus* nov. comb]. Acta Zool. Mex. 7(5), 9 p. Apr.10, 1965. 410 Ac84
Transferred from *Copturus*.
- 39363 OTVOŠ, I. S. Studies on avian predators of *Dendroctonus brevicornis* LeConte (Coleoptera: *Scolytidae*) with special reference to *Picidae*. Can. Entomol. 97(11):1184-1199. Ref. Nov. 1965. 421 C16
- 39364 PARK, O. Observations upon the behavior of myrmecophilous pselaphid beetles. Pedobiologia 4(3):129-137. Ref. 1964. 56.8 P343
- 39365 PAVIOUR-SMITH, K. Some factors affecting numbers of the fungus beetle *Tetratoma fungorum* F. J. Anim. Ecol. 34(3):699-724. Ref. Oct.1965. 410 J826
Feeding on *Polyporus betulinus*.
- 39366 PITMAN, G. B., VITE, J. P., and RENWICK, J. A. A. Variation in olfactory behavior of *Ips confusus* (LeC. (Coleoptera: *Scolytidae*) between laboratory and field bioassays. Naturwissenschaften 53(2):46-47. Jan.15, 1966. 474 N213
- 39367 POGGE, F. L. The sextons [*Nicrophorus*]-insect gravediggers. Conservationist 19(5):32-33. Apr./May 1965. 279.8 N48
- 39368 RADU, V. GH., and GRECEA, A. Larvae of soil Coleoptera. 2. *Elaeidae*. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):41-46. Ref. 1965. 442.9 C62
Russian and French summary.
- 39369 REICHARDT, H. The Asian species of *Galeritula* Strand (Coleoptera, *Carabidae*). Breviora 225:1-16. July 15, 1965. 410 B75

- 39370 REICHARDT, H. On Nilio (Micronilio) as described from a new species [*N. lenkoi*] (Coleoptera, Nilionidae). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:109-112. 1965. 410.9 Sa63
English summary.
- 39371 REICHARDT, H. Scolytoidea (Coleoptera). 3. A new Platypus [*P. tirtiosensis*] from Amazonia. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:53-56. 1965. 410.9 Sa63
English summary.
- 39372 ROLSTON, L. H., and others. Biology of the eggplant tortoise beetle [*Nuzonia pallidula*] (Coleoptera: Chrysomelidae). Kans. Entomol. Soc. J. 38(4):362-366. Oct. 1965. 420 K13
R. Mayes, P. Edwards, and M. Wingfield, joint authors.
Solanum carolinense, chief host plant; eggplant often attacked.
- 39373 ROUSSEL, J. P. The larval development of *Necrophorus fossor* Er. (Fr) Soc. Zool. France. Bull. 89(2/3):111-117. 1964. 410.9 P214B
- 39374 ROUSSEL, J. P. The larval development of *Necrophorus vespillo* L. (Fr) Soc. Zool. France Bull. 89(2/3):102-110. 1964. 410.9 P214B
- 39375 RUPPEL, R. F., and SMITH, M. E. Sound production by the cereal leaf beetle [*Oulema melanopa*]. Entomol. Soc. Amer. Ann. 58(6):936. Nov. 1965. 420 En82
- 39376 YOUNG, F. N. Color pattern inheritance in experimental hybrids of North and South American forms of *Tropisternus collaris* (Fabricius) (Coleoptera: Hydrophilidae). Ind. Acad. Sci. Proc. 74:194. 1964, pub. 1965. 500 In2
- 39377 SMITH, B. C. Differences in *Anatis mali* auct. and *Coleomegilla maculata lengi* Timberlake to changes in the quality and quantity of the larval food (Coleoptera: Coccinellidae). Can. Entomol. 97(11):1159-1166. Ref. Nov. 1965. 421 C16
- 39378 SMITH, R. F. *Crioceris sexpunctata* Fabricius, 1792 (Insecta, Coleoptera): proposed rejection as a nomen oblitum. Z.N.(S.) 1707. Bull. Zool. Nomencl. 22(4):246-247. Nov. 2, 1965. 410 B874
- 39379 SMITH, S. G. Cytological species-separation in Asiatic *Exochomus* (Coleoptera: Coccinellidae). Can. J. Genet. Cytol. 7(3):363-373, map. Ref. Sept. 1965. 443.8 C16
- 39380 STERLING, W. L., and others. A cottonseed-meal diet for laboratory cultures of the boll weevil [*Anthonomus grandis*]. J. Econ. Entomol. 58(5):867-869. Ref. Oct. 1965. 421 J822
S. G. Wellso, P. L. Adkisson, and H. W. Dorough, joint authors.
- 39381 STEWART, K. W. Observations on the life history and habits of *Scierus annectens* (Coleoptera: Scolytidae). Entomol. Soc. Amer. Ann. 58(6):924-927. Nov. 1965. 420 En82
- 39382 THOMPSON, R. T., and DUFFY, E. A. J. *Xyleborus Bowdich*, 1825 (Insecta, Coleoptera): proposed suppression under the plenary powers. Z.N.(S.) 1720. Bull. Zool. Nomencl. 22(4):269-270. Nov. 2, 1965. 410 B874
- 39383 TOROSSIAN, C. Studies on the biology and ethology of myrmecophiles: the adoption of the coleopteran *Amorphocephalus coronatus* Germar by the colonies of ants belonging to the genus *Camponotus*. (Fr) Paris. Soc. Biol. Compt. Rend. 159(4):984-987. 1965. 442.9 P21
- 39384 UHMANN, E. Insects of Amapa: Hispinae (Coleoptera, Chrysomelidae); 218th contribution to the knowledge of Hispinae. (Ge) Sao Paulo. Dep. Zool. Papeis Avulsos 17:113-117. 1965. 410.9 Sa63
- 39385 VEREECKE, A., and PELERENTS, C. The influence of gamma rays on the fecundity and the fertility of *Tribolium confusum* Duval. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(2):1017-1027. 1965. 105.1 G344
English summary.
- 39386 VICKERS, D. H., and MITLIN, N. Changes in nucleic acid content of the boll weevil *Anthonomus grandis* Boheman during its development. Physiol. Zool. 39(1):70-76. Ref. Jan. 1966. 410 P56
- 39387 WERNER, F. G. A key to the described species of New World Anthicidae of the genus *Acanthinus* LaFerte, with new synonymy (Coleoptera). Sao Paulo. Dep. Zool. Papeis Avulsos 18:1-15. 1965. 410.9 Sa63
- 39388 WHITE, D. A. Noctule bats (*Nyctalus noctula*) feeding on summer chafers (*Amphimallus solstitialis*). Suffolk Natur. Soc. Trans. 13(1):20-21. Feb. 1965. 410.9 Su2
- 39389 WOOD, D. M. Studies on the beetles *Leptinillus validus* (Horn) and *Platypsyllus castoris* Ritsema (Coleoptera: Leptinidae) from beaver. Entomol. Soc. Ontario. Proc. 95:33-63. Ref. 1964, pub. 1965. 420 On8
Life histories.
- 39390 WOOD, G. R. A trifurcate tiger beetle [*Cicindela scutellaris lecontei*] antenna (Coleoptera: Cicindelidae). Kans. Entomol. Soc. J. 38(4):392-394. Oct. 1964. 420 K13
- 39391 WOOD, S. L. The genus *Eupagiocerus* Blandford (Scolytidae: Coleoptera). Great Basin Natur. 25(1/2):31-35. July 8, 1965. 410 G79
Includes new spp.
- 39392 YAMAUCHI, M., HAGIHARA, Y., and KAZUE, S. Ecological studies on the sugi leaf beetle (*Basilepta pallidulum* Baly). (Ja) Fukuoka-ken Forest Exp. Sta. Bull. 16:137-151. Ref. Mar. 1963. 99.9 F95
English summary.
- 39393 YUNUS, C. M. Bionomics of clover seed weevil, *Miccotrogus picirostris* (Fabricius). Diss. Abs. 26(6):2964-2965. Dec. 1965. 241.8 M58

Diptera

- 39394 ADAMS, J. R., HOLBERT, P. E., and FORGASH, A. J. Electron microscopy of the contact chemoreceptors of the stable fly, *Stomoxys calcitrans* (Diptera: Muscidae). Entomol. Soc. Amer. Ann. 58(6):909-917. Ref. Nov. 1965. 420 En82
- 39395 ALEXANDER, C. P. New exotic crane-flies (Tipulidae: Diptera). XI. Entomol. News [Philadelphia] 76(8):213-222. Oct. 1965. 421 En88
New spp. in *Epiphragma*, *Psuedolimnophila*, and *Hexatoma*.
- 39396 ALEXANDER, C. P. New species of crane-flies from tropical America (Diptera: Tipulidae). I. Kans. Entomol. Soc. J. 38(4):401-407. Oct. 1965. 420 K13
New spp. in *Ctenophora*, *Hexatoma*, *Elephantomyia* (*Xenoelephantomyia*) n. gen., *Gnophomyia*, and *Molophilus* (*Rhynchomolophilus*) n. gen.
- 39397 ANDERSON, D. T. The comparative embryology of the Diptera. Annu. Rev. Entomol. 11:23-46. Ref. 1966. 421 An72
- 39398 BLAYLOCK, B. G. Chromosomal aberrations in a natural population of *Chironomus tentans* exposed to chronic low-level radiation. Evolution 19(3):421-429. Ref. Sept. 1965. 443.8 Ev62
- 39399 BUTTERWORTH, F. M. The developmental genetics of the mutant apterous (ap) of *Drosophila melanogaster*. Diss. Abs. 26(6):2984. Dec. 1965. 241.8 M58
- 39400 DODGE, H. R. Two new Neotropical *Graphomya* (Diptera: Muscidae). Kans. Entomol. Soc. J. 38(4):394-397. Oct. 1965. 420 K13
Graphomya cubana and *G. panamensis* n. spp.

- 39401 ELBERG, K. Occurrence of family Agromyziidae (Brachycera, Acalyptrata) in Estonia. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:319-321. 1964. 442.9 Ak18
German summary.
- 39402 ELBERG, K. Some results of study of flies of the family Scatophagidae (Diptera, Calyptrata) from Estonia. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 3:344-356, map. Ref. 1965. 442.9 Ak18
German summary.
- 39403 ESCHLE, J. L., and DEFOLIART, G. R. Rearing and biology of *Wohlfahrtia vigil* (Diptera: Sarcophagidae). Entomol. Soc. Amer. Ann. 58 (6):849-855. Ref. Nov.1965. 420 En82
- 39404 FAST, P. G. Phylogenetically anomalous lipid composition of Cecidomyiidae (Diptera). Entomol. Soc. Amer. Ann. 58(6):933. Nov.1965. 420 En82
- 39405 FRAENKEL, G., HSIAO, C., and SELIGMAN, M. Properties of bursicon: an insect protein hormone that controls cuticular tanning. Science 151(3706):91-93. Ref. Jan.7,1966. 470 Sci2
Sarcophaga bullata and *Periplaneta americana* studied.
- 39406 GOTWALD, W. H. A checklist and keys to the Muscinae and Stomoxydinae (Diptera, Muscidae) of Pennsylvania. Entomol. News [Philadelphia] 76(8):199-210. Ref. Oct.1965. 421 En88
- 39407 HANSON, F. E. Electrophysiological studies on chemoreceptors of the blowfly, *Phormia regina* Meigen. Diss. Abs. 26(7):4126. Jan. 1966. 241.8 M58
- 39408 HARDING, J. A. Ecological and biological factors concerning the sorghum midge [*Contarinia sorghicola*] during 1964. Tex. Agr. Exp. Sta. MP-773, 10 p. Ref. July 1965. 100 T31M
- 39409 HARLEY, J. M. B. Activity cycles of *Glossina pallidipes* Aust., *G. palpalis fuscipes* Newst. and *G. brevipalpis* Newst. Bull. Entomol. Res. 56(1):141-160. Ref. Oct.1965. 421 B87
- 39410 HERTING, B. *Phasia Latreille, 1804* (Insecta, Diptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1706. Bull. Zool. Nomencl. 22(4):243-245. Ref. Nov.2,1965. 410 B874
- 39411 HINTON, H. E., and COLE, S. The structure of the egg-shell of the cabbage root fly, *Erioschia brassicae* Ann. Appl. Biol. 56(1):1-6. Aug.1965. 442.8 An72
- 39412 HURKA, K. Revision of Nycteribiidae and Streblidae-Nycteriboscinae from the Diptera collection of the Zoological Museum [Zoologisches Museum] Berlin: with the description of n. sp. *Eucampsipoda theodori* and the male of *Penicillidia decipiens* Theodor. (Ge) Berlin. Zool. Mus. Mitt. 40(2):71-86. Ref. 1964. 410.9 B45
- 39413 JACKSON, J. O., and WILSON, B. H. Observations on some predators of horse fly and deer fly (Diptera: Tabanidae) eggs in Louisiana. Entomol. Soc. Amer. Ann. 58(6):934-935. Nov. 1965. 420 En82
- 39414 JAMES, M. T. Contributions to our knowledge of the Nearctic Pachygasterinae (Diptera: Stratiomyidae). Entomol. Soc. Amer. Ann. 58(6): 902-908. Nov.1965. 420 En82
Includes n. spp. in *Zabrachia* and *Pareidali-mus*.
- 39415 JORDAN, A. M. Observations on the ecology of *Glossina morsitans submorsitans* Newst. in the northern Guinea savannah of Northern Nigeria. Bull. Entomol. Res. 56(1):1-16. Ref. Oct.1965. 421 B87
- 39416 KIKUCHI, T. Studies on the coaction among insects visiting flowers. VII. Diurnal rhythm of the appearance of the subordinate syrphid fly in relation to the presence of the dominant one. Tohoku Univ. Sci. Rep. Ser. 4 (Biol.) 31(3):207-215. Sept.1965. 513 T574Ab
- 39417 KROEGER, H., and LEZZI, M. Regulation of gene action in insect development. Annu. Rev. Entomol. 11:1-22. Ref. 1966. 421 An72
Diptera.
- 39418 KURAHASHI, H. Studies on the calyptrate muscoid flies from Japan. IV. Revision of the genus *Paradichosia*, with description of two new species (Diptera, Calliphoridae). Kontyu 33(1):46-52. Mar.1965. 421 K833
Paradichosia io and *P. nigra* n. spp.
- 39419 LECLERCQ, M. Tabanidae (Diptera) of Italy. II. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33 (1):132-134. 1965. 105.1 G285
- 39420 LECLERCQ, M. Tabanidae (Diptera) of the Balkans and Sicily. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):128-131. 1965. 105.1 G285
- 39421 LECLERCQ, M. Tabanidae (Diptera) of Liberia and other African countries. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):135-137. 1965. 105.1 G285
- 39422 LEONIDE, J. C. Contribution to the biological study of the Neorhynchocephalus *tauscheri* Fisch. (Diptera, Nemestrinidae) and notes on the biology of adult Nemestrinidae. (Fr) Soc. Zool. France. Bull. 89(2/3):210-218. Ref. 1964. 410.9 P214B
- 39423 LEONIDE, J. C. Contribution to the biology of the *Symmeticus costatus* Loew, Diptera, locust eating Nemestrinidae. IV. Oviposition and infestation of host. (Fr) Soc. Zool. France. Bull. 89(2/3):135-142. Ref. 1964. 410.9 P214B
- 39424 LINLEY, J. R. Changes in the ovaries of certain biting midges (Diptera: Ceratopogonidae) following completion of the gonotrophic cycle. Mosquito News 25(3):306-310. Sept.1965. 421 M85
Leptoconops bequaerti, *Culicoides barbosai*, and *C. furens*.
- 39425 LINLEY, J. R. The ovarian cycle and egg stage in *Leptoconops* (Holoconops) *bequaerti* (Kieff.) (Diptera, Ceratopogonidae). Bull. Entomol. Res. 56(1):37-56. Ref. Oct.1965. 421 B87
- 39426 MCALPINE, J. F. *Chamaemyia* Meigen, 1803 (Insecta, Diptera, Chamaemyiidae); proposed designation of a type-species under the plenary powers. Z.N.(S.) 1716. Bull. Zool. Nomencl. 22(4):267-268. Nov.2,1965. 410 B874
- 39427 MCCANN, G. D., and MACGINITIE, G. F. Optomotor response studies of insect vision. Roy. Soc. Proc. Ser. B, Biol. Sci. 163(992):369-401. Ref. Nov.23,1965. 501 L84B
Musca domestica studied.
- 39428 MCLEOD, D. G. R. Are *Hylemya cilicrura* and *H. liturata* two separate species? Entomol. Soc. Ontario. Proc. 95:140-142. 1964, pub.1965. 420 On8
- 39429 MILNE, A., LAUGHLIN, R., and COGGINS, R. E. The 1955 and 1959 population crashes in the leatherjacket, *Tipula paludosa* Meigen, in Northumberland. J. Anim. Ecol. 34(3):529-544, map. Oct.1965. 410 J826
- 39430 MOELLER, J. The temperature dependence of pigmentation variability of *Chironomus halophilus* Kieff. (Ge) Arch. Hydrobiol. 60(3):358-365. July 1964. 410 Ar28
English summary.
- 39431 NAGATOMI, A., and KUSHIGEMACHI, K. Life history of *Sepedon sauteri* Hendel (Diptera, Sciomyzidae). (Ja) Kontyu 33(1):35-38. Mar. 1965. 421 K833
English summary.
- 39432 NAKAS, M., HIGASHINO, S., and LOEWENSTEIN, W. R. Uncoupling of an epithelial cell membrane junction by calcium-ion removal. Science 151(3706):89-91. Jan.7,1966. 470 Sci2
In *Chironomus thummi*.

- 39433 NASH, T. A. M., and KERNAGHAN, R. J. A high proportion of early deaths among uniseminated females of *Glossina austeni* Newst. Bull. Entomol. Res. 56(1):65-66. Oct.1965. 421 B87
In laboratory rearings.
- 39434 NELSON, J. M. A seasonal study of aerial insects close to a moorland stream. J. Anim. Ecol. 34(3):573-579. Oct.1965. 410 J826
Includes chiefly Diptera and the collecting methods.
- 39435 PETERFI, F. *Chionea* (Niphadobata) *lutescens* Lundstr., and apterous species of Diptera of the People's Republic Rumania. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):53-55. 1965. 442.9 C62
Russian and French summary.
- 39436 PETERFI, F. A contribution to the study of Chloropidae (Diptera) of the People's Republic Rumania. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):47-52. Ref. 1965. 442.9 C62
Russian and French summary.
- 39437 PETERSON, B. V. An entomologist's impressions of Iceland. Entomol. Soc. Ontario. Proc. 95:16-18. 1964, pub.1965. 420 On8
Includes collecting Simuliidae.
- 39438 PETERSON, B. V. The status of the name *Prosimulium albionense* Rothfels. Entomol. Soc. Ontario. Proc. 95:142-143. 1964, pub.1965. 420 On8
- 39439 PHILIP, C. B. The identity and relationships of *Tabanus* (Neotabanus) *vittiger*, and notes on two cases of teratology in Tabanidae (Diptera). Entomol. Soc. Amer. Ann. 58(6):876-880. Ref. Nov.1965. 420 En82
- 39440 PHILLIPS, D. M. An ordered filamentous component in *Sciara* [coprophila] (Diptera) salivary gland cell nuclei. J. Cell Biol. 26(2):677-683. Ref. Aug.1965. 442.8 J828
- 39441 RADU, V. G., and DUSA, L. A contribution to the study of sex organs of Bombyliidae. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):73-81. Ref. 1965. 442.9 C62
Russian and French summary.
- 39442 RIEMANN, J. G. The development of eggs of the screw-worm fly *Cochliomyia hominivorax* (Coquerel) (Diptera: Calliphoridae) to the blastoderm stage as seen in whole-mount preparations. Biol. Bull. 129(2):329-339. Ref. Oct.1965. 442.8 B52
- 39443 RIOUX, J. A., DESCOUS, S., and JUMINER, B. A new place of occurrence of *Leptoconops* (*Holoconops*) *kerteszi* Kieffer, 1908 (Diptera, Ceratopogonidae) in Tunis. (Fr) Inst. Pasteur Tunis. Arch. 41(2):153-155. Ref. June 1964. 448.3 In72
- 39444 SAIGUSA, T. Two new species of Clinocerinae from Japan (Diptera, Empididae). Kontyu 33(1):53-57. Mar.1965. 421 K833
Acanthoclinocera dasyscutellum n. g., n. sp. and *Trichoclinocera fuscipennis* n. sp.
- 39445 SEGUY, E. Two new tendipedids from the Crozet Islands (Insecta, Diptera, Nematocera). (Fr) Paris. Mus. Nat. Hist. Natur. Bull. (ser.2)37(2):285-289. 1965. 410.9 P213
New spp. in *Microzetia* n. g. and *Protobelgica* n. g.
- 39446 SIMOVA, D. A contribution to the study of harmful Cecidomyiidae of Serbia. (Se) Zastita Bilja 83:85-98. Ref. 1965. 464.8 Z1
English summary.
- 39447 SIRLIN, J. L., JACOB, J., and BIRNSTIEL, M. L. Synthesis of different species of nucleolar ribonucleic acid. Biochim. Biophys. Acta 108(4):716-718. Dec.9,1965. 381 B522
In nucleolus of larval salivary glands of the chironomid *Smittia parthogenetica*.
- 39448 STEYSKAL, G. C. The third larval instar and puparium of *Odontoloxozus longicornis* (Diptera: Neriidae). Entomol. Soc. Amer. Ann. 58(6):936-937. Nov.1965. 420 En82
- 39449 SYRJAMAKI, J. Laboratory studies on the swarming behaviour of *Chironomus strenzkei* Fittkau in litt. (Dipt., Chironomidae). Ann. Zool. Fenn. 2(3):145-152. Ref. 1965. 410 An712
- 39450 SZABO, L., and MARTON, M. Problem of absolute and relative specificity of intestinal microfloras based on investigations on *Bibio marci* (Diptera) larvae. Nature [London] 209(5019):221-222. Jan.8,1966. 472 N21
- 39451 TOKUNAGA, M. A new midge from Japan (Diptera: Chironomidae). Kontyu 33(1):42-45. Mar.1965. 421 K833
Biwatendipes motoharui n. g., n. sp.
- 39452 TUZET, O., and ORMIERES, R. *Stylocystis riouxi* n. sp. a gregarine parasite of *Dasyhelea lithotelmatica* Strenzke 1951 (Diptera, Ceratopogonidae). (Fr) Soc. Zool. France. Bull. 89(2/3):163-166. 1964. 410.9 P214B
- 39453 VOCKEROTH, J. R. Some species of *Geomyza* from China and Japan (Diptera: Opomyzidae). Can. Entomol. 97(11):1156-1158. Nov.1965. 421 C16
Includes n. spp.
- 39454 WELLER, G. Beitrag zur Entwicklung und Bedeutung der Larven von *Psychoda alternata* SAY (Dipt.) im biologischen Rasen des Tropfkörpers [Contribution to the development and importance of *Psychoda alternata* Say (Dipt.) larvae in the biological scum of the trickling filter]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss] 38,132 p. Ref. 1964. 509 M923
- 39455 WILCOX, J. New Cophura, with revised keys to the groups and to the Nearctic species (Diptera: Asilidae). Entomol. Soc. Amer. Ann. 58(6):805-816. Nov.1965. 420 En82
New spp. and subsp.

Culicidae

- 39456 ARMSTRONG, J. A., and WEST, A. S. Blood feeding activity by newly emerged female mosquitoes. Mosquito News 25(3):263-268. Sept. 1965. 421 M85
Aedes aegypti and *Anopheles quadrimaculatus*.
- 39457 BARR, A. R., and BALDUF, W. V. *Aedes decicus* Howard, Dyar, and Knab in Minnesota. Mosquito News 25(3):344. Sept.1965. 421 M85
- 39458 CHAPMAN, H. C., and WOODARD, D. B. Blood feeding and oviposition of some floodwater mosquitoes in Louisiana: laboratory studies. Mosquito News 25(3):259-262. Sept.1965. 421 M85
- 39459 CRONIN, R. T. An investigation of somatic reduction division in the hind-gut of the mosquito *Aedes aegypti* (L.) using tritium labeled thymidine. Diss. Abs. 26(7):4123. Jan.1966. 241.8 M58
- 39460 DOWELL, F. H. A heavy-duty power aspirator for collecting large numbers of adult mosquitoes. Mosquito News 25(3):325-327. Sept.1965. 421 M85
- 39461 DOWELL, F. H. Surface landing preferences of adult female *Aedes* (*Stegomyia*) *aegypti* (Linnaeus). Mosquito News 25(3):286-287. Sept. 1965. 421 M85
- 39462 ELDRIDGE, B. F. Environmental control of ovarian development in mosquitoes of the *Culex pipiens* complex. Science 151(3712):826-828. Feb.18,1966. 470 Sci2
- 39463 FAY, R. W., and PERRY, A. S. Laboratory studies of ovipositional preferences of *Aedes aegypti*. Mosquito News 25(3):276-281. Sept. 1965. 421 M85
- 39464 FORATTINI, O. P., and RABELLO, E. X. Notes on Culicidae (Diptera). 6. New data on some species of the subgenus *Culex*. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:27-34. 1965. 410.9 Sa63

- 39465 GIGLIOLI, M. E. C. Oviposition by *Anopheles melas* and its effect on egg survival during the dry season in the Gambia, West Africa. *Entomol. Soc. Amer. Ann.* 58(6):885-891. Ref. Nov.1965. 420 En82
- 39466 GJULLIN, C. M., JOHNSEN, J. O., and PLAPP, F. W. The effect of odors released by various waters on the oviposition sites selected by two species of *Culex*. *Mosquito News* 25(3):268-271. Sept.1965. 421 M85
Culex quinquefasciatus and *C. tarsalis*.
- 39467 GOMA, L. K. H. The flight activity of some East African mosquitos (Diptera, Culicidae). I. Studies on a high steel tower in Zika Forest, Uganda. *Bull. Entomol. Res.* 56(1):17-35. Ref. Oct.1965. 421 B87
- 39468 GUEDES, A. S., and others. Illustrated catalog of the mosquito collection of the National Institute of Rural Diseases [Instituto Nacional de Endemias Rurais]. I. Genus *Psorophora* Robineau Desvoidy, 1827. (Por) *Rev. Brasil. Malariol. Doencas Trop.* 17(1):3-14. Jan./Mar. 1965. 448.8 R3283
M. A. Souza, C. S. Maciel, and S. H. Xavier, joint authors.
English summary.
- 39469 GUPTAVANIJ, P., and VENARD, C. E. A radiographic study of the oesophageal diverticula and stomach of *Aedes aegypti* (L.). *Mosquito News* 25(3):288-293. Sept.1965. 421 M85
- 39470 HAYES, J. New host record for *Aedes canadensis*. *Mosquito News* 25(3):344. Sept.1965. 421 M85
Box turtle in Illinois.
- 39471 JOHNSON, D. R. Why "mosquito"? *Mosquito News* 25(3):349. Sept.1965. 421 M85
Etymology.
- 39472 KLASSEN, W., and others. The salivary chromosomes of *Anopheles quadrimaculatus* Say. *Mosquito News* 25(3):328-334. Ref. Sept.1965. 421 M85
W. L. French, H. Laven, and J. B. Kitzmiller, joint authors.
- 39473 LINAM, J. H. The taxonomy, distribution and biology of the *Culex* mosquitoes of the Rocky Mountain Region. *Diss. Abs.* 26(7):4129. Jan. 1966. 241.8 M58
- 39474 LUKASIAK, J. The studies on the occurrence of Culicinae (Diptera, Culicidae) in Warsaw and its surroundings. *Fragmenta Faunistica* 12(1):1-13. Ref. June 20, 1965. 410.9 W26F
- 39475 PROVOST, M. W., LUM, P. T. M., and BOURINOT, L. M. A constant-temperature mosquito-rearing apparatus. *Entomol. Soc. Amer. Ann.* 58(6):937-938. Nov.1965. 420 En28
- 39476 PUCAT, A. List of mosquito records from Alberta. *Mosquito News* 25(3):300-302. Ref. Sept.1965. 421 M85
- 39477 RAPP, W. F., and HARMSTON, F. C. Notes on the mosquitoes (Culicinae) of northwestern Nebraska. *Mosquito News* 25(3):302-306, map. Sept.1965. 421 M85
- 39478 SENEVET, G., and ANDARELLI, L. Duration of the survival of larvae of *Anopheles multi-color* outside their natural shelter. (Fr) *Inst. Pasteur Algerie. Arch.* 42:60-72. 1964. 448.3 In7A
English summary.
- 39479 SENEVET, G., and ANDARELLI, L. Mosquitoes of North Africa and of the Mediterranean basin. III. *Aedes*. (Fr) *Inst. Pasteur Algerie. Arch.* 42:94-192. 1964. 448.3 In7A
- 39480 SIVERLY, R. E. Notes on the biology of *Psorophora ciliata* (Fabricius) in Indiana. *Ind. Acad. Sci. Proc.* 74:194-195. 1964, pub.1965. 500 In2
- 39481 SIVERLY, R. E., and BURKHARDT, R. W. Occurrence of *Psorophora discolor* (Coquillett) in Indiana. *Ind. Acad. Sci. Proc.* 74:195. 1964, pub.1965. 500 In2
- 39482 SPIELMAN, A., and WEYER, A. E. Description of *Aedes* (Howardina) *albonotatus* (Coquillett), a common domestic mosquito from the Bahamas. *Mosquito News* 25(3):339-343. Sept. 1965. 421 M85
- 39483 STONG, C. L. How to record and listen to the electrical signals produced by microscopic animals. *Sci. Amer.* 214(2):120-124, 127. Feb. 1966. 470 Sci25
Includes mosquitoes.
- 39484 THOMPSON, P. H., and DICKE, R. J. Sampling studies with *Aedes vexans* and some other Wisconsin *Aedes* (Diptera: Culicidae). *Entomol. Soc. Amer. Ann.* 58(6):927-930. Nov.1965. 420 En82
- 39485 TRAN-BA-LOC, P. Obtaining giant larvae of *Aedes aegypti* by modification of the rearing medium. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(3):559-561. 1965. 442.9 P21
- Drosophila
- 39486 BOWMAN, J. T. Spontaneous reversion of the white-ivory mutant of *Drosophila melanogaster*. *Genetics* 52(5):1069-1079. Ref. Nov.1965. 442.8 G28
- 39487 CLAYTON, F. E. Genetic effects from simultaneous [X-ray] irradiation of immature and mature *Drosophila virilis* males. *Genetics* 52(5):1081-1092. Ref. Nov.1965. 442.8 G28
- 39488 CONNOLLY, K. J. Locomotor activity in *Drosophila* as a function of food deprivation. *Nature [London]* 209(5019):224. Jan. 8, 1966. 472 N21
Drosophila melanogaster.
- 39489 EHRLICH, E. An automatic selection procedure in *Drosophila*. *Can. J. Genet. Cytol.* 7(3):430-432. Sept.1965. 443.8 C16
For selecting lethals.
- 39490 EHRMAN, L., and others. Sexual selection, geotaxis, and chromosomal polymorphism in experimental populations of *Drosophila pseudoobscura*. *Evolution* 19(3):337-346. Ref. Sept.1965. 443.8 Ev62
B. Spassky, O. Pavovsky, and T. Dobzhansky, joint authors.
- 39491 FAHMY, O. G., and FAHMY, M. J. Differential induction of chromosome deletions by natural and synthetic macromolecules in *Drosophila melanogaster*. *Genetics* 52(5):861-873. Ref. Nov.1965. 442.8 G28
- 39492 FALK, R., RAHAT, A., and BEN-ZEEV, N. Viability of heterozygotes for induced mutations in *Drosophila melanogaster*. I. Irradiated X-chromosome. *Mutation Res.* 2(5):438-451. Ref. Oct.1965. 443.8 M98
- 39493 FINLAY, D. E. Selection for pattern of an artificially canalised character. *Amer. Natur.* 99(909):431-438. Nov./Dec.1965. 470 Am36
Scutellar bristle pattern of *Drosophila melanogaster*.
- 39494 FUKUSHI, Y., and SEKI, T. Differences in amino acid compositions of pupal sheaths between wild and black pupa strains in some species of insects. *Jap. J. Genet.* 40(3):203-208. June 1965. 442.9 J27
Drosophila virilis, *Musca domestica*, and *Bombyx mori*.
- 39495 GONCHAROVA, R. I., and TURBIN, N. V. Antimutagenic effect of certain sulphanilamides. (Rus) *Akad. Nauk SSSR. Dok.* 165(4):931-932. 1965. 511 P444A
On *Drosophila melanogaster*.
- 39496 GREGG, T. G., and SMUCKER, L. A. Pteridines and gene homologies in the eye color mutants of *Drosophila hydei* and *Drosophila melanogaster*. *Genetics* 52(5):1023-1034. Ref. Nov.1965. 442.8 G28
- 39497 HANNAH-ALAVA, A. The premeiotic stages of spermatogenesis. *Advances Genet.* 13:157-226. Ref. 1965. 443 D39
Includes *Drosophila melanogaster* and other insects.

- 39498 KANEKO, A., and SHIMA, T. Variation in triangularly black spot-patterns on the abdominal tergite in natural populations of *Drosophila nigromaculata*, with preliminary cross-tests. (Ja) Jap. J. Genet. 40(3):233-239. Ref. June 1965. 442.9 J27
English summary.
- 39499 KIEFER, B. I. Studies on normal and abnormal sperm of *Drosophila melanogaster*. Diss. Abs. 26(7):3597. Jan.1966. 241.8 M58
- 39500 KLUG, H. Bau und Funktion tierischer Zellen [Structure and function of animal cells]. Neue Brehm-Bucherei 275, ed.3, 240 p. Ref. 1965. 409 N392
Includes *Drosophila melanogaster*.
- 39501 LATTER, B. D. H. The response to artificial selection due to autosomal genes of large effect. I. Changes in gene frequency at an additive locus. Austral. J. Biol. Sci. 18(3):585-598. June 1965. 442.8 Au72
Includes *Drosophila* and statistical research methods.
- 39502 LEIK, J. Spermiogenesis in *Drosophila melanogaster*. Diss. Abs. 26(7):4129. Jan.1966. 241.8 M58
- 39503 MACINNES, J. W., and URETZ, R. B. Organization of DNA in dipteran polytene chromosomes as indicated by polarized fluorescence microscopy. Science 151(3711):689-691. Feb.11,1966. 470 Sci2
Drosophila virilis studied.
- 39504 MAINARDI, D. Early experience and sexual selection in *Drosophila melanogaster*. Ann. Zool. 4(11):119-121. Ref. Sept.1,1964. 410 An78
- 39505 MULKAY, L. M. The developmental expression of tumorous head in *Drosophila melanogaster*. Diss. Abs. 26(6):2989. Dec.1965. 241.8 M58
- 39506 MURPHEY, R. M. Sequential alternation behavior in the fruit fly, *Drosophila melanogaster*. J. Compar. Physiol. Psychol. 60(2):196-199. Oct.1965. 410 J822
- 39507 NARISE, T. The effect of relative frequency of species in competition. Evolution 19(3):350-354. Ref. Sept.1965. 443.8 Ev62
Drosophila melanogaster and *Drosophila simulans* studied.
- 39508 NASSAR, R. F. Variation of scutellar bristles in *Drosophila* [melanogaster]. VIII. Selection and polygenes. Genetics 52(5):915-923. Nov. 1965. 442.8 G28
- 39509 OLIVIERI, G., and OLIVIERI, A. Autoradiographic study of nucleic acid synthesis during spermatogenesis in *Drosophila melanogaster*. Mutation Res. 2(4):366-380. Ref. Aug.1965. 443.8 M98
Studied with tritium.
- 39510 OLIVIERI, G., and OLIVIERI, A. The mutagenic effect of tritiated uridine in *Drosophila* spermatocytes. Mutation Res. 2(4):381-384. Aug.1965. 443.8 M98
- 39511 ROBERTS, P. A. Asymmetrical exchange in adjacent tandem duplications. Genetics 52(5):1017-1022. Ref. Nov.1965. 442.8 G28
Drosophila melanogaster.
- 39512 SCHNEIDERMAN, H., YOUNG, W. J., and CHILDS, B. Patterns of alkaline phosphatase in developing *Drosophila*. Science 151(3709):461-463. Jan.28,1966. 470 Sci2
Drosophila melanogaster.
- 39513 SOKOLOFF, A. Geographic variation of quantitative characters in populations of *Drosophila pseudoobscura*. Evolution 19(3):300-310, map. Ref. Sept.1965. 443.8 Ev62
- 39514 SPIESS, E. B. A discovery and rediscovery of third chromosome arrangements in *Drosophila persimilis*. Amer. Nat. 99(908):423-425. Sept./Oct.1965. 470 Am36
- 39515 SVETLOV, P. G., and KORSKOVA, G. F. Expressivity of the mutation forked characters in the progeny of females of *Drosophila melanogaster* exposed to temperature influences. (Rus) Akad. Nauk SSSR. Dok. 165(1):214-216. 1965. 511 P444A
- 39516 THOMAS, J. J., BAXTER, R. C., and FENN, W. O. Interactions of oxygen at high pressure and radiation in *Drosophila*. J. Gen. Physiol. 49(3):537-549. Ref. Jan.1966. 447.8 J822
Drosophila melanogaster.
- 39517 TOBARI, I., and NEI, M. Genetic effects of X-rays on quantitative characters in a heterogeneous population of *Drosophila melanogaster*. Genetics 52(5):1007-1015. Ref. Nov. 1965. 442.8 G28
- 39518 WALLACE, B., and MADDEN, C. Studies on inbred strains of *Drosophila melanogaster*. Amer. Natur. 99(909):495-510. Ref. Nov./Dec. 1965. 470 Am36
Study of lethal systems within generations.
- 39519 WOLSTENHOLME, D. R. A DNA and RNA-containing cytoplasmic body in *Drosophila melanogaster* and its relation to flies. Genetics 52(5):949-975. Ref. Nov.1965. 442.8 G28
- 39520 WOOLF, C. M., and LOTT, M. O. Relationship between penetrance and karyotype in the tumorous-head strain of *Drosophila melanogaster*. Amer. Natur. 99(909):511-513. Nov./Dec. 1965. 470 Am36
- 39521 YEN, T. T. T., and GLASSMAN, E. Electrophoretic variants of xanthine dehydrogenase in *Drosophila melanogaster*. Genetics 52(5):977-981. Nov.1965. 442.8 G28

Hemiptera

- 39522 AUCLAIR, J. L. Feeding and nutrition of the pea aphid, *Acyrtosiphon pisum* (Homoptera: aphidae), on chemically defined diets of various pH and nutrient levels. Entomol. Soc. Amer. Ann. 58(6):855-875. Ref. Nov.1965. 420 En82
- 39523 BENEDEK, P. Data to the insect fauna of the Tapolca Brook. II. Heteroptera. I. (Hu) Rovartani Kozlemlenyek (n.s.)17(17/35):265-282, map. Ref. 1964. 420 Sol2
English summary.
Appendix in English, Some remarks on the aberrations of *Eurydema oleraceum* (L. 1758), p.277-279.
- 39524 CANERDAY, T. D. On the biology of the harlequin bug, *Murgantia histrionica* (Hemiptera: Pentatomidae). Entomol. Soc. Amer. Ann. 58(6):931-932. Nov.1965. 420 En82
- 39525 CARVER, M. Two new species of *Micromyzus* van der Goot, 1917 (Homoptera: Aphididae). Roy. Entomol. Soc. (London. Proc. Ser. B, Taxonom. 34(9/10):113-116. Oct.22,1965. 420 L84Pb
Micromyzus eastopi and *M. judenkoi* n. spp.
- 39526 CAZAL, M. Study of the brain and cerebral complex of the adult *Naucoris maculatus* Fabr. (Heteroptera, Cryptocerata). (Fr) Soc. Zool. France. Bull. 89(2/3):156-162. Ref. 1964. 410.9 P214B
English summary.
- 39527 CHAPLAIN, R. A., ABBOTT, R. H., and WHITE, D. C. S. Indication for an allosteric effect of ADP on actomyosin gels and glycerinated fibres from insect fibrillar flight muscle. Biochem. Biophys. Res. Commun. 21(2):89-93. Oct.26,1965. 442.8 B5236
Lethocerus cordofanus.
- 39528 CHAPMAN, H. C., and POLHEMUS, J. T. A new shore bug from Oregon (Hemiptera: Saldidae). Kans. Entomol. Soc. J. 38(4):359-361. Oct.1965. 420 K13
Saldula lattini n. sp.
- 39529 CUNNINGHAM, H. B., and ROSS, H. H. Twelve new tropical empoascans (Hemiptera: Cicadellidae). Entomol. Soc. Amer. Ann. 58(6):836-843. Nov.1965. 420 En82
- 39530 DRY, W. W. Teneral periods, take-off and flight thresholds of selected species of Aphididae. Diss. Abs. 26(7):3559-3560. Jan.1966. 241.8 M58

- 39531 DUBSIK, B. Coreoidea and Pyrrhocoridae (Heteroptera) of Silesia. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada A, Spisy Fak. Agron. Fak. Provozne Ekon. 3:441-447. Ref. 1965. 105.92 B833
Russian, German, and French summaries.
- 39532 EGE, O. A contribution to the biology of some aphidivorous Entomophthoraceae. (Ge) Arch. Mikrobiol. 52(1):20-48. Ref. Sept. 6, 1965. 442.8 Ar26
Chiefly Entomophthora coronata, E. planchoniana, and E. virulenta.
- 39533 EVANS, G. O., and CHINA, W. E. Opinion 751; Leprota Melichar, 1912 (Insecta, Hemiptera): designation of a type-species under the plenary powers. Bull. Zool. Nomencl. 22(4):222-223. Nov. 2, 1965. 410 B874
- 39534 EVANS, J. W. A new genus and species of Eurytelidae (Homoptera, Cicadelloidea). Linn. Soc. N. S. Wales. Proc. 90(1):85-86. 1965. 514 Sy2
Aloeurytelis n. g.
- 39535 EYLES, A. C. Notes on the ecology of Nysius huttoni White (Heteroptera: Lygaeidae). New Zeal. J. Sci. 8(4):494-502. Ref. Dec. 1965. 514 N482
Includes newly recorded host plants.
- 39536 GHOURI, M. S. K. New Plataspidae from the Ethiopian Region (Hemiptera). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(9/10): 127-131. Oct. 22, 1965. 420 L84Pb
Includes n. spp. in Pseudoponsila and Chinanops n. g.
- 39537 HADZISTEVIC, D., and HADZIC-TAFRO, A. A contribution to the study of aphids of potatoes in some areas of Bosnia and Herzegovina. (Se) Zastita Bilja 84:171-178. Ref. 1965. 464.8 Z1
English summary.
- 39538 HRDLICKA, J. Chaitophorus populiabae B.d. F., a little known member of Czechoslovak aphids. (Cz) Ziva 13(3):104-106. May 1965. 409.6 Z6
- 39539 JONES, J. C. The hemocytes of Rhodnius prolixus Stal. Biol. Bull. 129(2):282-294. Ref. Oct. 1965. 442.8 B52
- 39540 KELTON, L. A. Chlamydatus Curtis in North America (Hemiptera: Miridae). Can. Entomol. 97(11):1132-1144. Ref. Nov. 1965. 421 C16
Includes n. spp.
- 39541 KELTON, L. A. Diaphnidia Uhler and Diaphnocoris Kelton in North America (Hemiptera: Miridae). Can. Entomol. 97(10):1025-1030. Ref. Oct. 1965. 421 C16
Includes n. sp. in Diaphnidia.
- 39542 KISIMOTO, R. Studies on the polymorphism and its role playing in the population growth of the brown planthopper, Nilaparvata lugens Stal. (Ja) Shikoku Agr. Exp. Sta. Bull. 13:1-106. Ref. Sept. 1965. 107.6 Z4
English summary.
- 39543 LAMBERS, D. H. R. Polymorphism in Aphididae. Annu. Rev. Entomol. 11:47-78. Ref. 1966. 421 An72
- 39544 MACAN, T. T. Predation as a factor in the ecology of water bugs. J. Anim. Ecol. 34(3): 691-698. Ref. Oct. 1965. 410 J826
Fish as predators of Heteroptera.
- 39545 MACKAUER, M. Parasitological data as an aid in aphid classification. Can. Entomol. 97(10):1016-1024. Ref. Oct. 1965. 421 C16
- 39546 METCALF, Z. P., and WADE, V. Membracoidae. Sect. I-II, part 1-4. Raleigh, N. C. State Univ., 1965. 2 v. (General Catalogue of the Homoptera, Fasc. 1, Sup.) 431 H78Gc
Pt. 1, Membracidae: Centrotinae, Platybelinae, Hoplophorioninae, Darninae, Membracidae: Smiliinae, Tragopinae, Membracinae; pt. 2, Aetalionidae, pt. 3, Biturritiidae; pt. 4, Nicomidae.
- 39547 MIYAMOTO, S. Isometopinae, Deraeocorinae and Bryocorinae of the South-West Islands, lying between Kyushu and Formosa (Hemiptera: Miridae). Kontyu 33(1):147-169. Ref. Mar. 1965. 421 K833
Includes n. spp. in Isometopus, Myiomma, Deraeocoris, Fingulus, Dortus, and Felisacus.
- 39548 MIYATAKE, Y. Notes on Psyllidae from the Ryukyu Islands (Hemiptera: Homoptera). Kontyu 33(1):171-189. Ref. Mar. 1965. 421 K833
Includes n. spp. in Psylla, Insnesia, and Trioza.
- 39549 OLIVE, A. T. Two new species of Dactynotus from Pennsylvania (Homoptera: Aphididae). Entomol. Soc. Amer. Ann. 58(6):786-791. Nov. 1965. 420 En82
Dactynotus obscuricaudatus and D. pepperi, n. spp.
- 39550 PINET, J. M. Accessory antennal hearts of Rhodnius prolixus Stal. (Heteroptera, Reduviidae). (Fr) Soc. Zool. France. Bull. 89(4):443-449. Ref. 1964. 410.9 P214B
- 39551 POPHAM, E. J. The migration of aquatic bugs with special reference to the Corixidae (Hemiptera Heteroptera). Arch. Hydrobiol. 60(4): 450-496. Ref. Sept. 1964. 410 Ar28
- 39552 RAO, V. P. First record of Tropidocephala saccharivorella Mats from India. Cur. Sci. 34(22):630-631. Nov. 20, 1965. 475 Sci23
Sugarcane pest.
- 39553 REMANE, R. Additional contribution to the knowledge of the genus Nabis Latr. (Hemiptera, Heteroptera, Nabidae). (Ge) Zool. Beitr. 10(2):253-314. Ref. 1964. 410 Z753
Includes n. spp.
- 39554 ROBINSON, A. G. A new genus, new species and previously undescribed morphs of aphids (Homoptera: Aphididae). Can. Entomol. 97(10): 1009-1115. Oct. 1965. 421 C16
Includes Pseudasiphonaphis n. g. and Macrisophum olmsteadi n. sp. and M. manitobensis n. sp.
- 39555 ROBISON, W. G. Microtubules in relation to the motility of a sperm syncytium in an armored scale insect [Parlatoria oleae]. Diss. Abs. 26(7):3576. Jan. 1966. 241.8 M58
- 39556 SCHAEFER, C. W. The morphology and higher classification of the Coreoidea (Hemiptera-Heteroptera). III. The families Rhopalidae, Alydidae and Coreidae. Entomol. Soc. Amer. Misc. Publ. 5(1), 76 p. Ref. Dec. 1965. 420 En82M
- 39557 SCHOUTEDEN, H. New African Tingidae of the genus Cantacader Amyot and Serville. (Fr) Rev. Zool. Bot. Afr. 72(1/2):168-172. Sept. 30, 1965. 410 R323
- 39558 SMITH, C. F. Tilipagus lycoposugus, new genus, new species (Aphididae: Homoptera) from Tilia americana and Lycopodium virginicum. Entomol. Soc. Amer. Ann. 58(6):781-786. Nov. 1965. 420 En82
- 39559 STYS, P. Czechoslovak Pentatomoidea. (Cz) Ziva 13(5):185-186. Sept. 1965. 409.6 Z6
- 39560 SWEENEY, A. W. The distribution of the Notonectidae (Hemiptera) in Southeastern Australia. Linn. Soc. N. S. Wales. Proc. 90(1):87-94, map. Ref. 1965. 514 Sy2
- 39561 TAKAGI, S. On the scale insects of the genus Aulacaspis from the Ryukyus (Homoptera: Coccoidea). Kontyu 33(1):39-41. Mar. 1965. 421 K833
Includes n. spp.
- 39562 TUZET, O., and LAPORTE, M. Blastocrithidia vagai n. sp. parasite of Eurydema ventralis Kol. (Hemiptera, Heteroptera). (Fr) Arch. Zool. Exp. Gen. 105(2):77-81. Ref. June 1965. 410 Ar24
- 39563 USINGER, R. L., WYGODZINSKY, P., and RYCKMAN, R. E. The biosystematics of Triatominae. Annu. Rev. Entomol. 11:309-330, map. Ref. 1966. 421 An72

- 39564 VILBASTE, J. On Cicadidae fauna of estuary meadows of Estonia. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:302-318. 1964. 442.9 Ak18
Germany summary.
- 39565 WESTIGARD, P. H., and MADSEN, H. F. Studies on the bionomics of summer generations in California of the apple aphid, *Aphis pomi* De Geer (Homoptera: Aphididae). Can. Entomol. 97(10):1107-1114. Oct. 1965. 421 C16
- 39566 WHITTEN, M. J. Chromosome numbers in some Australian leafhoppers (Homoptera, Auchenorrhyncha). Linn. Soc. N. S. Wales. Proc. 90(1):78-85. Ref. 1965. 514 Sy2
- 39567 YOUNG, E. C. The incidence of flight polymorphism in British Corixidae and description of the morphs. J. Zool. 146(4):567-576. Ref. Oct. 1965. 410.9 L84P
- Hymenoptera**
- SEE ALSO Apiculture and *Apis mellifera*.
- 39568 BATRA, S. W. T. Organisms associated with *Lasioglossum zephyrum* (Hymenoptera: Halictidae). Kans. Entomol. Soc. J. 38(4):367-389. Ref. Oct. 1965. 420 K13
- 39569 BEDARD, W. D. The biology of *Tomicobia tibialis* (Hymenoptera: Pteromalidae) parasitizing *Ips confusus* (Coleoptera: Scolytidae) in California. Boyce Thompson Inst. Contrib. 23(4):77-81. Ref. Oct./Dec. 1965. 451 B69
- 39570 BENSON, R. B. The classification of *Rhogogaster* Konow (Hymenoptera: Tenthredinidae). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(9/10):105-112. Ref. Oct. 22, 1965. 420 L84Pb
Includes n. spp.
- 39571 BOHART, R. M., and MENKE, A. S. *Diodontus* Curtis, 1834 (Insecta, Hymenoptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1711. Bull. Zool. Nomencl. 22(4):257-258. Ref. Nov. 2, 1965. 410 B874
- 39572 BOHART, R. M., and MENKE, A. S. *Stizus* Latreille, (1802-1803) (Insecta, Hymenoptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1710. Bull. Zool. Nomencl. 22(4):255-256. Nov. 2, 1965. 410 B874
- 39573 BRACKEN, G. K. Effects of dietary components on fecundity of the parasitoid *Exeristes comstockii* (Cress.) (Hymenoptera: Ichneumonidae). Can. Entomol. 97(10):1037-1041. Ref. Oct. 1965. 421 C16
- 39574 BRIAN, M. V., HIBBLE, J., and STRADLING, D. J. Ant pattern and density in a southern English heath. J. Anim. Ecol. 34(3):545-555, map. Ref. Oct. 1965. 410 J826
- 39575 CHANDLER, L. The social wasps in Indiana (Hymenoptera; Vespidae). Ind. Acad. Sci. Proc. 74:197-204. Ref. 1964, pub. 1965. 500 In2
- 39576 CHAUVIN, R. Recording activity under natural conditions on the trails of *Formica polyctena*. (Fr) Insectes Sociaux 12(2):131-144. June 1965. 421 In79
- 39577 CHU, H. C. *Apanteles solitarius* Ratz. and developmental cycle of its generations under conditions of Moscow Region. (Rus) Moscow. Univ. Vestnik. Ser. 6, 3:26-30. May/June 1965. 442.8 M854
- 39578 CHU, H. C. Effect of larvae of *Apanteles solitarius* Ratz. on midgut of gypsy moth (*Porthetria dispar* L.). (Rus) Moscow. Univ. Vestnik. Ser. 6, 4:34-37. July/Aug. 1965. 442.9 M854
- 39579 CLELAND, J. B. The gland on *Acacia phyllodes* and ants [*Camponotus inflatus*]. S. Australian Natur. 39(3):53. Mar. 1965. 410 So82
- 39580 EVANS, G. O., and CHINA, W. E. Opinion 750; *Melissodes fonscolombei* Romand, 1841 (Insecta, Hymenoptera): suppressed under the plenary powers. Bull. Zool. Nomencl. 22(4):220-221. Nov. 2, 1965. 410 B874
- 39581 EVANS, H. E. The behavior patterns of solitary wasps. Annu. Rev. Entomol. 11:123-154. Ref. 1966. 421 An72
- 39582 FLANDERS, S. E. On the sexuality and sex ratios of hymenopterous populations. Amer. Natur. 99(909):489-494. Ref. Nov./Dec. 1965. 470 Am36
- 39583 GROSCH, D. S. Distribution and effective half-life of cobalt-58 in *Habrobracon*. Nature [London] 208(5013):906-907. Ref. Nov. 27, 1965. 472 N21
Bracon hebetor studied.
- 39584 KLEINHOUT, J. Nest-building bumblebees [*Bombus terrestris*]. (Du) Levende Natuur 68(11):288. Nov. 1965. 410 L57
- 39585 KNEE, W. J., and MEDLER, J. T. The seasonal size increase of bumblebee workers (Hymenoptera: *Bombus*). Can. Entomol. 97(11):1149-1155. Ref. Nov. 1965. 421 C16
- 39586 KUROSAWA, Y. The collection of *Tremex nakanei* Takeuchi in Ueno Park. (Ja) Natur. Sci. Mus. 32(1/2):18. 1965. 409.6 Sh6
- 39587 LECCLERCQ, J. Data for an atlas of Hymenoptera of Western Europe. III. Parasitic bees of the genera *Coelioxys* Latreille, *Sphecodes* Latreille, *Melecta* Latreille and *Thyreus* Panzer (Apoidea, Megachilidae, Halictidae and Anthophoridae). (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):98-127. Ref. 1965. 105.1 G285
English summary.
- 39588 LOAN, C. C. Life cycle and development of *Leiophron pallipes* Curtis (Hymenoptera: Braconidae, Euphorinae) in five mirid hosts in the Belleville District. Entomol. Soc. Ontario. Proc. 95:115-121. 1964, pub. 1965. 420 On8
- 39589 MACKAUER, M. J. P., and BISDEE, H. E. *Aphidius smithi* Sharma and Subba Rao (Hymenoptera: Aphidiidae) a parasite of the pea aphid [*Acyrtosiphon pisum*] new in southern Ontario. Entomol. Soc. Ontario. Proc. 95:121-124. 1964, pub. 1965. 420 On8
- 39590 MADDEN, J. L., and PIMENTEL, D. Density and spatial relationships between a wasp parasite [*Nasonia vitripennis*] and its housefly host. Can. Entomol. 97(10):1031-1037. Ref. Oct. 1965. 421 C16
- 39591 MARIKOVSKY, P. I. On one peculiar characteristic of behaviour of the red ants *Formica rufa* L. Insectes Sociaux 12(2):145-149. June 1965. 421 In79
Collecting glittering objects.
- 39592 MILLER, C. D. F. A new Nearctic species of *Euderus* Haliday (Hymenoptera: Eulophidae). Can. Entomol. 97(10):1070-1072. Oct. 1965. 421 C16
Euderus saperdae n. sp.
- 39593 NAGY, C. G. *Scoliidea* new for Rumania. (Rum) Chuj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):57-59. 1965. 442.9 C62
Russian and French summary.
- 39594 NIKOLSKAYA, M. N., and TRJAPITZIN, V. A. *Prospaltella* Ashmead, 1904 (Insecta, Hymenoptera, Chalcidoidea, Aphelinidae): designation of a type-species under the plenary powers. Z.N.(S.) 1713. Bull. Zool. Nomencl. 22(4):261-262. Nov. 2, 1965. 410 B874
- 39595 NIXON, G. E. J. A reclassification of the tribe Microgasterini (Hymenoptera: Braconidae). Brit. Mus. (Natur. Hist.) Entomol. Bull. Suppl. 2, 284 p. Ref. 1965. 420 B773
Includes *Parenion* n. g., and n. spp. in *Apanteles*, *Miopotes* n. g., *Sendaphne* n. g., *Larissimus* n. g., *Prasmodon* n. g., *Semionis* n. g., *Hypomicrogaster*, *Protomicroplitis*, *Xanthomicrogaster*, *Philoplitis* n. g., *Alloplitis* n. g., and *Snellenius*.

- 33596 OKUTANI, T. Sawflies [Symphyta] and horn-tails [Siricidae] from the Ryukyus. Kontyu 33 (1):73-84. Mar.1965. 421 K833
Includes n. spp. in Genaxiphia, Gilpinia, Abeleses, Neostromboceros, and Nesoselandria.
- 33597 ORDWAY, E. The systematics of the genus Augochlorella (Hymenoptera, Halictidae) north of Mexico and the bionomics of *A. striata* and *A. persimilis* in eastern Kansas. Diss. Abs. 26(6):3547. Dec.1965. 241.8 M58
- 39598 POUVREAU, A. Observations of precocious infestation of queens of bumblebees (Hymenoptera, Apoidea, Bombus) by *Sphaerularia bombi* (Nematoda, Tylenchida, Allantonematidae). (Fr) Soc. Zool. France. Bull. 89(5/6):717-719. Ref. 1964, pub.1965. 410.9 P214B
- 39599 ROSELER, P. F. Observations on the mode of behavior of artificially reared polygenes in bumblebee colonies. (Ge) Insectes Sociaux 12(2):105-116. June 1965. 421 In79
- 39600 ROSSEM, G. VAN. Trychosis Foerster, 1868 (Insecta, Hymenoptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1712. Bull. Zool. Nomencl. 22(4):259-269. Nov.2,1965. 410 B874
- 39601 SAFIR, M. On the *Anoplius fuscus* L. (Cz) Ziva 13(4):144-145. July 1965. 409.6 Z6
- 39602 SAKAGAMI, S. F. On the nest construction of two *Euplusia* bees (Hymenoptera, Apidae). (Ge) Kontyu 33(1):11-16. Mar.1965. 421 K833
Euplusia violascens and *E. smaragdina*.
- 39603 SPEICHER, B. R., SPEICHER, K. G., and ROBERTS, F. L. Genetic segregation in the unisexual wasp *Devorgilla* [canescens]. Genetics 52(5):1035-1041. Ref. Nov.1965. 442.8 G28
- 39604 TAYLOR, R. W. New Melanesian ants of the genera *Simopone* and *Amblyopone* (Hymenoptera-Formicidae) of zoogeographic significance. Breviora 221:1-11. May 7,1965. 410 B75
- 39605 TKALCU, B. *Pyrobombus pyrenaeus* Per. in Slovakia. (Cz) Ziva 13(5):182-184, map. Sept. 1965. 409.6 Z6
- 39606 TSENG, S. On the identification of *Trichogramma* insects. (Ch) Acta Entomol. Sinica 14(4):404-410. 1965. 421 K96
English summary.
- 39607 WHITING, A. R. The complex locus R in *Moroniella vitripennis* (Walker). Advances Genet. 13:341-358. Ref. 1965. 443 D39
- 39608 YASUNO, M. The study of ant population in the grassland at Mt. Hakkoda. V. The interspecific and intraspecific relation in the formation of the ant population, with special reference to the effect of the removal of *Formica truncorum yessensis*. Tohoku Univ. Sci. Rep. Ser. 4 (Biol.) 31(3):181-194. Ref. Sept.1965. 513 T574Ab
- 39609 YASUNO, M. Territory of ants in the Kayano grassland at Mt. Hakkoda. Tohoku Univ. Sci. Rep. Ser. 4 (Biol.) 31(3):195-206, map. Ref. Sept.1965. 513 T574Ab
- 39613 BAUER, J. A new *Catocala* from Florida (Lepidoptera: Noctuidae). Entomol. News [Philadelphia] 76(8):197-198. Oct.1965. 421 En88
Catocala louiseae n. sp.
- 39614 BEAUFOY, S. Movement of white butterflies. Suffolk Natur. Soc. Trans. 13(1):38. Feb.1965. 410.9 Su2
Pieris brassicae, *P. rapae* and *P. napi*.
- 39615 BENSON, G. B. G. Butterflies migrating. Suffolk Natur. Soc. Trans. 13(1):48. Feb.1965. 410.9 Su2
- 39616 BOYCE, H. R. Note on bivoltinism in the lesser peach tree borer, *Synanthedon pictipes* (G. & R.). Entomol. Soc. Ontario. Proc. 95:139. 1964, pub.1965. 420 On8
- 39617 BRADLEY, J. D., and POVOLNY, D. The identity of the pepper flower-bud moth [*Gnorimoschema capsica* n. sp.]. Bull. Entomol. Res. 56(1):57-63. Oct.1965. 421 B87
Distinct from *G. gudmannella*.
- 39618 BRANDLE, K. Adaptability of wing pattern determination in *Plodia interpunctella* during and after the unfolding phase. (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(2):243-298. Ref. Aug.31,1965. 410 Z751
- 39619 BROWN, E. S., and SWAINE, G. Virus disease of the African armyworm, *Spodoptera exempta* (Wlk.). Bull. Entomol. Res. 56(1):95-116. Ref. Oct.1965. 421 B87
- 39620 BULL, A. L. Lepidoptera at Easton Bavents 1st to 8th August, 1964. Suffolk Natur. Soc. Trans. 13(2):95-96. July 1965. 410.9 Su2
- 39621 BURROWS, I. D. *Pararge egeria* L., in inner London. Entomol. Rec. J. Variation 77(10):241. Oct.1965. 421 En89
- 39622 BURTON, J. F. *Agriphila latistria* Haw. in Somerset. Entomol. Rec. J. Variation 77(10):241-242. Oct.1965. 421 En89
- 39623 CAPPS, H. W. A new *Undulambia* [U. polystichalis] species on leather-leaf fern [*Polystichum adiantiforme*] in Florida, and note on a closely related Central American species (Lepidoptera: Pyraustidae, Nymphulinae). Fla. Entomol. 48(3):155-157. Sept.1965. 420 F662
- 39624 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 77(10, sup.): (251)-(264). (Cont.) Oct.1965. 421 En89
- 39625 CHIPPERFIELD, H. E. Suffolk Lepidoptera in 1964. Suffolk Natur. Soc. Trans. 13(1):41-43. Feb.1965. 410.9 Su2
- 39626 CHU, H. C., and BEKKER, E. G. Epithelium of the middle intestine of Lepidoptera larvae. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:63-71. Ref. Mar./Apr.1965. 442.9 M854
- 39627 COWAN, C. F. Comment on the proposed designation of a type-species for *Pithecopus* Horsfield, 1828. Z.N.(S.) 1675. Bull. Zool. Nomencl. 22(4):209-210. Nov.2,1965. 410 B874
- 39628 DAELE, E. VAN, and PELERENTS, C. The Bombyces and Sphinges of the region at the confluence of the rivers Scheldt and Lys. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(1):431-458. Ref. 1965. 105.1 G344
English summary.
Population, flight, and host plants of Sphingidae, Notodontidae, Saturniidae, Drepanidae, Lymantriidae, Lasiocampidae, Thyatiridae, Nolidae, Endrosidae, Arctiidae, Cochliidiidae, and Hepialidae.
- 39629 DANIEL, F. Cossidae of Afghanistan (Lepidoptera). (Ge) Opusc. Zool. 77:1-8. Dec.15,1964. 410 Op7
Includes n. spp. in *Catopta* and *Zeuzera*.
- 39630 DE WORMS, BARON. A brief visit to Switzerland, May 1965. Entomol. Rec. J. Variation 77(10):233-234. Oct.1965. 421 En89
Collecting Lepidoptera.

Lepidoptera

SEE ALSO Sericulture and the Silkworm.

- 39610 ARTHUR, M. Ecological studies on *Polydesma umbricola* Boisd. in Hawaii (Lepidoptera: Noctuidae). Diss. Abs. 26(7):4121. Jan.1966. 241.8 M58
- 39611 ASTON, A. E. The angle-striped sawfly moth [*Ehargia paleacea*] and other Lepidoptera in Suffolk during 1964. Suffolk Natur. Soc. Trans. 13(1):39-40. Feb.1965. 410.9 Su2
- 39612 BARTEK, A. Rearing and breeding of Sphingidae. (Cz) Ziva 13(6):220-221. Nov.1965. 409.6 Z6

- 39631 DE WORMS, BARON. Collecting [Lepidoptera] in Suffolk, July, 1964. Suffolk Natur. Soc. Trans. 13(1):29-30. Feb.1965. 410.9 Su2
- 39632 DE WORMS, BARON. *Crambus furcatellus* Zett. in the Lake District. Entomol. Rec. J. Variation 77(10):240. Oct.1965. 421 En89
- 39633 DE WORMS, BARON. *Hydrillula palustris* Hubn. in Woodwalton Fen. Entomol. Rec. J. Variation 77(10):240. Oct.1965. 421 En89
- 39634 DE WORMS, BARON. The scarce black arches (*Celama tuberculana*, Bosc) in Suffolk with notes on its general occurrence in the British Isles. Suffolk Natur. Soc. Trans. 13(1):36-37. Feb.1965. 410.9 Su2
- 39635 DE WORMS, BARON. Some further records of Suffolk Lepidoptera for 1964. Suffolk Natur. Soc. Trans. 13(1):31-35. Feb.1965. 410.9 Su2
- 39636 DICKSON, C. G. C. Evasive behaviour of two South African satyrid butterflies. Entomol. Rec. J. Variation 77(10):239. Oct.1965. 421 En89
Melampias hyperbius and *Torynesis mintha*.
- 39637 DIERL, W. To the knowledge of *Amicta murina* (Klug), Lep. Psychidae; *Amicata mauritanica* Rotsch. bona species. (Ge) Opusc. Zool. 80,1-9. Ref. Dec.15,1964. 410 Op7
- 39638 EHRLICH, P. R. The population biology of the butterfly, *Euphydryas editha*. II. The structure of the Jasper Ridge colony. Evolution 19(3):327-336, map. Ref. Sept.1965. 443.8 Ev62
- 39639 EYLES, A. C. Observations on some parasites of two *Wiseana* species (Lep.: Hepialidae). New Zeal. J. Agr. Res. 8(4):951-958. Ref. Nov.1965. 23 N4892
Taken from pastures; includes *Wiseana cervinata*.
- 39640 FORD, G. A. *Agrotis obscura* (Ravida) (stout dart). Entomol. Rec. J. Variation 77(10):239. Oct.1965. 421 En89
- 39641 FORSTER, W. Contribution to the knowledge to the insect fauna of Bolivia. XIX. Lepidoptera. III. Satyridae. (Ge) Zool. Staatssammlung. Veröffentlichungen 8:53-188. Aug.15,1964. 410.9 Z75
Includes *Posttaygetis* n. g., *Taygetina* n. g., *Harjesia* n. g., *Parataygetis* n. g., *Rareuptychia* n. g., *Hermeuptychia* n. g., *Pharneuptychia* n. g., *Caeruleuptychia* n. g., *Yphthimoides* n. g., *Weymerana* n. g., *Zischkaia* n. g., *Erichthodes* n. g., *Chloreuptychia* n. g., *Megeuptychia* n. g., *Argyreuptychia* n. g., *Magneuptychia* n. g., *Praefaunala* n. g., *Punapedaliodes* n. g., *Pherepedaliodes* n. g., *Antopedaliodes* n. g., *Physcopedaliodes* n. g., *Muscopedaliodes* n. g., *Corderopedaliodes* n. g., *Panyapedaliodes* n. g., *Praeprophila* n. g., and n. spp. in *Taygetis*, *Manerebia*, *Pseudodebis* n. g., *Euptychoides* n. g., *Pareuptychia* n. g., *Paryphthimoides* n. g., *Haywardina* n. g., *Splendeuptychia* n. g.
- 39642 FREEMAN, T. N. A new species of *Parapandemis* Obratzov, [P. borealis] a genus new to Canada (Lepidoptera: Tortricidae). Can. Entomol. 97(10):1114-1116. Oct.1965. 421 C16
- 39643 GREEN, G. W. The effect of physical factors on the emergence and subsequent behaviour of adults of the European pine shoot moth, *Rhyacionia buoliana* (Schiff.). Can. Entomol. 97(10):1077-1089. Ref. Oct.1965. 421 C16
- 39644 GRIMWOOD, K. W. *Fritillaria* [*Mesoacidalia charlotta*] in garden. Entomol. Rec. J. Variation 77(10):240. Oct.1965. 421 En89
- 39645 GUSSIN, A. E. S., and WYATT, G. R. Soluble and membrane-bound trehalases in insects. Ind. Acad. Sci. Proc. 74:350. 1964, pub.1965. 500 In2
Cecropia moth, *Hyalophora cecropia*.
- 39646 HABECK, D. H. Laboratory culture and development in *Elaphria nucicolora* (Lepidoptera: Noctuidae). Fla. Entomol. 48(3):187-188. Sept. 1965. 420 F662
- 39647 HANNEMANN, H. J. List of German Microlepidoptera. II. Cochylidae, Pyraloidea. (Ge) Deut. Entomol. Z. (n.s.)12(3):273-288. Sept.20, 1965. 421 D48
- 39648 HARDWICK, D. F. A synopsis of the ridingsiana group of the genus *Euxoa* (Lepidoptera: Noctuidae) with a description of a new species [*E. macrodentata*]. Can. Entomol. 97(11):1221-1226. Nov.1965. 421 C16
- 39649 HARPER, G. W. The sexual behaviour of Lepidoptera. Entomol. Rec. J. Variation 77(10):240. Oct.1965. 421 En89
- 39650 HAVEL, L. Biology of *Limentis populi*. (Cz) Ziva 13(5):187. Sept.1965. 409.6 Z6
- 39651 HEATH, J. A genuinely portable M. V. [mercury vapour] light trap. Entomol. Rec. J. Variation 77(10):236-238. Oct.1965. 421 En89
For Lepidoptera.
- 39652 HONMA, K. Studies on the semiaspetic rearing of the smaller tea tortrix, *Adoxophyes orana* (Fischer von Roslerstamm), on synthetic diet for experimental uses. I. On the isolation as a rearing technique. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:35-43. Mar.1965. 87 M822
English summary.
- 39653 HRABAK, R. From the life history of *Saturnia pyri* Den. et Schiff. (Cz) Ziva 13(4):146-147. July 1965. 409.6 Z6
- 39654 INOUE, H. Notes on some synonyms of the *Lymantriidae* from Formosa (Lepidoptera). Kontyu 33(1):143-145. Mar.1965. 421 K833
- 39655 INOUE, H. Some unrecorded moths from the Amami Islands, Japan, with description of a new subspecies [*Leopa katinka sakaei*]. Kontyu 33(1):131-141. Mar.1965. 421 K833
- 39656 JOHNSON, SIR G. Some butterflies in Greece, 1965. Entomol. Rec. J. Variation 77(10):229-232. Oct.1965. 421 En89
- 39657 KIRKPATRICK, R. L., and HAREIN, P. K. Inhibition of reproduction of Indian-meal moths, *Plodia interpunctella*, by exposure to amplified sound. J. Econ. Entomol. 58(5):920-921. Oct. 1965. 421 J822
- 39659 KUUSIK, A. Biology of *Blastesthia turionella* L. (Lepidoptera, Tortricidae) in Estonia. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 3:338-343. 1965. 442.9 Ak18
German summary.
- 39659 KUUSIK, A. *Calotaenia celsia* L. in the Estonian S.S.R. (Es) Eesti Loodus 1:63. Jan./Feb. 1965. 409.6 Ee7
- 39660 KUUSIK, A. Some data on distribution and biology of *Rhyacionia pinicolana* Dbld. and *Rhyacionia pinivorana* Z. (Lepidoptera, Tortricidae) in Estonia. (Rus) Akad. Nauk. Est. SSR. Izv. Ser. Biol. 4:272-277. Ref. 1964. 442.9 Ak18
German summary.
- 39661 LEECH, M. J. *Apeira syringaria* L., in a bred gynandrous specimen. Entomol. Rec. J. Variation 77(10):241. Oct.1965. 421 En89
- 39662 LEECH, M. J. *Hylecoetus dermestoides* L. (Col., Lymexylonidae) in Leicestershire. Entomol. Rec. J. Variation 77(10):235. Oct.1965. 421 En89
- 39663 LEECH, M. J. A visit to Princethorpe Wood, Warwickshire. Entomol. Rec. J. Variation 77(10):235. Oct.1965. 421 En89
Collecting Lepidoptera.
- 39664 MEINWALD, J., and others. Major components in the exocrine secretion of a male butterfly (*Lycorea*). Science 151(3710):583-585. Feb.4,1966. 470 Sci2
Y. C. Meinwald, J. W. Wheeler, T. Eisner, and L. P. Brower, joint authors.
Lycorea ceres ceres.
- 39665 MIKKOLA, K., and SALMENSUU, P. Migration of *Laphygma exigua* Hb. (Lep., Noctuidae) in Northwestern Europe in 1964. Ann. Zool. Fenn. 2(2):124-139, map. 1965. 410 An712

- 39666 MISKIMEN, G. W. Nonaseptic laboratory rearing of the sugarcane borer, *Diatraea saccharalis*. Entomol. Soc. Amer. Ann. 58(6):820-823. Nov.1965. 420 En82
- 39667 MOOK, L. J., and MARSHALL, H. G. W. Digestion of spruce budworm [*Choristoneura fumiferana*] larvae and pupae in the olive-backed thrush, *Hyloichichla ustulata swainsoni* (Tschudi). Can. Entomol. 97(11):1144-1149. Ref. Nov.1965. 421 C16
- 39668 MORIUTI, S. Studies on the Yponomeutoidea. XI. Two new species of the *Pseudocalantica* Friese (Lepidoptera; Yponomeutidae) from Nepal. Kontyu 33(1):7-10. Mar.1965. 421 K833
Pseudocalantica yasudai and *P. nakaio* n. spp.
- 39669 MULLER, A. Investigations of scales on *Cossidae* (Ins. Lep.). (Ge) Deut. Entomol. Z. (n.s.) 12(3):181-271. Sept.20,1965. 421 D48
- 39670 NATION, J. L., and THOMAS, K. K. A comparison of methods for quantitative estimation of hypoxanthine, xanthine, and uric acid in insect [*Galleria mellonella*] material. Fla. Entomol. 48(3):183-186. Ref. Sept.1965. 420 F662
- 39671 NATION, J. L., and THOMAS, K. K. Quantitative studies on purine excretion in the greater wax moth, *Galleria mellonella*. Entomol. Soc. Amer. Ann. 58(6):883-885. Ref. Nov.1965. 420 En82
- 39672 OBRAZTSOV, N. S. Two cases of synonymy in the North American *Acleris* species (Lepidoptera, Tortricidae). Entomol. News [Philadelphia] 76(9):225-232. Ref. Nov.1965. 421 En88
Acleris walkerana and *A. tripunctana*.
- 39673 OITICICA, J. Sobre alguns tipos do genero *Manduca* (Protoparce dos autores) no British Museum (Natural History) (Lepidoptera, Sphingidae) [Some types of the genus *Manduca* (Protoparce of authors in the British Museum of Natural History (Lepidoptera, Sphingidae))]. Belem. Mus. Paraense Emilio Goeldi. Bol. Nova Ser. Zool. 56,29 p. Ref. Mar.30,1965. 410,9 P215
English summary.
- 39674 OITICICA, J. Uma especie nova do genero *Automeris* (Lepidoptera, Hemileucidae) [A new species of the genus *Automeris* (Lepidoptera, Hemileucidae)]. Belem. Mus. Paraense Emilio Goeldi. Bol. Nova Ser. Zool. 55,6 p. Feb.16,1965. 410,9 P215
English summary.
Automeris lauroia n. sp.
- 39675 OUYE, M. T., and others. Mating studies on the pink bollworm, *Pectinophora gossypiella* (Lepidoptera: Gelechiidae), based on presence of spermatophores. Entomol. Soc. Amer. Ann. 58(6):880-882. Nov.1965. 420 En82
R. S. Garcia, H. M. Graham, and D. F. Martin, joint authors.
- 39676 PENGELLY, D. H. Oviposition sites and the viability of eggs of *Thymelicus lineola* (Ochs.) (Lepidoptera: Hesperidae). Entomol. Soc. Ontario. Proc. 95:102-105. 1964, pub.1965. 420 On8
- 39677 PERRAJU, A., NAIDU, K. P. S., and REDDI, G. P. V. The occurrence of coremata in certain Lepidoptera. Andhra Agr. J. 11(5):228-230. 1964. 34,2 An4
- 39678 REED, W. *Heliothis armigera* (Hb.) (Noctuidae) in western Tanganyika. I. Biology, with special reference to the pupal stage. Bull. Entomol. Res. 56(1):117-125. Ref. Oct.1965. 421 B87
- 39679 REVELS, R. C. *Apatura iris* L. in Hampshire. Entomol. Rec. J. Variation 77(10):241. Oct. 1965. 421 En89
- 39680 REVELS, R. C. *Herse convolvuli* L. in Bedfordshire. Entomol. Rec. J. Variation 77(10):238. Oct.1965. 421 En89
- 39681 RILEY, N. D. *Papilio lintingensis* Osbeck, 1765 (Lepidoptera, Nymphalidae): proposed suppression under the plenary powers. Z.N.(S.) 1708. Bull. Zool. Nomencl. 22(4):248-249. Nov.2,1965. 410 B874
- 39682 ST. LEGER, R. G. T. The larger butterflies of the Obudu Plateau. Nigerian Field 30(2): 69-81. Apr.1965. 410 N56
- 39683 SCHMIDT, K. Study to determine the form and color of scales on the fore wings of *Plodia interpunctella*. (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(2):189-242. Ref. Aug.31, 1965. 410 Z751
- 39684 SCHMIEGE, D. C. The fecundity of the black-headed budworm *Acleris variana* (Fern.) (Lepidoptera: Tortricidae) in coastal Alaska. Can. Entomol. 97(11):1226-1230. Nov.1965. 421 C16
- 39685 SHCHETKIN, YU. L. Vysshie cheshuekrylye peskov Vakhshskoi doliny; Lepidoptera: Rhopalocera i Heterocera [Higher Lepidoptera of the Vakhish-Valley (Lepidoptera, Rhopalocera and Heterocera)]. Dushanbe, Izdatel'stvo Akademii Nauk Tadzhikskoi SSR, 1965. 193 p. Ref. 430 Sh23
Includes n. spp. in *Ochropleura*, *Thargelia*, *Metopoplus* and *Aridagricola* n. g.
- 39686 SHOREY, H. H., and GASTON, L. K. Sex pheromones of noctuid moths. VIII. Orientation to light by pheromone-stimulated males of *Trichoplusia ni* (Lepidoptera: Noctuidae). Entomol. Soc. Amer. Ann. 58(6):833-836. Ref. Nov.1965. 420 En82
- 39687 SLOAN, N. F., and COPPEL, H. C. Population fluctuations of the larch casebearer, *Coleophora laricella* Hbn. in the University Arboretum, Madison, Wisconsin, 1962-1964. Forest. Res. Notes 122,3 p. June 1965. 99,8 F76292
- 39688 SPITZER, K. Hepialidae. (Cz) Ziva 13(1):25-26. Jan.1965. 409,6 Z6
Chiefly taxonomy and biology.
- 39689 SUTHERLAND, D. W. S. Food plants and parasites of *Anagrapta falcifera* and *Autographa precatonis* (Lepidoptera: Noctuidae) collected at Long Island, New York. Entomol. News [Philadelphia] 76(9):246-247. Nov.1965. 421 En88
- 39690 TAMURA, M. Preliminary note on the biology of *Hypantiria cunea* Drury. (Ja) Kontyu 33(1): 58-60. Mar.1965. 421 K833
- 39691 TSAI, P. H., HOU, T. C., and SUNG, S. M. A preliminary investigation on interspecific hybridization and hybrid biology of *Dendrolimus*. (Ch) Acta Entomol. Sinica 14(4):347-359. 1965. 421 K96
Russian summary.
- 39692 TUURALA, O. Uber die pigmentwanderungen in den basalen retinulazellen (basalzellen) der Schmetterlinge [On the pigment movement in the basal reticular cells (basal cells) of Lepidoptera]. Suomalainen Tiedekatemia. Ann. Ser. A, IV. Biol. 85,9 p. 1965. 442,9 H36
Eucosma tetraquetra and *Plutella maculipennis*.
- 39693 URQUHART, F. A. Monarch butterfly (*Danaus plexippus*) migration studies: autumnal movement. Entomol. Soc. Ontario. Proc. 95:23-33, map. Ref. 1964, pub.1965. 420 On8
- 39694 UTTAL, L. J. A plant-insect relationship in *Ruellia* L. (Acanthaceae) coincidental to autogenous populations. Va. J. Sci. (n.s.) 17(1):46-48. Jan.1966. 470 V81
Cobubatha spp.
- 39695 VARGA, Z. Zoogeographical analysis and Macrolepidoptera fauna of Hungary. I. (Ge) Debrecen. Tudegyetum. Acta (ser.2)2:141-154. 1963, pub.1964. 510 D35
- 39696 WATSON, A. A revision of the Ethiopian Drepanidae (Lepidoptera). Brit. Mus. (Natur. Hist.) Entomol. Bull. Suppl. 3,177 p., map. Ref. 1965. 420 B773
Includes *Isospidia* n. g., *Oretopsis* n. g., *Nidarinae* n. sfam. and n. spp. in *Epicampoptera*, *Negera*, *Gonoreta*, *Gonoretodes* n. g., *Spidia*, *Crocinis*, *Callidrepana*, and *Nidara*.
- 39697 WELCH, D. A change in the upper altitudinal limit of *Coleophora alticolella* Zell. (Lepidoptera). J. Anim. Ecol. 34(3):725-729. Oct.1965. 410 J826

- 33698 YASUDA, T. A study of the Japanese Tortricidae. II. Kontyu 33(1):1-6. Mar.1965. 421 K833
Tribe Ceracini: Eurydoxa advena and Cerace xanthocosma.

Orthoptera

- 33699 ALBUQUERQUE, I. R. E. S. On a collection of cockroaches from Venezuela (Orthoptera, Blattodea). Belem. Mus. Paraense Emilio Goeldi. Bol. Nova Ser. Zool. 45:1-22. Ref. July 27, 1964. 410.9 P215
Includes n. spp. in Malestora, Riatia, Ischnoptera, Dasyblatta, Neoblattella, Leuropeltis, and Chromatonotus.
- 39700 BEIER, M. A new Mantidae genus from Israel. (Ge) Israel J. Zool. 13(4):184-186. Apr.1965. 410 Is7
Holaptilon pusillum n. g., n. sp.
- 39701 BERNARD, J., GAHERY, Y., and BOISTEL, J. The effects of temperature changes applied to the cercal nerves and to the sixth abdominal ganglion of the cockroach (Blaber craniifer Burm.). In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.67-72. 1965. 420 T71
- 39702 BLUZAT, R. The influence of X rays during embryogenesis of Gryllus domesticus L. (Orthoptera). (Fr) Soc. Zool. France. Bull. 89(4):478-495. Ref. 1964. 410.9 P214B
- 39703 BUNDE, D. E. Free amino acid content and biosynthesis in eggs of the grasshopper Aulocara elliotti Thomas during development. Diss. Abs. 26(7):4036. Jan.1966. 241.8 M58
- 39704 BURTT, E. T., and CATTON, W. T. Perception by locusts of rotated patterns. Science 151 (3707):224. Jan.14,1966. 470 Sci2
- 39705 CALLEC, J. J., and BOISTEL, J. Analysis with microelectrodes of the synaptic transmission at the level of the sixth abdominal ganglion of a cockroach, Periplaneta americana. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.59-65. 1965. 420 T31
- 39706 DELPHIN, F. The histology and possible functions of neurosecretory cells in the ventral ganglia of Schistocerca gregaria Forskal (Orthoptera: Acrididae). Roy. Entomol. Soc. London. Trans. 117(6):167-214. Ref. Oct.22,1965. 420 L84
- 39707 DOBRIVOJEVIC, K. Oecanthus pellucens Scop., a new pest of raspberries in Yugoslavia. (Se) Zastita Bilja 84:213-218. 1965. 464.8 Z1
English summary.
- 39708 EDWARDS, L. J., and PATTON, R. L. Effects of carbon dioxide anesthesia on the house cricket, Acheta domesticus (Orthoptera: Gryllidae). Entomol. Soc. Amer. Ann. 58(6):828-832. Ref. Nov.1965. 420 En82
- 39709 FREON, G. Study of neurosecretory activity in the chain of ventral nerves of the migratory locust, Locusta migratoria L. (Fr) Soc. Zool. France. Bull. 89(5/6):819-830. Ref. 1964, pub. 1965. 410.9 P214B
- 39710 GAHERY, Y., and BOISTEL, J. Study of some pharmacological substances which modify the electrical activity of the sixth abdominal ganglion of the cockroach, Periplaneta americana. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.73-78. Ref. 1965. 420 T71
- 39711 GOURANTON, J. Study of the structure of the cerebroid ganglions of Locusta migratoria migratorioides. (Fr) Soc. Zool. France. Bull. 89 (5/6):785-797. Ref. 1964, pub.1965. 410.9 P214B
- 39712 HEITZMANN-FONTENELLE, T. J. Genitalia of Metriomantis gracilicollis Beier 1935 (Mantodea, Photininae). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:21-25. 1965. 410.9 Sa63
English summary.

- 39713 HEITZMANN-FONTENELLE, T. J. Morphological description of Acontiothespis concinna Perty 1832 (Mantidae, Acontiothespinae). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:277-289. Ref. 1965. 410.9 Sa63
English summary.
- 39714 HOLLIS, D. A revision of the genus Trilophidia Stal (Orthoptera: Acridoidea). Roy. Entomol. Soc. London. Trans. 117(8):245-262, map. Ref. Oct.22,1965. 420 L84
Includes n. sp.
- 39715 HORRIDGE, G. A., and others. Extracellular recordings from single neurones in the optic lobe and brain of the locust [Locusta migratoria]. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.165-202. Ref. 1965. 420 T71
J. H. Scholes, S. Shaw, and J. Tunstall, joint authors.
- 39716 HOYLE, G. Neurophysiological studies on learning in headless insects. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.203-232. 1965. 420 T71
Schistocerca gregaria, Melanoplus differentialis, and Periplaneta americana.
- 39717 HSIA, P. Y., and KUO, F. Studies on the reproduction of the oriental migratory locust: changes of some chief constituents of the reproductive organs during normal adult development. (Ch) Acta Entomol. Sinica 14(4):395-403. Ref. 1935. 421 K96
English summary.
Locusta migratoria manilensis.
- 39718 HUBER, F. Brain controlled behaviour in orthopterans [Gryllus campestris]. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.233-246. 1965. 420 T71
- 39719 KAUFMAN, T. Biological studies on some Bavarian Acridoidea (Orthoptera), with special reference to their feeding habits. Entomol. Soc. Amer. Ann. 58(6):791-801. Ref. Nov. 1965. 420 En82
- 39720 KRISHAN, A., and BUCK, R. C. Ultrastructure of cell division in insect spermatogenesis. J. Ultrastruct. Res. 13(5/6):444-458. Ref. Dec. 1965. 440.8 J822
Cockroaches.
- 39721 LAWSON, F. A., and LAWSON, E. Q. Sexing first instar cockroaches (Orthoptera: Blattidae). Kans. Entomol. Soc. J. 38(4):408-410. Oct.1965. 420 K13
- 39722 LOUVET, J. P. The segregation of the mesoderm in the embryo of phasid Carausius morosus Br. (Fr) Soc. Zool. France. Bull. 89 (5/6):688-701. 1964, pub.1965. 410.9 P214B
- 39723 LUCO, J. V., and ARANDA, L. C. Reversibility of an electrical correlate to the process of learning. Nature [London] 209(5019):205-206. Jan.8,1966. 472 N21
In cockroaches.
- 39724 MA, S. C., TING, Y. C., and LI, T. M. Study on long-term prediction of locust population fluctuations. (Ja) Acta Entomol. Sinica 14(4):319-338. Ref. 1965. 421 K96
English summary.
- 39725 MARTOJA, R., and LAUVERJAT, S. Histochemical characteristics and sexual dimorphisms of the fat body in Orthoptera insects. (Fr) Soc. Zool. France. Bull. 89(4):339-383. Ref. 1964. 410.9 P214B
- 39726 MEINWALD, J., and others. Cyclopentanoid terpene biosynthesis in a phasid insect and in catmint. Science 151(3706):79-80. Ref. Jan.7, 1966. 470 Sci2
G. M. Happ, J. Labows, and T. Eisner, joint authors.
Anisomorpha buprestoides and Nepeta cataria.

- 39727 MESA, A. Caryology of four Chilean species of gryllacridoids of the genus *Heteromallus* (Orthoptera: Gryllacridoidea: Rhaphidophoridae). Mich. Univ. Mus. Zool. Occas. Pap. 640: 1-13. Ref. June 21, 1965. 410 M582
- 39728 MICHEL, R. Experimental study of certain aspects of the discriminatory ability of larvae of *Locusta migratoria migratorioides* (R. & F.) in the course of their daily activity in the laboratory. (Fr) Insectes Sociaux 12(2):93-104. Ref. June 1965. 421 In79
English summary.
- 39729 MILLER, P. L. The central nervous control of respiratory movements. In Treherne, J. E., and Beament, J. W. L., ed. The Physiology of the insect central nervous system, p.141-155. 1965. 420 T71
Grasshoppers and dragonflies.
- 39730 MINKS, A. K. Hemolymph protein and amino-acid composition as influenced by the corpus allatum in *Locusta migratoria migratorioides* (R. & F.). Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 68(4):320-323. 1965. 442.9 Am8
- 39731 PALKA, J. M. Diffractive limitations on visual acuity, and some properties of a visual pathway in the ventral nerve cord of locusts. Diss. Abs. 26(6):3547-3548. Dec. 1965. 241.8 M58
- 39732 PECINA, P. Locusts of the genus *Tettigonia* L. (*Locusta* DeG.) in nature and insect collections. (Cz) Ziva 13(3):102-103. May 1965. 409.6 Z6
Taxonomy.
- 39733 POPOV, G., ZELLER, W., and COCHEME, J. Ecological survey report on studies in India, Pakistan and Iran during 1963-64. Food Agr. Organ. UN UNSF/DL/ES/7,219 p.,map. Ref. Apr. 1965. 429 F732U
Schistocerca gregaria and plant ecology of the areas studied.
- 39734 RAY, J. W. The free amino acid pool of cockroach (*Periplaneta americana*) central nervous system. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.31-38. Ref. 1965. 420 T71
- 39735 REYES Q., J. A. Biological study of *Blattella germanica* (L) (Orthoptera: Blattellidae). (Sp) Acta Agron. [Palmira] 14(1/4):47-69. Ref. 1964, pub. 1965. 9.4 Ac8
English summary.
- 39736 RICHARDS, A. M. Revision of the Rhaphidophoridae (Orthoptera) of New Zealand. XII. A new species of *Pallidoplectron* Richards. Roy. Soc. New Zeal. Trans. Zool. 7(8):135-139. Sept. 16, 1965. 514 W46Tz
- 39737 RIEGERT, P. W. Effects of grouping, pairing and mating on the bionomics of *Melanoplus bilituratus* (Walker) (Orthoptera: Acrididae). Can. Entomol. 97(10):1046-1051. Ref. Oct. 1965. 421 C16
- 39738 RINTERKNECHT, E. Influence of juvenile hormone on the reconstruction of teguments in adult *Locusta migratoria*. (Fr) Soc. Zool. France. Bull. 89(5/6):723-730. 1964, pub. 1965. 410.9 P214B
- 39739 RINTERKNECHT, E. Study of the reconstruction of larval teguments of *Locusta migratoria* in phase IV; its interference with molting. (Fr) Soc. Zool. France. Bull. 89(4):383-392. 1964. 410.9 P214B
- 39740 RINTERKNECHT, E. Study of the reconstruction of larval teguments of *Locusta migratoria* in phase V; compared with phase IV. (Fr) Soc. Zool. France. Bull. 89(4):451-459. 1964. 410.9 P214B
- 39741 ROY, S. G., and MUKHERJEE, G. D. Use of Mahalanobis D^2 -statistic in phase-discrimination in desert locust males. Sankhya, Ser. B, 28(3/4):237-252. Ref. Dec. 1965. 251.8 In2B
Gregaria and solitaria phases of *Schistocerca gregaria*.
- 39742 SAYER, H. J. The determination of flight performance of insects and birds and the associated wind structure of the atmosphere. Anim. Behav. 13(2/3):337-341. Apr./July 1965. 410 B77
Chiefly *Schistocerca gregaria*.
- 39743 SMITH, D. S., and TREHERNE, J. E. The electron microscopic localization of cholinesterase activity in the central nervous system of an insect, *Periplaneta americana* L. J. Cell Biol. 26(2):445-465. Ref. Aug. 1965. 442.8 J828
- 39744 SVIDERSKII, V. L. Activity of single neurons in the thoracic ganglion in *Locusta migratoria*. (Rus) Akad. Nauk SSSR. Dok. 164(5):1204-1207. Ref. 1965. 511 P444A
- 39745 SVOBODA, J. A. Studies on some of the lipids of the egg of the grasshopper species *Aulocara eliotti* Thomas. Diss. Abs. 26(7):4044. Jan. 1966. 241.8 M58
- 39746 THOMAS, A. Experimental study relating to endocrine control of oogenesis in *Gryllus domesticus* L. (Fr) Soc. Zool. France. Bull. 89(5/6):835-854. Ref. 1964, pub. 1965. 410.9 P214B
- 39747 TREHERNE, J. E. The chemical environment of the insect central nervous system. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.21-29. Ref. 1965. 420 T71
Periplaneta americana and *Carausius morosus*.
- 39748 WEGLENSKI, P. Cytological and genetical observations on Polish species of the genus *Tetrix* Latr. (Orthoptera, Tetrigidae). Pol. Akad. Nauk. Inst. Zool. Ann. Zool. 22(19):421-439. Ref. Dec. 30, 1964. 410.9 W26
- 39749 WILSON, D. M. The nervous co-ordination of insect locomotion. In Treherne, J. E., and Beament, J. W. L., ed. The physiology of the insect central nervous system, p.125-140. Ref. 1965. 420 T71
Grasshoppers, flies, and cockroaches.
- 39750 WOODROW, D. F. The responses of the African migratory locust *Locusta migratoria migratorioides* R. & F. to the chemical composition of the soil at oviposition. Anim. Behav. 13(2/3):348-356. Ref. Apr./July 1965. 410 B77

Smaller Orders

- 39751 ASAHINA, S. Taiwanese Odonata taken during 1964 survey, with notes on some other little-known species. Kontyu 33(1):123-129. Mar. 1965. 421 K833
- 39752 BARRETT, J. H. The occurrence of termites in the New Guinea Highlands. Papua New Guinea Highlands. Papua New Guinea Agr. J. 17(3): 95-98. Aug. 1965. 23 N453
- 39753 BAUDOIN, J. On some Gregarina, Actinocephalidae from Trichoptera. (Fr) Arch. Zool. Exp. Gen. 105(2):245-256. Ref. June 1965. 410 Ar24
- 39754 BEAUCOURNU, J. C., RAULT, B., and BEAUCOURNU-SAGUEZ, F. Contribution to the study of Siphonaptera in Corsica. (Fr) Soc. Zool. France. Bull. 89(5/6):737-754. Ref. 1964, pub. 1965. 410.9 P214B
- 39755 BECHET, I. Psocoptera (Insecta) in the fauna of People's Republic Rumania. 3. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):71-72. 1965. 442.9 C62
Russian and French summary.
- 39756 BECHET, I. Psocoptera (Insecta) of Rumania. 2. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):61-66. Ref. 442.9 C62
Russian and French summary.
- 39757 BECHET, I. *Sturnidoecus radui* n. sp. (Insecta, Mallophaga) a parasite of *Oriolus o. oriolus* (L.) (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(2):59-62. 1965. 442.9 C62
Russian and French summary.

- 39758 BECKER, G. Moisture effects on food choice and consumption of some termite species. (Ge) *Insectes Sociaux* 12(2):151-183. Ref. June 1965. 421 In79
English summary.
Moisture in wood and soils.
- 39759 BRIGADIER, W., and WARD, G. L. Protura of Wayne County, Indiana. *Ind. Acad. Sci. Proc.* 74:205-206. 1964, pub. 1965. 500 In2
- 39760 CLAY, T. Contributions towards a revision of *Myrsidea* Waterston (Mallophaga: Menoponidae). II. Roy. Entomol. Soc. London. *Proc. Ser. B, Taxonom.* 34(9/10):117-122. Oct. 22, 1965. 420 L84Pb
Includes n. sp.
- 39761 DAVIS, C. C. A study of the hatching process in aquatic invertebrates. XVIII-XIX. *Amer. Midland Natur.* 74(2):443-450. Ref. Oct. 1965. 410 M58
XVIII, Eclosion in *Helicopsyche borealis* (Hagen) (Trichoptera, Helicopsychidae); XIX, Hatching in *Psephenus herricki* (De Kay) (Coleoptera, Psephenidae).
- 39762 DEVAL, GY., and VARGA, Z. Data on the Odonata fauna of the Zemplen Mountain. (Hu) *Debrecen. Tudgyetem. Acta (ser.2)* 2:3-9. Ref. 1963, pub. 1964. 510 D35
German summary.
- 39763 EVANS, G. O., and CHINA, W. E. Opinion 752; *Boriomyia* Banks, 1904 (Insecta, Neuroptera): added to the official list of generic names. *Bull. Zool. Nomencl.* 22(4):224-225. Nov. 2, 1965. 410 B874
- 39764 HOLLAND, G. P. New species and subspecies of *Anomiopsyllus* Baker from Mexico (Siphonaptera: Hystrichopsyllidae). *Can. Entomol.* 97(10):1051-1058. Oct. 1965. 421 C16
- 39765 HOPKINS, G. H. E. Application for the stabilization of the name *Ceratophyllus soricis* Dale, 1878 (Insecta, Siphonaptera) by establishment of a neotype. *Z.N.(S.)* 1618. *Bull. Zool. Nomencl.* 22(4):233-234. Nov. 2, 1965. 410 B874
- 39766 HOPKINS, G. H. E. The type-species of *Monopsyllus Kolenati*, 1857 (Insecta, Siphonaptera) and related matters. *Z.N.(S.)* 1709. *Bull. Zool. Nomencl.* 22(4):250-254. Nov. 2, 1965. 410 B874
- 39767 HOPPENHEIT, M. Studies on the effect of starvation and satiation on the predatory behavior of *Aeschna cyanea* Mull. larvae (Odonata). (Ge) *Z. Wiss. Zool.* 170(3/4):309-322. Ref. 1964. 410 Z3
- 39768 HSIA, K. L., and FAN, S. T. Notes on the genus *Reticulitermes* Holmgren of China (Isoptera, Rhinotermitidae). (Ch) *Acta Entomol. Sinica* 14(4):360-382. Ref. 1965. 421 K96
English summary.
Includes new species.
- 39769 HUGHES, D. A. Preliminary investigations of the light responses of Ephemeroptera nymphs. *So. African J. Sci.* 61(11):397-403. Nov. 1965. 515 So84
Studies on *Baetis harrisoni* and *Tricorythus discolor*.
- 39770 KIS, B. A contribution to the study of genus *Nemoura* (Plecoptera) in People's Republic Rumania. (Rum) *Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol.* 10(2):63-69. Ref. 1965. 442.9 C62
French summary.
Nemoura hamata, n. sp. and *N. banatica*, n. sp.
- 39771 KIS, B., and SZEKELY, I. A contribution to the study of the genus *Protonemura* (Plecoptera) of Rumania. (Rum) *Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol.* 10(1):67-71. Ref. 1965. 442.9 C62
Russian and French summary.
- 39772 KNIGHT, A. W., NEBEKER, A. V., and GAUFIN, A. R. Further descriptions of the eggs of Plecoptera of Western United States. *Entomol. News [Philadelphia]* 76(9):233-239. Nov. 1965. 421 En88
- 39773 MACKLIN, J. M. Effect of photoperiod upon rate of development in naiads of *Erythemis simplicicollis* (Say) (Odonata; Libellulidae). *Ind. Acad. Sci. Proc.* 74:194. 1964, pub. 1965. 500 In2
- 39774 MAMPE, C. D., and NEUNZIG, H. H. Larval descriptions of two species of *Panorpa* (Mecoptera: Panorpidae), with notes on their biology. *Entomol. Soc. Amer. Ann.* 58(6):843-849. Ref. Nov. 1965. 420 En82
Panorpa lugubris and *P. virginica*.
- 39775 MANIER, J. F., and MATHIEZ, F. The presence of polyhedric intranuclear bodies in the mesenteron of *Libellula depressa* L. larvae (Odonata, Anisoptera). (Fr) *Soc. Zool. France. Bull.* 89(5/6):809-812. 1964, pub. 1965. 410.9 P214B
- 39776 NOSEK, J., and AMBROZ, Z. Apterygota population and microbial activity in soils in the Lower Tatra. (Ge) *Pedobiologia* 4(3):222-240. Ref. 1964. 56.8 P343
- 39777 POINSOT, N. A new isotomid Collembola from Ile de Porquerolles, *Vertagopus abeloosi* n. sp. (Fr) *Soc. Zool. France. Bull.* 89(5/6):831-834. 1964, pub. 1965. 410.9 P214B
- 39778 ROSS, H. H. The evolutionary history of *Phyllocentropus* (Trichoptera: Psychomyiidae). *Kans. Entomol. Soc. J.* 38(4):398-400. Oct. 1965. 420 K13
Includes fossil spp.
- 39779 SANDS, W. A. Alate development and colony foundation in five species of *Trinervitermes* (Isoptera, Nasutitermitinae) in Nigeria, West Africa. *Insectes Sociaux* 12(2):117-130. June 1965. 421 In79
- 39780 SANDS, W. A. A new species of *Mimeuterms* Silvestri [*M. majusculus*] and the imago of *Nasutitermes diabolus* (Sjostedt) from Africa (Isoptera: Nasutitermitinae). *Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom.* 34(9/10):132-136. Oct. 22, 1965. 420 L84Pb
- 39781 SANDS, W. A. Termite distribution in man-modified habitats in West Africa, with special reference to species segregation in the genus *Trinervitermes* (Isoptera, Termitidae, Nasutitermitinae). *J. Anim. Ecol.* 34(3):557-571. Ref. Oct. 1965. 410 J826
In Nigeria.
- 39782 SCHALLER, F. Effect of increasing the photoperiod on the diapausing larvae of *Aeschna cyanea* Mull. (Insecta, Odonata) maintained at a low temperature. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(4):846-849. 1965. 442.9 P21
- 39783 SMIT, F. G. A. M. A new bat-flea from Ghana. *Rev. Zool. Bot. Afr.* 72(1/2):135-137. Sept. 30, 1965. 410 R326
Lagaropsylla taeniola.
- 39784 SMIT, F. G. A. M., and WRIGHT, L. M. Notes on the Wagner Collection of Siphonaptera in the Zoologisches Museum, Hamburg. *Zool. Mus. Inst. Mitt.* 62:1-54. Dec. 1964. 410.9 H172
Includes list of publications by J. N. Wagner.
- 39785 SMIT, F. G. A. M. Siphonaptera of New Zealand. *Roy. Soc. New Zeal. Trans. Zool.* 7(1), 50 p., map. Ref. Aug. 6, 1965. 514 W46Tz
Includes n. spp. in *Parapsyllus* and *Stivalius*.
- 39786 SMITH, S. D. Distributional and biological records of Idaho caddisflies (Trichoptera). *Entomol. News [Philadelphia]* 76(9):242-245. Nov. 1965. 421 En88
- 39787 STOCKDALE, H. J., and RAUN, E. S. Biology of the chicken body louse, *Menacanthus stramineus*. *Entomol. Soc. Amer. Ann.* 58(6):802-803. Nov. 1965. 420 En82
- 39788 UCHIDA, H. Collembola of the Ryukyus. *Kontyu* 33(1):85-96. Ref. Mar. 1965. 421 K833
New spp. in *Oudemansia*, *Isotoma*, *Sminthurus*, and *Ptenothrix*.

- 39789 WEIDNER, H. The entomological collection of the Zoologisches Staatsinstitut und Zoologisches Museum Hamburg. X. Insecta. VIII. Trichoptera. (Ge) Hamburg. Zool. Mus. Inst. Mitt. 62:55-100. Ref. Dec.1964. 410.9 H172
- 39790 WIGGINS, G. B. Additions and revisions to the genera of North American caddisflies of the family Brachycentridae with special reference to the larval stages (Trichoptera). Can. Entomol. 97(10):1089-1106. Ref. Oct.1965. 421 C16
Includes n. sp. in *Eobrachycentrus* n. g.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 39791 ANDERSON, E. D. Engineering planning for a rebirth of the countryside. *Agr. Eng.* 47(1):15, 32-33. Jan.1966. 58.8 Ag83
Opportunities for engineers in countryside development.
- 39792 CAMPOS, L. C. The need for modern roads in Brazil—milk and the rural roads. (Por) *Rev. Criadores* 36(422):22-23,55. Feb.1965. 43.8 R32
- 39793 DORING, W. Fire protection of temporary shelters for agricultural machinery. (Ge) *Deut. Agrartech.* 15(12):570. Dec.1965. 58.8 D482
- 39794 ELDRIDGE, W. H. Second supplement to the bibliography of property surveying literature. *Surv. Mapping* 25(4):582-592. Dec.1965. 325.8 Am3
- 39795 KANSAS, STATE DEPT. OF HEALTH, DIV. OF VITAL STATISTICS. Kansas agricultural accidental death report, 1964. n.p., 1964. 21 p.,map. 449.9 K13
- 39796 MOLDOVAN, P. Measures for the protection and security of labor in the field of mechanization. (Rum) *Mec. Elec. Agr.* 10(6):3-7. June 1965. 58.8 M4623
- 39797 MYERS, D. J. The design of farm tracks. *Dairyfarming Dig.* 12(2):19-24. Mar./Apr. 1965. 44.8 D1443
- 39798 MYERS, R. E. Why build a farm pond? *Conservationist* 19(5):4-6. Apr./May 1965. 279.8 N48
- 39799 NATIONAL SAFETY COUNCIL. Accident facts, 1965 edition. Chicago, 1965. 97 p.,map. 289.69 N21
Farm accidents included.
- 39800 PURDUE UNIVERSITY, ENGINEERING EXPERIMENT STATION. Engineering schools and departments: research activities 1963-1965. *Purdue Univ. Eng. Exp. Sta. Res. Ser.* 155,301 p. May 1965. 290.9 P97E
Agricultural engineering included.
- 39801 SENIOR YOUNG FARMERS OF VICTORIA. Farm accident survey, 1964. *J. Agr. [Melbourne]* 63(12):563-568. Dec.1965. 23 V66J
- 39802 SPRAVOCHNIK inzhenera po tekhnike bezopasnosti, proizvodstvennoi sanitarii, okhrane truda i pozharnoi okhrane sovkhoza i kolkhoza [Handbook for safety engineer in sanitation of production, labor protection and fire prevention on state and collective farms]. Moskva, Rossel'khozizdat, 1965. 288 p. S565.S6
- 39803 STEPHANSON, B. T. Farm safety—a challenge. *Agr. Inst. Rev.* 21(1):17-19,25. Ref. Jan./Feb. 1966. 7 Ag8
- 39807 BARAT, E., and TOVISSI, L. Analysis of the correlation between the costs and technical and economic characteristics of services of the machine tractor stations. (Rum) *Rev. Statist.* 14(5):3-14. Apr.1965. 267.8 St22
- 39808 BARATTE, M. On the utilization of new techniques for servicing equipment after sale. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(13):900-902. Oct.6/13,1965. 14 P215Bc
- 39809 BARDELLI, U. Torino projects its own mechanization in the world. (It) *Cronache Econ.* 275/276:60-62. Nov./Dec.1965. 280.8 C882
- 39810 BELLIA, F. Technical and economic effects of mechanization in the citrus zones of eastern Sicily. (It) *Tec. Agr.* 16(5/6):261-271. Sept./Dec.1964. 16 T22
- 39811 BIANU, I., and MARCHIDAN, N. Mechanization of the livestock raising. (Rum) *Probl. Econ. [Bucharest]* 18(5):73-86. May 1965. 280.8 P947
- 39812 BLASER, E. Mechanization of agriculture in the United States. *Nat. Res. Counc. Agr. Res. Inst. Proc.*, 14th Annu. Meeting:95-101. 1965. 4 N2122
Outlook.
- 39813 BOTOV, D. Improving rake type conveyors. (Rus) *Tekh. Sel'skom Khoz.* 1:29-31. Jan. 1966. 58.8 M11
For loading of fertilizers.
- 39814 BRASOVEANU, N. Methods of determining the economic effectiveness of various systems of mechanization of livestock raising. (Rum) *Rev. Statist.* 14(7):36-43. July 1965. 267.8 St22
- 39815 BUCHNER, A. Mechanization of the fertilizer chain. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(4):107-109. Jan.27,1966. 18 N39
Loading and handling.
- 39816 BUDZKO, I. A., and others. Electron-impulsive control of electrical changes. 21 p. *Transl.* 15753
U. N. Advianov, B. U. Smivnov, D. N. Bystritsky, S. B. Yuditsky, and A. A. Sakovich, joint authors.
In relation to automation.
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 2:45-48. 1964.
- 39817 CANADA, BUR. OF STATISTICS. Agricultural implement industry, 1963. Ottawa, 1966. 21 p. (Annual Census of Manufactures) 253 C335A
- 39818 CANADA, BUR. OF STATISTICS, MERCHANDISING AND SERV. DIV. Farm implement and equipment sales, 1964. 11 p. Ottawa, 1966. 58.9 C17
- 39819 CARRERI, L. A. Farm mechanization and prefabricated buildings in agriculture. (It) *In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori*, p.364-391. 1964. 281.9 C815
- 39820 CHIRIAC, S., TEACIUC, M., and IAROVSCI, N. Study of means to increase productive capacity of labor of machine tractor stations of the Banat area. (Rum) *Mec. Elec. Agr.* 7:7-18. July 1965. 58.8 M4623
- 39821 DZYUBA, V. I. Effect of vibrations on the coefficient of internal friction of the soil. 7 p. *Transl.* 15749
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 5:50-51. 1963.
- 39822 ENGEL, B., and LOSCH, R. Status and development of farm equipment marketing at the end of 1965. (Ge) *Landmasch.-Markt* 44(26):1620-1622,1624. Dec.22,1965. 58.8 L239
- 39823 FARKAS, T. Corrosion protection with petroleum products. (Hu) *Magyar Mezogazdasag* 20(51):10-11. Dec.22,1965. 19 M27
Of equipment.

FARM MACHINES AND EQUIPMENT

- 39804 ANTOSHKEVICH, V. Service period and depreciation of agricultural machinery. (Rus) *Voprosy Ekon.* 11:64-74. Nov.1965. 280.8 V89
- 39805 ARYAL, H. Mechanization: major factor in Aegean leaf area. *Tobacco [New York]* 162(4):58-60,63. Jan.28,1966. 286.89 T552
Turkey.
- 39806 AUSTRALIA, BUR. OF CENSUS AND STATISTICS, WESTERN AUSTRALIAN OFF. Machinery on rural holdings as of March 31, 1965. Perth, 1965. 12 p. 271.7 C333M

- 39824 GAALLEN, H. J. VAN. The year 1965 brought: Increased use of equipment in horticulture. (Du) Groenten Fruit 21(25):1131. Jan.5,1966. 80 G89
- 39825 GAUS, H. Equipment tests—their development and importance. (Ge) Landmasch.-Markt 44(26):1616,1618. Dec.22,1965. 58.8 L239
- 39826 GODER, W., and SCHUSTER, W. Advantages and use of multipurpose equipment for asparagus. (Ge) Deut. Agrartech. 15(12):560-562. Dec.1965. 58.8 D482
- 39827 GOUSKA, V. On the economic effectiveness of the technical development of farming. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:25-30. 1965. 20 M57
- 39828 GREEN, R. L. Problems of mechanization in developing nations. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:111-117. 1965. 4 N2122
- 39829 GUTESCU, L. Statistics of the technological progress in agriculture. (Rum) Rev. Statist. 14(6):30-41. June 1965. 267.8 St22
Chiefly mechanization, electrification and chemicals.
- 39830 GUUL-SIMONSEN, F. Do we pay enough attention to the noise problem? (Da) Landbonyt 19(8):295-299. Aug.1965. 11 L2322
Includes noise produced by agricultural equipment.
- 39831 GYORGY, R. On methods of accelerated tests of equipment. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6-20-23. 1965. 20 M57
Hungary.
- 39832 HALL, C. W. Mechanization and labor in newly developing countries—Latin America. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:119-128. Ref. 1965. 4 N2122
- 39833 HARVEY, N. Twenty-five years ago. Chartered Land Agents' Soc. J. 65(2):67-68. Feb. 1966. 282.9 L22
Farm mechanization in Great Britain.
- 39834 HENKE, R. Every machine is as good as its customer service. (Ge) Landmasch.-Markt 44(26):1605-1606,1608-1610,1612,1614-1615. Dec.22,1965. 58.8 L239
- 39835 HEYDE, H., and others. Landmaschinenlehre; Leitfaden für Studierende der Landwirtschaft. Band. 1 [Farm machinery teaching; manual for the student of agriculture. Vol. 1.]. Ed. 2. Berlin, VED Verlag Technik, 1965. 536 p. Ref. S675.H4
F. Baltin, M. Domsch, W. Gruner, E. Ramin, K. Riedel, and F. Ruhnke, joint authors.
- 39836 HOPKIN, J. A. Some unresolved problems of farm mechanizations. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:103-109. 1965. 4 N2122
Outlook.
- 39837 HUISMAN, L. H. Interior mechanization and automation. (Ge) Bauen Lande 17(1):16-17. Jan.1966. 296.8 Ar1
- 39838 JANIK, J., SZIJJARTO, O., and TOVIZI, I. Cleaning of machines and machine parts. (Hu) Magyar Mezogazdasag 20(50):10-11. Dec.15, 1965. 19 M27
- 39839 KNOOP, J. G. Packaged farming; a new concept provides contract machine work from planting to harvest. Farm Quart. 21(1):98-101. 1966. 6 F22995
- 39840 KRICHEVSKII, M. E. Application of polymer-type adhesives in repair of agricultural equipment. (Rus) Khim. Sel'skom Khoz. 1:63-65. Ref. Jan.1965. 385 K524
- 39841 LEHOCZKY, L. The role of mechanization in the technical development of agriculture. (Hu) Magyar Mezogazdasag 21(1):9-10. Jan.5,1966. 19 M27
- 39842 LEVITICUS, L. I. A conveyor for fruit transport on muddy soils. J. Agr. Eng. Res. 10(3):267-270. Sept.1965. 58.8 J82
- 39843 MA, C. T. The manufacture and maintenance of agricultural machinery in communist China. (Ch) China Mon. 1:16-28. Ref. Jan.1,1966. 280.8 T78
- 39844 MASRIERA, J. Recent progress. (Sp) Cult. Mod. 48(7):250-251. July 1965. 15 C89
Mechanization.
- 39845 MENEZES, D. G. DE. Mechanization of agriculture—a basic condition of supplying. (Por) Rev. Criadores 36(421):51-52,54. Jan.1965. 43.8 R32
Brazil.
- 39846 MEZEY, F. Studies for increasing the mechanization rate of landscape-gardening and maintenance works. (Hu) Kiserletugyi Kozlemenyek 58/C(1):203-217. 1965. 105.9 H89
English summary.
- 39847 MYAND, A. Mechanization on loose housing cattle farms. (Rus) Tekh. Sel'skom Khoz. 1:23-28. Jan.1966. 58.8 M11
- 39848 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH (INDIA). Demand for machine tools. New Delhi, 1965. 418 p. TJ1495.I4N3
Includes agricultural sector.
- 39849 NICOLAUS, A. Horticultural technique and automation. (Fl) Land- Tuinbouw Jaarboek 20:257-260. 1965. 13 L22
- 39850 OLF, M. The introduction of agricultural engineering in Surinam. I. (Du) Surinaamse Landbouw 13(4):46-50. (Cont.) 1965. 9.6 Su7
English summary.
History of mechanization.
- 39851 PARIS, A. Designing farmers. Farm, Jan./Feb.1966:21-23. 58.8 F2225
- 39852 PEDRINI, E. The "degree of mechanization" in the agricultural farm. (It) Macch. Motori Agr. 23(12):53-60. Dec.1965. 58.8 M13
- 39853 POPESCU, O., and CHETIE, C. Possibilities of reduction of costs of the machine tractor stations. (Rum) Probl. Econ. [Bucharest] 18(2):45-59. Feb.1965. 280.8 P947
- 39854 POPESCU, O., and GHETIE, G. Reserves for reducing cost price in machine and tractor stations. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:27-44. June 14,1965. (JPRS 30,605) 173 J663Ste
Equipment utilization and labor management. Translation from Probleme Economice 18(2):45-59. Feb.1965.
- 39855 PREININGER, M. Complex mechanization of the culture and harvesting of sugar beets. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:63-70. 1965. 20 M57
- 39856 PROKHOROVA, J. F. Effects of polymeric coatings on adherence of the soil to the vibrating working surfaces. 10 p. Transl. 15738
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:4-6. 1963.
- 39857 RICHARDSON, I. H. Advances in automatic proportioning of ingredients. (Condensed.) Agr. Eng. 47(2):76-77,79. Feb.1966. 58.8 Ag83
Materials handling by weight; includes application in feed and fertilizer industry.
- 39858 ROBERTS, A. W., and ARNOLD, P. C. Transverse vibrations of auger conveyors. J. Agr. Eng. Res. 10(3):241-247. Sept.1965. 58.8 J82
- 39859 SCHURZINGER, H. Mechanization of forage beet culture. (Ge) Landmasch.-Rundschau 18(1):7-10. Jan.1966. 58.8 L237
- 39860 SEIDLER, R. Cooperative use of agricultural equipment in Juterebog district. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):183-185. Apr.1965. 18 W763
- 39861 SHAMAEV, G. P., and FILITSIN, V. New equipment. (Rus) Sadovodstvo 1:18-19. Jan. 1966. 80 Sa13
In fruit culture.
- 39862 SOUTHWELL, P. H. Which horsepower do you mean? Can. Farm Equip. Dealer 62(2):19-20. Feb.1966. 58.8 C163

- 39863 TROFIMOV, V. I., and BELYANCHIKOV, N. N. Mekhanizatsiya trudoemkikh protsessov na zhivotnovodcheskikh fermakh [Mechanization of work on livestock farms]. Moskva, Rossel'-khozizdat, 1964. 304 p. S719.T7
- 39864 WEPFER, K. Innovations in the loading wagon. (Ge) Grune 94(1):11-21. Jan.7,1966. 17 Sch9 Forage.
- 39865 WIESER, F. Improvement of culture of chicory roots and realization of objectives necessary to this end in view of total mechanization of the crop. (Fr) Ann. Gembloux 71(2):177-186. Second Q.1965. 13 G28
Witloof in Austria.
- 39866 WILHELM, W. Engineering and labor standards in beet care. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtsch. 6(4):188-190. Apr. 1965. 18 W763
- 39867 ZALESSKY, M. G., and others. Study of unloading silage by the clam shell. 9 p. Transl. 15713
M. I. Tverskoi, N. I. Khatzinov, and A. Z. Stolbovoi, joint authors.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:34-36. 1962.
- Animal Husbandry Equipment
- 39868 ABO-ELNAGA, I. G., and KANDLER, O. Studies on the microflora of milking machines. (Ge) Milchwissenschaft 20(12):660-662. Dec.1965. 44.8 M5933
English summary.
- 39869 ALTANI, G. Mobile carts with screw conveyors for livestock feeding. (It) Suinicoltura 6 (3/4):39-42. Mar./Apr.1965. 46.8 Su3
- 39870 BRANDSMA, S. Problems of mechanical stripping. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(8):389-394. Aug.1965. 12 N383M
- 39871 BULDINI, F. Automatic installation for the administration of feed. (It) Suinicoltura 6(3/4):23-26. Mar./Apr.1965. 46.8 Su3
For swine.
- 39872 CATTABRIGA, D. Feeder for open air raising. (It) Suinicoltura 6(3/4):31-37. Mar./Apr.1965. 46.8 Su3
Specifications for a swine feeder.
- 39873 CLARKE, D. J., and LASCELLES, A. K. Factors affecting the rate of milk flow in pipeline milking machines. Australian J. Exp. Agr. Anim. Husb. 5(17):115-119. May 1965. 23 Au792
- 39874 COWHIG, M. J., and MULCAHY, M. J. Immersion cleaning of in-can milking equipment under Irish conditions. Irish J. Agr. Res. 4(2):143-150. Ref. Oct.1965. 10.5 Ir45
- 39875 DUQUET, H. Pasture milking. (Fl) Landtuinbouw Jaarboek 20:405-415. 1965. 13 L22
Equipment.
- 39876 HILDEBRANDT, H. H. Possibilities for self feeding of silage from trench silos. (Ge) Tierzuchter 18(1):15-16. Jan.5,1966. 49 T445
Cattle.
- 39877 KEGELES, E. S. Definition of the coefficient of friction at sliding of eggs along the work surfaces. 8 p. Transl. 15709
During collecting and packing.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 6:52-53. 1964.
- 39878 KRAMOROV, YU., and SEMENYAK, YU. A. Prospects of application of the high-frequency electromotors in animal husbandry. 9 p. Transl. 15745
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 3:46-48. 1961.
- 39879 MILANES SOTO, C. Inspection of dairy barns. (Sp) Indus. Lacteas 14(8):22-23,28. (Cont.) Sept.1965. 286.85 In83
Sanitation of utensils.
- 39880 PARKER, B. Electronic milking system. Farm Quart. 21(1):86-89,143-144. 1966. 6 F22995
Automated milking.
- 39881 SOPER, M. H. R. Handling feedingstuffs on the farm. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):23-26. Jan.1966. 10 G79J
- 39882 TOTH, L. Mechanical milking by quarter udders. (Hu) Magyar Mezogazdasag 20(50):17-18. Dec.15,1965. 19 M27
- 39883 VAGIN, P. I. Utilization of reflexes of animals in system of automatic control and regulation. 9 p. Transl. 15729
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 4:27-29. 1963.
- 39884 VAN NIEKERK, B. D. H., LABUSCAGNE, P. W., and ELLIS, S. P. J. A self-feeder for sheep. Farming S. Afr. 41(8):6-7,32-33,40. Nov.1965. 24 So842
- 39885 WAKEFIELD, H. R., and others. Automatic control of swine feeding. (Condensed.) Agr. Eng. 47(2):84-85. Feb.1966. 58.8 Ag83
M. M. Boyd, K. A. Thomson, and R. C. Fairbairn, joint authors.
- 39886 WHITTLESTONE, W. G. Improving the cleaning of farm vats. Town Milk 13(4):7,9-11. Nov.1965. 44.8 T66
Milking equipment.
- Cultivation and Tillage Equipment
- 39887 BAGANZ, K. Studies of model relations of soil cultivating equipment. I. (Ge) Deut. Agrartech. 15(12):555-558. Dec.1965. 58.8 D482
- 39888 CHEBOTAREV, V. Grape pruning equipment. (Rus) Tekh. Sel'skom Khoz. 12:65-66. Dec. 1965. 58.8 M11
- 39889 DOI, J., and YASUDA, Y. Dynamics of 3 points linkage hitching. VII. Vertical motion of a controlled plow. (Ja) Soc. Agr. Mach. Jap. J. 27 (3):155-161. Dec.1965. 58.9 So1
English summary.
- 39890 FISCHER, K. Modern follow-up equipment rationalizes seedbed preparation. (Ge) Landmasch.-Rundschau 18(1):12,14,16. Jan.1966. 58.8 L237
Includes harrows and rollers.
- 39891 IGAKI, C. Study on the plowing capacity of the 4 wheel tractor. VIII. On the efficiency of the two way plow. (Ja) Soc. Agr. Mach. Jap. J. 27 (3):168-171. Dec.1965. 58.9 So1
English summary.
- 39892 KENDZHAEV, S., and TURSUNOV, N. Equipment for interrow cultivation and harvesting of cotton. (Rus) Tekh. Sel'skom Khoz. 1:39-41. Jan.1966. 58.8 M11
- 39893 KERSTING, E. Über die Einmannarbeit der Schlepperlangshacke in Ruben [On one-man beet hoeing with the tractor]. Kuratorium Tech. Landwirt. Ber. Landtech. 91,103 p. Ref. 1965. 18 K96
English summary.
- 39894 KITANI, O. Fundamental studies on tillage machinery. IX. A study on vibrating tillage method. (Ja) Soc. Agr. Mach. Jap. J. 27(3):162-167. Ref. Dec.1965. 58.9 So1
English summary.
- 39895 LEBARON, F. Mechanical blockers: new tool for desert growers. West. Grower Shipper 36 (6):16. June 1965. 280.38 W52
Chiefly vegetable thinning.
- 39896 LEBARON, F. Mechanization in thinning. II. Amer. Veg. Grower 14(2):16-17. Feb.1966. 80 C733
- 39897 LIUBUSHKO, N. I. Elaboration of the colters for working on speeds of 9-15 km per hour. 16 p. Transl. 15761
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:18-22. 1964.

- 39898 LOEWEL, E. L., BOSCH, H., and FISCHER, A. Further experiences in the use of various pruning shears. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):153. Apr.1965. 85 J76
- 39899 MURATA, S., and SUGIMOTO, S. Studies on mechanization of field crop cultivation. 3. Some factors necessary for mechanical thinning of sugar beets. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:102-108. Dec.1965. 107.6 H68
English summary.
- 39900 O'CALLAGHAN, J. R., and MCULLEN, P. J. Cleavage of soil by inclined and wedge-shaped tines. J. Agr. Eng. Res. 10(3):248-254. Sept. 1965. 58.8 J82
- 39901 SCHOLZ, B. Soil cultivation and care in highly mechanized potato culture. (Ge) Landtechnik 21(1/2):19-22,24,27. Jan.15,1966. 58.8 L235
Various tillage equipment.
- 39902 SHIRKOV, A., and YANKIN, V. Improving tractor type snow plows. (Rus) Tekh. Sel'skom Khoz. 1:16-18. Jan.1966. 58.8 M11
Used as tillage equipment.
- 39903 SMITH, R. A. An easily constructed and efficient set of pasture harrows. Tasmanian J. Agr. 36(4):239-242. Nov.1965. 23 T182T
- 39904 STEINMETZ, H. The heavy tractor and tillage equipment. (Ge) Landmasch.-Rundschau 18(1):10-12. Jan.1966. 58.8 L237
Chiefly plow types.
- 39905 TEGETHOFF, W. New application possibilities for the rotary cultivators. (Ge) Lohnunternehmen Land- Forstwirtschaft. 20(12):268,270. Dec.15,1965. 58.8 D81
- 39906 UTERMARK, H. Cutting up branches from pruning. (Ge) Obstbauversuchsrings Alten Landes. Mitt. 20(5):200-202. May 1965. 85 J76
With tractor driven equipment in orchards.
- 39907 WARBOYS, I. B. New seeds in old pastures. Farm, Jan./Feb.1966:26-27. 58.8 F2225
Cultivators.
- 39908 ZSCHUPPE, H. New equipment for seed cultivation. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtschaft. 6(3):138-140. Mar.1965. 18 W763
Field crops.
- Fertilizing and Planting Equipment
- 39909 BUFTON, L. P. Transplanting; a look at the machines and the technique. Power Farming 36(2):60-61. Feb.1966. 58.8 P872
- 39910 BURTON, G. W. A planter for seeding rows in flats. Agron. J. 57(6):632-633. Nov./Dec.1965. 4 Am34P
- 39911 CANNON, M. D. Synthetic strip mulches. (Condensed) West. Farm Equip. 63(1):FMW14-FMW15. Jan.1966. 58.8 Im73
Includes equipment.
- 39912 CHARLES, C. Narrow-row equipment. Farm Quart. 21(1):74-75,125-127. 1966. 6 F22995
For field crops planting.
- 39913 HAASE, H. Planned fertilization saves time and cost. (Ge) Landmasch.-Markt 45(3):101-103. Feb.2,1966. 58.8 L239
Equipment.
- 39914 HARMOND, J. E. Precision vacuum-type planter head. U. S. Agr. Res. Serv. ARS-42-115,4 p. Oct.1965. A58.9 R31
Oregon Agricultural Experiment Station, cooperating.
Seed planter.
- 39915 KOMAROV, V. M. Effects of liquid fertilizers on deterioration of construction materials in agricultural equipment. (Rus) Khim. Sel'skom Khoz. 7:17-20. July 1965. 385 K524
- 39916 MORANDINI, E. Also confirmed this year the success of the method of grain planting in holes, the new planting technique carried out with an automatic machine. (It) Agricoltura 14(9):75-76. Sept.1965. 16 Ag8226
- 39917 OEHRING, J. Quality demands on construction characteristics of fertilizers spreaders. (Ge) Landmasch.-Markt 45(3):104-106. Feb.2,1966. 58.8 L239
- 39918 PASINI, B. Precision planting of beets with "monogerm" seeds. (It) Trattorista 11(23/24):567-574. Dec.15/31,1965. 58.8 T69
- 39919 PROPONIN, A. F. Distribution of mineral fertilizers in soil by soil overturning equipment. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:165-168. 1965. 20 M857
- 39920 PUSTOVOIT, E. Potato planters for vernalized tubers. (Rus) Kartoffel' Ovoshchi 1:13-14. Jan.1966. 75.8 K147
- 39921 SHCHERBAKOV, A. M., and LIBERMAN, K. E. Mineral fertilizers application equipment. (Rus) Khim. Sel'skom Khoz. 4(2):14-21. Feb. 1966. 385 K524
- 39922 ZIHLMANN, F. The vacuum tank in practical use. (Ge) Traktor Landmasch. 28(2):107-118. Feb.1,1966. 58.8 T678Ag
Manure spreader.
- Harvesting Equipment
- 39923 BREWER, H. L. Theoretical foundations for an engineering measurement of ease of detachment of individual fruits from a tree at harvest time. J. Agr. Eng. Res. 10(3):235-240. Sept. 1965. 58.8 J82
In relation to harvesting equipment design.
- 39924 BUHLER, H. W. Conserving the combine after the season. (Ge) Traktor Landmasch. 28(2):86-87. Feb.1,1966. 58.8 T678Ag
- 39925 CATTABRIGA, D. Harvesting equipment for olive. (It) Macch. Motori Agr. 23(12):67-69. Dec.1965. 58.8 M13
- 39926 CROSBY, E. A. 1965 California harvester successes pinpoint varietal, bulk handling problems. Canner/Packer 135(1):79. Jan.1966. 286.83 C16
Tomatoes.
- 39927 EVERS, P. N. Mechanization of sugar beet harvest in the German Federal Republic and neighboring countries. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:111-131. 1964. 27 H652
- 39928 FRANCE. CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Experimentations sur la recolte et la conservation de colza et de tournesol [Experiments in the harvesting and storage of rape and sunflower]. France. Cent. Nat. Etudes Exp. Mach. Agr. Etude 288,29 p. Oct.1965. 58.9 F842
English summary.
Centre Technique Interprofessionnel des Oleagineux Metropolitains and Institut National de la Recherche Agronomique, cooperating.
Mechanical harvesting of seeds.
- 39929 GRANDALL, P. C., and others. A red raspberry harvester. Wash. Agr. Exp. Sta. Sta. Circ. 457,21 p. Dec.1965. 100 W27S
J. E. George, J. Roberts, J. D. Chamberlain, and G. D. Wolf, joint authors.
- 39930 HAYASHI, N. Studies on scythes. I. The importance of scythes in hay harvesting. (Ja) Soc. Agr. Mach. Jap. J. 27(3):188-193. Dec.1965. 58.9 Sol
English summary.
- 39931 HORIUCHI, K. An economic analysis of combine use in the Tokachi upland district in Hokkaido. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:109-117. Ref. Dec.1965. 107.6 H68
English summary.
- 39932 KETTNER, H., and HIRSCH, R. A contribution to the problem of mechanization of the fruit harvest through research with the Wacker fruit harvesting apparatus. (Ge) Weihenstephan. Staatl. Lehr- Forschungsanst. Gartenbau. Jahresber. 1964/65:101-113. Ref. 1965. 105.8 W425

- 39933 KRASHENINNIKOV, S. N. Examination of separation of potato tubers from the lumps of soil and stones by an air current. 7 p. Transl. 15744
Harvesting combines.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 6:38-40. 1962.
- 39934 LARSEN, W. E. Using the conveyors. West. Grower Shipper 36(6):13. June 1965. 280.38 W52
For cantaloupe harvesting.
- 39935 LOOW, H. Basket material and throw length in potato picking. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:68-70. 75.8 Sv2
With reference to mechanical injuries to potatoes.
- 39936 MAINZ, H., and WINZLER, M. Influence of trailer bodies on losses, utilization and unloading in harvesting maize for silage. (Ge) Deut. Agrartech. 15(12):562-564. Dec.1965. 58.8 D482
- 39937 MARGHIDAN, N., and BIANU, I. Economic effectiveness of harvesting and drying equipment of alfalfa. (Rum) Rev. Gosp. Agr. Stat 17(5):7-10. May 1965. 21 R32
- 39938 MARINESCU, M., and CIMPEANU, I. Tests of machine tractor stations of the autonomous Hungarian region of Mures with harvesting and threshing equipment for clover. (Rum) Mec. Elec. Agr. 10(6):39-42. June 1965. 58.8 M4623
- 39939 MCFARLAND, T. D. Eight steps to combine safety. Farm Safety Rev. 23(3):3-6. May/June 1965. 449.8 F22
- 39940 MODERN machinery guide; combine harvesters. Power Farming 36(2):10-11,13,15. Feb. 1966. 58.8 P872
- 39941 PLOEG, J. VAN DER. Invloed van het maai-dorsen op akkerbouwbedrijven in Groningen; verslag van een tiental studiebedrijven [Influence of combine harvesting on farms in Groningen; report on ten study farms]. Wageningen. Proefsta. Akker- Weidebouw. Meded. 115,47 p. Nov.1965. 64.9 W122
- 39942 REITMEIER, W. Once again: fuel consumption and performance of combines. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(1):8. Jan.15, 1966. 58.8 D81
- 39943 ROWLAND, G. W. Asparagus harvest mechanization. Employment Serv. Rev. 3(1):16. Jan.1966. 158.3 Em72
- 39944 SCHMID, W. Use of motorized mowers and single-shaft tractors. (Ge) Grune 94(5):137-147. Feb.4,1966. 17 Sch9
Switzerland; includes costs.
- 39945 SPECHT, A. Potato harvesting with reduced damages. (Ge) Landtechnik 21(1/2):28-33. Jan.15,1966. 58.8 L235
Mechanical.
- 39946 SUGIMOTO, S., and others. Studies on mechanization of field crop cultivation. 1. Harvesting of wheat and oats by combine. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:87-95. Dec. 1965. 107.6 H68
S. Suzuki, T. Nomoto, T. Abe, and Y. Sasaki, joint authors.
English summary.
- 39947 UNK, J. Actual situation of the large-scale bean-harvesting and its achievements in Hungary. (Hu) Kiserletugyi Kozlemenyei 57/A(3):81-102. Ref. 1964,pub.1965. 105.9 H89
English summary.
Mechanization.
- 39948 VOGELAAR, B. F. Developing a hydrostatic drive for self-propelled combines. (Condensed.) Agr. Eng. 47(2):70-72. Feb.1966. 58.8 Ag83
- 39949 VOIT, I. Effectiveness of different methods of corn harvesting. (Rus) Mezhdunar. Sel'sk Khoz. Zh. 6:70-76. 1965. 20 M57
Equipment in Hungary.

- 39950 WINKLER, F. Constructive thoughts on the wind cleaning equipment of combine harvesters. (Ge) Deut. Agrartech. 15(12):559-560. Dec. 1965. 58.8 D482

Land Clearing Equipment

- 39951 DRAKE, F. R. Mechanised land clearing. J. Agr. [Melbourne] 63(11):509-513. Nov.1965. 23 V66J
- 39952 VORONTSOV-VEL'YAMINOV, N. P., PULMANOV, N. V., and RYAKHIN, V. A. Mashinist ekskavatorov dlya sel'skogo khozyaistva [Operator of agricultural excavating machinery]. Moskva, Vysshaya Shkola, 1965. 400 p. TA735.V6

Processing Equipment Used on the Farm

- 39953 ARNOLD, R. E., and LAKE, J. R. Direct, indirect and double threshing in herbage seed production. I. S.48 Timothy. J. Agr. Eng. Res. 10(3):204-211. Ref. Sept.1965. 58.8 J82
Includes equipment.
- 39954 BAILEY, P. H., and WILLIAMSON, W. F. Some experiments on drying grain by solar radiation. J. Agr. Eng. Res. 10(3):191-196. Sept.1965. 58.8 J82
- 39955 BOYCE, D. S., and DAVIES, J. K. Air distribution from a lateral duct with different escape areas in barley. J. Agr. Eng. Res. 10(3):230-234. Sept.1965. 58.8 J82
In relation to drying.
- 39956 DENCKER, C. H. Trocknung und Lagerung von Mahdruschgetreide im bauerlichen Betrieb [Drying and storage of combine-grain in the farm]. Kuratorium Tech. Landwirt. Flugschr. 14,88 p. 1965. 58.9 K96F
Equipment and structure.
- 39957 DETRE, I. Recent experiences with forage drying in Hungary. (Ge) Deut. Agrartech. 15(12):539-541. Dec.1965. 58.8 D482
- 39958 A "FARM Mechanization" survey of roller and hammer mills. Farm Mech. 18(197):16-21. Jan.1966. 58.8 B772
- 39959 FODOR, Z. Rapid drying of agricultural products in Hungary. (Ge) Deut. Agrartech. 15(12):541-543. Dec.1965. 58.8 D482
Equipment.
- 39960 FORNACON, G., and HOFFER, H. G. Economic importance and incorporation of agricultural drying. (Ge) (Condensed.) Deut. Agrartech. 15(12):537-539. Dec.1965. 58.8 D482
- 39961 GEOFFREY, J. Hay that handles like grain. Farm Quart. 21(1):82-83,136,138-139. 1966. 6 F22995
Processing equipment used for feed production.
- 39962 KASDORFF, K. Large rack drying for obtaining good alfalfa hay. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtschaft. 6(5):210-215. May 1965. 18 W763
- 39963 KASHAYAP, M. M., and PANDYA, A. C. A study of winnowing indices. J. Agr. Eng. Res. 10(3):255-258. Sept.1965. 58.8 J82
- 39964 KERSCH, H. Incorporation of agricultural drying in the power supply. (Ge) Deut. Agrartech. 15(12):547-548. Dec.1965. 58.8 D482
- 39965 KERSCH, H. Studies on power consumption of single-and multipurpose dryers. (Ge) Deut. Agrartech. 15(12):548-551. Dec.1965. 58.8 D482
- 39966 KOZAK, A. More economical production of lucerne pulp. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(1):20-23. Jan.1966. 58.8 J29
English summary on p.4 of content.
Equipment.
- 39967 LANGE, E. Some problems of grass drying in the Havelberg district. (Ge) Deut. Agrartech. 15(12):543-544. Dec.1965. 58.8 D482

- 39968 NELLIST, M. E., REES, D. V. H., and HIGGS, D. M. J. The drying of Timothy seed. 1. Effect on quality. *Brit. Grassland Soc. J.* 20(4):273-282. Ref. Dec.1965. 60.19 B773
- 39969 NIELEBOCK, W. Improving the organization of green forage drying in catchment areas. (Ge) *Deut. Agrartech.* 15(12):545-547. Dec.1965. 58.8 D482
- 39970 RYKOV, V. N. Determination of the dynamic equilibrated moisture. 6 p. Transl. 15724
During drying of seeds.
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 5:51-52. 1964.
- 39971 SCHÖEFF, R. W. Are you planning a new mill? *Feedlot* 8(2):14-16. Feb.1966. 43.8 F32
In connection with cattle feedlot.
- 39972 SRAPENYANTZ, R. A., and SAID-KHODZHAIEV, S. A. Radio-isotopic method of separating potato tubers from clumps of soil and stones. 15 p. Transl. 15732
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 6:40-43. 1962.
- 39973 THAKUR, S. D., and BAGCHI, B. Farm bulk cooling. *Indian Dairyman* 17(12):385-386. Dec. 1965. 44.8 In282
- 39974 VAMOSI, J. Drying and storage of corn in Austria. (Hu) *Magyar Mezogazdasag* 20(50):7-8. Dec.15,1965. 19 M27
Includes equipment.
- 39975 WAES, G. Filtering of milk on the farm with the aid of a vacuum sieve. (Fl) *Land- Tuinbouw Jaarboek* 20:81-86. 1965. 13 L22
- 39976 ZIMMERMAN, M. New approaches to crop drying. *World Farming* 8(3):12-13. Mar.1966. 30.08 W89
Of grain.

Repair, Maintenance, and Construction Equipment

- 39977 ANDERSSON, S., ROBERTSSON, L., and SJOGREN, E. Practical experiences. (Sw) *Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan* 1964:145-155. 11 Sw34
With reference to liquid manure handling in dairy barns.
- 39978 ANTHONY, F., KIMMEL, O. A., and BRISTOL, B. K. The on-farm service center in mechanized farming. *Penn. Agr. Exp. Sta. Bull.* 728, 27 p. Dec.1965. 100 P381
For maintenance of machinery and buildings and for storage of equipment.
- 39979 DANNEMAN, H., and FISCHER, H. The solid and liquid manure management in cattle establishments of large farms. (Ge) *Hyg. auf dem Lande* 8:131-153. 1964. 449.8 H99
- 39980 DEWES, T. D. Machinery accommodation-2. *Farmbuildings* 8:31-33. Autumn 1965. 296.8 F224
- 39981 EISOLD, K. Each district enterprise must be a recognized welding shop. (Ge) *Deut. Agrartech.* 15(12):571-572. Dec.1965. 58.8 D482
- 39982 MELYKUTI, CS. More attention to be given to machinery storage. (Hu) *Magyar Mezogazdasag* 21(1):10-11. Jan.5,1966. 19 M27
- 39983 RADECKE, E. Facilities for the mechanic of agricultural cooperative when sheltering farm machinery. (Ge) *Deut. Agrartech.* 15(12):575-576. Dec.1965. 58.8 D482
- 39984 SCHAEFER, W. Development of automatic welding equipment. III. (Ge) *Deut. Agrartech.* 15(12):572-575. Dec.1965. 58.8 D482
- 39985 SHARON, J. Swine manure disposal costs. *Doane's Agr. Rep.* 28(35):8-10. Dec.8,1965. 281.8 D652
- 39986 TAYLOR, R. Ways with welding. *Power Farming* 36(2):79. Feb.1966. 58.8 P872
- 39987 TILLEY, M. F. Handling manure from cubicles. *Farmbuildings* 8:27-29. Autumn 1965. 296.8 F224
Cattle housing sanitation.

Spraying and Dusting Equipment

- 39988 BALASTIK, F. Protection of grapes in wide rows. (Cz) *Vinohrad* 3(5):70. 1965. 390.8 V772
Spraying equipment.
- 39989 FARKAS, L. Plant protection equipment for large-scale grape production. (Hu) *Magyar Mezogazdasag* 21(2):14-15. Jan.12,1966. 19 M27
Sprayers, chiefly.
- 39990 GOJKOVIC, G. Improvement of the equipment for the automatic spraying of young poplars. (Se) *Topola* 9(50/51):25-27. Apr./June 1965. 99.8 T62
French summary.
- 39991 GOTCHER, J. W. Flame cultivation—why? when? where? how? *West. Farm Equip.* 63 (1):FMW11-FMW13. Jan.1966. 58.8 Im73
- 39992 TAKENAGA, T. The study of granular chemical applicator. I. (Ja) *Soc. Agr. Mach. Jap. J.* 27(3):178-184. Dec.1965. 58.9 So1
English summary.
- 39993 THOMSON, R. A tractor mounted chloropicrin applicator. *New Zeal. Tobacco Growers' J.*, July 1965:5-6. 69.8 N48
- 39994 TUM, E. Repair and technical check service. (Rus) *Mezhdunar. Sel'skokhoz. Zh.* 6:77-81. 1965. 20 M57
Tractors in East Germany.
- 39995 VAL'YANOV, D. G., and YURKEVICH, I. V. Mechanical spraying of tomatoes on open field with growth stimulator Two, 4,5-T. (Rus) *Khim. Sel'skom Khoz.* 6:72-73. June 1965. 385 K524
- 39996 VELETSKY, I. Use of electric tensiometry in tests of plant protection machinery. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 11:127-129. Nov.1965. 20 V633
- 39997 YAGUPOV, M. Flame cultivator. (Rus) *Tekh. Sel'skom Khoz.* 12:63-65. Dec.1965. 58.8 M11
For control of corn weeds.

Vehicles

- 39998 BARABANOV, V. Winter charging of starting storage batteries. (Rus) *Tekh. Sel'skom Khoz.* 1:55-57. Jan.1966. 58.8 M11
On tractors.
- 39999 CATTABRIGA, D. Secondary tractors for the farm. (It) *Trattorista* 11(23/24):575-577. Dec.15/31,1965. 58.8 T69
Includes garden tractors.
- 40000 EMERY, R. L. Routine care of the crawler. *Power Farming* 36(2):77. Feb.1966. 58.8 P872
- 40001 ERMAKOV, I. Maintenance of tires. (Rus) *Tekh. Sel'skom Khoz.* 1:84-88. Jan.1966. 58.8 M11
- 40002 FELDMANN, F. Graduated tractor drive with easy shifting. (Ge) *Lohnunternehmen Land-Forstwirtschaft.* 21(1):4,6-8. (Cont.) Jan.15,1966. 58.8 D81
- 40003 FISCHER, K. Controlling the clutch. (Ge) *Traktor Landmasch.* 28(2):79-82. Feb.1,1966. 58.8 T678Ag
On tractors.
- 40004 FURUGA, S. On the relationship between soil moisture and the weight of soil clinging to tractors. (Ja) *Soc. Agr. Mach. Jap. J.* 27(3):194. Dec.1965. 58.9 So1
- 40005 GOLOVINOV, S. A., and SKLYARENKO, V. M. Mechanical calculation of works performed by tractors. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 1:26-28. Jan.1966. 30.69 Uc4
- 40006 HANSEN, K. The new tractor types. (Da) *Landbonyt* 19(6):213-219. June 1965. 11 L2322
- 40007 KARMANTSOV, B. Accelerated starting of the tractor engines. (Rus) *Tekh. Sel'skom Khoz.* 1:50-54. Jan.1966. 58.8 M11

- 40008 KASTEN, A., WEBER, W., and SCHMUNTZSCH, S. Use of linear optimization in the planning of tractors required by agricultural enterprises. (Ge) Deut. Agrartech. 15(12):552-554. Dec. 1965. 58.8 D482
- 40009 KONRAD, J. Grundausbildung Landtechnik: Traktorenkunde [Basic education in agricultural engineering; information on tractors]. Berlin, Deutscher Landwirtschaftsverlag, 1965. 198 p. (Lehrbucher für die sozialistische Berufsausbildung. Landwirtschaft) S711.K6
- 40010 LE PECHON, G. Rubber and material for transportation equipment in the agricultural enterprise. (Fr) Avenir Agr. 5:48-50. Sept./Oct. 1965. 14 Av32
Chiefly tires and their designs used for tractors.
- 40011 LONG, M. E. Cures for tractor power loss. World Farming 7(7):26. July 1965. 30.08 W89
- 40012 LONG, M. E. How to maintain tractor tires. World Farming 8(2):32-33. Feb. 1966. 30.08 W89
- 40013 LONG, M. E. Tractor hitches. West. Farm Equip. 63(1):FMW5-FMW8. Jan. 1966. 58.8 Im73
- 40014 MATSUNAGA, T., and NAGATA, K. Problems in the cooperative utilization of large size tractors on paddy fields in part-time farming regions. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:99-112, map. Dec. 1964. 107.6 H572Ho
- 40015 MILLER, E. C. Power problem of industrial vehicles. (It) Macch. Motori Agr. 23(12):61-66. Dec. 1965. 58.8 M13
Includes tractors.
- 40016 NJOS, A. A. Tractors—tractive effort—locomotion. (No) Norsk Landbruk 14/15:12-13, 24. July 16, 1965. 11 N8122
- 40017 PREUSCHEN, G. Hydraulics with tractor and equipment. (Ge) Mitt. Deut. Landwirt.-Ges. 80(49):1873-1874, 1881-1882. Dec. 9, 1965. 18 N39
Chiefly for tractors.
- 40018 RIFAI, M. Beitrag zur technischen Prüfung von landwirtschaftlichen Einachsanhängern [Contribution to the technical testing of agricultural single axle trailer]. Kuratorium Tech. Landwirt. Ber. Landtech. 93, 201 p. Ref. 1965. 18 K96
English summary.
- 40019 RUEB, H. P. Agricultural vehicle construction—and safety! (Ge) Grune 93(51):1830-1834. Dec. 17, 1965. 17 Sch9
- 40020 SATEK, J. Testing of tractors on slopes in Czechoslovakia. (Ge) Deut. Agrartech. 15(12):558. Dec. 1965. 58.8 D482
- 40021 SAXON, E. A., and HINKLEY, F. R. Tractors on Australian farms. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 18(4):181-197. Oct. 1965. 281.9 Au73
Statistics.
- 40022 SCHWEIZERISCHEN TRAKTORVERBAND. Report of activities from July 1, 1964 to June 30, 1965. (Ge) Traktor Landmasch. 28(1):38-48. Jan. 1966. 58.8 T678Ag
- 40023 SCOTTON, M., and BALEANI, I. Development of the farm tractor industry in the 1954-1964 decade. (It) Macch. Motori Agr. 23(12):49-52. Dec. 1965. 58.8 M13
- 40024 SOROKIN, D. Maintenance of burners on tractor engine. (Rus) Tekh. Sel'skom Khoz. 1:44-50. Jan. 1966. 58.8 M11
- 40025 TAKEUCHI, R. Studies on the structural strength of small type tractor. III. Some analysis for system of kinetic force of tractor body. (Ja) Soc. Agr. Mach. Jap. J. 27(3):146-149. Dec. 1965. 58.9 So1
English summary.
- 40026 TANAKA, T. Prediction of the trafficability of the tractor on the soft paddy field. III. Measuring device of the soil parameters, Tn-4. (Ja) Soc. Agr. Mach. Jap. J. 27(3):150-154. Dec. 1965. 58.9 So1
English summary.
- 40027 TERPSTRA, J., LEEUWERKE, H. B., and MAANEN, J. VAN. Technische gegevens wieltrekkers [Technical data on wheel tractors]. Ed. 5, rev. Wageningen. Inst. Landbouwtch. Ration. Publ. 92, 79, p. Jan. 1966. 58.9 W12
- 40028 TERRY, R. Proper maintenance keeps tractors rolling. Can. Farm Equip. Dealer 62(2):30-31. Feb. 1966. 58.8 C163
- 40029 THORSON, A., and SEGERSTEN, G. The tractor in traffic. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:64-70. 11 Sw34
- 40030 WEBER, H. Technological and economic problems in the use of implement carriers in the field economy of kolkhozes of the forest steppe zone of the Ukrainian S S R. (Ge) Z. Agrarikon. 8(7):214-217. 1965. 281.8 Z3
Includes planning of the machine-tractor park.

FARM STRUCTURES AND RURAL HOUSING

- 40031 BASEDOW, L. Bauten der Landtechnik: Werkstätten, Pflegestationen, Waschplätze, Tankstellen, Garagen, Landmaschinenhallen [Buildings of agricultural engineering; shops, maintenance stations, washing places, tank stations, garages, farm machine sheds]. Berlin, Verlag für Bauwesen, 1965. 175 p. Ref. S581.B3
- 40032 BASEDOW, L. Buildings for an outlying department of VEB Meliorationsbau. (Ge) Deut. Agrartech. 15(12):565-568. Dec. 1965. 58.8 D482
- 40033 BATES, D. W. Practical pointers for good insulation. Hoard's Dairyman 111(3):137. Feb. 10, 1966. 44.8 H65
In farm buildings.
- 40034 BEEDELL, S. Farmhouse floors. Farmbuildings 8:55, 57-59. Autumn 1965. 296.8 F224
Includes construction and choice of materials.
- 40035 DOBSON, C. Maintenance of farm buildings. Chartered Land Agents' Soc. J. 65(2):63-66. Feb. 1966. 282.9 L22
- 40036 GOODMAN, D. A. S. Corrosion of metals. Farmbuildings 8:44, 47, 49. Autumn 1965. 296.8 F224
Care for farm buildings.
- 40037 KETTNER, H., HIRSCH, R., and MUHLHANS, W. Richtige Anwendung und zweckmassige bauliche Gestaltung von Schattenhallen in Baumschulen [Proper use and suitable construction of shading sheds in nurseries]. Kuratorium Tech. Landwirt. Ber. Landtech. 92, 60 p. Ref. 1965. 18 K96
English summary.
- 40038 RIEMANN, U. Technique and building in England. (Ge) Bauen Lande 17(1):4-9. Jan. 1966. 296.8 Ar1
- 40039 RYYNANEN, V. The volume and value of agricultural buildings and the utilisation of the capacity of the buildings in certain communes of North Karelia in 1960. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(1):13-50. Ref. 1965. 20 Su7M
Summary and table headings also in English.
- 40040 SCOTT, J. T. The demand for investment in farm buildings. Diss. Abs. 26(6):3084. Dec. 1965. 241.8 M58
Econometric research.
- 40041 VEILLON, A. Enquiry on rural constructions in Switzerland. (Fr) Agr. Romande (ser. B) 4(5):33-40. May 1965. 17 Ag8

- 40042 WINSHIP, F. J. W. Studying investment in buildings. *Farmbuildings* 8:51-53. Autumn 1965. 296.8 F224

Animal Shelters and Animal Service Buildings

- 40043 ALBUS, K. Barn construction from prefabricated parts. (Ge) *Bauen Lande* 17(1):1-4. Jan. 1966. 296.8 Ar1
- 40044 BEREK, G. Winter rearing of piglets. (Hu) *Magyar Mezogazdasag* 20(50):16-17. Dec.15, 1965. 19 M27
Chiefly heating of farrowing houses.
- 40045 BRIGATA, D. The automated circular pig house. (It) *Suinicoltura* 6(6/7):55-59. June/July 1965. 46.8 Su3
- 40046 BULDINI, F. Materials for poultry houses. (It) *Avicoltura* 34(12):87-95. Dec.1965. 47.8 R523
French summary, p.73.
- 40047 COMPEL, J. Comparison of the suitability of building passable through or impassable cattle sheds. (Cz) *Czech. Min. Zemdel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Ekon.* 38(7):397-408. July 1965. 281.9 C332
English summary.
Costs.
- 40048 CROFTER, J., and SANDERSON, P. Calf housing survey report. *Farmbuildings* 10:36-37,39, 45. Mar./Apr.1966. 296.8 F224
- 40049 DAVIS, D. Package poultry houses. *Poultry Trib.* 72(1):26,28. Jan.1966. 47.8 P8642
- 40050 DEDDEN, R., ROEBERSEN, R., and SCHOOT, G. A. Onderzoek betreffende staltemperaturen in stallen voor mestvarkens [Research on temperatures in stalls for fattening swine]. *Neth. Rijkslandbouwvoorlichtingsdienst West-Overijssel Zwolle. [Gestencilde Verslagen Mededel.]* 40,10 p. Nov.1965. 12 N3825G
- 40051 DIAZ MORATILLA, F. Laying houses without windows. (Sp) *Avicult. Tec.* 16(1):35-36,39-40. Jan.1965. 47.8 Av57
- 40052 DIETRICH, J. Today's performing cows require modern stabling installations. (Ge) *Unser Milchvieh* 18(1):1-2. Jan.1966. 43.8 Un7
Includes manure removal equipment.
- 40053 GAMSHOG, O. Building technical views in connection with handling of liquid manure. (Sw) *Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan* 1964:128-132. 11 Sw34
- 40054 GREAT BRITAIN. AGRICULTURAL RESEARCH COUNCIL. A bibliography of farm buildings research. IV. Buildings for cattle, 2nd supplement, 1962-1964. London, 1966. 99 p. 241.4 G795
- 40055 HAARTSEN, P. I. Insulation and ventilation of stalls for fattening swine. (Du) *Neth. Dir. Landouw. Landbouwvoorlichting* 22(8):382-388. Aug.1965. 12 N383M
- 40056 LECLAIR, J. The modern intensive sheepfold, true "sheep revolution." (Fr) *Rev. Agr.* France 38:7-11. Mar.1965. 14 R326
Design.
- 40057 LLOYD, R. Fuel costs cut in half by insulation on shore. *Broiler Indus.* 29(1):39,41,44. Jan. 1966. 47.8 N45
- 40058 LOOCKE, E. VAN. Lying box loafing barn for cattle farms. (Fl) *Land- Tuinbouw Jaarboek* 20:385-392. 1965. 13 L22
- 40059 MARIN, P. The Behlen automatic swine barn. (Fr) *Rev. Agr. France* 38:23-25. Mar.1965. 14 R326
- 40060 MULLER, F. Economy of different heating systems for agricultural uses. (Ge) *Deut. Agrar-tech.* 15(12):563-569. Dec.1965. 58.8 D482
Studied on poultry houses.
- 40061 NICHOLSON, J. L. Low light intensity boosts weight; progress report. *Broiler Indus.* 29(1): 54,56. Jan.1966. 47.8 N45

- 40062 PETIT, K. L., and DEBRUYCKERE, M. Contribution to the study of the climatisation in poultry houses; analysis of the different factors influencing the desiccation of litter. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(1):1-45. 1965. 105.1 G344
English summary.
Ventilation and humidity.
- 40063 PETIT, K. L., and CURE, O. Differential temperature regulation for poultry houses. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(2):543-560. 1965. 105.1 G344
- 40064 PETIT, K. L., and NICOLAUS, A. The microclimate in animal housing. 1-2. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(2):605-649. Ref. 1965. 105.1 G344
English summary.
Temperature.
- 40065 PHILLIPS, R. E. Connecticut panel laying house. *Poultry Trib.* 72(1):56,58. Jan.1966. 47.8 P8642
- 40066 PRICE, D. R. Milking parlor comfort. *N. Y. Farm Elec. Counc. Progr. Rep.* 1964:25-31. 1965. 335.9 N485
Heating.
- 40067 RULLMANN, The baby pig producing farm—a new type of farm. (Ge) *Bauen Lande* 17(1):18-20. Jan.1966. 296.8 Ar1
Buildings
- 40068 TETER, N. C. Modified environment house for the south. *Broiler Indus.* 29(1):74-76. Jan. 1966. 47.8 N45
- 40069 THOMPSON, W. A. Calf housing—a West-Midland survey. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(1):37-40. Jan.1966. 10 G79J
- 40070 VOGT, F. Piggery design & cost analysed-2. *Farmbuildings* 8:34-37,39,41,43. Autumn 1965. 296.8 F224
- 40071 WARREN, R. Five decades of poultry housing. *Everybodys Poultry Mag.* 70(10):12-13,50. Oct. 1965. 47.8 F213P
- 40072 WESTENDORP, T. New stall types for dairy cattle. (Du) *Neth. Dir. Landbouw. Landbouw-voorlichting* 22(8):376-381. Aug.1965. 12 N383M
- 40073 WHELDEN, H. C. The Main(e) idea for controlled environment. *Broiler Indus.* 29(1):46, 48-50. Jan.1966. 47.8 N45

Farmhouses and Farmsteads

- 40074 ALSHUTH, K. The modern kitchen for the farm household. (Ge) *Landmasch.-Markt* 45(2):61-63. Jan.19,1966. 58.8 L239
- 40075 BRUUN, J. H., and others. Thermal insulation for building construction. *U. S. Agr. Res. Serv. ARS-20-13,40 p.* Ref. Aug.1965. A31.3 R31Ar
H. C. Speel, F. A. Joy, and J. R. Matchett, joint authors.
- 40076 LENHART, M. W. California faces up to family housing urgency. *Employment Serv. Rev.* 3 (1):28-30. Jan.1966. 158.3 Em72
For migratory labor.
- 40077 OGLESBY, D. So you're going to buy an air conditioner. *Ga. Univ. Ext. Circ.* 547,8 p.-folder. June 1965. 275.29 G29C

Greenhouses and Plant Service Buildings

- 40078 CURTH, P. An environmentally controlled glasshouse in the service of sugar beet breeding. (Ge) *Z. Landwirt. Versuchs- Untersuch-wesen* 10(6):557-563. Ref. 1964. 18 Z32
English summary.
- 40079 EDWARDS, R. I., and LAKE, J. V. The transmission of solar radiation in a small east-west glasshouse glazed with diffusing glass. *J. Agr. Eng. Res.* 10(3):197-201. Sept.1965. 58.8 J82

- 40080 GEYSEN, F. Implantation and planning of glass horticultural holdings. (Fl) Land- Tuinbouw Jaarboek 20:287-322. 1965. 13 L22
- 40081 GORSKII, G., and GILKMAN, M. Basic goals in designing and constructing cultivation buildings. (Rus) Kartoffel' Ovoshchi 12:28-30. Dec.1965. 75.8 K147
Plastic greenhouses.
- 40082 HALDEN, W. The use of tower greenhouses in industrial districts. (Ge) Bodenkultur 16(1/2): 6-8. Feb./May 1965. 19 B635
English summary.
- 40083 MUIJZENBERG, E. W. B. VAN DEN. Some problems of the tower greenhouse. (Ge) Bodenkultur 16(1/2):1-5. Feb./May 1965. 19 B635
English summary.
- 40084 NISEN, A. Natural light in greenhouses. (Fl) Land- Tuinbouw Jaarboek 20:213-220. 1965. 13 L22
- 40085 SPOELSTRA, P. A. How do we limit soot obstruction and dirty glass when heating with crude oil? (Du) Groenten Fruit 21(25):1132-1133. Jan.5,1966. 80 G89
Greenhouse heating.
- 40086 STRAKA, R. Think in summer on the effective heating of greenhouses. (Cz) Ovocnarstvi Zelinarstvi 13(7):184-186. 1965. 80 Ov64
Equipment.
- 40087 TAVEIRNE, W. General directives in relation to estimating for a greenhouse heating apparatus. (Fl) Land- Tuinbouw Jaarboek 20:245-255. 1965. 13 L22
- 40088 VRIES, S. DE. Four years natural gas in greenhouses. (Du) Groenten Fruit 21(26):1184-1185,1187. Jan.12,1966. 80 G89
- 40089 VYNCKE, G. The use of plastics in greenhouse construction. (Fl) Land- Tuinbouw Jaarboek 20:279-286. 1965. 13 L22

Materials and Methods

- 40090 COCKBURN, M., and TUCKER, V. C. Painting your dairy. Queensland Agr. J. 91(11):654-657. Nov.1965. 23 Q33

Storage Structures

- 40091 ACHILLES, S. What does the construction regulation say about silo construction. (Ge) Tierzuchter 18(1):12-14. Jan.5,1966. 49 T445
- 40092 ADDISON, J. N., and JOCE, E. H. Tower or clamp silos? Great Brit. Min. Agr. Fish. Food. Agr. 73(1):2-6. Jan.1966. 10 G79J
- 40093 BENOY, W. G. Building with a purpose. 6. Power Farming labour saving grain plant. Power Farming 36(2):49-54. Feb.1966. 58.8 P872
Drying and storage.
- 40094 CALI, S. Vertical and horizontal silos—considerations. (It) Tec. Agr. 16(5/6):191-198. Ref. Sept./Dec.1964. 16 T22
- 40095 CONRAD, P. Tower hay silos—are they cheap? Cheap enough? (Ge) Unser Milchvieh 18(1): 2-3. Jan.1966. 43.8 Un7
- 40096 CRANSTON, K. J. Roadside shelters for milk. Queensland Agr. J. 92(1):17-21. Jan.1966. 23 Q33
- 40097 HOWARD, M., and RENNIE, A. Building for barn hay drying. Farmbuildings 10:40-41,43. Mar./Apr.1966. 296.8 F224
- 40098 MESSER, H. J. M., FRANGHIADI, G. P., and SHARROCK, J. T. R. A building for storing crisping potatoes in stillages. Great Brit. Exp. Farm Buildings. Rep. 5,9 p. Jan.1966. 296.29 G7932
- 40099 MOLBERT, H. The trench silo is better than its reputation. (Ge) Tierzuchter 18(1):11-12. Jan.5,1966. 49 T445

- 40100 PAZZI, J. J. O. Vertical circular silos. Repub. S. Afr. Dept. Agr. Tech. Serv. Bull. 379,57 p. 1965. 24 So84P
Chiefly tower silos.
- 40101 SCHEPKE, F. Storing and preparation of potatoes. (Ge) Landtechnik 21(1/2):34-40. Jan.15,1966. 58.8 L235
Structures and grading equipment, chiefly.
- 40102 SUTER, C. Costs of various types of silos. (Fr) Agr. Romande (ser.B)4(12):84-87. Dec. 1965. 17 Ag8
- 40103 VALATIN, L. Storing of Krasnodar sunflower on ventilation floor. (Hu) Malomipar Termenyforgalom 12(9):347-349. Nov./Dec.1965. 298.8 M292

Walls and Fences

- 40104 HARGREAVES, R. P. Farm fences in pioneer New Zealand. New Zeal. Geogr. 21(2):144-155. Oct.1965. 331.8 N48
History of construction.
- 40105 LANGOUCHE, P. Electrical fence installation. (Fl) Land- Tuinbouw Jaarboek 20:393-404. 1965. 13 L22
- 40106 SELF, H. L. Strand cable economical, effective. Beef 1(7):31-32. Sept.1965. 50.8 B39
Feedlot fencing.

FARM UTILITIES

Electricity and Electrification

- 40107 BAILEY, K. B. How to buy, use, care for small electrical appliances. Wis. Univ. Ext. Circ. 534,rev.,20 p. Nov.1965. 275.29 W75C
- 40108 BAYETTO, R. A. The background to the EDA agricultural sales campaign. Rural Elec. Conf. [Proc.] 1965(sup.):3-7. 335.9 R88
British Electrical Development Association.
- 40109 BUDZKO, I. A. Let us carry to perfection an organization of scientific research. 13 p. Transl. 15756
Research programs in electrification and mechanization of agriculture.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 4:5-7. 1961.
- 40110 BUDZKO, I. A. Progress in electrification of agriculture and the problems of science. 21 p. Transl. 15752
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:29-32. 1964.
- 40111 BUDZKO, I. A. Rural electrification in Sweden. 23 p. Transl. 15718
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:56-60. 1964.
- 40112 EVREINOV, M. S. Application of various forms of electric energy in agriculture. 22 p. Transl. 15748
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:30-33. 1963.
- 40113 1965 RURAL Electrification Conference. IEEE (Inst. Elec. Electron. Eng.) Spectrum 2(9):117-119. Sept.1965. 335.8 In75
Abstracts of papers delivered at the 9th conference of the Institute of Electrical and Electronics Engineers, San Francisco, May 24-25, 1965.
- 40114 SCIUBBA, R. Electricity in poultry raising. (It) Avicoltura 34(12):115-122. Dec.1965. 47.8 R523
French summary, p.74.
On Italian poultry farms.

- 40115 WERNER, R. Wirtschaftliche Nutzungsdauer und Instandhaltungskosten technischer Einrichtungen für den Landhaushalt [Economic service life and repair costs technical appliances for the rural household]. Kuratorium Tech. Landwirt. Ber. Landtech. 95,85 p. 1966. 18 K96
English summary.
Electric.

Heating, Lighting, and Radiation

- 40116 LANGOUCHE, P. Electrical soil warming and plant lighting in horticulture. (F1) Land-Tuinbouw Jaarboek 20:323-330. 1965. 13 L22
- 40117 PETROV, V. P. Gazovoe toplivo v sel'skom khozyaistve [Gas fuel on farm]. Leningrad, Nedra, 1965. 157 p. TP345.P4
- 40118 WILDE, J. DE. Electrical soil warming in horticulture. (F1) Land-Tuinbouw Jaarboek 20:235-243. 1965. 13 L22
Equipment.

Power Plants, Motors and Engines on the Farm

- 40119 SHARONOV, G. P. Primenenie prisadok k maslam dlya uskoreniya prirabotki dvigatelei [Improving engine operation by adding supplemental materials to lubricants]. Moskva, Khimiya, 1965. 223 p. Ref. TJ1077.S5

- 40120 SHEFTER, YA. I. Principles of computation of optimization of the parameters of wind-aggregates. 17 p. Transl. 15725
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistvo 6:41-44. 1964.

Sewage and Waste Disposal

- 40121 LINTON, R. E. Some methods of poultry waste handling and disposal. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 387,14 p. Sept.1965. 281.9 C81Ae
- 40122 OGLESBY, D. So you're going to buy a new food waste disposer. Ga. Univ. Ext. Circ. 546, 6 p.-folder. May 1965. 275.29 G29C
- 40123 ROBERTSON, E. I. How to build a disposal pit for poultry. Everybodys Poultry Mag. 70(10): 56. Oct.1965. 47.8 F213P

Water Supply

- 40124 FLEMING, A. M. Centrifugal pumps. Farming S. Afr. 41(7):33,35,37-39,41,43,45,47. Oct. 1965. 24 So842
- 40125 FRANZOY, C. E., and BUSCH, C. D. A portable airline to measure water level. Agr. Eng. 47(2):86-87. Feb.1966. 58.8 Ag83
For irrigation wells.
- 40126 PAREDES ARELLANO, E. Costs of pumping in the system of deep wells for farm use in the Colorado River Irrigation District in Mexicali, Baja California, and the possibility of utilizing geothermoelectric energy for these pumps. (Sp) Seminar. Latino-Amer. Irrig. Mem., 3d Seminar,v.4:49-58. 1964. 55.9 Se5

**AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS**

GENERAL

- 40127 BALLATORE, G. P., and ZANINI, E. Planning and distribution of herbaceous crops in Italy. (It) *Agricoltura* 14(7):28-52. Ref. July 1965. 16 Ag8226
Planning for field crop production by zones.
- 40128 COOK, R. C. Malthus in retrospect—the stork visits Dorking, 1766. *Population Bull.* 22(1):1-5. Feb. 1966. 280.8 P814
Population and food supply.
- 40129 COOLEY, H. D. A world war on hunger as absolute necessity. *Tarheel Banker* 44(8):17,43. Feb. 1966. 284.8 T17
Food and fiber relief programs.
- 40130 DAVIS, J. G. The food industry in AD 2000. *Food Trade Rev.* 36(1):27-38. Ref. Jan. 1966. 389.8 F7334
- 40131 DAVIS, J. G. Food production and technology in the year 2000. *Brit. Food J.* 68(804):2-4. Jan. 1966. 389.8 B77
- 40132 HARMER, R. Cooperation: path to success; problems and tasks of the Austrian food and condiment industry at the turn of the year 1965/66. (Ge) *L E (Lebensmittel Ernähr.)* 18(12):1-2. Dec. 1965. 389.8 Z34
- 40133 HARTMAN, W. E. Vegetarian protein foods. *Food Technol.* 20(1):39-40. Jan. 1966. 389.8 F7398
- 40134 INTERNATIONAL FOOD INDUSTRIES CONGRESS, 1964. Proceedings. London? 1964. 226 p. Ref. 389.9 In836
- 40135 MACGREGOR, J. J. The World Food Program. *Oxford Univ. Forest Soc. J.* (ser.5)13:35-38. 1965. 99.9 Ox2
- 40136 MCGOVERN, G. The most important war. *GTA (Grain Terminal Ass.) Dig.* 25(9):10-15. Nov. 1965. 280.28 G11
Population and food supply.
- 40137 MCGOVERN, G. The world food crisis. *Amer. Miller Processor* 94(2):8. Feb. 1966. 298.8 Am32
Population and food supply.
- 40138 MORRIS, J. K. Professor Malthus and his essay. *Population Bull.* 22(1):7-27. Feb. 1966. 280.8 P814
Population and food supply.
- 40139 NORMAND. The action of the O.E.C.D. in the the field of perishable foods. (Fr) In *France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.23-26. 1965. 389.9 F843
Standardization, information, and processing.
- 40140 OUTLOOK '66. Co-op Offic. 25(4):3-8. Dec. 1965. 280.28 C7879
Reports for various products by A. L. Russell, L. M. Leach, L. B. Stalcup, C. Poland, M. Tedmondson, J. Wise, L. Johnston, and I. Moore.
- 40141 TURK, K. L. Can a hungry world be fed? *Cornell Int. Agr. Develop. Bull.* 8,23 p. Nov. 1964. 281.8 C813
- 40142 WEST, Q. M. World food needs, with special reference to protein. *Nat. Res. Counc. Agr. Res. Inst. Proc.*, 14th Annu. Meeting:17-27. 1965. 4 N2122
- 40145 BERLIN, E., KLIMAN, P. G., and PALLANSCH, M. J. Surface areas and densities of freeze-dried foods. *J. Agr. Food Chem.* 14(1):15-17. Jan./Feb. 1966. 381 J8223
- 40146 BORKER, E. Total quality control application to food processing. *Master Brewers Ass. Amer. Tech. Quart.* 3(1):76-80. Jan./Mar. 1966. 390.9 M39T
- 40147 CAMBER, C. I. Psychrophilic bacteria—their growth characteristics and activities. *Diss. Abs.* 26(6):3237. Dec. 1965. 241.8 M58
Food bacteria.
- 40148 CIACCIO, L. L. Determination of potassium sorbate in low-calorie salad dressings. *Food Technol.* 20(1):73-75. Ref. Jan. 1966. 389.8 F7398
- 40149 DESCHACHT, W. The range of the o-phenanthroline method for iron determination. (Fl) *Ghent. Landbouwhogesch. Mededel.* 30(1):47-58. 1965. 105.1 G344
English summary.
- 40150 FERNANDEZ-DIEZ, M. J., and GONZALEZ-CANCHO, F. Thermal resistance of *Lactobacillus [plantarum]* and yeasts. (Sp) *Microbiol. Espan.* 17(4):225-237. Oct./Dec. 1964. 448.3 M583
English summary.
In food.
- 40151 FLYNN, L. M. Microbiological assays of folic acid activity in foods. *Ass. Offic. Agr. Chem. J.* 48(6):1230-1235. Dec. 1965. 381 As7
- 40152 GAUNT, I. F. Safety testing of food additives. *Food Trade Rev.* 36(1):45-47. Jan. 1966. 389.8 F7334
- 40153 HERRMANN, C. Quantitative differentiation of heated proteins by means of indirect hemagglutination test. (Ge) *Pathol. Microbiol.* 28(6):886-890. 1965. 448.8 Sch9
English summary.
In food.
- 40154 EL-KHAWAS, F., TAWASHI, R., and LINDENWALD, H. VON C. Water vapor sorption and suction potential of starch grains. *Soc. Cosmet. Chem. J.* 17(2):103-114. Ref. Feb. 5, 1966. 449.9 So12
- 40155 KOHN, R. Use of infrared spectroscopy in food analysis. I. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(1):28-40. Ref., p.35-40. 1965. 384 Z39
Literature review.
- 40156 LANGNER, J. H. Golay column gas chromatographic separation and determination of lactic acid as methyl ester. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(1):25-26. 1965. 384 Z39
- 40157 NOLF, F. Critical study of some methods for the determination of magnesium in plant materials and soil extracts. (Fl) *Ghent. Landbouwhogesch. Mededel.* 30(2):485-504. Ref. 1965. 105.1 G344
English summary.
- 40158 PEASE, H. L. Herbicide residues: determination of bromacil residues. *J. Agr. Food Chem.* 14(1):94-96. Jan./Feb. 1966. 381 J8223
In plant and animal tissues and soils.
- 40159 PYKE, M. Quality control in factory production. *Int. Food Indus. Congr. Proc.* 1964:117-121. Ref. 389.9 In836
Includes discussion.
- 40160 REUTER, G. The incidence of lactobacilli in food products and their behaviour in the human intestinal tract. (Ge) *Zentralbl. Bakteriologie, Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 197(4):468-487. Ref. Oct. 1965. 448.3 C33
English summary.
- 40161 REYNOLDS, T. M. Chemistry of nonenzymic browning. II. *Advances Food Res.* 14:167-283. Ref., p.268-283. 1965. 389 M87
Literature review.

ANALYSIS AND COMPOSITION

- 40143 ANDERS, J. L. Optical instruments in process control. *Int. Food Indus. Congr. Proc.* 1964:129-136. 389.9 In836
Includes discussion.
- 40144 ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. Official methods of analysis. Ed. 10. Washington, 1965. 957 p. S587.A78

- 40162 SEGNER, W. P., SCHMIDT, C. F., and BOLTZ, J. K. Effect of sodium chloride and pH on the outgrowth of spores of type E *Clostridium botulinum* at optimal and suboptimal temperatures. *Appl. Microbiol.* 14(1):49-54. Ref. Jan.1966. 448.3 Ap5
In food.
- 40163 SINELL, H. J., and BAUMGART, J. Selective nutrient media for the isolation of staphylococci from food products. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 197(4):447-461. Ref. Oct.1965. 448.3 C33
English summary.
- 40164 SMITH, M., SUZUKI, H., and MALINA, M. Analysis of Dicamba in crops and milk, including a rapid cleanup method. *Ass. Office. Agr. Chem. J.* 48(6):1164-1169. Dec.1965. 381 As7
- 40165 SURKIEWICZ, B. F. Bacteriological survey of the frozen prepared foods industry. I. *Appl. Microbiol.* 14(1):21-26. Jan.1966. 448.3 Ap5
- 40166 WATKINSON, J. H. Fluorometric determination of selenium in biological material with 2,3-diaminonaphthalene. *Anal. Chem.* 38(1):92-97. Ref. Jan.1966. 381 J825A
Plant materials.
- CONSUMPTION AND UTILIZATION**
- 40167 BISHOP, C., DAVIS, B., and HARPER, L. J. Factors influencing homemakers' food-buying practices and their willingness to try new foods and recipes. *Va. Agr. Exp. Sta. Bull.* 565,30 p. Sept.1965. 100 V81S
Includes advertising.
- 40168 GREAT BRITAIN. NATIONAL FOOD SURVEY COMMITTEE. Domestic food consumption and expenditure: 1963. London, 1965. 131 p. 389.9 G798D
- 40169 MALAKAR, M. C. Report to the Government of Somalia on food consumption surveys. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 2042,26 p. 1965. 281.9 F733E
- 40170 MARGOLIUS, S. Buyer, be wary! *Public Aff. Pam.* 382,28 p. Dec.1965. 280.9 P964
Includes food purchasing by grade.
- 40171 QUIN, C. New consumer requirements. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.23-26. 1965. 389.9 F843
- 40172 SINHA, R. P. An analysis of food expenditure in India. *J. Farm Econ.* 48(1):113-123. Ref. Feb.1966. 280.8 J822
- 40173 STAMER, H., and WOLFFRAM, R. Die Nachfrage nach Agrarprodukten; Elastizitäten und Entwicklungstendenzen [The demand for agricultural products; elasticities and development trends]. *Agrarpolit. Marktwesen* 5,140 p. Ref.,p.135-140. 1965. 281.8 Ag837
- 40174 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. *Sozialstatistik; Sonderreihe: Wirtschaftsrechnungen, 1963/64* [Social statistics; special series:household budgets 1963/64] 1963/64]. Brussels, 1965. various paging. HD7022.S7
Text also in French.
Food consumption and costs included.
- DISTRIBUTION, MARKETING, AND TRANSPORTATION**
- 40175 ABBOTT, J. C. Recent aspects of supplying of food to large cities in the light of present economic and social trends. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.63-71. 1965. 389.9 F843
- 40176 AMENDOLA. The Milan wholesale markets. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.85-86. 1965. 389.9 F843
Food.
- 40177 APOLLONI, L. Marketing of perishable foods in France, Great Britain, and Belgium. (It) *Roma Econ.* 18(6):306-316. June 1965. 280.8 R66
- 40178 ARCKEN, V. Supplying of food to large cities. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.178-183. 1965. 389.9 F843
Europe.
- 40179 ASFOUR, E. Y. Saudi Arabia, long-term projections of supply of and demand for agricultural products. Beirut, Econ. Res. Inst. Amer. Univ. Beirut, 1965. 180 p.,map. HD2112.S2A8
- 40180 BATTEKE, J. P. H. The application of statistics to quality control of road and water works. (Du) *Koninklijke Ned. Heidemaatsch. Tijdschr.* 76(4):163-174. Apr.1965. 12 N282
- 40181 BENNETT, P. D. The role of government in the promotion of efficiency in the retail marketing of food products in Greater Santiago, Chile. *Diss. Abs.* 26(7):3672-3673. Jan.1966. 241.8 M58
- 40182 BERGVELT. Aspects of the supplying of the City of Amsterdam with perishable foods. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.87-88. 1965. 389.9 F843
- 40183 BOU. The Paris-Rungis national market. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.285-288. 1965. 389.9 F843
- 40184 CASTRO RODRIGUEZ, L. The problem of marketing agricultural products in Spain. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.245-249. 1965. 389.9 F843
- 40185 CEYLON. MARKETING DEPT. Administration report for 1963-64. Colombo, 1965. 27 p. 280.39 C334
Text also in Sinhalese.
- 40186 CODA-NUNZIANTE, G. The strengthening of the contractual position in agriculture. (It) *Riv. Polit. Agr. (n.s.)* 12(4):39-53. Dec.1965. 281.8 R523
Marketing problems and policies.
- 40187 CROW, W. Supplying of food to large cities in the United States. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.111-116. 1965. 389.9 F843
- 40188 DELOROZOY. The marketing of fresh products with regard to marketing in association. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.165-169. 1965. 389.9 F843
- 40189 DISTRIBUTION AGE. Directory issue 1966; guide to public warehouses, piggyback routing guide, motor freight rate bureaus, container manufacturers and lessors, air cargo guide. *Distribution Age* 65(2):398 p.,map. Feb.1966. 288.8 T68
- 40190 ENDIVY. The role of cooperatives in marketing of agricultural produce. Maharashtra Co-op. Quart. 49(1):21-40. July 1965. 280.28 B63
- 40191 FARCY, DE. Social aspects of food distribution in large cities. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.48-50. 1965. 389.9 F843
- 40192 FLAMAND, J. F. Collective consumption and marketing circuits. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.170-173. 1965. 389.9 F843
Food.
- 40193 FLETCHER, L. B. Commodity markets and marketing. *In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture*, p.132-141. 1965. HD1411.15
In relation to economic development.

- 40194 FRANCE. CENTRE NATIONAL DES EXPOSITIONS ET CONCOURS AGRICOLES. Le ravitaillement des grandes villes; colloque international [Food supply of large cities; international colloquium]. Paris, 1965. 344 p.,map. 389.9 F843
Special number of its Cahiers du CENECA.
- 40195 GOURDIN. The Lyon market. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.289-291. 1965. 389.9 F843
- 40196 HAAG, H. M., and RIOSECO, G. Marketing of grains and other farm products in the Yaqui Valley, Sonora, Mexico. Southern Ill. Univ. Sch. Agr. Publ. 21,89 p.,map. Aug.1965. 276 So83A
- 40197 HAWKINS, H. C. G. Wholesale and retail trade in Tanganyika; a study of distribution in East Africa. New York, Econ. Intel. Unit, 1965. 168 p.,map. (Praeger Special Studies in International Economics and Development) HF3899.T3H3
- 40198 HOLLINS. The problem of Covent Garden. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.72-81, map. 1965. 389.9 F843
Food marketing.
- 40199 JALASS, G., and SCHWARZBACH, R. Concentration of changes of agricultural goods at car loading railroad junctions. (Ge) Z. Agrarökön. 11(8):340-344, map. Ref. 1965. 281.8 Z3
- 40200 JASSERAND. Improvement of the food supplying of large cities by the collaboration of a large chain with agricultural production. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.162-164. 1965. 389.9 F843
- 40201 KIRSCHKE, G. What German dealers expect of French food products. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.145-149. 1965. 389.9 F843
Includes discussion.
- 40202 KOSMINSKI, L. Problems of supplying food to cities in a socialist economy. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.37-39. 1965. 389.9 F843
Poland.
- 40203 LINDSKOG, C. The supplying of food to Stockholm. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.124-129. 1965. 389.9 F843
- 40204 LION, L. The supplying of Brussels with perishable commodities—future projects. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.134-136. 1965. 389.9 F843
- 40205 M'BARGA. How to organize the food supply of the City of Yaounde? (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.234-235. 1965. 389.9 F843
- 40206 MICHON, F. Does the function of the producer stop at the farm? (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.223-224. 1965. 389.9 F843
- 40207 MOREAU, C. Position of buyers charged with the supplying of the salting and processing industries—meat, vegetables, and fruits. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.154-158. 1965. 389.9 F843
- 40208 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Market towns and spatial development in India, by E. A. J. Johnson. New Delhi, 1965. 162 p.,map. HT431.N3
- 40209 OUSTEN, P. Supply of large cities with fresh products. II. Economic policies. (Fr) Coop. Agr. [Paris] 12(143):11-14. Dec.1965. 280.28 C78972
Agricultural products for Europe.
- 40210 PAQUETTE. Recent aspects of food supplying to large cities. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.150-153. 1965. 389.9 F843
- 40211 PARK, J. The role played by chain stores in the supplying of food to large cities in the United States. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.117-120. 1965. 389.9 F843
- 40212 POPESCO-BARAN. Aspects of supplying food to the City of Bucharest. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.231-232. 1965. 389.9 F843
- 40213 RAMADORO, A. Producers and their adaptation to market developments. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.184-189. 1965. 389.9 F843
Work of the Italian Federation of Agricultural Societies, Federazione Italiana dei Consorzi Agrari.
- 40214 RAYNER. New aspects of the supplying of large Canadian cities with food products. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.93-95. 1965. 389.9 F843
- 40215 REYMOND, P. Production behavior in relation to the development of large cities. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.32-36. 1965. 389.9 F843
Chiefly on marketing organization and the role of cooperatives.
- 40216 SALANT, A. Marketing aspects of low-calorie foods. Food Technol. 20(1):37-38. Jan.1966. 389.8 F7398
- 40217 SANDS, D. W. Role of agricultural cooperatives in the supplying of large cities. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.190-192. 1965. 389.9 F843
- 40218 SCHACHTSCHABEL, H. B. Cooperation as integrator in modern forms of agricultural marketing. (Ge) Z. Gesamte Genossenschaftswesen 15(4):311-326. Ref. Fourth Q.1965. 286.8 Z3
English summary.
- 40219 SCHMITT, G. Producers' association as viewed by the price theory. (Ge) Agrarwirtschaft 15(1):1-14. Jan.1966. 281.8 Ag826
English summary.
In relation to a market structure law.
- 40220 SCHMITT, G. Structural transformations in the sale of agricultural products and economic growth demonstrated with the German Federal Republic as example. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.121-123. 1965. 389.9 F843

- 40221 SEMINAR: Federal, State and local laws and regulations affecting marketing. N. Dak. Agr. Exp. Sta. Bull. 455,47 p. Ref. Sept.1965. 100 N813
Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin, cooperating. Contents: Some conceptual problems in research on market regulation, by J. D. Shaffer; The role of law in achieving policy goals for agricultural and industrial organization, by N. E. Harl; An economic taxonomy for agricultural marketing laws, by D. C. Dahl; Changes in market structure enabled by marketing orders—a conceptual framework, by O. P. Blauch; Corporate profits taxes, investment and employment, by F. L. Olson.
Also [North Central] Regional Research Bulletin 168.
Also North Central Regional Marketing Research Committee NCR-20, No. 5.
- 40222 SPYCHALSKI, J. C. Two cases for unregulated truck transportation: comment. J. Farm Econ. 48(1):124-127. Ref. Feb.1966. 280.8 J822 Rates.
- 40223 STACHWICK, G. Food wholesaling and retailing (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 40,9 p. Jan.1966. 284.9 M58
Published jointly with Michigan Cooperative Extension Service.
- 40224 STAMER, G., and SCHWARZBACH, R. Importance and foundations of central storage of agricultural delivery and sales goods. (Ge) Z. Agrarokon. 8(12):377-381. 1965. 281.8 Z3
In facilitation transportation.
- 40225 SVENTO, I. Über die zonen der Vermittlungsintensität im Einflussgebiet von Mikkeli [Zones of negotiating intensity in the Mikkeli sphere of influence]. Helsinki. Univ. Maantieteen Lait. Julkaisu 46,32 p.,map. 1965. 278.9 H36
Agricultural products marketing.
- 40226 TAKAHASHI, I., and MORI, H. Bibliography on agricultural marketing in the U.S. Journal of Farm Economics (Vol. 1, No. 1—Vol. 44, No. 5). Tokyo. Nat. Res. Inst. Agr. Publ. 264, 169 p. Nov.1964. 22.5 T573K
- 40227 TAYLOR, A. J. The supplying of perishable foods in the United Kingdom. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.130-133. 1965. 389.9 F843
- 40228 TAYLOR, E. G. Boston wholesale food distribution facilities. U. S. D. A. Marketing Res. Rep. 732,89 p.,map. Dec.1965. 1 Ag84Mr
- 40229 VALENTIN. Food processing complex distributing 100,000 meals a day; the Belgrade Agricultural Combine. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.51-56. 1965. 389.9 F843
Includes discussion.
- 40230 WICKHAM, M. Urbanization and food distribution in a market economy. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.44-47. 1965. 389.9 F843
- 40231 WICKSTROM, B. Konsumentens markesval, en studie av kopbeteendet och dess utveckling [Consumer brand choice; a study of buying behavior and its development]. Goteborg. Handelshogsk. Skr. 7,497 p. 1965. 280.39 In72
- 40232 WINKLER, G., and NEUBERT, E. Problem of further development of market relations in the agriculture of the DDR. (Ge) Z. Agrarokon. 8(12):353-356. Ref. 1965. 281.8 Z3
- 40233 WOOD, W. W. Federal marketing orders and commodity group organization. Diss. Abs. 26(7):3671. Jan.1966. 241.8 M58
- GRADING, INSPECTION, STANDARDIZATION, AND QUALITY
- 40234 ABRAHAMSON, A. E. Administrative microbiological standards for sanitary control of frozen foods. Public Health Rep. 81(1):83-86. Jan.1966. 151.65 P96
- 40235 ASSOCIATION OF FOOD AND DRUG OFFICIALS OF THE UNITED STATES. Proceedings issue. Ass. Food Drug Offic. U. S. Quart. Bull. 29,67 p. 1965. 389.9 As7Q
- 40236 BARFUSS, W. The legal importance of the Codex Commission. (Ge) L E (Lebensmittel Ernahr.) 18(7):6-7. July 1965. 389.8 Z34
Austrian food regulation.
- 40237 BOIANGIU, O., and COJOCARU, C. Standardization as an important factor in the improvement of quality of agricultural products. (Rum) Probl. Econ. [Bucharest] 18(7):88-99. July 1965. 280.8 P947
- 40238 BURTON, P. Foodstuffs and the Weights and Measures Act. Inst. Weights Meas. Admin. Mon. Rev. 73(11):278-280. Nov.1965. 212.9 In2
Great Britain.
- 40239 BUTLER, N. J., and EGGINS, H. O. W. Bio-deterioration: with special reference to the microbiological deterioration of foods. Int. Food Indus. Congr. Proc. 1964:109-113. Ref. 389.9 In836
- 40240 CLIVER, D. O. Implications of foodborne infectious hepatitis. Public Health Rep. 81(2): 159-165. Ref. Feb.1966. 151.65 P96
- 40241 CONNECTICUT STATE DEPT. OF HEALTH. Estimated daily intake of radionuclides in Connecticut standard diet, March 1963-December 1964. Radiol. Health Data 6(7):381-382. July 1965. 151.65 R11
In food.
- 40242 CORDELL, V. E. How the food service industry looks at the sanitarian. J. Milk Food Technol. 29(1):10-12. Jan.1966. 44.8 J824
Restaurants.
- 40243 CUMMINGS, J. G. Pesticide residues in total diet samples. Ass. Offic. Agr. Chem. J. 48(6): 1177-1180. Dec.1965. 381 As7
Insecticides and herbicides.
- 40244 DAVIS, A. D. Food and Drug Administration plans and programs. Food Drug Cosmet. Law J. 21(1):57-64. Jan.1966. 389.58 F732
- 40245 DUGGAN, R. E., BARRY, H. C., and JOHNSON, L. Y. Pesticide residues in total-diet samples. Science 151(3706):101-104. Ref. Jan.7,1966. 470 Sci2
- 40246 FORSS, D. A. New ideas on flavour. Food Technol. Australia 18(1):6-7,9,11,13,15,17. Ref. Jan.1966. 389.8 F7333
- 40247 GAMBLE, T. R. The food industry and consumer protection. Food Drug Cosmet. Law J. 21(1):6-12. Jan.1966. 389.58 F732
- 40248 GROEBEL, W. Determination of N,N'-diphenylthiourea in polyvinyl chloride. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(1):26-27. 1965. 384 Z39
In relation to the food law.
- 40249 HERNANDEZ, E. Food poisoning. III. Poisoning by staphylococci. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):303-306. July/Sept.1965. 389.8 R324
- 40250 JOINT FAO/WHO CODEX ALIMENTARIUS COMMISSION. Report of the second session, Geneva, 28 September-7 October 1964. Rome, 1965. 90 p. 389.9 J663
- 40251 KLEINFELD, V. A., and KAPLAN, A. H. Federal Food, Drug, and Cosmetic Act; judicial and administrative record, 1961-1964. New York, Com. Clearing House, 1965. 913 p. (Food Law Institute Series) HD9000.9.U5A4
- 40252 KRUG, R. On a method for testing the flavor and aroma of foods. (Ge) Verpackungs-Rundschau 16(8):923-924,926. Aug.1965. 280.38 V592

- 40253 LACHOWICZ, K. Salmonella infections in East Europe. Monogr. Biol. 13:295-334. Ref. 1964. 444.8 P56
Food contamination as chief factor in Communist Europe including European USSR.
- 40254 LARRICK, G. P. The mid-60's. Ass. Food Drug Offic. U. S. Quart. Bull. 29:9-15. 1965. 389.9 As7Q
Food and drug regulation.
- 40255 LINDER, M. W. On lecithin. (Ge) Pharm. Zeitung 110(32):1056,1058-1066. Aug.12,1965. 396.8 P496
Includes food regulatory aspects.
- 40256 LITTLEFIELD, J. L. This was the year that was. Ass. Food Drug Offic. U. S. Quart. Bull. 29:3-9. 1965. 389.9 As7Q
On the Association of Food and Drug Officials of the United States.
- 40257 MCCLELLAN, J. G. Responsibilities and challenges of regulatory agencies and the food industry. J. Milk Food Technol. 28(12):374-376. Dec.1965. 44.8 J824
- 40258 MCGOWAN, J. F. Importance of texture in low-calorie foods. Food Technol. 20(1):41-42. Jan.1966. 389.8 F7398
- 40259 O'KEEFE, H. F. Food and Drug Administration industry information programs. Food Drug Cosmet. Law J. 21(1):52-56. Jan.1966. 389.58 F732
- 40260 SEELIGER, H. P. R., and MAYA, A. E. Epidemiology of salmonellosis in Europe 1950-1960 (Eastern Europe excluded). Monogr. Biol. 13:245-294, map. Ref. 1964. 444.8 P56
Includes contaminated food as a mode of infection.
- 40261 SICKENGA, F. N. Transmission of salmonellae and pathogenesis of salmonellosis in man. Monogr. Biol. 13:205-232. Ref. 1964. 444.8 P56
Includes food contamination.
- 40262 SILBERSTEIN, W., and GERICHTER, C. B. Salmonellosis in Israel. Monogr. Biol. 13:335-352. Ref. 1964. 444.8 P56
Includes food contamination.
- 40263 STONE, H., PANGBORN, R. M., and OUGH, C. S. Techniques for sensory evaluation of food odors. Advances Food Res. 14:1-32. Ref., p.27-32. 1965. 389 M87
Literature review.
- 40264 TOULMIN, H. A. A treatise on the law of foods, drugs and cosmetics; 1965 supplement. Ed. 2. Cincinnati, Anderson, 1965. 4 v. 389.5 T64
- 40265 U. S. PUBLIC HEALTH SERV. DIV. OF RADIOLOGICAL HEALTH. Radionuclides in institutional diet samples, October-December and annual averages, 1964. Radiol. Health Data 6(7):371-377, map. July 1965. 151.65 R11

PACKING AND PACKAGING

- 40266 ANGEL, T. H. Aluminium foil in food packaging. Int. Food Indus. Congr. Proc. 1964:175-177. 389.9 In836
- 40267 BUCK, J. More scope for cold sealing? Food Process. Marketing [London] 35(412):9-12. Jan.1966. 389.8 F738
- 40268 COOK, J. E., and DRUCE, E. Packaging evaluation of prepacked and convenience foods. Int. Food Indus. Congr. Proc. 1964:168-172. 389.9 In836
- 40269 DORFMEISTER, J. Situation and development of the American packing industry. (Ge) Verpackungswirtschaft 13(3):2-3. Mar.1965. 280.38 V59
Includes food containers.
- 40270 FELMINGHAM, J. D. Plastic and flexible containers for heat sterilised foods. Int. Food Indus. Congr. Proc. 1964:177-182. Ref. 389.9 In836

- 40271 FIDLER, F. Packaging of freeze-dried foods. Int. Food Indus. Congr. Proc. 1964:182-187. Ref. 389.9 In836
- 40272 GARLOCK, E. A., and PAYNTER, O. E. Determination of extractable substances in food packaging materials. Residue Rev. 10:40-69. Ref. 1965. 389.9 R314
Literature review.
Cause of food contamination.
- 40273 MANTLE, J. H. Protection of aluminium food cans against corrosion. Int. Food Indus. Congr. Proc. 1964:75-79. 389.9 In836
- 40274 PAINE, F. A. Modern cartoning systems. Int. Food Indus. Congr. Proc. 1964:166-167. 389.9 In836
- 40275 PICTON, L. J. Packaging foodstuffs for retail sale. Food Indus. S. Afr. 18(8):44-45, 47. Dec. 1965. 389.8 F7372
In Great Britain.
- 40276 SCHULTHEIS, K. F. Molded PVC in European food packaging. SPE (Soc. Plast. Eng.) J. 22(2):60-66. Feb.1966. 309.8 So1

PRICES, PRICE CONTROL, AND RATIONING

- 40277 BOEV, V. Purchase prices and productive capacity of farming. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:30-33. 1965. 20 M57
- 40278 FREEMAN, R. E. Roles of farm productivity and marketing margins in postwar decline in farm prices. J. Farm Econ. 48(1):31-41. Feb. 1966. 280.8 J822
- 40279 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Preise und Preisindizes für die Land- und Forstwirtschaft [Prices and price indexes for agriculture and forestry]. Wiesbaden, 1965. 17 p. 265 G318P
- 40280 HASSELBACH, W. VON. Producer prices—consumer prices—spans. (Ge) Agrarpolit. Rev. 22(194):140-151. Dec.4,1965. 281.8 Ag824
- 40281 PAUL, C. Your food bargains start with the farmer. Calif. Dep. Agr. Bull. 54(1):1-2. 1965. 2 C12M
In California.
- 40282 PEDRINI, F., KESSELRING, W., and VENTAFRIDA, S. The movement of prices in German Switzerland from 1695 to 1805. (It) Gior. Econ. 24(9/10):861-885. Ref. Sept./Oct.1965. 280.8 G43
Conclusions by D. Cantarelli.
Food prices.
- 40283 POPESCU, O., and TINTAREANU, D. Measures for stimulating the increase of agricultural production. (Rum) Probl. Econ. [Bucharest] 18(6):47-59. June 1965. 280.8 P947
Chiefly prices.
- 40284 SENCHIKHIN, V. New prices and improvement of effectiveness of animal husbandry on state farms. (Rus) Voprosy Ekon. 8:31-34. Aug. 1965. 280.8 V89
- 40285 TAKASU, K. Gendai kakaku taikei ron josetsu [An introduction to modern price structure theory]. Hitotsubashi Univ. Inst. Econ. Res. Keigai Kenkyu Sosho 17, 239 p. 1965. 280.9 H6322
- 40286 VAZZA, G., and others. The movement of prices in Genova from 1845 to 1905. (It) Gior. Econ. 24(9/10):886-920. Ref. Sept./Oct.1965. 280.8 G43
N. de Petris, P. Versetti, and T. Fornaci, joint authors.
Bibliography by G. Marson, p.886-891.
Conclusions by A. Agnati.
Chiefly food prices.
- 40287 WALDORF, W. H. The demand for and supply of food marketing services: an aggregate view. J. Farm Econ. 48(1):42-60. Ref. Feb.1966. 280.8 J822
With reference to the decline in farm share of consumer expenditures.

PROCESSING AND STORAGE

- 40288 AUSTRALIA COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, DIV OF FOOD PRESERVATION. Annual report, 1962-64. Food Technol. Australia 18(1): 18-19, 21-22, 25. (Cont.) Jan. 1966. 389.8 F7333
- 40289 CHAMPAGNAT, A., and others. Microbiological dewaxing process yielding protein-vitamin concentrates. 17 p. Ref. (NASA TT F-233) Transl. 14391
C. Vernet, B. Laine, and J. Filosa, joint authors.
Protein synthesis by yeasts and bacteria on petroleum.
Translation from Neftekhimiya 3(5):799-810. 1963.
CFSTI: \$.50.
- 40290 CLEMENT, G. H. Carotenoids as food colours. Int. Food Indus. Congr. Proc. 1964:158-162. 389.9 In836
- 40291 CONNELL, J. E. Additives; hydrolyzed proteins in modern foods. Can. Food Indus. 37(2): 23-24, 26, 28. Feb. 1966. 286.83 C166
- 40292 ENTWISTLE, R. E. Spray drying—let's take another look. Food Eng. 38(2):82-83, 85-86. Feb. 1966. 389.8 F737
Food.
- 40293 EVERTON, J. R., and DUTSON, J. L. Cannery hygiene control. Int. Food Indus. Congr. Proc. 1964:71-75. Ref. 389.9 In836
Includes discussion.
- 40294 FREIXO, J. Applications of cold in food processing. (Por) Conserv. Peixe 20(231):28; (237):31. (Cont.) June, Dec. 1965. 389.8 C7692
Refrigeration and freezing.
- 40295 HERSOM, A. C. Sterility problems associated with rotary cooker coolers. Int. Food Indus. Congr. Proc. 1964:63-67. 389.9 In836
Includes discussion.
- 40296 INIGO LEAL, B. On malolactic fermentation. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):284-287. July/Sept. 1965. 389.8 R324
- 40297 INTERNATIONAL INSTITUTE OF REFRIGERATION. Bibliographic guide to refrigeration, 1961-1964. Oxford, Pergamon, 1965. 895 p. Z7914.R3315
French and English.
- 40298 JENNINGS, W. G. Theory and practice of hard-surface cleaning. Advances Food Res. 14:325-458. Ref., p. 449-458. 1965. 389 M87
Literature review.
- 40299 KOEPCKE, W. Design of irradiation equipment in food technology. (Ge) In Wissenschaftlich-Technische Tagung des Deutschen Atomforums. 2, Bonn, 1963. Atomstrahlung in Medizin und Technik, p. 178-189. 1964. 334.9 W76
- 40300 LLAGUNO, C., GARRIDO, J. New recipients for submerged cultures. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):370-372. July/Sept. 1965. 389.8 R324
In industrial fermentation research.
- 40301 LOPEZ, A. European technology gains suggest U.S. losing food sterilization leadership. Canner/Packer 135(1):82-84. Jan. 1966. 286.83 C16
- 40302 LYALL, N. Application of yeast products to the food industry. Int. Food Indus. Congr. Proc. 1964:149-151. 389.9 In836
- 40303 MALECKI, G. J. Atmospheric "freeze-drying." Food Eng. 38(2):98. Feb. 1966. 389.8 F737
Food.
- 40304 MANIL, P. Radiation pasteurization and sterilization of foods. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):673-685. 1965. 105.1 G344
- 40305 MASON, P. B. Improvements in freeze drying, with special reference to liquids. Int. Food Indus. Congr. Proc. 1964:37-43. Ref. 389.9 In836
- 40306 MEADOWS, V. S. Fluidised freezing techniques. Int. Food Indus. Congr. Proc. 1964:50-57. 389.9 In836
- 40307 MEYRATH, J. Production of amylase on vermiculite by *Aspergillus oryzae*. J. Sci. Food Agr. 16(1):14-18. Ref. Jan. 1965. 382 S012
- 40308 NATIONAL CANNERS ASSOCIATION. Canned food pack statistics, 1964. Washington, D. C., 1965. 79 p. 389.9 N214Ca
- 40309 NATIONAL CANNERS ASSOCIATION. RESEARCH FOUNDATION. Application of radiochemistry techniques in food processing research; radioisotopic tracer techniques in evaluation and improvement of industry practices for removal of pesticide residues from foods; annual report No. 4, edited by W. A. Mercer. Washington, D. C., 1964. 32 p. 389.9 N2147
- 40310 NOMURA, D. Studies on naringinase produced by *Coniothyrium diplodiella*. I. The properties of naringinase and the removal of co-existing pectinase from the enzyme preparation. Enzymologia 29(3/5):272-282. Ref. Nov. 6, 1965. 390.08 En9
Industrial manufacture.
- 40311 PERSSON, P. O., BORGHULT, P., and NILSSON, T. Technical and economic aspects of food freezing. Int. Food Indus. Congr. Proc. 1964:45-50. 389.9 In836
- 40312 PROOST, M. DE. Belgian work in food irradiation. (Fr) Ghent. Landbouwhogeschool. Mededel. 30(2):667-672. Ref. 1965. 105.1 G344
- 40313 RALLS, J. W. Unimolecular thermal transformations of organic compounds under food processing conditions. Advances Food Res. 14: 285-324. Ref., p. 320-324. 1965. 389 M87
Literature review.
- 40314 RELF, C. J. Plant and personal hygiene in food factories. Int. Food Indus. Congr. Proc. 1964:121-123. 389.9 In836
- 40315 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61: food (except beverages). Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C. 10, 24 p. Jan. 1965. 270 S08241
Text also in Afrikaans.
- 40316 SCHULMEISTER, H. Use of frozen foods in large-scale cookery. (Ge) L E (Lebensmittel Ernahr.) 18(12):13-18. Dec. 1965. 398.8 Z34
- 40317 SELIGMAN, A. Gamma ray irradiation for product conservation. (It) Macch. Motori Agr. 23(12):83-89. Dec. 1965. 58.8 M13
Food and other products.
- 40318 SHORT, G. R. A., and MASON, R. D. Food flavourings—their selection and application. Int. Food Indus. Congr. Proc. 1964:138-142. 389.9 In836
- 40319 SINGH, N. Leaf protein extraction from some plants of northern India. J. Food Sci. Technol. [Mysore] 1(3):37-39. Ref. Oct. 1964. 389.8 J823
For food.
- 40320 STERZEL, C. Canned or deep frozen? (Ge) Verpackungs-Rundschau 16(8):952, 954. Aug. 1965. 280.38 V592
Food.
- 40321 THEVENOT, R. Refrigeration adjuvants. (Sp) Rev. Frio 9(1):27-36. Jan./Mar. 1964. 295.8 R324
English summary.
Food preservatives.
- 40322 THOMPSON, H. P. Review of freeze drying techniques. Int. Food Indus. Congr. Proc. 1964:33-37. 389.9 In836
- 40323 TRINCZEK, B. On the formation of important amounts of nitrite from nitrate-containing drinking water in the preservation of processed foods. (Ge) Z. Lebensmittel-Untersuchung - Forsch. 129(1):16-24. Ref. 1965. 384 Z39
- 40324 TUFTY, B. Radiation: food's new keeper. Sci. News Lett. 89(3):42-43. Jan. 15, 1966. 470 Sci24

- 40325 U. S. CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION. Price list, selective bibliography of Government research reports and translations. Food preservation by irradiation. Springfield, Va., 1965? 4 p. (Its SB-403, suppl.1) 241.64 Un322Ot
Supplements U. S. Office of Technical Services. OTS Selective Bibliography. Food Preservation by Irradiation.
- 40326 U. S. CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION. Price list, selective bibliography of Government research reports and translations. Food preservation (except by irradiation). Springfield, Va., 1965. 15 p. (Its SB-412, suppl.2) 241.64 Un3220
Supplements U. S. Office of Technical Services. OTS selective bibliography. Food preservation (except by irradiation).
- 40327 VERLOT. Applications of refrigeration in the supply of large cities. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.99-102. 389.9 F843
- 40328 WALTERS, A. H. Microbial resistance and food technology. Int. Food Indus. Congr. Proc. 1964:114-117. 389.9 In836
- 40329 WERY, J. Lyophilization of agricultural products. (Fr) Avenir Agr. 5:32-37. Sept./Oct. 1965. 14 Av32
Chiefly food.
- 40330 WOOD, F. Glucose syrups in food manufacture. Int. Food Indus. Congr. Proc. 1964:153-158. 389.9 In836
Includes discussion.
- 40331 ZEZZOS, R. Cold: natural and artificial. (It) Cronache Econ. 275/276:77-81. Nov./Dec.1965. 280.8 C882
Refrigeration history.
- 40339 BERLIN. STATISTISCHES LANDESAMT. Statistisches Jahrbuch, Berlin [Statistical yearbook, Berlin], 1965. Berlin, 1965. 368 p. 265 B4532
Includes a chapter on agriculture and forestry.
- 40340 COLOMBIA. DEPT. ADMIN. NACIONAL DE ESTADISTICA. Anuario general de estadística [General annual of statistics], 1963. Bogota, 1965. 861 p.,map. 255.5 C712A
Statistics include agricultural education, food prices, labor, and foreign trade.
- 40341 ESPIRITO SANTO. DEPT. ESTADUAL ESTADISTICA. Producao agricola [Agricultural production] 1962/64. Vitoria, 1965. 25 p. 255.3 Es6P
- 40342 FLORIDA. CROP AND LIVESTOCK REPORTING SERV. Florida agricultural statistics, 1964 issue. Tallahassee, 1964. 41 p.,map. 281.8 F65
- 40343 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Bodennutzung und Ernte. II. Landwirtschaftliche Feldfruchte und Grunland: Hulseenfruchternte [Land use and harvest. II. Agricultural field crops and grassland: legume harvest], 1965. Stuttgart, 1965. 7 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 1) 265 G318Vie
- 40344 GREAT BRITAIN. CENTRAL STATISTICAL OFF. Annual abstract of statistics, No. 102, 1965. London, 1965. 361 p. 256.03 T67U
Contains a section on agriculture and food.
- 40345 KRUMBIEGEL, D. Crop and weather report—review of the 1964 vegetation period. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 340:1-5. Feb.17, 1965. (JPRS 28,798) 173 J663Ste
Translation from Die Deutsche Landwirtschaft. 1(sup.). Jan.1965.
- 40346 LINZ. STATISTISCHES AMT. Statistisches Jahrbuch der Stadt Linz, 18. Jahrgang, 1964 [Statistical yearbook of the City of Linz, 18th year, 1964]. Linz, 1965. 202 p.,map. 266 L65
Contains a chapter on agriculture.
- 40347 LUXEMBOURG. SERV. CENTRAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. L'economie luxembourgeoise en 1964; previsions pour 1965 et 1966 [The Luxembourg economy in 1964; estimates for 1965 and 1966]. Luxemb. Serv. Cent. Statistique Etudes Econ. Cah. Econ. 35,165 p. July 1965. 280.9 L97
Agricultural statistics included.
- 40348 MARCU, C. Comparison of the production of field crops by means of a single indicator of the relative increase of cultivated acreage. (Rum) Rev. Statist. 14(4):31-37. Apr.1965. 267.8 St22
- 40349 MEDIN, K. Crop yield estimation and crop insurance in Sweden. Inst. Int. Statist. Rev. 33 (3):414-442. 1965. 251.8 In7
- 40350 NORTH DAKOTA. CROP AND LIVESTOCK REPORTING SERV. North Dakota weather-crop bulletin 1950-65. N. Dak. Crop Livestock Rep. Serv. Ag. Statist. 14,47 p.,map. Nov.1965. 2 N818A
Department of Agricultural Economics, North Dakota State University of Agriculture and Applied Science and Statistical Reporting Service, U. S. Department of Agriculture, cooperating.
- 40351 RAUCH, E. The development of plant production in the E.E.C. and Switzerland. (Ge) Grune 93(18):636-639. Apr.30,1965. 17 Sch9
Field crop area.
- 40352 SELECTED annual rural statistics: Australia. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 18(4):233-239. Oct.1965. 281.9 Au73
- 40353 SPAIN. INSTITUTO NACIONAL DE ESTADISTICA. Primer censo agrario de Espana, octubre de 1962 [First agricultural census of Spain, October 1962], 14, 23, and 25. Madrid, 1964. 3 v. 263 Sp14Pri
14, Cordoba; 23, Jaen; 25, Lerida.

STATISTICS

- 40332 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Rural production, year ended 31st March 1965. Adelaide, 1965. 6 p. 271.4 St2Ru
- 40333 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. BRISBANE OFF. Queensland agricultural statistics, year ended 31st March, 1965, No. 53, 1965. Brisbane, 1965. 4 p. 271.3 St2Qa
- 40334 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. TASMANIAN OFF. Number of farms, farm population, employment, machinery and irrigation, No. 60, 1965. Hobart, 1965. 5 p. 271.5 St2N
- 40335 AUSTRIA. STATISTISCHES ZENTRALAMT. Ergebnisse der landwirtschaftlichen Statistik im Jahre 1964 [Results of agricultural statistics in the year 1964]. Wien, 1965. 152 p. 266 St22
- 40336 AUSTRIA. STATISTISCHES ZENTRALAMT. Statistisches Handbuch fur die Republik Osterreich, XVI. Jahrgang, neue Folge [Statistical yearbook for the Austrian Republic, XVIth year, new series]. Wien, 1965. 540 p. 266 St22St
Agricultural statistics included.
- 40337 BARCELONA. CAMARA OFICIAL DE COMERCIO Y NAVEGACION. Memoria sobre el estado de los negocios y el movimiento comercial e industrial de Cataluna, ano 1964 [Report on the state of business and commercial and industrial movement of Catalonia, 1964]. Vol. 1-2, pt. 1. Barcelona, 1965. 2 v. 287 B23
Agricultural statistics included.
- 40338 BAVARIA. STATISTISCHES LANDESAMT. Die kreisfreien Stadte und Landkreise Bayerns in der amtlichen Statistik. 38. Regierungsbezirk Schwaben, Kreisfreie Stadt und Landkreis Nordlingen [The independent cities and districts of Bavaria in official statistics. 38. Administrative district Schwaben, independent city and district of Nordlingen]. Bayern Zahlen 19(6,sup.),24 p.,map. 265 B34
Includes agriculture and forestry.

- 40354 SWEDEN. STATISTISKA CENTRALBYRAN. Jordbruksstatistisk årsbok [Statistical yearbook of agriculture], 1965. Stockholm, 1965. 210 p. 257.3 St2J
Table of contents and summary also in English.
- 40355 SWEDEN. STATISTISKA CENTRALBYRAN. Statistisk årsbok för Sverige. Statistical abstract of Sweden. 1965, v. 52. Stockholm, 1965. 524 p. 257.3 St2Nc
Table of contents and some table headings also in English.
Includes agriculture.
- 40356 SYRIA. DIRECTORATE OF STATISTICS. Statistical abstract, 1964. Damascus, 1965. 414 p., map. 269.8 Sy8S
Agricultural statistics included.
- 40357 THAILAND. NATIONAL STATISTICAL OFF. Census of agriculture 1963. 78. Whole kingdom. Bangkok, 1965? 71 p. 269 Si123
- 40358 WASSERMAN, P., ALLEN, E., and GEORGI, C. Statistics sources; a subject guide to data on industrial, business, social, educational, financial, and other topics for the United States and selected foreign countries. Ed. 2. Detroit, Gale Res. Co., 1965. 387 p. Z7551.W3
Agricultural subjects included.
- 40359 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Anketa o seljackim gazdinstvima u 1963 [Survey of peasant holdings in 1963]. Yugoslavia. Savezni Zavod Statist. Bilten 353, 56 p. June 1965. 266.9 Sa9S
English contents, preface, notes, and table headings stapled in.
- 40360 YUGOSLAVIA. SAVEZNI ZAVOD ZA STATISTIKU. Rezultati popisa poljoprivrede 1960, prema programu svetskog popisa [Results of the census of agriculture 1960, according to the program of the World Census]. Yugoslavia. Savezni Zavod Statist. Bilten 352, 23 p. May 1965. 266.9 Sa9S
English contents, preface, notes, and table headings stapled in.
- BEVERAGES AND CONDIMENTS
- 40361 BARBERA, C. E. Utilization of coffee grounds. (Fr) Cafe, Cacao, The 9(3):206-218. Ref. July/Sept. 1965. 68.8 C112
English summary.
A review of literature.
- 40362 BARBIROLI, G. Sugar content of green and roasted coffees. (It) Rass. Chim. 17(6):261-263. Nov./Dec. 1965. 385 R18
- 40363 BARRIENTOS, A. NCA [National Coffee Association] campaign gives green trade a chance. Tea Coffee Trade J. 130(1):37. Jan. 1966. 68.8 T22
Advertising of coffee.
- 40364 BAVISOTTO, V. S., HANSEN, G. L., and LESNIEWSKI, R. Post-fermentation hopping of beer. Master Brewers Ass. Amer. Tech. Quart. 3(1):43-53. Jan./Mar. 1966. 390.9 M39T
- 40365 BHATIA, I. S., and DEB, S. B. Nitrogen metabolism of detached tea shoots. I.—Changes in amino-acids and amides of tea shoots during withering. J. Sci. Food Agr. 16(12):759-769. Ref. Dec. 1965. 382 S012
- 40366 BISHOP, L. R. Measurement of bitterness in beer. (Fr) Brasserie 19(215):228-231, 233-236, 238. Aug./Sept. 1964. 390.9 B734
Includes bitterness in hops.
- 40367 BLOMQUIST, V. H., KOVACH, E. I., and JOHNSON, A. R. Authentic vanilla extracts: comparison of analyses of commercial samples with their laboratory-prepared analogs. Ass. Offic. Agr. Chem. J. 48(6):1202-1211. Dec. 1965. 381 As7
- 40368 BORIO, L. L. Coffee is backbone of Brazil's economy. Tea Coffee Trade J. 130(1):36. Jan. 1966. 68.8 T22
Industry and trade.
- 40369 BORIO, L. L. Production and policies in Brazil. World Coffee Tea 6(9):59. Jan. 1966. 286.83 W89
For coffee.
- 40370 BRUGIERARD, M. Anomalies and discoveries about the wines of Roussillon in 1963. (Fr) Pyrenees-Orientale. Chambre Agr. Bull. Tech. 29:5-6. Mar. 1964. 14 F8462
- 40371 BUTANESCU, G., and BARBULESCU, A. Wine potential of the new wine center of Scornicesti-Arges. (Rum) Gradina, Via Livada 14(7):35-39. July 1965. 80 G75
Composition of wine.
- 40372 CANADA. BUR. OF STATISTICS. Wineries, 1963. Ottawa, 1966. 17 p. (Annual Census of Manufactures) 253 C335W
Includes consumption of grapes and other berries.
- 40373 CASH, N. E. "Best deal" of all is in television. Tea Coffee Trade J. 130(1):34, 50, 52, 54. Jan. 1966. 68.8 T22
Advertising for coffee promotion.
- 40374 CAWL, F. R. Outdoor advertising bolsters other media. Tea Coffee Trade J. 130(1):38, 40. Jan. 1966. 68.8 T22
Coffee; includes consumption.
- 40375 DEXTER, E. B. Price protection with hedging: a look back at 1965, forward to 1966. World Coffee Tea 6(9):46-47. Jan. 1966. 286.83 W98
For coffee and sugar.
- 40376 DRUCK, K. B. Public relations to woo coffee consumer. Tea Coffee Trade J. 130(1):32, 54-55. Jan. 1966. 68.8 T22
- 40377 DURLAND, J. NCA [National Coffee Association] meets challenge of consumption slump. Tea Coffee Trade J. 130(1):26, 57, 60. Jan. 1966. 68.8 T22
- 40378 FERRAO, J. E. M. Rules for preparing cacao. V. Drying and driers. (Por) Gaz. Agr. Angola 10(9):501-504. Sept. 1965. 24 G252
- 40379 FOIX, T. DE. Wine, healthful drink and necessary to the organism. (Sp) Cult. Mod. 48(7):253-254. July 1965. 15 C89
- 40380 FORNACHON, J. C. M., and LLOYD, B. Bacterial production of diacetyl and acetoin in wine. J. Sci. Food Agr. 16(12):710-716. Ref. Dec. 1965. 382 S012
- 40381 GAROGLIO, P. G. Technical progress in wine manufacture. (It) Agricoltura 14(9):52-56. Sept. 1965. 16 Ag8226
- 40382 GETZENDANER, M. E. Bromide residues from methyl bromide fumigations of cocoa beans, and processed fractions from fumigated beans. J. Agr. Food Chem. 14(1):56-58. Jan./Feb. 1966. 381 J8223
- 40383 GHERMAN, M. Causes of the formation of hydrogen sulfide in wine and methods of its prevention and elimination. (Rum) Rev. Gosp. Agr. Stat 17(9):14, 28. Sept. 1965. 21 R32
With sulfuric acid.
- 40384 GIORGIO, R. From individual sale to common one. (Fr) Coop. Agr. [Paris] 13(144):11-14. Jan. 1966. 280.28 C78972
Wine cooperatives in France.
- 40385 HEATH, H. B. Standardised spices. Int. Food Indus. Congr. Proc. 1964:143-149. 389.9 In836
- 40386 HILDEBRAND, R. P., and CLARKE, B. J. Hops and the brewing process. Brewers Dig. 40(6):58-67. Ref. June 1965. 390.8 B75
- 40387 HOUGH, J. S. Microbiology of continuous fermentation. Brewers Dig. 40(6):50-55. Ref. June 1965. 390.8 B75
- 40388 HYAMS, E. Dionysus; a social history of the wine vine. New York, MacMillan, 1965. 381 p., map. Ref. SB388.H88
History of viticulture and winemaking; includes the role of grapes and wine in culture and art.

- 40389 ILIESCU, L., BUTANESCU, G., and CONDEI, G. Wine potential of the grape variety Cabernet Sauvignon grown in vineyards of Dragasani and Simburesti. (Rum) Gradina, Via Livada 14(7):30-34. July 1965. 80 G75
English summary.
Composition of wine.
- 40390 JOURDAN, E., and RAMALANJAONA, G. Canes wine in Madagascar (betsabetsa); preparation—stabilization. (Fr) Agron. Trop. [Paris] 20(9):854-862. Sept. 1965. 26 Ag86
English summary.
Made from sugarcane.
- 40391 KASAI, T., and OBATA, Y. Volatile amines and sugars in konjak powder. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):145-147. 1966. 107.6 H682
English summary.
A condiment paste made from Hydrosme riveri.
- 40392 KING, H. B. The activities of the United States Brewers Association. Brewers Dig. 41(2):22, 24. Feb. 1966. 390.8 B75
- 40393 KULLAK-UBLICK, H. The tea industry in Ceylon. (Ge) Z. Ausländische Landwirt. 4(1):33-45, map. Feb. 1965. 281.8 Z32
- 40394 LAWRENCE, C. F. Promotion in vain without quality. Tea Coffee Trade J. 130(1):44. Jan. 1966. 68.8 T22
Coffee; includes consumer preferences.
- 40395 MASETTI-ZANNINI, G. L. Wine: Christian eulogies and legends. (It) Agricoltura 14(9): 57-60. Sept. 1965. 16 Ag8226
- 40396 MCKIERNAN, J. F. Industry promotions moving into orbit. Tea Coffee Trade J. 130(1):24, 62, 64. Jan. 1966. 68.8 T22
Coffee outlook and consumption.
- 40397 MERS, H. B. Transit advertising opens new markets. Tea Coffee Trade J. 130(1):30, 55-57. Jan. 1966. 68.8 T22
Coffee; includes prices.
- 40398 MONTANARI, V. Presentation of typical and fine wines of the Venices. (It) Agr. Venezia 19(6):273-288. June 1965. 16 Ag826
- 40399 MOSSINI, R. Enological itineraries; the path of Lambrusco. (It) Avvenire Agr. 73(6):147-148. June 1965. 16 Av9
- 40400 NADJ, L. J., and WEEDEN, D. G. Refractometric estimation of total fat in chocolate-type products. Anal. Chem. 38(1):125-126. Jan. 1966. 381 J825A
- 40401 NAKAGAWA, M., and TORII, H. Studies on the flavanols in tea. 4. (Ja) Jap. Tea Res. Sta. Stud. Tea 31:106-113. Ref. Nov. 1965. 68.18 Ok3
English summary.
- 40402 NEWTON, K. Cocoa drying with the Lister moisture extraction unit. Addendum: drying trial on an 800 sq. ft. floor. Papua New Guinea Agr. J. 17(3):109-116. Aug. 1965. 23 N453
- 40403 NICKERSON, G. B., and LIKENS, S. T. Gas chromatographic evidence for the occurrence of hop oil components in beer. J. Chromatography 21(1):1-5. Jan. 1966. 475 J824
- 40404 POLETTI, E. Hymn to Sardinian wine production. (It) Rass. Agr. Ital. 20(12):33. Dec. 1965. 281.8 R18
Types.
- 40405 ROBINSON, J. L. Why Burns joined Blaw-Knox; great opportunities for research to improve coffee, tea equipment. Tea Coffee Trade J. 130(1):46-48. Jan. 1966. 68.8 T22
Processing equipment.
- 40406 SAPIN, R. Principal management rules for wine cooperatives. (Fr) Coop. Agr. [Paris] 12(136):15-16. May 1965. 280.28 C78972
- 40407 SCHLUTER, G. E. The voiceless ones; coffee's great untapped potential? World Coffee Tea 6(9):88, 90. Jan. 1966. 286.83 W89
Coffee policy.
- 40408 SHROPSHIRE, R. C. Why tea swims while coffee sinks. Tea Coffee Trade J. 130(1):19, 71-73. Jan. 1966. 68.8 T22
Advertising and outlook of U. S. tea industry.
- 40409 SINGLETON, V. L., MARSH, G. L., and COVEN, M. Identification of ellagic acid as a precipitate from loganberry wine. J. Agr. Food Chem. 14(1):5-8. Ref. Jan./Feb. 1966. 381 J8223
- 40410 SOMERS, T. C. Wine tannins— isolation of condensed flavonoid pigments by gel-filtration. Nature [London] 209(5021):368-370. Ref. Jan. 22, 1966. 472 N21
- 40411 SOUZA, H. S. R. DE. Cooperation in Brazilian wine production. (Por) Lavoura 66:6. July/Sept. 1963. 9.2 L39
- 40412 THOMPSON, T. S. High price causing lag in consumption. Tea Coffee Trade J. 130(1):28, 60, 62. Jan. 1966. 68.8 T22
Coffee; includes advertising.
- 40413 TOVAR, F. M. Coffee price and 'differential' concern Colombians after congress. Tea Coffee Trade J. 130(1):67. Jan. 1966. 68.8 T22
- 40414 TRAN HIEU ANH. The problem of diacetyl in brewing. (Fr) Brasserie 20(229):338-339, 341-342, 344, 346, 348-349, 351-352. Ref. Dec. 1965. 390.8 B734
- 40415 URION, E. The role of statistics in controls and studies in brewing and malting. (Fr) Brasserie 19(218):333-334, 336-337. Dec. 1964. 390.9 B734
- 40416 VAZ, J. T. Coffee speaks Portuguese. (Por) Gaz. Agr. Angola 10(9):490-492, map. Sept. 1965. 24 G252
Industry in Angola.
- 40417 VENETZ, J. Methods of protecting the quality of Valais wines. (Fr) Ann. Agr. 4:73, 75-76. 1964/65. 17 An73
- 40418 WICKREMASINGHE, R. L., and SWAIN, T. Studies of the quality and flavour of Ceylon tea. J. Sci. Food Agr. 16(1):57-64. Ref. Dec. 1965. 382 So12
- 40419 ZITZ, J. Promotion with an added sales wallop. Tea Coffee Trade J. 130(1):42-43. Jan. 1966. 68.8 T22
Coffee; includes consumer preferences.

DAIRY PRODUCTS

- 40420 APARICIO GALLEGO, M. Training of dairy specialists in Germany. (Sp) Rev. Espan. Leche. 55:9-13. Mar. 1965. 44.8 R325
- 40421 AUSTRALIA, DAIRY PRODUCE BOARD. Fortieth annual report for the year ended 30th June 1965. Melbourne, 1965. 72 p. 44.9 Au72
Includes statistics.
- 40422 BARCOS, M. Dairy industry in Spain. (Ge) Milchwissenschaft 20(11):571-574. Nov. 1965. 44.8 M5933
English summary.
- 40423 BIANCHINI, P. Milk and dairy products in Community regulations; Italian position. (It) Ital. Agr. 102(7):567-588. July 1965. 16 It1
European Economic Community.
- 40424 BROWN, D. Dairying in Bavaria through the eyes of a British student. Milk Indus. 58(1): 38-39. Jan. 1966. 44.8 M593
- 40425 CASALIS, J. The chair and laboratory of dairy science at the Douai center of the National Higher School of Agricultural and Food Industries [Ecole Nationale Supérieure des Industries Agricoles et Alimentaires]. (Fr) Indus. Lait. 227:612-614. Dec. 1965. 44.8 In2
- 40426 DOWNES, T. E. H. Recent developments in the dairy industry overseas. Dairy Indus. J. Southern Afr. 5(3):127-130, 133, 135-136. July/Sept. 1965. 44.8 D1428
Includes discussion.

- 40427 EMEL'YANOV, A. S. Organization and technique of high-productive dairy industry in districts of northwest zones of Russian Soviet Federated Socialist Republic. (Rus) Zhivotnovodstvo 1:18-22. Jan.1966. 49 Z6
- 40428 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. Interim report; the economic impact of dairy development in developing countries. Food Agr. Organ. UN. CCP (Comm. Commod. Probl.) 65/9/3,51 p. Apr.20,1965. 389.9 F7354Ci
Thirty-eighth session.
- 40429 FORKER, O. D. Economic adjustments for California's manufactured-dairy-products industry. Calif. Agr. Exp. Sta. Bull. 816,62 p., map. Ref. Aug.1965. 100 C12S
- 40430 FRANCO-Spanish Dairy Friendship Sessions [Jornadas de Amistad Lechera Franco-Espanola]. (Sp) Rev. Espan. Leche. 56:57-79. June 1965. 44.8 R325
Held May 28-June 1, 1965, in Madrid.
- 40431 HARRIS, H. M., and WILSON, L. Milk quota transfers. Highlights Agr. Res. [Ala. Sta.] 12 (4):12. Winter 1965. 100 AL1H
Production quotas.
- 40432 HENRIKSEN, P. K. World review of dairying. Int. Dairy Fed. Annu. Bull. 1965(5):91-129. 44.9 In82A
Milk and dairy products situation. Includes discussion.
- 40433 HOPPE, G., and STEINERT, H. J. Education of technicians for the dairy industry. (Ge) Deut. Molk.-Zeitung 86(48):1898-1901. Dec.2,1965. 44.8 Su2
- 40434 HOPPE, G., and KIERMEIER, F. Inclusion of biological courses in dairy training, of dairy technology in food technology training and of dairy education in agricultural faculties. Int. Dairy Fed. Annu. Bull. 1965(4):4-19. 44.9 In82A
- 40435 KEILLING. Development of dairy problems in France. (Sp) Rev. Espan. Leche. 56:76-79. June 1965. 44.8 R325
- 40436 KLETT. Cheese, bread, and wine are a trio of complete harmony. (Ge) Molk.-Kaserei-Zeitung 16(20):746-747. May 19,1965. 44.8 M736
Address at the opening of the 1965 German Cheese Show.
- 40437 KULLE, H. The Process cheese industry—a part of the German dairy industry. (Ge) Deut. Molk.-Zeitung 87(1):8-9. Jan.5,1966. 44.8 Su2
- 40438 MARRE, R. A. Brazil and its dairy industry situation. (Sp) Indus. Leche. 47(553/554):243-245. Aug./Sept.1965. 44.8 In26
- 40439 MITCHELL, W. D. Dairy ready reference. Queensland Agr. J. 91(11):662-665. Nov.1965. 23 Q33
- 40440 MITTAINE, J. The French cheese industry, its problems and industrial relations. (Sp) Rev. Espan. Leche. 56:73-75. June 1965. 44.8 R325
- 40441 NATIONAL MILK PRODUCERS FEDERATION. A dairy policy—1965; being the resolutions passed by the forty-eighth annual convention in Las Vegas, Nevada, December 6 to 10, 1964. Washington, D. C., 1965. 37 p. 281.3449 N213
- 40442 NEBE, T. The promotion of dairy structure through the Community. (Ge) Deut. Molk.-Zeitung 87(2):39-41. Jan.1966. 44.8 Su2
- 40443 NEITZKE, A., and PANSKUS, K. Hints on the practical establishment of firm supervision. (Ge) Deut. Molk.-Zeitung 86(49):1933-1938. Dec.9,1965. 44.8 Su2
- 40444 OPPENHEIM, J. F. French-Spanish dairy exchanges. (Fr) Indus. Lait. 227:616-622. Dec. 1965. 44.8 In2
Cooperation.
- 40445 PASQUIER, J. The era of the large-scale unit has begun for the Swiss dairy industry. (Fr) Ann. Agr. 4:27,29,31. 1964/65. 17 An73
- 40446 PLAJA, B., RUBIO, C., and MARCOS CECILIA, J. M. Study on milk industrialization in Spain. (Sp) Rev. Espan. Leche. 56:62-72. June 1965. 44.8 R325
- 40447 ROBERTS, J. B. Kentucky dairy industry facts. Ky. Agr. Exp. Sta. Progr. Rep. 156,31 p.,map. Sept.1965. 100 K41Pr
- 40448 SOLT, I. The development and tasks of the dairy industry. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:64-74. Oct.27,1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Hungary.
Translation from Elelmezési Ipar 6:161-165. June 1965.
- 40449 SOME initial results of the Australian dairy industry survey 1961-62 to 1963-64. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 18(4): 214-229. Oct.1965. 281.9 Au73
- 40450 SVENSKA mejerikalendern [The Swedish dairy calendar], 1966, v.30. Stockholm, 1965. 194 p. 44.8 Sv22
- 40451 TOWNE, E. E. The future of new England dairying. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:11-14. 1965. 44.9 V593
- 40452 VERMONT DAIRY INDUSTRY ASSOCIATION. [Directory]. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:52-58. 1965. 44.9 V593
- 40453 VERMONT DAIRY INDUSTRY ASSOCIATION. Papers presented at the forty-fourth annual conference, the University of Vermont, Burlington, Vermont, September 8 and 9, 1965. n. p., 1965. 58 p. 44.9 V593
Department of Animal and Dairy Science, University of Vermont, cooperating.
- 40454 VIRGINIA STATE DAIRYMEN'S ASSOCIATION. Fifty-ninth annual convention, January 20 and 21, 1966, Richmond, Virginia. n. p., 1966. 106 p. 44.9 V81A
- Analysis and Composition
- 40455 ALAIS, C. New physical methods for the simultaneous determination of solids-not-fat and fat in milk. (Fr) Indus. Lait. 227:624-630. Dec.1965. 44.8 In2
- 40456 ARCHAMBAULT, J., CAPRIOLI, T., and MAC-NAB, A. G. Bacteriological quality of ice cream. Can. Dairy Ice Cream J. 45(1):16-18. Jan.1966. 44.8 C162
- 40457 BACH, I. Samples for the analysis in the control of quality of milk and dairy products. (Se) Mljekarstvo 15(8):183-186. (Cont.) Aug.1965. 44.8 M694Ac
English summary.
- 40458 BAIRD-PARKER, A. C., and DAVENPORT, E. The effect of recovery medium on the isolation of Staphylococcus aureus after heat treatment and after the storage of frozen or dried cells. J. Appl. Bact. 28(3):390-402. Ref. Dec.1965. 448.39 So12
Isolated from milk.
- 40459 BAKALOR, S. Rapid methods for the determination of the fat content of milk 1955-1964. Dairy Sci. Abs. 28(1):1-4. Ref. Jan.1966. 241 Im76
Literature review.
- 40460 BARNUM, H. J. Sampling is hauler's responsibility. Mod. Milk Hauler 6(3):10-11. Jan. 1966. 280.38 M72
- 40461 BERTOLANI, G. Considerations on the solids-not-fat value of milk. (It) Latte 19(2):117-118. Feb.1965. 44.8 L35
- 40462 BHALERAO, V. R., and IYA, K. K. The chemistry and technology of milk concentrates. J. Food Sci. Technol. [Mysore] 1(3):46-53. Ref. Oct.1964. 389.8 J823
- 40463 BONI, A. L. Rapid ion exchange analysis of radiocesium in milk, urine, sea water, and environmental samples. Anal. Chem. 38(1):89-92. Jan.1966. 381 J825A

- 40464 BULLOCK, D. H. A preliminary study of a new low-fat dairy spread. *Can. Dairy Ice Cream J.* 45(1):26-29. Jan.1966. 44.8 C162
- 40465 BURDEN, E. H. W. J., and others. Some applications of the auto-analyzer to quality control. *Int. Food Indus. Congr. Proc.* 1964 123-125. 389.9 In836
S. M. Herschdoerfer, E. Neil, Mrs. A. V. Stagg, and P. S. Ward, joint authors.
In ice cream manufacture.
- 40466 CASADO CIMIANO, P. Chaos in milk acidity tests. (Sp) *Indus. Lacteas* 14(8):18-19. Sept. 1965. 286.85 In83
- 40467 DONNELLY, C. B., PEELER, J. T., and BLACK, L. A. Evaluation of state central milk laboratories by statistical analyses of standard plate counts. *J. Milk Food Technol.* 29(1):19-24. Jan.1966. 44.8 J824
- 40468 EISSES, J. Specification for amyl alcohol for the Gerber test. *Ned. Melk- Zuiveltijdschr.* 19(3):165-190. Ref. July/Sept.1965. 44.8 N283
For milk fat determination.
- 40469 FEAGAN, J. T. The detection of antibiotic residues in milk. *Dairy sci. Abs.* 28(2):53-60. Ref. Feb.1966. 241 Im76
Literature review.
- 40470 GHOSH, S. N., and ANANTAKRISHNAN, C. P. The composition of milk. VI. The relationship between milk constituents. *Indian J. Dairy Sci.* 18(2):49-53. Ref. June 1965. 44.8 In28
Study of fat and solids-not-fat.
- 40471 GIRARD, M. L., ROUSSELET, F., and ADDA, J. Application of atomic absorption spectrophotometry to determination of copper in butters. (Fr) *Chim. Analyt.* 47(12):627-630. Dec. 1965. 383 An72
- 40472 GIROUX, R. N. Definition of milk fat as a function of the composition of fatty acids. (Fr) *Quebec Lait. Aliment.* 25(1):16-19. Jan.1966. 44.8 Q3
- 40473 GRUNER, M. A contribution to the study of the composition of Trappist cheese on the markets of Zagreb. (Se) *Mljekarstvo* 15(5):113-118. (Cont.) May 1965. 44.8 M694Ac
- 40474 GUYOT, A. L., and PIRAUX, E. F. Phase of gas-liquid chromatography of principal fats and edible oils. General remarks concerning the adulteration of butter by means of many of these fats. (Fr) *Gembloux. Inst. Agron. Etat. Bull.* 33(1):79-97. 1965. 105.1 G285
English summary.
- 40475 HAYASHI, S., ERICKSON, D. R., and SMITH, L. M. Membranous material of bovine milk fat globules. I-II. *Biochemistry* 4(12):2550-2565. Ref. Dec.1965. 381 B523
- 40476 JOHNS, C. K. Evaluating sanitary milk production. *Can. Dairy Ice Cream J.* 45(2):14-16. Ref. Feb.1966. 44.8 C162
Bacterial analysis.
- 40477 JONES, S. W., WILKIE, J. B., and LIBBY, D. A. Modification of the USP chemical method for determining vitamin D in evaporated milk. *Ass. Offic. Agr. Chem. J.* 48(6):1212-1217. Dec.1965. 381 As7
- 40478 JORGENSEN, H. Bitty cream in milk. (Du) *Maelkeritidende* 79(3):55-57. Jan.21,1966. 44.8 M26
Bacillus cereus.
- 40479 JOVIC, R. A contribution to the study of protein fractions of milk. (Se) *Mljekarstvo* 15(1):9-15. Ref. Jan.1965. 44.8 M694Ac
French summary.
- 40480 KIERMEIER, F., and RENNER, E. On the use of the reductase test in various European countries. (Ge) *Milchwissenschaft* 20(12):641-646. Ref. Dec.1965. 44.8 M5933
English summary.
For milk.
- 40481 KIM, Y. K., ARIMA, S., and HASHIMOTO, Y. Sialic acid in milk. II. Sialic acid content and its variation in bovine colostrum. *Jap. J. Zootech. Sci.* 37(1):32-41. Ref. Jan.1966. 49 N62
- 40482 LABOTS, H., HUP, G., and GALESLOOT, T. E. *Bacillus cereus* in raw and pasteurized milk. III. On the contamination of raw milk with *B. cereus* spores during milking. (Du) *Ned. Melk- Zuiveltijdschr.* 19(3):191-221. Ref. July/Sept.1965. 44.8 N283
English summary.
- 40483 MARCIL, R. Research on coli bacillus. (Fr) *Quebec Lait. Aliment.* 25(1):12-13. Jan.1966. 44.8 Q3
In milk and products.
- 40484 MILOHNOJA, M., and PIRIH, D. Microbiological analysis of the butter. I. (Se) *Mljekarstvo* 15(3):49-53. Mar.1965. 44.8 M694Ac
- 40485 MOONEY, R. P., and PASARELA, N. R. A thin-layer chromatographic procedure for the determination of hydrocortisone acetate and alcohol residues in milk. *J. Agr. Food Chem.* 14(1):12-15. Jan./Feb.1966. 381 J8223
Used in treatment of mastitis in dairy cattle.
- 40486 MOOR, H. DE, and HENDRICKX, H. The mechanism of light-flavour formation in milk. III. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(2):561-576. Ref. 1965. 105.1 G344
English summary.
- 40487 MOOR, H. DE, DEVOGELAERE, R., and HENDRICKX, H. A semi-automatic method for the determination of the free amino acids in milk by means of the ion-exchange resin Amberlite IR-120. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(1):363-392. Ref. 1965. 105.1 G344
English summary.
- 40488 MORRISON, W. R., JACK, E. L., and SMITH, L. M. Fatty acids of bovine milk glycolipids and phospholipids and their specific distribution in the diacylglycerophospholipids. *Amer. Oil Chem. Soc. J.* 42(12):1142-1147. Ref. Dec. 1965. 307.8 J82
- 40489 NIKI, T., and SUKEGAWA, K. Studies of the antibody produced in milk. 1-2. (Ja) *Jap. Soc. Food & Nutr. J.* 17(6):64-75. Ref. 1965. 389.9 J27
English summary.
- 40490 PAL, R. N., and SINHA, M. N. Studies on bacteriological quality of market milk in Ludhiana City. *Indian J. Dairy Sci.* 18(2):79-82. Ref. June 1965. 44.8 In28
- 40491 PEEREBOOM, J. W. C. A system of micro-starch gel electrophoresis as applied to the separation of milk proteins. *Ned. Melk- Zuiveltijdschr.* 19(3):234-241. Ref. July/Sept. 1965. 44.8 N283
- 40492 RAO, G. N. Mechanism and factors affecting certain screening tests for detection of mastitis milk. *Diss. Abs.* 26(7):3617-3618. Jan.1966. 241.8 M58
- 40493 SCHNEIDER, R., and JASPER, D. E. Some factors responsible for variation in counting somatic cells on Prescott-Breed smears of milk. *J. Milk Food Technol.* 29(1):5-9. Jan.1966. 44.8 J824
Microscopic tests.
- 40494 SCHOBER, R., and NICLAUS, W. A photometric method of protein determination for the ascertainment of the solubility of milk powders. (Ge) *Milchwissenschaft* 20(12):631-634. Dec. 1965. 44.8 M5933
English summary.
- 40495 SENFT, B., GROCHOWALSKI, K., and CIESLAR, P. Research on the use of the "Milkotester" in milk fat determination. (Ge) *Milchwissenschaft* 20(11):594-596. Nov.1965. 44.8 M5933
English summary.
- 40496 SHAW, A. A., and NAMBU DRIPAD, V. K. N. Bacteriological quality of milk obtained by different methods of milking. *Indian J. Dairy Sci.* 18(2):83-86. Ref. June 1965. 44.8 In28
- 40497 SKRINJAR, D. Determination of the quality of milk on the delivery ramp of milk plants with pH testing equipment. (Se) *Mljekarstvo* 15(8):186-191. (Cont.) Aug.1965. 44.8 M694Ac

- 40498 SYVAOJA, E. L., and VIRTANEN, A. I. Fractionation of milk proteins, especially of milk produced on protein-free feed with urea and ammonium salt as the sole source of nitrogen. *Enzymologia* 29(3/5):205-220. Ref. Nov.6, 1965. 390.08 En9
- 40499 TATINI, S. R., DABBAH, R., and OLSON, J. C. Interrelationships among some bacteriological methods used for the examination of farm bulk tank milk supplies. *J. Milk Food Technol.* 28(12):368-371. Ref. Dec.1965. 44.8 J824
- 40500 THOMAS, S. B., DRUCE, R. G., and DAVIES, A. The significance of psychrotrophic bacteria in raw milk. *Dairy Indus.* 31(1):27-32. Ref. Jan.1966. 44.8 D1427
- 40501 TIMASHEFF, S. N., and SUSI, H. Infrared investigation of the secondary structure of beta-lactoglobulins. *J. Biol. Chem.* 241(1):249-251. Jan.14,1966. 381 J824
- 40502 U. S. PUBLIC HEALTH SERV. DIV. OF RADIOLOGICAL HEALTH. Application of radionuclide concentrations in milk to intake guides, April 1964-March 1965. *Radiol. Health Data* 6(7):364-366. July 1965. 151.65 R11
- 40503 VANDERZANT, C., and MATTHYS, A. W. Effect of temperature of the plating medium on the viable count of psychrophilic bacteria. *J. Milk Food Technol.* 28(12):383-388. Ref. Dec. 1965. 44.8 J824
Dairy products.
- 40504 VAN DOORN, C. J. Spreadability desirable in properties of butter. (Af) *Dairy Indus. J. Southern Afr.* 5(3):121,123-126. July/Sept. 1965. 44.8 D1428
- 40505 VERMA, I. S., and GARG, B. M. L. Effect of temperature on the volume of milk. *Indian J. Dairy Sci.* 18(2):72-78. June 1965. 44.8 In28
Includes testing equipment.
- 40506 WAES, G., and NAUDTS, M. Contribution to the study of the influence of penicillin on the time of discoloration of methylene blue, the number of germs and content of raw milk coli. (Fr) *Rev. Agr. [Brussels]* 18(11/12):1401-1411. Nov./Dec.1965. 13 R322
- 40507 WILSON, L. F. Control aspects. *Australian Soc. Dairy Technol. Tech. Publ.* 17:33-39. 1965. 44.9 Au74
For quality.
Includes discussion.
- Consumption and Utilization
- 40508 CRITTALL, G. C., and NICHOLS, L. E. Some new uses for butterfat and skim milk powder. *Australian J. Dairy Technol.* 20(4):206-209. Dec.1965. 44.8 Au74
- 40509 O'CONNELL, P. A look at low milk consumption in Chicago schools. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 10:11-21, map. Nov.1965. 281.9 IL62B
- 40510 POTTER, F. M. Consumer reaction to a canned milk concentrate. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 10:34-38. Nov.1965. 281.9 IL62B
- Distribution, Marketing, and Transportation
- 40511 APLIN, R. D. New arrangements in marketing milk—causes and effects. *Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.*:15-23. 1965. 44.9 V593
- 40512 BARTLETT, R. W. A preliminary economic analysis of the federal milk order program. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 11:19-41, map. Dec.1965. 281.9 IL62B
Includes statistics.
- 40513 BERREBI, H. Transportation and storage of powdered milk. (Fr) *Indus. Lait.* 222:321-322. June 1965. 44.8 In2
- 40514 BOWLER, R. P. Ingenuity adds payload to truck. *Amer. Dairy Rev.* 28(2):109. Feb.1966. 44.8 Am38
In dairy industry.
- 40515 COQUET, J. The supplying of a large center for wholesale trade in dairy and poultry products. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.159-161. 1965. 389.9 F843
- 40516 DAVIES, T. L. A co-ordinated voice for Ont. milk distributors. *Can. Dairy Ice Cream J.* 45(1):32. Jan.1966. 44.8 C162
Association.
- 40517 DJORDJEVIC, M. Production and marketing of milk. (Se) *Mljekarstvo* 15(1):15-21. (Cont.) Jan.1965. 44.8 M694Ac
- 40518 DJORDJEVIC, M. Production and marketing of milk. (Se) *Mljekarstvo* 15(2):39-42. (Cont.) Feb.1965. 44.8 M694Ac
- 40519 FAUNDEZ F., O. H. Agricultural and Dairy Cooperative of Valdivia Ltd. [Cooperativa Agricola y Lechera de Valdivia Ltda.]. (Sp) *Indus. Lacteas* 14(8):7-9. Sept.1965. 286.85 In83
- 40520 FRANKOVIC, T. L. The potential of single-strength sterilized milk products. *Ill. Univ. Coll. Agr. Dept. Agr. Econ. Bull.* 8:26-29. Dec. 1964. 281.9 IL62B
Marketing.
- 40521 GANSKOPF, K. W. Milk supplying to Lisbon through the UCAL [Union of Cooperatives Supplying Milk to Lisbon, Uniao das Cooperatives Abastecedoras de Leite de Lisboa]. (Ge) *Milchwissenschaft* 20(11):565-570, map. Nov.1965. 44.8 M5933
English summary.
- 40522 GRAF, T. F. Market potential for canned milk concentrate. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 10:25-33. Nov.1965. 281.9 IL62B
- 40523 GUERALT, A. M. Promotion of milk and dairy products in developing countries and in those which do not have the talent for dairy industry. (Fr) *Int. Dairy Fed. Annu. Bull.* 1965(5):130-147. 44.9 In82A
English summary.
Includes discussion.
- 40524 GUNDLACH, G. B. The revival fo retail route selling. *Southern Dairy Prod. J.* 78(2):18. Feb. 1966. 44.8 So83
Milk delivery.
- 40525 HANGER, P. N. Illinois regulations explained: haulers expected to measure up. *Mod. Milk Hauler* 6(3):12. Jan.1966. 280.38 M72
- 40526 HENDERSON, P. L. Measuring effects of varying levels of advertising investments on sales of fluid milk. *Amer. Statist. Ass. Bus. Econ. Statist. Sect. Proc.* 1965:218-226. 251 Am322
- 40527 INTERNATIONAL DAIRY FEDERATION. Sales promotion of milk and milk products, Report of a seminar held in Brighton (U.K.), 29-31, October 1964. *Int. Dairy Fed. Annu. Bull.* 1965(5),253 p. 44.9 In82A
Text also in French.
Includes general discussion.
- 40528 KAHN, G. N. Smooth selling. *Southern Dairy Prod. J.* 78(2):42,44,48. Feb.1966. 44.8 So83
- 40529 LABLANCHY, A. Total merger of cooperatives in one union. (Fr) *Coop. Agr. [Paris]* 12(143):15-17. Dec.1965. 280.28 C78972
Chiefly milk cooperatives in France.
- 40530 LASLEY, F. A., and WHITTED, S. F. Cost factors in milk assembly (bulk or can handling). *Mo. Agr. Exp. Sta. Res. Bull.* 884,60 p. Mar. 1965. 100 M693
- 40531 LONGUE, E. French gastronomy and milk propaganda. (Fr) *Tech. Lait.* 509:17-18. Feb.10,1966. 44.8 Of2
- 40532 MANITOBA. MILK CONTROL BOARD. Annual report, October 1, 1964-September 30, 1965. Winnipeg, 1966. 19 p. 280.3449 M31
Marketing regulation and price control.

- 40533 METZGER, H. B., and CLARKE, J. H. Reducing the frequency of home delivery of milk. Maine. Agr. Exp. Sta. Bull. 637,34 p. Aug.1965. 100 M28S
Northeast Regional Research Publication.
- 40534 MOHR, F. Supplying of the Copenhagen metropolitan area with fresh milk and cream: problems and future prospects. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.209-211. 1965. 389.9 F843
- 40535 MURPHY, F. D. Sales promotion outlets and good selling through to the consumer. Int. Dairy Fed. Annu. Bull. 1965(5):196-209. 44.9 In82A
In Canada.
Includes discussion.
- 40536 QUACKENBUSH, G. G. Milk beverage consumption patterns. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 9:24-29. Dec.1964. 281.9 IL62B
- 40537 RAFFARIN. Producers and the marketing of dairy products. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.212-213. 1965. 389.9 F843
- 40538 ROSENFELD, P. The possible promotion of milk consumption in warm countries by the use of sterilized milk. Int. Dairy Fed. Annu. Bull. 1965(4):20-26. 44.9 In82A
- 40539 RUPPERT, E. L., TAYLOR, D. W., SCHLAFMAN, I. H. The interstate milk shipper certification program—a cooperative accomplishment. J. Milk Food Technol. 28(12):379-382. Dec.1965. 44.8 J824
- 40540 SASKATCHEWAN. MILK CONTROL BOARD. Annual report, 1965. Regina, 1966. 14 p. 280.3449 Sa7
Marketing statistics.
- 40541 SHAFER, C. E., and PIERCE, C. W. Bulk assembly in the outer limits of the Philadelphia milkshed. Penn. Agr. Exp. Sta. Bull. 726,31 p., map. Aug.1965. 100 P381
Milk assembly costs.
- 40542 SHOULD voluntary base plans be used to aid in reducing milk surpluses?—Panel discussion. 1. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 9:30-45. Dec.1964. 281.9 IL62B
Panel members: A. L. McWilliams, P. S. Hardiman, K. Wallace, and H. E. Hartley.
- 40543 SPEAKMAN, W. G. Planning a campaign. Int. Dairy Fed. Annu. Bull. 1965(5):210-241. 44.9 In82A
For promotion of dairy industry: policies.
Includes discussion.
- 40544 STRAUSS, E. Role of the Dairy Products Marketing Office in the supplying of urban centers with consumer milk. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.204-208. 1965. 389.9 F843
Great Britain.
- 40545 THOM, E. Controlled outlets. I. Ice Cream Rev. 49(6):M2-M3. Jan.1966. 389.8 Ic22
Dairy products marketing.
- 40546 WESTERN AUSTRALIA. MILK BOARD. Report, 1965. Perth, 1965. 22 p. 44.9 W523
- 40547 WHAT changes are needed in federal milk marketing orders: panel discussion. 1-3. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 11:5-18. Dec. 1965. 281.9 IL62B
Panel members: J. Reeves, O. M. Reed, and D. E. Hirsch.
- 40548 WILLIAMS, S. W. Private-label dairy products in food stores. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 10:5-10. Nov.1965. 281.9 IL62B
- 40550 FOLEY, J. Antibiotics in milk—a review. Irish Agr. Creamery Rev. (n.s.)19(385):11-13. Ref. Jan.1966. 44.8 C866
- 40551 FRANK, H., and SCHRAYDT, E. Dyed antibiotics for the treatment of mastitis from the point of view of dairy practice and veterinary medicine. (Ge) Milchwissenschaft 20(12):647-656. Ref. Dec.1965. 44.8 M5933
English summary.
- 40552 GREENBERG, A. E., and others. Radiostrontium in California milk, January 1960 through June 1963. Radiol. Health Data 6(7):367-370, map. July 1965. 151.65 R11
A. C. Cornish, G. S. Uyesugi, and J. M. Heslep, joint authors.
Contamination.
- 40553 HAAS, M. Symptomatology of microbiological contamination in creameries by poor quality water. (Ge) Milchwissenschaft 20(12):630-641. Dec.1965. 44.8 M5933
English summary.
Butter contamination.
- 40554 HARTL, H. New products and presentation of products. Int. Dairy Fed. Annu. Bull. 1965(5):166-195. 44.9 In82A
Improve quality of dairy products.
Includes discussion.
- 40555 HEINEMAN, H. E. O. Interpretations of the current pesticide-residue situation in the dairy industry. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 10:22-24. Nov.1965. 281.9 IL62B
- 40556 IRVINE, O. R., BEACH, M. E., and BURNETT, K. A. Laboratory tests on fresh Cheddar cheese as indices of quality. Can. Dairy Ice Cream J. 45(2):20-22. Feb.1966. 44.8 C162
Grading.
- 40557 LOEFFLER, W. W., and others. Extent of residues in milk resulting from use of Guthion-treated forage. J. Agr. Food Chem. 14(1):46-47. Jan./Feb.1966. 381 J8223
G. W. Trimberger, F. H. Fox, R. L. Ridgeway, D. J. Lisk, and G. G. Gyrisco, joint authors.
- 40558 LOMBARD, S. H. A score-card for judging skim milk powder at shows. Dairy Indus. J. Southern Afr. 5(3):141-143. July/Sept.1965. 44.8 D1428
- 40559 LOPEZ GONZALEZ, A. R. Milk standardization. (Sp) Indus. Leche. 47(553/554):247. Aug./Sept.1965. 44.8 In26
Argentina.
- 40560 LUCK, H., and HERMANN, M. N. General aspects of the purchase of milk on a hygienic quality basis. Dairy Indus. J. Southern Afr. 5(3):103,105,107,109,111. Ref. July/Sept.1965. 44.8 D1428
- 40561 MALNATI, J. J. A "99" rating is possible. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:41. 1965. 44.9 V593
Of milk.
- 40562 MCLAREN, J. Payment of market milk on a compositional basis. Tasmanian J. Agr. 36(4):267-271. Nov.1965. 23 T182T
- 40563 MCRAE, K. J. Milk meters prove themselves for bulk collection. Dairy Indus. 31(1):34-35. Jan.1966. 44.8 D1427
Scotland.
- 40564 MOOR, H. DE. Light flavor, oxidation flavor, and rancidity flavor in milk. (Fl) Land-Tuinbouw Jaarboek 20:93-101. 1965. 13 L22
- 40565 MULDER, H. French cheese; opinion of a foreigner. (Fr) Indus. Lait. 222:317-319. June 1965. 44.8 In2
Chiefly quality.
- 40566 PALMER, J. C. Milk quality and preincubation in Ontario. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:33-40. 1965. 44.9 V593
- 40567 PANGBORN, R. M. Techniques for sensory evaluation of milk products. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 8:10-19. Dec.1964. 281.9 IL62B

Grading, Inspection, Standardization, and Quality

- 40549 BELL, M. The causes of milk allergies. Town Milk 13(4):13-15. Nov.1965. 44.8 T66

- 40568 PETRICIC, A. Harmful substances and micro-organisms in the milk and dairy products. (Se) *Mljekarstvo* 15(1):4-9. Jan.1965. 44.8 M694Ac
Chiefly antibiotics, and insecticides.
- 40569 SCHWARZ, G., and CIBLIS, E. Contribution to the determination of the keeping quality of sour cream butter stored in the refrigerator plant. (Ge) *Molk.-Kaserei-Zeitung* 16(16):605-610, 612. Ref. Apr.21,1965. 44.8 M736
- 40570 SRIRAMAN, K. Agmark grading of ghee in Madras state. *Indian Dairyman* 17(12):379-380. Dec.1965. 44.8 In282
- 40571 U. S. FEDERAL RADIATION COUNCIL, PANEL ON ENVIRONMENTAL FACTORS. Estimates of the concentrations of strontium-89, strontium-90, and cesium-137 in milk as a function of time after an acute localized contaminating event. *Radiol. Health Data* 6(7):383-386. July 1965. 151.65 R11
- 40572 WILSON, H. K., and HERREID, E. O. Results of judging of sterile and recombined milks. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 8: 20-25. Dec.1964. 281.9 Il62B
Keeping quality.
- 40573 WRIGHT, E. O. Good flavor is key to better markets and flavor control starts on the farm. *Hoard's Dairyman* 111(4):209. Feb.25,1966. 44.8 H65
Milk.
- Packing and Packaging
- 40574 BALJIC, D. Application of scientific methods of studying glass containers of the dairy industry in order to reduce breakage. (Se) *Mljekarstvo* 15(3):56-60. Mar.1965. 44.8 M694Ac
- 40575 BERNI, A. Problems in international marketing. *Amer. Dairy Rev.* 28(3):46,102,104. Mar. 1966. 44.8 Am38
Ice cream packaging.
- 40576 CURIE, R. J. Home delivery of milk in a ten-quart single-service container. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 9:46-50. Dec.1964. 281.9 Il62B
- 40577 FLUCKIGER, E., and HEUSCHER, E. Preliminary results of recent research for improvement of corrosion resistance of milk cans of Anticorodal for cheese plants through use of thicker and stronger oxide layers. (Ge) *Schweiz. Milchzeitung* 9(91):715-716. Nov.12, 1965. 44.8 Sch92
- 40578 FORD, G. E. Recent developments and trends in the packaging of liquid milk. *Soc. Dairy Technol. J.* 19(1):36-49. Jan.1966. 44.8 So12
Includes discussion.
- 40579 FORSTNERIC, F. Packaging the butter and the effect of wrapping materials on the quality and keeping quality of the butter. (Se) *Mljekarstvo* 15(2):35-38. Feb.1965. 44.8 M694Ac
- 40580 HENDERSON, D. J. Plastic bottles gaining foothold. *Town Milk* 13(4):18-19. Nov.1965. 44.8 T66
- 40581 KLUPSCH, H. J. The brown milk bottle is coming! (Ge) *Verpackungs-Rundschau* 16(8): 948. Aug.1965. 280.38 V592
- 40582 MANN, E. J. Packaging of dairy products. *Dairy Indus.* 31(1):47-48. Ref. Jan.1966. 44.8 D1427
Butter.
- 40583 MARKES, M. Technical aspects of various types of containers for milk for consumption. (Se) *Mljekarstvo* 15(2):29-35. Feb.1965. 44.8 M694Ac
- 40584 OWEN, E. H. Cartons are right for Guernsey's milk. *Dairy Indus.* 31(1):36-38. Jan.1966. 44.8 D1427
- 40585 RADEMA, L., and KOOY, E. G. Laboratory investigation of the cleaning of bottles in the dairy. (Du) *Ned. Melk- Zuiveltijdschr.* 19(3): 222-230. July/Sept.1965. 44.8 N283
English summary.
- 40586 SACHAROW, S. Different types of flexible plastic films used in packaging cheese. *Amer. Dairy Rev.* 28(3):41,44,105-106. Mar.1966. 44.8 Am38
- 40587 SALL, H., and KREBS, R. ADR [American Dairy Review] survey reveals current trends in production packaging. *Amer. Dairy Rev.* 28 (3):28-30,32. Mar.1966. 44.8 Am38
- 40588 VITKOVIC, D. Economic aspects of various types of containers for milk for consumption. (Se) *Mljekarstvo* 15(3):64-69. Mar.1965. 44.8 M694Ac
- Prices, Price Control, and Rationing
- 40589 BARTLETT, R. W. Is State control of consumer milk prices in the public interest? *Ill. Univ. Coll. Agr. Dept. Agr. Econ. Bull.* 9:11-23. Dec.1964. 281.9 Il62B
- 40590 HAYAMI, Y. Seasonality in the price response of milk yield. *Rural Econ. Probl.* 2(2):46-58. Nov.1965. 281.28 R8822
In Japan.
- 40591 SPENCER, L. Class I base plans under Federal milk orders. *Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res.* 191,14 p. Jan.1966. 281.9 C81A
- Processing and Storage
- 40592 BAKOVIC, D. Ripening and storage of cheeses. (Se) *Mljekarstvo* 15(3):61-63. Ref. Mar.1965. 44.8 M694Ac
- 40593 BAKOVIC, D. Stabilizers in the manufacture of ice cream. (Se) *Mljekarstvo* 15(5):108-113. (Cont.) May 1965. 44.8 M694Ac
- 40594 BAUMGARTNER, H. Penicillin damages in the dairy increase! (Ge) *Grüne* 94(2):56-57. Jan.14,1966. 17 Sch9
Effects on starters.
- 40595 CAMPHAUSEN, H. Combined disinfectants in the sanitation of milk plants. (Se) *Mljekarstvo* 15(3):53-55. Mar.1965. 44.8 M694Ac
- 40596 CAMPHAUSEN, H. Modern sanitation in dairy plants. (Se) *Mljekarstvo* 15(1):1-4. Jan.1965. 44.8 M694Ac
- 40597 CLAYDON, T. J., and KING, R. F. Cleaning and sanitizing bulk milk tanks. *World Farming* 7(6):36-38. June 1965. 30.08 W89
- 40598 CORDIER, J. DE. More recent processes in the dried milk industry. (Fl) *Land- Tuinbouw Jaarboek* 20:87-91. Ref. 1965. 13 L22
- 40599 CZAPLAK, T., and TUSZYNSKI, W. Survey of the systems of raw milk collection in tanker vehicles and their basic principles—present situation and trends in Poland. *Int. Dairy Fed. Annu. Bull.* 1965(2):133-137. 44.9 In82A
- 40600 DAVIS, J. G. Technical aspects. *Dairy Indus.* 31(2):115-116,126. Feb.1966. 44.8 D1427
- 40601 DEHN, W. Experiences in the shaping of butter after processing with the Mikrofix. (Ge) *Deut. Molk.-Zeitung* 86(50):1969-1971. Dec.16,1965. 44.8 Su2
- 40602 DEMETER, K. Camembert manufacture with the "Waldner-Rainer" soft cheese manufacturing equipment. (Ge) *Deut. Molk.-Zeitung* 87(1): 4-8. Jan.5,1966. 44.8 Su2
- 40603 DILGER, G. Eye formation in semi-hard cheese and influencing it. (Ge) *Deut. Molk.-Zeitung* 86(51/52):2002-2008. Dec.23,1965. 44.8 Su2
- 40604 DOLBY, R. M. Changes in moisture distribution caused by partial reworking of butter shortly after churning. *J. Dairy Res.* 32(3): 263-267. Ref. Oct.1965. 44.8 J823
- 40605 FOLEY, J., and SHEURING, J. J. The effect of freezing on standard plate and coliform counts of soft-serve ice cream mixes. *Irish J. Agr. Res.* 4(2):215-221. Oct.1965. 10.5 Ir45

- 40606 GAC, A. Economics of tank collecting of milk and bulk cooling on the farm. (Fr) Int. Dairy Fed. Annu. Bull. 1965(2):285-307. 44.9 In82A English summary.
- 40607 GARDNER, K. The need for university-trained personnel in the dairy industry. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 10:39-44. Nov.1965. 281.9 IL62B
- 40608 GELPI, A. J., ROUCHON, M., and PINEIRO, E. L. The use of hypochlorite, propionic acid, and acetic and lactic acid in the wash water of Cottage cheese as a method of improving its commercial life. (Sp) Indus. Leche. 47 (553/554):254-255,258,260. (Cont.) Aug./Sept. 1965. 44.8 In26
- 40609 GODED Y MUR, A. Methods for analysing water in the dairy plant. (Ge) Milchwissenschaft 20(11):574-578. Nov.1965. 44.8 M5933 English summary. Spain.
- 40610 HADLAND, G., DOVLE, H., and SOLBERG, P. Experiments with new products and processes within dairy technology. (No) Meieriposten 55(1):10-12. Jan.8,1966. 44.8 M47 English summary. Milk and cream.
- 40611 HALLBERG, O. K. Production and sale of sterilized milk products. Ill. Univ. Coll. Agr. Dept. Agr. Econ. Bull. 8:30-34. Dec.1964. 281.9 IL62B
- 40612 HANKINSON, D. J., and others. Fluid flow relationships of importance in circulation cleaning. J. Milk Food Technol. 28(12):377-378. Dec.1965. 44.8 J824
C. E. Carver, K. P. Chong, and K. P. Gordon, joint authors.
In dairy plants.
- 40613 HERREID, E. O., and WILSON, H. K. Practical problems in the production of sterile fluid milk products. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 8:5-9. Dec.1965. 281.9 IL62B
- 40614 HUGHEBAERT, A. Continuous cheese manufacture. (Fl) Land- Tuinbouw Jaarboek 20:75-80. 1965. 13 L22
- 40615 JOHNS, C. K. Some thoughts on dairy equipment sanitation. J. Milk Food Technol. 28(12):388-391. Dec.1965. 44.8 J824
- 40616 JOHNSON, W. J. B. Transmission and control of liquids in dairies; stainless-steel pipe unions, valves and pumps for manual and "in-place" cleaning. Dairy Indus. J. Southern Afr. 5(3):137-140. July/Sept.1965. 44.8 D1428
- 40617 KLUPSCH, H. J. The most important viewpoints of labor control of fresh cheese, mixed milk beverages, and fermented milk products. (Ge) Molk.-Kaserei-Zeitung 16(19):697-700, 702. May 12,1965. 44.8 M736
- 40618 KOENEN, Whipping cream—manufacture, quality, and marketing. (Ge) Molk.-Zeitung Welt Milch 19(16):480-482. Apr.23,1965. 44.8 M735
- 40619 KOENEN, K. A German experiment of collecting milk every other day. (Fr) Tech. Lait. 22 (507):11-13,18. Jan.20,1966. 44.8 Of2
- 40620 KRUGER, K. E. Methods of checking cleaning and disinfection. Int. Dairy Fed. Annu. Bull. 1965(2):212-219. 44.9 In82A
- 40621 LOO, L. G. W. VAN DER. Modern methods of preparing sterilized bottled milk. (Du) Misset's "Zuivel" 71(18):416-417,419-421. Ref. May 4,1965. 44.8 N282
- 40622 LUBENAU-NESTLE, R. Lactic acid streptococci in starters. (Ge) Deut. Molk.-Zeitung 86(51/52):2008-2010. Ref. Dec.23,1965. 44.8 Su2
- 40623 MATTIOLI, L. Tests on production of Po Grana cheese with the use of the hermetic skimmer-titrator-cleaner. I. (It) Latte 19(2):111-116. Ref. Feb.1965. 44.8 L35 English summary.
- 40624 MAUBOIS, J. L., and others. Influence of concentrated milk on the making of cheese. (Fr) Indus. Lait. 222:309-314. June 1965. 44.8 In2
G. Mocquot, E. Blanc-Patin, and E. Gervais, joint authors.
- 40625 MENNINGER, H. Fermented milk products in the present time. (Ge) Molk.-Zeitung Welt Milch 19(16):484,486,488. Apr.23,1965. 44.8 M735
- 40626 MENNINGER, H. Sanitation of fresh cheese manufacture. (Ge) Molk.-Zeitung Welt Milch 19(16):490-493. Apr.23,1965. 44.8 M735
- 40627 MEYER, A. Old and new methods of the manufacture of liquid cheeses. (Se) Mljekarstvo 15 (8):178-182. (Cont.) Aug.1965. 44.8 M694Ac
- 40628 MOL, J. J. Possibilities for the presentation of blue and white mold cheese. (Du) Misset's "Zuivel" 71(15):347, 349-351. Apr.13,1965. 44.8 N282
English summary.
Manufacture with *Penicillium roqueforti*.
- 40629 MURPHY, M. F. Some aspects of sweet cream butter manufacture and handling. Irish Agr. Creamery Rev. (n.s.)19(385):19-20. Jan.1966. 44.8 C866
- 40630 MURTHY, B. K. Why aluminium for the dairy industry in India. Indian Dairyman 17(1):11-12, 15. Jan.1965. 44.8 In282
- 40631 NEFF, E. Victorian caseins; a survey of lactose levels. J. Agr. [Melbourne] 63(11):517-521. Nov.1965. 23 V66J
Manufacture.
- 40632 NIELSEN, V. H. Dry ice cream mix: a way to keep spray dryers running. Amer. Dairy Rev. 28(2):66,68-69. Feb.1966. 44.8 Am38
- 40633 OVERCAST, W. W., and ADAMS, G. A. Growth of certain psychrophilic bacteria in pasteurized milk as influenced by previous excessive psychrophilic growth in the raw milk. J. Milk Food Technol. 29(1):14-18. Ref. Jan.1966. 44.8 J824
- 40634 PALOSY, L. Trappist cheese production at the factory of Baraolt. (Rum) Indus. Aliment. 16 (6):310-313. June 1965. 389.8 In26
English summary, p.3 following p.336.
- 40635 PFITZENREUTER, and GROPER. Cooked cheese manufacture in the Groper Dairy, Aemuluxen. (Ge) Molk.-Kaserei-Zeitung 16(18):665-666. May 5,1965. 44.8 M736
- 40636 RANGAPPA, K. S. "Dahi kusum" or Indian "Ice cream." Indian Dairyman 17(1):13,15. Jan.1965. 44.8 In282
- 40637 SCHEIB, B. J. Cleaning farm pipeline systems. Mod. Milk Hauler 5(12):10,12. Sept. 1965. 280.38 M72
- 40638 SEBELA, F. Bulk collection of milk in Czechoslovakia. Int. Dairy Fed. Annu. Bull. 1965(2):89-92. 44.9 In82A
- 40639 SEELEMANN, M. Hygienic quality production of milk. Dairy Indus. J. Southern Afr. 5(3):113, 115,117-120. July/Sept.1965. 44.8 D1428
- 40640 SIDDAL, D. F. Plastic tubing—solving the opacity and discoloration problem. Vt. Dairy Indus. Ass. Papers, 44th Annu. Conf.:2-10. 1965. 44.9 V593
- 40641 SMITH, G. W. New concepts in sour cream and Cottage cheese. Southern Dairy Prod. J. 78(2):22-23. Feb.1966. 44.8 So38
- 40642 SMITH, J. P. M. Bulk collection of milk in Great Britain. Int. Dairy Fed. Annu. Bull. 1965 (2):32-55. 44.9 In82A
- 40643 SWARTLING, P., and JOHANSSON, S. Ostens kvalitet vid tankuppsamling (1961-1962 ars forsok i Halmstad-Vallbergaområdet). Bulk milk collection and cheese quality (the Halmstad-Vallberga investigation in 1961-1962). Svenska Mejeriernas Riksfor. Produkttekn. Adv. Medd. 82,21 p. Ref. 1965. 44.9 Sv23
English summary.

- 40644 SWITZERLAND. EIDGENÖSSISCHE MILCH-WIRTSCHAFTLICHE VERSUCHSANSTALT LIEBEFELD-BERN. 10. Tätigkeitsbericht umfassend die Zeit vom 1. Januar 1962 bis 31. Dezember 1964. [10th report of activities for the period January 1, 1962 to December 31, 1964]. *Landwirt. Jahrbuch Schweiz* 79(3):211-273. 1965. 17 L23
- 40645 THOMSEN, L. C. Cost of producing and marketing sterilized concentrated milk. *Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull.* 8:35-42. Dec. 1964. 281.9 IL62B
- 40646 VOLDBY, J. P. Manufacture of cheese from ripe milk. (Du) *Maelkeritidende* 79(3):49-53. Jan.21,1966. 44.8 M26
- 40647 VOS, E. A. Modern dairy preparation. (Du) *Misset's "Zuivel"* 71(15):344-346. Apr.13,1966. 44.8 N282
- 40648 VUJICIC, I. Achievements in the manufacture of cheeses with accelerated ripening. (Se) *Mljekarstvo* 15(2):25-29. Ref. Feb.1965. 44.8 M694Ac
- 40649 VUJICIC, I., and BACIC, B. The effect of freezing on the quality of yoghurt. (Se) *Mljekarstvo* 15(5):98-108. May 1965. 44.8 M694Ac English summary.
- 40650 WALZHOLZ, G. Trends in the development of dairy technique. (Ge) *Deut. Molk.-Zeitung* 87(2):36-38. Jan.13,1966. 44.8 Su2
- 40651 WILEY, W. H., and GARRISON, O. B. Dairy technology research. *S. C. Agr. Exp. Sta. Dairy Sci. Leaflet*, 2,8 p. Aug.1964. 44.9 So86
- 40652 WRIGHT, E. O. Is your bulk tank overloaded? *Hoard's Dairyman* 111(2):96-97. Jan.25,1966. 44.8 H65
- 40653 ZVOLSKY, J. Manufacture of sour milk curd with a food curd centrifuge. (Ge) *Molk.-Kasei-Zeitung* 16(19):713-714. May 12,1965. 44.8 M736
- Statistics
- 40654 HENDRICKX, H. Production and use of cheese in Belgium. (Fl) *Land- Tuinbouw Jaarboek* 20: 69-73. 1965. 13 L22 Statistical.
- 40655 KRUGER, W. The dairy industry of the Deutsche Demokratische Republik in the years 1954 to 1964. (Ge) *Z. Agrarökön.* 8(7):197-202. 1965. 281.8 Z3 Statistical.
- FEED AND FORAGE CROPS
- 40656 AMADEI, G. Economic consequences of an increase in the price of forage grains. (It) *Riv. Polit. Agr. (n.s.)* 12(4):21-37. Dec.1965. 281.8 R523
- 40657 ANDERSEN, P. E. Various factors influencing payment of roughage; results of one years experiment with cattle. (Da) *Landbonyt* 19(6): 228-230. June 1965. 11 L2322
Feed values in relation to prices of beef and milk.
- 40658 BAILLAUD, P. Automation in the plants for animal feed. (Fr) *Tech. Meun.* 103:8-13. Aug./Oct.1965. 298.8 T22
- 40659 BURMEISTER, H. R., HARTMAN, P. A., and SAUL, R. A. Microbiology of ensiled high-moisture corn. *Appl. Microbiol.* 14(1):31-34. Jan.1966. 448.3 Ap5
- 40660 BURMEISTER, H. R., and HARTMAN, P. A. Yeasts in ensiled high-moisture corn. *Appl. Microbiol.* 14(1):35-38. Jan.1966. 448.3 Ap5
- 40661 CHRETIEN, A. Grinder with hammer. (Fr) *Tech. Meun.* 103:14-20. Aug./Oct.1965. 298.8 T22
For feed.
- 40662 CLARK, S. P. Production of high quality cottonseed meal. *Oil Mill Gaz.* 69(11):38-41. May 1965. 307.8 O153
As feed.
- 40663 COMPAIRE FERNANDEZ, C. The problem of determining fat in feed concentrates. (Sp) *Rev. Espan. Leche.* 55:3-7. Mar.1965. 44.8 R325
- 40664 COOMERS, T. J., and others. Experimental detoxification of groundnut meals containing aflatoxin. *Nature [London]* 209(5021):406-407. Jan.22,1966. 472 N21
P. C. Crowther, A. J. Feuell, and B. J. Francis, joint authors.
- 40665 CURTIN, L. V. Purified soy protein: potential standard. *Feedstuffs* 38(6):20,22. Feb.12,1966. 286.81 F322
Soybean meal feed.
- 40666 DELIC, I., VAJAGIC, S., and KRIVOKUCIN, A. Destruction of essential amino acids in alfalfa during various techniques of natural and artificial drying. (Se) *Stocarstvo* 19(9/10):393-398. Sept./Oct.1965. 43.8 St6
English summary.
- 40667 FERREIRA, E. A. Characteristics and quality of hay. (Por) *Lavoura* 66:15-16. July/Sept. 1963. 9.2 L39
- 40668 FISHER, H. J. Commercial feeding stuffs, 1964; report on inspection. *Conn. Agr. Exp. Sta. Bull.* 675,135 p. Sept.1965. 100 C76St
- 40669 FRITZ, J. C. Determination of total choline in feeds. *Ass. Offic. Agr. Chem. J.* 48(6):1221-1223. Dec.1965. 381 As7
- 40670 FRONDA, F. M. The feed miller and the Philippine poultry industry. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:105-106. 1964. 47.9 Au742
- 40671 GEOFFROY, R. Trends in the manufacture of compound feed. (Fr) *Tech. Meun.* 103:5-7. Aug./Oct.1965. 298.8 T22
- 40672 GUTHRIE, W. R., and COLLINS, E. B. Factors affecting sorption isotherms of alfalfa. *W. Va. Agr. Exp. Sta. Bull.* 514T,32 p. Ref. Nov.1965. 100 W52
Hay.
- 40673 HOETING, A. L. FDA [Food and Drug Administration] packaging-labeling rules. *Grain Feed J.* 123(2):10-12. Jan.26,1966. 298.8 G762
For medicated feeds.
- 40674 HOFMAN, M. A. J. Microwave heating as an energy source for the predrying of herbage samples. *Plant Soil* 23(1):145-148. Aug.1965. 450 P696
Includes infrared heating, freeze drying.
- 40675 IL'INA, G. V., and RYDKII, S. G. Study of absorption of radioactive fission products by field crops. II. The accumulation of radioactive fission products by legumes and by perennial grasses. (Rus) *Moscow, Univ. Vestnik. Ser. 6*, 2:3-9. Mar./Apr.1965. 442.9 M854
Chiefly as forage plants.
- 40676 JEDLIN, S. Quality control. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:110-111. 1964. 47.9 Au742
In feed industry.
- 40677 JONES, D. I. H., and GRIFFITH, G. AP. Reduction of nitrate to nitrite in moist feeds. *J. Sci. Food Agr.* 16(12):721-725. Ref. Dec.1965. 382 So12
- 40678 KAZAKOV, E. F. Economic advantages of producing sugar beet amide pulps. (Rus) *Sakharn. Prom.* 1:60-62. Jan.1966. 65.8 Sa2
Urea as feed supplement.
- 40679 MAYMONE, B., and BERGONZINI, E. Research on the essential amino acid content and biological value of the proteins of some fodders widely cultivated in the southern regions. (It) *Ann. Sperim. Agr. (n.s.)* 17(3/4):247-270. Ref. 1963,pub.1965. 16 An76
English summary.
- 40680 MISSOURI. DEPT. OF AGRICULTURE. 1965 annual report of feeds tested and inspected in 1964. Jefferson City, 1965. 123 p.,map. 389.79 M69
- 40681 NAGORSKAYA, E. D., PODLUZHNAJA, L. I., and KOZYR', G. S. Amino acid in feed produced in Belorussia. (Rus) *Khim. Sel'skom Khoz.* 2:63-67. Ref. Feb.1965. 385 K524

- 40682 PAGE, and others. Classifying the protein of a grain sorghum harvest. *Feed Age* 16(2):14-19. Feb.1966. 389.78 F327
Stevens, Pfost, and Deyoe, joint authors.
For feed.
- 40683 QUESENBERRY, N. C. Buy only tested hay! *Western Dairy J.* 22(3):23-C-25-C. Jan.1966. 44.8 W524
For feed.
- 40684 SCHNEEBERGER, H. How is the quality of hay of the 1965 crop for winter feeding to be evaluated? (Ge) *Mitt. Schweiz. Landwirt.* 13(11):196-197. Nov.1965. 17 M69
Quality and yield.
- 40685 SCHOEFF, R. W. Changes in marketing strategy. *Grain Feed J.* 123(2):29-30. Jan.26,1966. 298.8 G762
Feed.
- 40686 SCHRUBEN, L. W., and CLIFTON, R. E. Truck delivery costs of manufactured feeds. *Kans. Agr. Exp. Sta. Circ.* 393,21 p. Oct.1965. 100 K13S
- 40687 SCHURIG, M. Vergleichende Untersuchungen über Technik und Arbeitswirtschaft bei der Befüllung und Entleerung von Garfutterhochsilos [Comparative investigations on technique and labor management in the filling and emptying of high silos]. *Kuratorium Tech. Landwirt. Ber. Landtech.* 80,96 p. Ref. 1964. 18 K96
English summary.
- 40688 STAFFORD, J. H., and SNYDER, J. C. Simulator program for feed manufacturing inventory control. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 208,24 p. Ref. Sept.1965. 100 In2Res
- 40689 TAYLOR, N. W. The use of linear programming in least-cost feed compounding. *Lincoln Coll. Agr. Econ. Res. Unit. Publ.* 20,32 p. 1965. 281.9 L632
- 40690 ! ORSTEINSSON, L., and OLAFSSON, G. Efnainnihald og meltanleiki nokkurra uthagaplan-
tna. The chemical composition and digestibility of some Icelandic range plants. Reykjavik. Haskoli Islands. Atvinudeild. Búnaðardeild. Rit Landbúnaðardeildar, A-flokkur 17,26 p. Ref. 1965. 11 R33A
English summary.
- 40691 TOOKEY, H. L., and others. Evaluation of enzyme-modified, solvent-extracted crambe seed meal by chemical analyses and rat feeding. *Cereal Chem.* 42(6):507-514. Ref. Nov. 1965. 59.8 C33
C. H. VanEtten, J. E. Peters, and I. A. Wolff, joint authors.
Crambe abyssinica meal.
- 40692 USHAKOVA, E. I. Sortoopisanie ovoshchnykh, bakhchevykh kul'tur i kormovykh korneplodov; posobie dlya aprobatorov [Varietal description of vegetables, melons and root crops used for feed; a handbook for certifying agencies]. Moskva, Kolos, 1965. 216 p. SB323.U8
- 40693 WEISSBACH, F., and LAUBE, W. Contribution to the methodology of silage research and the carrying out of ensiling investigations. IV. Principles and methods of estimating silage. (Ge) *Z. Landwirt. Versuchs- Untersuchwesen* 10(6):503-521. Ref. 1964. 18 Z32
English summary.
- FIBERS AND TEXTILES
- 40694 ALMEIDA, A. H. DE. Comment on the development of the cotton textile industry in 1963; current trends. (Por) *Port. Comis. Reguladora Com. Algodao Rama. Bol.* 15:IX-XXIV. Dec. 1964. 264 AL3
Includes world cotton fiber statistics.
- 40695 AMERICAN SOCIETY FOR QUALITY CONTROL. TEXTILE AND NEEDLE TRADES DIV. Sixteenth annual conference held on Feb. 10 and 11, 1966 in Atlanta, Ga. *Textile Quality Congr. Pap.* 13,168 p. 304.8 T3152
Selected papers.
- 40696 AMERICAN TEXTILE MANUFACTURERS INSTITUTE. MAN-MADE FIBERS AND SILK COMMITTEE. Trends in man-made fibers. *Textile Bull.* 92(2):27-30,32-33,66-70. Feb. 1966. 304.8 So82
Papers reported by: R. A. Perna, H. M. Jones, R. C. Jackson, L. Laun, J. H. Hunter.
- 40697 ANGUS, G. B. Basic structures and fibres used in carpet manufacture. *Textile Inst. Indus.* 3(12):313-317. Dec.1965. 304.8 T3133
- 40698 ASOCIACION DE INVESTIGACION TEXTIL ALGODONERA. Comparative study of various processes in cotton spinning. 1. (Sp) *Invest. Inform. Textil* 8(3):253-265. Ref. July/Sept. 1965. 304.8 In84
- 40699 AUSTRALIA. WOOL BOARD. WOOL STATISTICAL SERV. Australian wool types (greasy wool only) sold at each auction centre, 1964-65 season. *Australian Wool Board. Wool Statist. Serv. Statist. Anal.* 50,33 p. Nov.1965. 45.9 Au77
- 40700 BILLE, H., and CONRAD, H. G. Permanent press finishing. (Ge) *Z. Gesamte Textil Indus.* 68(1):20-24. Jan.1966. 304.8 D485
- 40701 BLOMQUIST, G. Quality control in yarn manufacturing. *Textile Quality Contr. Pap.* 13:89-95. 1966. 304.8 T3152
- 40702 BOZA BARDUCCI, T. Present state of cotton culture in the valleys of the Chico South. (Sp) *Vida Agr. [Lima]* 42(494):23-32. Jan.1965. 9.8 V66
Industry.
- 40703 BRIGGS, J. L., and HARTLEY, R. S. The effect of ageing on the removal of fatty oils from wool yarn. *Textile Inst. J.* 56(11):T607-T623. Ref. Nov.1965. 73.9 T31
Effects of oxidation, in scouring.
- 40704 BUCK, G. S. All-cotton durable press—past, present, and future. *Textile Quality Contr. Pap.* 13:69-76. 1966. 304.8 T3152
- 40705 CANADA. BUR. OF STATISTICS. Cordage and twine industry, 1963. Ottawa, 1966. 17 p. (Annual Census of Manufactures)
253 C335Cor
Includes fiber consumption.
- 40706 CHAPMAN, S. D. The transition to the factory system in Midlands cotton-spinning industry. *Econ. Hist. Rev.* 18(3):526-543. Dec.1965. 277.8 Ec7
- 40707 CHIN, R. Management, industry and trade in cotton textiles. New Haven, Coll. & Univ. Press, 1965. 208 p. Ref.,p.185-204. HD9070.5.C48
Contains a chapter on the raw cotton industry.
- 40708 CHIPALKATTI, H. R., and others. Some observations on canary coloration in Indian raw wools. *Textile Inst. J.* 56(12):T649-T664. Ref. Dec.1965. 73.9 T31
A. D. Sule, K. K. Juneja, and M. C. Aggarwal, joint authors.
- 40709 CHORNYEI, E. J. Fabric finishing: can fabric function be accomplished through finishing. *Textile Quality Contr. Pap.* 13:83-88. 1966. 304.8 T3152
Includes tests.
- 40710 COBB, S. Grinding high-speed cards. *Textile Indus.* 130(2):86-87. Feb.1966. 304.8 C823
Cotton.
- 40711 COMPTON, N. H. Compton fabric preference test manual. *Utah. Agr. Exp. Sta. Spec. Rep.* 19,13 p. Aug.1965. 100 Ut1Sp
- 40712 COOK, J. G. Handbook of textile fibres. Ed. 3. Watford, Engl., 1964. 915 p. TS1540.C6
Natural and synthetic.
- 40713 COWAN, J. C. One industry—many fibers. *Bobbin Beaker* 23(1):6-8. Fall 1965. 304.8 B632
Includes natural and synthetic fibers.

- 40714 CYROT, J. Comparison of the different methods in testing the viscosity of cellulose solutions taking into consideration the established recommendations of ISO. (Fr) *Inst. Textile France. Bull.* 19(121):917-942. Nov./Dec.1965. 304.8 T3145
English summary.
- 40715 DAMAS, F. DE F. International program for control of equipment for laboratory testing of cotton. (Por) *Port. Comis. Reguladora Com. Algodao Rama. Bol.* 15:XXV-XXIX. Dec.1965. 264 AL3
- 40716 DECOSSAS, K. M., WOJCIK, B. H., and VIX, H. L. E. Stretch cottons: profit opportunity. *Textile Indus.* 130(2):141-143,145,147-148. Ref. Feb.1966. 304.8 C823
Includes manufacturing.
- 40717 FERENC, P., and HORSTNE, H. Application of mineral oil base smear emulsions in the wool industry. II. (Hu) *Magyar Textiltech.* 17(12):587-590. Dec.1965. 304.8 M27
- 40718 FERRO, E. E. J. The cost and production of wool. (Sp) *Ovina* 1965(spec.issue):10-11,38. 45.8 Ov4
In Argentina.
- 40719 FERRO, E. E. J. Shearing and its real cost. (Sp) *Ovina* 28(327):34-36. Oct.1965. 45.8 Ov4
In Argentina.
- 40720 FUNDER, A. Influence of heat and moisture on properties and structure of spun bast fibers. (Ge) *Z. Gesamte Textil Indus.* 67(12):945-952. (Concl.) Ref. Dec.1965. 304.8 D485
- 40721 GOLDBERG, J. B. Textile research achievements in 1965. *Textile Indus.* 130(2):153-159, 187-188. Feb.1966. 304.8 C823
Reviews.
- 40722 GOLDSTEIN, H. B. Textile finishing for permanent press. *Textile Quality Contr. Pap.* 13: 52-68. 1966. 304.8 T3152
- 40723 HANCE, L. H. What price automation? *Textile Indus.* 130(2):99-100. Feb.1966. 304.8 C823
Converting cotton to yarn.
- 40724 HOUGH, R. F. Impact of the drastic reduction in silk reeling on industry in the Suwa basin, Japan. *Assoc. Amer. Geog. Ann.* 55(4):621. Dec.1965. 500 As73
- 40725 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. Cotton in India, 1961-62. Delhi, 1965. 36 p. 269.5 In2G
Statistical.
- 40726 INDIA, DIRECTORATE OF ECONOMICS AND STATISTICS. Cotton in India 1962-63. New Delhi, 1965. 41 p. 269.5 In2G
Statistical.
- 40727 JOSHI, G. S. Co-operative spinning mills-a rejoinder. *Maharashtra Co-op. Quart.* 49(1): 46-50. July 1965. 280.28 B63
- 40728 KEITH, M. Better coordination of production & sales for cotton linters. *Oil Mill Gaz.* 69(10): 22-25. Apr.1965. 307.8 Oi53
- 40729 KUBN, M., HENNIGE, E., and SODNIK, M. Modification of cellulose fibers with polymerizable substances. (It) *Fibre Colori* 16(1):11-17. Jan.1966. 304.8 F442
Cotton.
- 40730 LEONARD, C. G. An improved method for feeding a roller gin. *Cotton Gin Oil Mill Press* 66(24):10-11. Nov.20,1965. 304.8 C822
- 40731 LIDDY, D. T. Calculation of performance of a spinning set. *Textile Inst. Indus.* 4(1):6-8. Jan.1966. 304.8 T3133
- 40732 MANGIALARDI, G. J., and GRIFFIN, C. Fiber moisture, lint cleaning, & lint quality. *Cotton Gin Oil Mill Press* 66(23):14-16. Nov.6,1965. 304.8 C822
- 40733 MCKENNA, F. P. Sources of variability in textile testing information. *Textile Bull.* 92(2): 33,40-42,44-45. Feb.1966. 304.8 So82
Includes processing.
- 40734 MENENDEZ PRENDEZ, A. The wool market situation and the wool producers. (Sp) *Ovina* 1965(spec.issue):9. 45.8 Ov4
- 40735 MENZIE, E. L., FIRCH, R. S., and STULTS, H. M. Relationships between cotton quality and Commodity Credit Corporation pricing. *Ariz. Agr. Exp. Sta. Tech. Bull.* 165,30 p. Nov.1965. 100 Ar4
Grades and support prices.
- 40736 MULCOCK, A. P., and HORN, P. E. Thermophilic bacteria from wool. *New Zeal. J. Agr. Res.* 8(4):818-824. Ref. Nov.1965. 23 N4892
- 40737 O'BRIEN, D. J., SCAHILL, T. E. J., and VAN PELT, W. The compression-release behaviour of New Zealand wool bales. *New Zeal. J. Sci.* 8(4):537-555. Dec.1965. 514 N482
- 40738 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. SPECIAL COMMITTEE FOR TEXTILES. Textiles 1963; production and consumption statistics. Paris, 1965. 59 p. 304.9 Or32
Text also in French.
Chiefly wool and cotton textiles.
- 40739 OWALEKAR, R. G. Combing ratios as measures of fibre-hooking. *Textile Inst. J.* 56(12): T696-T698. Dec.1965. 73.9 T31
- 40740 PIRYNS, G. R. International cotton promotion. (Fl) *Indus. Textile Belg.* 7(12):19-23. Dec. 1965. 304.8 In29
- 40741 POHLE, E. M. New wool grade standards. *Textile Indus.* 130(2):94,163. Feb.1966. 304.8 C823
- 40742 RAES, G. The problem of short fibers in cotton spinning. (Sp) *Invest. Inform. Textil* 8(3): 267-285. July/Sept.1965. 304.8 In84
- 40743 RAMSAY, G. D. The Wiltshire woollen industry; in the sixteenth and seventeenth centuries. Ed. 2. London, F. Cass, 1965. 165 p.,map. HD9901.7.W5R3
- 40744 ROBERTS, H. L. Knit fabrics. *Wash. State Univ. Ext. E. M.* 2242,rev.,6 p. Mar.1965. 275.29 W27Mi
- 40745 SATLOW, G. Chemical data on coarse goat's hair. (Ge) *Z. Gesamte Textil Indus.* 67(12): 943-944. Dec.1965. 304.8 D485
- 40746 SCHNITZLER, G. Study on a progressive starting equipment of continuous spinning. (Fr) *Inst. Textile France. Bull.* 19(121):945-950. Nov./Dec.1965. 304.8 T3145
English summary.
- 40747 SIMPSON, W. S. A comparison of methods of measurement of Young's modulus for keratin fibres. *Textile Inst. J.* 56(12):T675-T683. Ref. Dec.1965. 73.9 T31
Wool and mohair.
- 40748 SINGH, M. M., and KUMAR, K. Production of chemical pulps from mawai grass (*Pennisetum hohenackeri* Hochst. ex Steud.) for writing and printing papers. *Indian Forest.* 91(11):821-823. Nov.1965. 99.8 In2
- 40749 SMITH, H. E. Sales, incentive payments and prices for Texas wool, 1963 marketing year. *Tex. Agr. Exp. Sta. MP* 787,16 p.,map. Oct. 1965. 100 T31M
- 40750 SOETAERT, H. Cotton promotion in Belgium. (Fl) *Indus. Textile Belg.* 7(12):29-32. Dec. 1965. 304.8 In29
Text also in French.
- 40751 TOWNEND, P. P., and MAYERSON, R. The behaviour of lubricated fibres in worsted combing, drawing, and spinning. *Textile Inst. J.* 56(11):T581-T595. Nov.1965. 73.9 T31
Wool.
- 40752 U. S. CLEARINGHOUSE FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION. Price list, selective bibliography of Government research reports and translations: Textile fibers. Springfield, Va. ? 1964. 24 p. (Its SB-480, suppl.1) 241.4 Un325
Supplements U. S. Office of Technical Services. OTS Selective Bibliography. Textile Fibers.

- 40753 USMANOV, KH. U., and KHAKIMOV, KH. Effect of nature of liquids on heat of wetting of cellulose samples. 3 p. Transl. 14984
Cotton cellulose.
Translation from Akademiya Nauk Uzbekskoi SSR. Doklady 1:35-36. 1961.
- 40754 USMANOV, KH. U., and KHAKIMOV, I. KH. Heats of wetting of cotton cellulose and cellulose-hydrate in aqueous solutions of formic and acetic acid. 4 p. Transl. 14983
Translation from Akademiya Nauk Uzbekskoi SSR. Doklady 6:38-40. 1961.
- 40755 VAIL, S. L. The finishing of cotton stretch fabrics from the slack mercerisation process. Textile Inst. Indus. 3(12):309-310. Ref. Dec. 1965. 304.8 T3133
- 40756 WALKER, K. R. Origins of the textile industry as revealed in fabric etymology. J. Home Econ. 58(3):201-202. Mar.1966. 321.8 J82
- 40757 WARD, J. M., and GRAVES, J. W. Effects of deferred ginning of cotton on cotton fiber quality as reflected in certain fiber properties. Tex. Agr. Exp. Sta. Bull. 1039, 8 p. Ref. July 1965. 100 T31S
Includes moisture data.
- 40758 WASHINGTON STATE UNIVERSITY. EXTENSION SERV. Curtain and drapery fiber chart. Wash. State Univ. Ext. E. M. 2555, 5 p. June 1965. 275.29 W27Mi
Synthetics.
- FRUITS, VEGETABLES, AND NUTS**
- 40759 AGUIRRE, J. A., and SALAS, J. A. Regionalizing of bean culture in Central America and Panama. (Sp) Turrialba 15(4):300-306, map. Oct./Dec.1965. 8 T86
English summary.
- 40760 BORSOEV, I. Production of vegetables and potatoes in Lwow-Volyn' Coal Basin. (Rus) Kartoffel' Ovoshchi 1:6-10. Jan.1966. 75.8 K147
Includes acreage.
- 40761 BRANDKAMP, F. Structural and economic conditions of German grape culture. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(4):713-746. Ref. 1965. 18 G31
English summary.
- 40762 BREITBART, I. Citrus products. Agr. Israel 10(9):50. June 1965. 22.5 Ag825
Industry.
- 40763 CHUKHNO, D. F. Fruit production should cover demand. (Rus) Sadovodstvo 1:9-10. Jan. 1966. 80 Sa13
Outlook in Ukraine.
- 40764 CURLEE, D. Table grapes: record crop and/or flop. Prod. Marketing 9(2):7-9. Feb.1966. 280.38 P943
- 40765 GRECO, A. C. A message from the UFFVA; the age of development. West. Grower Shipper 36(11):43-44. Nov.1965. 280.38 W52
- 40766 HARSH, S. Trends for the apple industry in the United States, leading apple-producing states, New York State. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 392, 22 p. Nov.1965. 281.9 C81Ae
- 40767 HENDRICKSON, R., and KESTERSON, J. W. By-products of Florida citrus. Fla. Agr. Exp. Sta. Bull. 698, 76 p. Ref., p.70-76. Oct.1965. 100 F66S
- 40768 HILL, J. S., HILLMAN, J. S., and HENDERSON, P. L. Some economic aspects of the Arizona citrus industry. Ariz. Agr. Exp. Sta. Tech. Bull. 168, 42 p. Oct.1965. 100 Ar4
U. S. Department of Agriculture, cooperating.
Includes costs and returns.
- 40769 KARTALOV, P., and GAVRIL'EV, I. Production of greenhouse vegetables in Bulgaria. (Rus) Kartoffel' Ovoshchi 12:55-58. Dec.1965. 75.8 K147
- 40770 KLOTSCHER, T. The supply of citrus fruits in the winter of 1965/66. (Ge) Obst Gemuse 30 (1):5-6. Jan.1966. 286.83 Ob72
- 40771 KUCHERYAVYI, YA., and GRISHIN, N. Fruit industry in Moscow Region. (Rus) Sadovodstvo 1:1-2. Jan.1966. 80 Sa13
Includes acreage.
- 40772 MARGOTTI, G. Considerations on possible developments in Italian viticulture in view of its inclusion in the Common Market. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.272-283. 1964. 281.9 C815
Includes wine.
- 40773 MARGOTTI, G. Elements of valuation for a balanced development of horticulture, also in relation to the operation of the E.E.C. (It) In Corso Nazionale per i Direttori e i Tecnici dell'INATEIA. L'assistenza professionale agli agricoltori, p.284-298. 1964. 281.9 C815
- 40774 MARTINS, E. B. Mocamedes as tomato producing zone. (Por) Gaz. Agr. Angola 10(9): 477-479, 481. Sept.1965. 24 G252
Industry.
- 40775 MENDEL, K. Citrus research. Agr. Israel 10 (9):50. June 1965. 22.5 Ag825
- 40776 NATIONAL FEDERATION OF FRUIT AND POTATO TRADES. Handbook 1966 including list of members, officers and committees. London, 1966. 424 p. 286.83 N213
- 40777 OESERT, K. West German fruit production in the Common Market. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 136:7-16, map. Jan.15. 1966. 281.8 B462
- 40778 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Deciduous Fruit Board for the financial year 1st August, 1962 to 31st July, 1963 and the balance sheet as at 31st July, 1963. Pretoria, 1965. 27 p. 286.3939 So83
Text also in Afrikaans.
- 40779 SCHMIDT, H. D. Experiences in the Thailand tapioca starch and flour industry. (Ge) Starke 17(11):351-354. Nov.1965. 309 St22
- 40780 SPRENG, H. What is the status of the current fruit harvest? (Ge) Grune 93(39):1367-1369. Sept.24, 1965. 17 Sch9
Switzerland.
- 40781 VOLOSHENKO, Z. L., and KLISENKO, M. A. Determination of Mylone in vegetables. (Rus) Khim. Sel'skom Khoz. 1:37-39. Jan.1965. 385 K524
- 40782 WESTERN GROWERS ASSOCIATION. Year book. West. Grower Shipper 36(11), 133 p., map. Nov.1965. 280.38 W52
- 40783 WILLARD, D. H. The mighty peanut. Peanut J. Nut World 45(4):9. Feb.7, 1966. 77.8 P313
Outlook.
- 40784 ZANINI, E. Programming and distribution of fruit crops in Italy. (It) Agricoltura 14(9):16-30. Sept.1965. 16 Ag8226
- Analysis and Composition**
- 40785 BECKMAN, H., and others. An improved method for cleanup of Brassica for parathion analysis. Ass. Offic. Agr. Chem. J. 48(6): 1169-1173. Ref. Dec.1965. 381 As7
A. Bevenue, W. O. Gauer, and F. Erro, joint authors.
- 40786 BOURNE, M. C. How skin affects apple pressure tests. Farm Res. [N. Y. Sta.] 31(2):10-11. July/Sept.1965. 100 N48A
- 40787 CELI, G., and ANTONI, A. Metodo colorimetrico per la determinazione dell'acido solforoso nelle marmellate [Colorimetric determination of sulfur dioxide in marmalades]. Rome. Staz. Chim.-Agr. Sperim. Ann. Ser. III, Pubbl. 228, 7 p. 1964. 105.4 R66
English summary.

- 40788 FLESCH, P., and HOLBACH, B. Degradation of L-malic acid by lactic acid bacteria. II. Comparative investigation of the malate decomposing enzyme in different species of *Lactobacillus plantarum*. (Ge) Arch. Mikrobiol. 52 (2):147-153. Oct.14,1965. 442.8 Ar26
- 40789 FOX, H. Higher "brix" content may raise orange juice price. Frozen Foods 19(1):43. Jan.1966. 295.8 Q4
- 40790 HEE, L. VAN. The bitter substances in *Cichorium intybus*. (Fl) Land- Tuinbouw Jaarboek 20:39-44. Ref. 1965. 13 L22
Literature review.
- 40791 HILL, E., and FIELDS, M. L. Ethyl alcohol as a chemical index to the microbial quality of apple juice. Food Technol. 20(1):77-80. Ref. Jan.1966. 389.8 F7398
- 40792 IONESCU, A. I. Composition and consumption of grapes. (Rum) Gradina, Via Livada 14(7): 22-29. July 1965. 80 G75
- 40793 KISS, R., and HOLLY, I. Data from the composition and storage examination of carrots. (Hu) Kiserletugyi Kozlemenyek 58/C(1):179-202. Ref. 1965. 105.9 H89
English summary.
- 40794 KOIVISTOINEN, P., and others. Post-harvest insecticide residues: Extraction of malathion residues from fruits. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.9-22. Ref. 1964. 464.40 H36
A. Karinpaa, M. Kononen, and L. Vanhanen, joint authors.
- 40795 KOIVISTOINEN, P., and others. Post-harvest insecticide residues: Malathion residues on fruit treated by dipping. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.23-50. 1964. 464.40 H36
A. Karinpaa, M. Kononen, and P. Roine, joint authors.
- 40796 LATIES, G. G. Inhibition of RNA and protein synthesis by chloral in potato slices. Plant Physiol. 40(6):1237-1241. Nov.1965. 450 P692
In storage.
- 40797 MICULKA, B. Determination of solid substances of world varieties of strawberries by refractometry. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):287-302. Ref. Mar.1965. 64.9 C33
Russian and German summary.
- 40798 NEHRING, P., and KLINGER, H. The evaluation of fruit jams. I. On the fruit weight in jams. (Ge) Z. Lebensmittel-Untersuchung - Forsch. 129(1):1-9. Ref. 1965. 384 Z39
- 40799 PARKER, B. L. A carbamate bioassay technique and improved rearing procedure for *Daphnia magna*. Diss. Abs. 26(6):2944. Dec. 1965. 241.8 M58
Analysis of vegetable crops.
- 40800 SOLER MARTINEZ, A., SABATER GARCIA, F., and LOZANO, J. A. Behavior of phenolase from apricots in relation to pH time, and temperature. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):353-358. July/Sept.1965. 389.8 R324
- 40801 STORHERR, R. W., and WATTS, R. R. A sweep co-distillation cleanup method for organophosphate pesticides. I. Recoveries from fortified crops. Ass. Offic. Agr. Chem. J. 48(6):1154-1158. Dec.1965. 381 As7
Fruit and vegetables.
- 40802 WATTS, R. R., and STORHERR, R. W. A sweep co-distillation cleanup method for organophosphate pesticides. II. Rapid extraction method for crops. Ass. Offic. Agr. Chem. J. 48(6):1158-1160. Dec.1965. 381 As7
Tests on kale.
- 40803 WOLF, W. J., SLY, D. A., and KWOLEK, W. F. Carbohydrate content of soybean proteins. Cereal Chem. 43(1):80-94. Ref. Jan. 1966. 59.8 C33
- 40804 ZARKADAS, C. G., and BAKER, B. E. The constitution of leguminous seeds. IV. The proteins of *Phaseolus mungo*. J. Sci. Food Agr. 16(12):729-733. Ref. Dec.1965. 382 So12
- 40805 ZARKADAS, C. G., HENNEBERRY, G. D., and BAKER, B. E. The constitution of leguminous seeds. V. Field peas (*Pisum sativum* L.). J. Sci. Food Agr. 16(12):734-738. Ref. Dec.1965. 382 So12
- Consumption and Utilization
- 40806 ROYO IRANZO, J. Development of citrus juice consumption and circumstances influencing it. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3): 263-267. July/Sept.1965. 389.8 R324
- 40807 SCHARFENSTEIN, O. H. C. Confectionery and jams in competition. (Ge) Indus. Obst- Gemüseverwertung 51(1):5-7. Jan.6,1966. 389.8 K832
Consumption.
- Distribution, Marketing, and Transportation
- 40808 ANDERSEN, B. Prospects for future fruit marketing. (Da) Erhvervsfrugtavlere 32(7): 272-275. July 1,1965. 80 Er3
- 40809 BELL, D. Models of commodity transfer with special reference to the lemon industry. Diss. Abs. 26(6):3080-3081. Dec.1965. 241.8 M58
- 40810 BENNETT, J. F. New costs, prices, competition. West. Grower Shipper 36(12):19-20,30. Dec.1965. 280.38 W52
Vegetables.
- 40811 BRETEAU. The supplying of large cities with fruit and vegetables. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.220-222. 1965. 389.9 F843
- 40812 CANNIERE, DE. The supplying of Brussels-fruit and vegetables. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.137-142. 1965. 389.9 F843
- 40813 CHELLIG. Marketing of fruit and vegetables in Algeria. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.238-241. 1965. 389.9 F843
- 40814 CLERC, H. Conditions of sound supplying of large cities by fruit and vegetable producer groups. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.243-244. 1965. 389.9 F843
- 40815 DALBEY, H. M. The use of regression analysis in evaluating agricultural promotion programs, with special reference to the Oregon-Washington-California Pear Bureau. Diss. Abs. 26(6):3086-3087. Dec.1965. 241.8 M58
- 40816 DIAZ DELGADO, D. The present situation of fruit transportation in Colombia. (Sp) Inst. Invest. Tecnol. Rev. 7(37):13-17. Sept./Oct. 1965. 241.4 In73
- 40817 GODWIN, M. R., CHAPMAN, W. F., and MANLEY, W. T. Competition between Florida and California Valencia oranges in the fresh market. Fla. Agr. Exp. Sta. Bull. 704,28 p. Dec. 1965. 100 F66S
Florida Citrus Commission and U. S. Department of Agriculture, cooperating.
Effects of supply on prices; effects of price changes on consumption patterns.
- 40818 GODWIN, M. R., and MANLEY, W. T. Demand and competitive relationships for Florida and greenhouse-grown tomatoes. Fla. Agr. Exp. Sta. Bull. 703,22 p. Dec.1965. 100 F66S
U. S. Department of Agriculture, cooperating.
- 40819 GREAT BRITAIN. POTATO MARKETING BOARD. Annual report and statement of accounts 1965. London, 1965. 36 p. 280.3759 G79
- 40820 HALVORSON, B. Central Arizona's vegetable deal. West. Grower Shipper 36(11):83-84. Nov.1965. 280.38 W52

- 40821 HOFERECHE. The new wholesale markets of Berlin. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.82-84. 1965. 389.9 F843
Horticultural products and meat.
- 40822 HOPKIN, J. A. An outsider's view of the produce industry. West. Grower Shipper 36(12): 23-26. Dec.1965. 280.38 W52
Outlook in vegetable market.
- 40823 KLEINE, H. J. How are we doing in advertising our fruit? (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(6):218-221. June 1965. 85 J76
- 40824 LOHDEN, A., and RAUTENBERG, B. Harvest and marketing of strawberries, black currants, and sour cherries in the Lower Elbe area in 1964. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(5):188-194. May 1965. 85 J76
- 40825 MARGOTTI, G. New distribution channels for horticultural products. 1. (It) Rass. Agr. Ital. 20(11):29-31. Nov.1965. 281.8 R18
Installment deals with cooperation and extension of large-scale selling as in chain and self-service stores.
- 40826 MARGOTTI, G. New distribution circuits for horticultural products. 2. (It) Rass. Agr. Ital. 20(12):30-31. Dec.1965. 281.8 R18
- 40827 MARTIN, K. Carrots are changing course in South Texas. Prod. Marketing 9(2):17-18. Feb.1966. 280.28 P943
Marketing.
- 40828 MARTINI, L., and GAMALERO, R. The sending of grapes to the cooperative wine cellars. (It) Cronache Econ. 275/276:68-72. Nov./Dec. 1965. 280.8 C882
- 40829 MAYERS, J. M. The marketing of food crops in Barbados; towards a concept of food distribution in the Caribbean. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:123-125. 1964. 64.9 C19
Chiefly vegetables.
- 40830 MEISSNER, F. Sale of horticultural products through supermarkets: preliminary recommendations. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 210:23-26. June 1965. 9 Id3
- 40831 OESERT, K. Potato production from the viewpoint of marketing. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 135:3-11. Dec.15, 1965. 281.8 B462
Production statistics, yields, consumption, and prices.
- 40832 PATUELLI, V. Needs and methods of increasing integration, in the market, of Italian horticultural and fruit production according to modern marketing requirements. (It) Rev. Frio 9 (1):13-26. Jan./Mar.1964. 295.8 R324
English summary.
- 40833 PERKINS, F. A. Opportunities in marketing New Jersey blueberries. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:8-11. 1965. 94.35 N46A
- 40834 RAYMALEY, F. A. The proposed blueberry council for New Jersey. N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc. 33:12-14. 1965. 94.35 N46A
- 40835 ROBIN, F. The attitude of French fruit and vegetable producers with regard to problems posed by the supplying of large cities. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.214-219. 1965. 389.9 F843
- 40836 TAYLOR, E. A. The market impact of synthetics. Citrus Eng. Conf. Trans. 11:1-6. Mar.24, 1965. 389.9 C49
Orange flavored concentrates.
- 40838 CARLIN, A. F., HIBBS, E. T., and DAHM, P. A. Insecticide residues and sensory evaluation of canned and frozen snap beans field-sprayed with guthion and DDT. Food Technol. 20(1):80-84. Ref. Jan.1966. 389.8 F7398
- 40839 CORNU, P. Certification of potato plants. (Fr) Agr. Romande (ser.A)4(11):86-88. Nov. 1965. 17 Ag8
- 40840 DEMEL, J. Five years of international food value testing of potatoes. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:132-139. 1965. 105.9 V675
Varietal groupings for cooking quality.
- 40841 DURAN, L., and others. Industrial quality of green beans. I. Yields and quality parameters of some varieties for processing. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):340-348. Ref. July/Sept.1965. 389.8 R324
P. Cunat, J. Flores, and D. Martinez, joint authors.
- 40842 GETZENDANER, M. E., and RICHARDSON, H. H. Bromide residues from methyl bromide fumigations of fruits and vegetables subjected to quarantine schedules. J. Agr. Food Chem. 14(1):59-62. Ref. Jan./Feb.1966. 381 J8223
- 40843 HELSINKI, YLIOPISTO. RAVINTOKEMIAN LAITOS. Final technical report on studies on residues of post-harvest insecticides and fungicides: methods of determination; factors affecting rate of disappearance; stability on plant products, and effect on food quality, May 17, 1960-August 31, 1964. Helsinki, 1964. 176 p. Ref. 464.40 H36
Fruit and vegetables.
- 40844 KOIVISTOINEN, P., KARINPAA, A., and KONONEN, M. Insecticide residues: Disappearance rates of malathion residues as affected by previous treatments with paraoxon, parathion, and malathion. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.73-85. 1964. 464.40 H36
In fruit and vegetables.
- 40845 KOIVISTOINEN, P., and others. Post-harvest chemicals: Magnitude and stability of captan residues in fresh and preserved plant products. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.130-159. Ref. 1964. 464.40 H36
A. Karinpaa, M. Kononen, and P. Roine, joint authors.
Fruit and vegetables.
- 40846 KOIVISTOINEN, P., and KARINPAA, A. Post-harvest chemicals: Stability of isopropyl N-phenylcarbamate (IPC) and isopropyl N-(3-chlorophenyl) carbamate (CIPC) residues on fruits treated after harvest. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.160-176. Ref. 1964. 464.40 H36
- 40847 KOIVISTOINEN, P., VANHANEN, L., and KOSKINEN, E. H. Post-harvest insecticide residues: Disappearance of malathion residues from gooseberries at different residue levels. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.86-94. Ref. 1964. 464.40 H36
- 40848 KOIVISTOINEN, P., and others. Post-harvest insecticide residues: Stability of malathion residues in food processing and storage. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.51-72. 1964. 464.40 H36
M. Kononen, A. Karinpaa, and P. Roine, joint authors.
Fruit and vegetables.
- 40849 LINDBLOM, H. Mechanical firmness of various potato varieties. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:40-42. 75.8 Sv2
Keeping quality.

Grading, Inspection, Standardization, and Quality

- 40837 BRODERICK, J. J. What is important in peach flavor? Amer. Perfumer Cosmet. 81(2):43-45. Feb.1966. 308.8 Am3

- 40850 MACLACHLAN, D. S. Seed potato certification in Canada-present and future. *Agr. Inst. Rev.* 21(1):12-14. Jan./Feb.1966. 7 Ag8
- 40851 MIDDLEBROOKS, B. M. A procedure for determination of fruit quality at time of receipt. *Citrus Eng. Conf. Trans.* 11:48-58. Mar.24, 1965. 389.9 C49
- 40852 MUNSTER, J. Official Swiss grading of potato varieties in 1966. (Fr) *Agr. Romande (ser.A)* 4(11):77-81. Nov.1965. 17 Ag8
- 40853 EL-ODE, K. E. Amino acids and sugars as possible flavor-generating reactants in potato products. *Diss. Abs.* 26(6):3237. Dec.1965. 241.8 M58
- 40854 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. International standardisation of fruit and vegetables. OECD (Organ. Econ. Co-op. Develop.) *Doc. Agr. Food* 64,349 p. 1965. 28 Or32
- 40855 POPA, E. A contribution to the study of technological quality of the Danasana grape variety from vineyards of Tirnave. (Rum) *Gradina, Via Livada* 14(7):39-43. July 1965. 80 G75
Includes composition.
- 40856 POTAPENKO, M. Control of the elite quality. (Rus) *Kartofel' Ovoshchi* 12:44-46. Dec.1965. 75.8 K147
Seed potatoes.
- 40857 TEW, R. P., and SILLIBOURNE, J. M. Mercury residues in apples from trees receiving organomercurial fungicide in the previous autumn and winter. *Ann. Appl. Biol.* 56(2):293-296. Ref. Oct.1965. 442.8 An72
- 40858 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. Standardization of perishable foodstuffs: ribbed celery. United Nations. *AGRI/WP.1/EUR.STAN* 26,4 p. 1964. 280.39 Un34

Packing and Packaging

- 40859 BAKER, M. Blueberry packing costs—mechanization vs. hand method. *N. J. Agr. Exp. Sta. Annu. Blueberry Open House. Proc.* 33:11-12. 1965. 94.35 N46A
- 40860 BLANK, H. G. Caution when storing in polyethylene bags. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(4):138-140. Apr.1965. 85 J76
- 40861 CARLSSON, H. Packing materials for potatoes. (Sw) *Sveriges Potatisodlares Riksforbund. Potatis* 1965:67. 75.8 Sv2
- 40862 HUGHES, W. E. Composite cans for frozen citrus concentrate products. *Citrus Eng. Conf. Trans.* 11:30-38. Mar.24,1965. 389.9 C49
- 40863 KASMIRE, R. F. Packing and handling cantaloupes for consumers. *West. Grower Shipper* 36(11):105. Nov.1965. 280.38 W52
- 40864 KRAGHT, A. J. Waxing peaches with the consumer in mind. *Prod. Marketing* 9(2):20-22. Feb.1966. 280.38 P943
- 40865 LAVENIA, A. C. How to avoid bruising in pear and apple packing. (Sp) *Frutas* 7(74/75):18,20. Sept./Oct.1965. 286.83 F9427
- 40866 OEBKER, N. F., HARRIOTT, B. L., and KASMIRE, R. F. Lettuce containers and head characteristics. *West. Grower Shipper* 36(11):98-103,110. Nov.1965. 280.38 W52
- 40867 PEIKER, J. Containers for berries. (Cz) *Ovocnarstvi Zelinarstvi* 13(7):192-193. 1965. 80 Ov64
- 40868 SCOTT, R. R. The packaging problem; an industry-wide program. *West. Grower Shipper* 36(11):97,120. Nov.1965. 280.38 W52
For vegetables.
- 40869 UPTMOOR, J. H. Vorverpackung von Obst [Prepackaging of fruit]. *Kuratorium Tech. Landwirt. Ber. Landtech.* 87,117 p. 1965. 18 K96
English summary.

Prices, Price Control, and Rationing

- 40870 BEN-DAVID, S. Price analysis and storage rules for fresh apples in New York State. *Diss. Abs.* 26(6):3081. Dec.1965. 241.8 M58
- 40871 GLJSBERTS, L. Prospects for small fruit. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(7/8):398-400. July/Aug.1965. 86 N384
Chiefly prices.
- 40872 HILL, L. D. A bargaining model for predicting price adjustments to technological change. *J. Farm Econ.* 48(1):75-87. Feb.1966. 280.8 J822
Illustrated by the Michigan asparagus industry.
- 40873 LEMKE. Seed or food potatoes? (Ge) *Be-triebswirtsch. Mitt. Wirtschaftsberater* 135:13-14. Dec.15,1965. 281.8 B462
Prices and acreage.
- 40874 LOEWEL, E. L., and LOHDEN, A. What were the prices for our stored fruit from Feb. 1 to June 1, 1965? (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(6):210-213. June 1965. 85 J76
- 40875 MILLER, C. J. Price and quality of tablestock potatoes. *Amer. Potato J.* 41,i.e.43(1):22-31. Ref. Jan.1966. 75.8 P842
- 40876 SCHURMANN, A. The West German fruit culture in the face of new developments. (Ge) *Obstbauversuchsring Alten Landes. Mitt.* 20(4):140-149. Apr.1965. 85 J76
High production costs and lower prices.
- 40877 WOHLKEN, E., and LAUENSTEIN, H. Analysis of price formation for potatoes. II. Seasonal behavior of potato prices. (Ge) *Agrarwirtschaft* 15(1):15-26. Jan.1966. 281.8 Ag826
English summary.

Processing and Storage

- 40878 AHARONI, Y., WAKS, J., and LATTAR, F. S. Degreening experiment on oranges at the beginning of the picking season, 1962/63. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 502,24 p. Aug.1965. 107 R26
English summary.
Use of ethylene gas.
- 40879 AKAMINE, E. K. Fumigation of bananas with special reference to ripening. *Hawaii Farm Sci.* 14(2):1-3. Apr.1965. 100 H314
EDB (ethylene dibromide).
- 40880 ALBEROLA, J. Advances in the controlled atmosphere storage of fruits. (Sp) *Rev. Agro-quim. Tecnol. Aliment.* 5(3):277-278. July/Sept.1965. 389.8 R324
- 40881 BEN-DAVID, S., and TOMEK, W. G. Storing and marketing New York State apples, based on intraseasonal demand relationships. *N. Y. (State) Agr. Exp. Sta. Bull.* 1007,35 p. Ref. Nov.1965. 100 N48
- 40882 BLANCHFIELD, J. R. Modern developments in traditional fruit and vegetable preservation. *Int. Food Indus. Congr. Proc.* 1964:89-97. Ref. 389.9 In836
Includes discussion.
- 40883 BOGIN, E., and WALLACE, A. Investigations of processes in avocado fruit ripening. *Calif. Agr.* 19(10):11-12. Oct.1965. 100 C12Cag
Includes research on growth regulators.
- 40884 BRAMLAGE, W. J., and LIPTON, W. J. Gamma radiation of vegetables to extend market life. *U. S. D. A. Marketing Res. Rep.* 703,16 p. Ref. Oct.1965. 1 Ag84Mr
- 40885 BRING, S. V. Total ascorbic acid of shoe string potatoes. *Amer. Diet. Ass. J.* 48(2):112-115. Feb.1966. Ref. 389.8 Am34
- 40886 BURG, S. P., and BURG, E. A. Relationship between ethylene production and ripening in bananas. *Bot. Gaz.* 126(3):200-204. Ref. Sept. 1965. 450 B652

- 40887 CITRUS ENGINEERING CONFERENCE, 11, LAKELAND, FLA., 1965. Transactions. Lakeland, 1965. 79 p. Mar.24,1965. 389.9 C49
Sponsored by Florida Section, American Society of Mechanical Engineers.
- 40888 CIVETTA, A., GAITAN, F., and MULLER, C. J. Physical and chemical changes of papaya during storage and ripening. (Sp) Inst. Invest. Tecnol. Rev. 7(37):33-45. Ref. Sept./Oct. 1965. 241.4 In73
- 40889 CUNNINGHAM, H. H., ZAEHRINGER, M. V., and SPARKS, W. C. Effect of storage temperature and sprout inhibitors on mealiness sloughing, and specific gravity of Russet Burbank potatoes. Amer. Potato J. 41,i.e.43(1):10-21. Ref. Jan.1966. 75.8 P842
- 40890 DAWSON, G. J. Pressure control on carton and pallet accumulation conveyors bulk container conveyor systems. Citrus Eng. Conf. Trans. 11:7-16. Mar.24,1965. 389.9 C49
- 40891 DIEZ GARCIA, A. Study on control of rot of table grapes. (Sp) Agricultura [Madrid] 34 (395):127-133. Mar.1965. 15 Ag84
Includes treatment with sulfur dioxide.
- 40892 DRY BEAN RESEARCH CONFERENCE, 7, ITHACA AND GENEVA, NEW YORK, 1964. [Report]. U. S. Agr. Res. Serv. ARS-74-32, 94 p. July 1965. A381 R31Ab
Sponsored by National Dry Bean Council, U. S. Department of Agriculture, and State Agricultural Experiment Stations. Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division of the Agricultural Research Service of USDA.
- 40893 GEORGOPOULOS, S. G., MACRIS, B., and GEORGIADOU, E. Reduction of radiation resistance in fruit spoilage fungi by chemicals. Phytopathology 56(2):230-234. Ref. Feb.1966. 464.8 P56
- 40894 GERSONS, L. Developments in processing of small fruit. (Du) Neth. Dir. Tuinbouw. Mededel. 28(7/8):393-394. July/Aug.1965. 86 N384
- 40895 GORDON, J., and others. The effect of freezing treatments on the quality of certain frozen foods. Penn. Agr. Exp. Sta. Bull. 727,17 p. Dec.1965. 100 P381
I. R. Payne, K. Q. Stephenson, and J. F. Cone, joint authors.
Effects of blanching on asparagus, peas, and corn.
- 40896 HANAOKA, T., and others. Studies on the breeding of strawberries adapted to the northern part of Japan. III. The adaptability of strawberry varieties to the processing by freezing. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:105-112. Ref. Mar.1965. 87 M822
T. Takai, S. Henmi, T. Sato, and T. Endo, joint authors.
English summary.
Effects of freezing on quality.
- 40897 HAUSMANN, K. Recipe for the conservation of mushrooms. (Cz) Mykol. Sb. 42(7/8):116. Oct.1965. 450 C27
- 40898 HAWLEY, H. B. The cold sterilisation of beverages. Int. Food Indus. Congr. Proc. 1964:97-103. Ref. 389.9 In836
Includes fruit juices and wine.
Includes discussion.
- 40899 HENNIGER, H. Investigations on tuber and storage rot of potatoes. I. Techniques for testing resistance against the causal organism of bacterial soft rot (*Pectobacterium carotovorum*) var. *atrosepticum* (van Hall) Dowson. (Ge) Zuchter 35(4):174-180. Ref. 1965. 442.8 Z8
- 40900 HERNANDEZ, E., DURAN, L., and MORELL, J. Use of tylosin in the sterilization of pepper preserves. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):349-352. July/Sept.1965. 389.8 R324
- 40901 HERREGODS, M. Gas storage of horticultural products. (Fl) Land- Tuinbouw Jaarboek 20: 221-229. 1965. 13 L22
- 40902 HERRMANN, M. Drying processes in the fruit and vegetable processing industry. (Ge) Indus. Obst- Gemuseverwertung 51(1):23-24. Jan.6, 1966. 389.8 K832
- 40903 HILKENBAUMER, F. Storage of stone fruits. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:93-110. Ref. 1964. 27 H652
Costs included.
- 40904 HOFF, J. E., and NELSON, P. E. An investigation of accelerated water-uptake in dry pea beans. Ind. Agr. Exp. Sta. Res. Progr. Rep. 211,13 p. Ref. Dec.1965. 100 In2Res
- 40905 HOOVER, M. W. An enzyme process for producing sweet potato flakes from starchy and uncured roots. Food Technol. 20(1):84-87. Jan.1966. 389.8 F7398
- 40906 HRUSCHKA, H. W. Abscission of petiole bases in stored rhubarb stalks. Plant Dis. Rep. 49 (12):959-960. Dec.1965. 1.9 P69P
- 40907 KELENY, G. P. Sweet potato storage. Papua New Guinea Agr. J. 17(3):102-108. Ref. Aug. 1965. 23 N453
- 40908 KLEKOVKIN, E., and GORLENKO, P. Problems of potato processing in Estonia. (Rus) Kartoffel' Ovoshchi 12:52-54. Dec.1965. 75.8 K147
- 40909 KOIVISTONEN, P., and others. Post-harvest chemicals: The effect of captan, IPC, CIPC, and malathion on the keeping quality of plant commodities in storage. In Helsingfors. Universitet. Ravintokemian Laitos. Final technical report on studies on residues of post-harvest insecticides and fungicides, p.177-196. 1964. 464.40 H36
A. Koskinen, M. Schulman, A. Karinpa, A. Salonen, and P. Roine, joint authors.
Fruit and vegetables.
- 40910 KOTT, V. Storage of fruit in plastics. (Cz) Ovocnarstvi Zelinarstvi 13(7):195-196. 1965. 80 Ov64
- 40911 KUSHMAN, L. J., and WRIGHT, S. Sweet sleeping for sweet potatoes. Res. Farming [N. C. Sta.] 24(2):10. Autumn 1965. 100 N81R
Overhead ventilation in storage.
- 40912 LANCE, C., and others. Metabolic processes in cytoplasmic particles of the avocado fruit. VII. Oxidative and phosphorylative activities throughout the climacteric cycle. Plant Physiol. 40(6):1116-1123. Ref. Nov.1965. 450 P692
G. E. Hobson, R. E. Young, and J. B. Biale, joint authors.
In storage.
- 40913 LANGOUCHE, P. An application of electricity in agriculture; potato ventilation. (Fl) Land- Tuinbouw Jaarboek 20:375-383. 1965. 13 L22
Storage.
- 40914 LEKHNOVICH, V. Storage of potatoes in German Democratic Republic. (Rus) Kartoffel' Ovoshchi 12:58-59. Dec.1965. 75.8 K147
- 40915 MANN, G. Refrigerated stores for fruit. Ed. 2. Great Brit. Min. Agr. Fish. Food. Bull. 159, 29 p. 1965. 10 G794B
- 40916 MAREK, A. Dried mushrooms from the USSR. (Cz) Mykol. Sb. 42(7/8):116. Oct.1965. 450 C27
- 40917 MONTIGNY, C. Change in the industry of potatoes; some aspects of potato chips industry. (Fr) Coop. Agr. [Paris] 13(144):19-22. Jan. 1966. 280.28 C78972
Manufacture and quality.
- 40918 NAGARAJA, N., and MATHEW, A. G. Effect of initial concentration of carbon dioxide in modified atmosphere on the storage behaviour of brinjals. J. Food Sci. Technol. [Mysore] 1(3): 43-44. Oct.1964. 389.8 J823
- 40919 NILSSON, L. Phoma-rot—a storage disease. (Sw) Sveriges Potatisodlares Riksförbund. Potatis 1965:42-44. 75.8 Sv2

- 40920 PENN, F. E., and CHIRIQUI, C. DE. Citrus processing outside of the United States. Citrus Eng. Conf. Trans. 11:59-77. Mar.24,1965. 389.9 C49
Includes statistics.
- 40921 PICARD, M. Operation of a fruit station. (Fr) France. Min. Agr. Bull. Tech. Inform. 205:973-978. Dec.1965. 14 F844B
Processing and packing in France.
- 40922 PRAY, L. W., and POWERS, J. J. Acidification of canned tomatoes. Food Technol. 20(1):87-91. Ref. Jan.1966. 389.8 F7398
- 40923 PRIMO, E., and others. The DSDA [Dearomatization-Sulfuring-Desulfuring-Aromatization] procedure and preservation of grape juice; storage trials. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):363-369. July/Sept.1965. 389.8 R324
P. Cunat, J. M. Cohenca, and B. Lafuente, joint authors.
- 40924 ROBERTS, E. A., WILLIS, R. B. H., and SCOTT, K. J. The effects of change in concentration of carbon dioxide and oxygen on storage behaviour of Jonathan apples. Australian J. Exp. Agr. Anim. Husb. 5(17):161-165. May 1965. 23 Au792
- 40925 RUS, V., and POLEAC, E. Aspects of the drying of mushrooms with mechanical driers. (Rum) Rev. Padurilor 80(9):475-477. Sept. 1965. 99.8 R327
- 40926 SABUROV, N., and SHIROKOV, E. In close cooperation with production. (Rus) Kartoffel' Ovoshchi 12:20-23. Dec.1965. 75.8 K147
Activities of Timiryazev Agricultural Academy Cathedra for Storage and Processing of Fruit and Vegetables [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya Kafedra Khraneniya i Pererabotki Plodov i Ovoshchei].
- 40927 ŠAVAGE, Z. Citrus certified for processing fourth highest in history. Citrus Veg. Mag. 29(5):34. Jan.1966. 80 C498
Florida statistics.
- 40928 SHIRK, R. J., KLINE, E. F., and CLARK, W. L. The effect of pimaricin in the control of yeast growth in orange juice concentrates. Food Technol. 20(1):91-93. Ref. Jan.1966. 389.8 F7398
- 40929 SHUMETOV, G. Losses of potatoes in storage. (Rus) Kartoffel' Ovoshchi 12:48-51. Dec.1965. 75.8 K147
- 40930 SPINKA, J. Biochemical processes in the stored fruit. (Cz) Ziva 13(4):139-140. July 1965. 409.6 Z6
- 40931 TAYLOR, P. V. Sweeter grapefruit juice process passes initial taste testing. Canner/Packer 135(2):37-38. Feb.1966. 286.83 C16
- 40932 TINDALE, G. B. Apple and pear cool storage in Victoria. 8. Cool storage in controlled atmospheres—general aspects. J. Agr. [Melbourne] 63(11):534-540. Nov.1965. 23 V66J
- 40933 TROITSKII, I. Ventilation of potato piles. (Rus) Kartoffel' Ovoshchi 12:46-48. Dec.1965. 75.8 K147
- 40934 TUCKER, C. G. The drying of vegetables by hot air. Int. Food Indus. Congr. Proc. 1964: 58-62. 389.9 In836
- 40935 WORTHINGTON, J. T., and SMITH, W. L. Postharvest decay control of red raspberries. Plant Dis. Rep. 49(9):783-786. Ref. Sept.1965. 1.9 P69P
- 40936 ZEEUW, D. DE. Irradiation of foods, especially fruits and vegetables. (Fl) Ghent. Landbouwhoegech. Mededel. 30(2):657-666. 1965. 105.1 G344
- 40937 ZHUKOVSKII, D. Deficiency in compulsory ventilation. (Rus) Kartoffel' Ovoshchi 12:51-52. Dec.1965. 75.8 K147
Vegetables.
- Statistics
- 40938 CANADA. BUR. OF STATISTICS. Greenhouse industry, 1963. Ottawa, 1965. 19 p. 253 St23G
Text also in French.
Vegetables and ornamentals.
- 40939 CANADA. BUR. OF STATISTICS. AGRICULTURE DIV. CROPS SECT. Value of fruit production 1964. Ottawa, 1965. 5 p. 253 St23Fv
- 40940 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbau und Weinbau [Horticulture and grape culture], 1964. Stuttgart, 1964. 70 p. (Its Land-und Forstwirtschaft, Fischerei, Reihe 2) 265 G318Gu
- 40941 MARIAN, I. Methodology of the 1965 census of fruit and vineyards. (Rum) Rev. Statist. 14 (10):16-21. Oct.1965. 267.8 St22
- 40942 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF HORTICULTURE. New South Wales fruit planting census as of 31st December, 1964. n.p., 1964. 73 p. 271.8 Ag82
- 40943 PATT, J. Crop estimates. Agr. Israel 10(9): 51. June 1965. 22.5 Ag825
Citrus.
- GRAIN AND GRAIN PRODUCTS
- 40944 ABDULLAH, M., and others. The mechanism of carbohydrase action. II. Cereal Chem 43 (1):111-118. Ref. Jan.1966. 59.8 C33
B. J. Catley, E. Y. C. Lee, J. Robyt, K. Wallenfels, and W. J. Whelan, joint authors.
- 40945 AGRI-RESEARCH. Bases for efficient marketing technique of rice in Peru. (Sp) Vida Agr. [Lima] 42(498):241,243-245,249-251,253, 255-263. (Cont.) May 1965. 9.8 V66
- 40946 ALLEN, R. W. Pneumatic handling of bulk flour and sugar. Int. Food Indus. Congr. Proc. 1964:206-214. 389.9 In836
- 40947 ANDERSON, R. A. Wet-milling characteristics of class 8 amylomaize. Cereal Chem. 42(6): 580-581. Nov.1965. 59.8 C33
High amylose corn.
- 40948 ARMSTRONG, D. F. Report concerning a mission conducted in Canada. (Fr) Meun. Franc. 214:18-20. July 1965. 298.8 M57
Wheat marketing system.
- 40949 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Statistical bulletin: The wheat industry, No. 108, 1964-1966 (preliminary). Canberra, 1966. 20 p. 271 Au72Ms
- 40950 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIA OFF. Primary production in Western Australia: cereal crops: season 1964-65, No. 40, 1965. Perth, 1965. 4 p. 271.7 C333
- 40951 BACHENBERG, D. A. The changes that lie ahead for co-ops. Co-op Grain Quart. 23(3):4-7. Fall 1965. 280.28 C7898
Of grain marketing.
- 40952 BAIDA, T. A. Determination of final quantity of Simazine and Atrazine in corn and soil. (Rus) Khim. Sel'skom Khoz. 3(8):53-55. Aug. 1965. 385 K524
- 40953 BARBER, S. Instant wheat flours. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(3):271-273. July/Sept.1965. 389.8 R324
- 40954 BARES, I., and PRUGAR, J. Quality of grain of the world varieties of wheat. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav, Vedeckotech. Inform. Rostlinna Vyroba 38(3): 221-230. Mar.1965. 64.9 C33
Russian and German summary.
- 40955 BATZ, B. DE. Quality and regionalism. (Fr) Brasserie 19(216):260,262-263,265-266,268, 270. Oct.1964. 390.9 B734
Barley.

- 40956 BECKWITH, A. C., and others. Isolation and characterization of a high-molecular-weight protein from wheat gliadin. *Cereal Chem.* 43(1):14-28. Ref. Jan.1966. 59.8 C33
H. C. Nielsen, J. S. Wall, and F. R. Huebner, joint authors.
- 40957 BEDETTI, G. The 1964-65 grain season. (It) *Agr. Ferrarese* 69(8):149-154. Aug.31,1965. 16 Ag87
- 40958 BENI, G. G. Vulnerability of stored corn to molds. (Rus) *Kukuruza* 8:42-43. 1965. 59.8 K95
Penicillium.
- 40959 BOHMOVA, J., and PRUGAR, J. Fast methods of the determination of the content of nitrogen in plants. 4. Stabilization of the biuret with glycerol and sodium potassium tartrate during the determination of proteins in the grain. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):327-330. Mar.1965. 64.9 C33
Russian and German summary.
- 40960 BOLLING, H. The evaluation of quality wheats. (Ge) *Deut. Muller-Zeitung* 63(16):400-401. Aug.12,1965. 298.8 Su2
- 40961 BOLLING, H. Sedimentation value—problems of method and practical experiences. (Ge) *Getreide Mehl* 16(1):5-8. Jan.1966. 298.8 G332
Wheat.
- 40962 BRADY, N. C. Wheat research. *Co-op Grain Quart.* 23(3):42-46. Fall 1965. 280.28 C7898
- 40963 CANADA, BUR. OF STATISTICS. Breakfast cereal manufacturers, 1963. Ottawa, 1966. 17 p. (Annual Census of Manufactures) 253 C335Bre
Includes figures for grain consumption.
- 40964 CANADA, BUR. OF STATISTICS. Flour mills 1963. Ottawa, 1966. 18 p. (Annual Census of Manufactures) 298.9 C16
Grain and flour statistics included.
- 40965 CLARKE, J. W. The Winnipeg grain exchange in the Canadian economy. *Grain Rev.* 3(4):1-4 Oct.1965. 286.81 G767
- 40966 CLUSKEY, J. E., and WU, Y. V. Optical rotatory dispersion of wheat gluten, gliadin, and glutenin in acetic acid and aluminum lactate systems. *Cereal Chem.* 43(1):119-126. Ref. Jan.1966. 59.8 C33
- 40967 COLLIER, G. L. Flour treatment today. *Milling* 146(3):59-61,65. Jan.21,1966. 298.8 M622
- 40968 COSCIA, A. A., and TORIGINO, S. B. DE. Aspecto economico del maiz semientado amarillo [Economic aspects of semidentado yellow corn]. *Pergamino. Estac. Exp. Agropecuar. Inform. Tec.* 41,12 p. May 1965. 102.5 P413
Production costs and market situation included.
- 40969 DENIZET, J. Laboratory in a stocking organization. (Fr) *Tech. Meun.* 104:13-15. Nov./Dec.1965. 298.8 T22
Grain storage sanitation; testing equipment.
- 40970 ENIX, J. R., and MCDONALD, H. J. Wheat grading factors. *Kans. State Univ. Ext. L.* 19, 6 p.-folder. May 1965. 275.29 K13Le
- 40971 EYSTER, G. L. Is it really rice? *Rice J.* 69(2):18. Feb.1966. 59.8 R36
Rice in art.
- 40972 FAJERSSON, F. Comparative research with the prometer and Kjeldahl method with reference to varietal, fertilizer, and seasonal differences. (Ge) *Getreide Mehl* 16(1):2-5. Jan. 1966. 298.8 G332
English summary.
Wheat proteins.
- 40973 FARMERS ELEVATOR ASSOCIATION OF MINNESOTA. 1966 year book; a directory of licensed country elevators in Minnesota. Minneapolis, 1966. 164 p. 225 M66
- 40974 FARMERS GRAIN DEALERS ASSOCIATION OF NORTH DAKOTA. Farmers independent and line elevators in North Dakota, 1964 directory. Fargo, 1964. 129 p. 225 N813D
- 40975 FELLERS, D. A., and others. Solubilization and recovery of protein from wheat millfeeds. *Cereal Chem.* 43(1):1-13. Ref. Jan.1966. 59.8 C33
V. Sinkey, A. D. Shepherd, and J. W. Pence, joint authors.
- 40976 FERREL, R. E., and others. Moisture equilibrium of bulgur. *Cereal Chem.* 43(1):136-142. Jan.1966. 59.8 C33
A. D. Shepherd, R. Thielking, and J. W. Pence, joint authors.
- 40977 FERREL, R. E., KOHLER, G. O., and MICKUS, R. R. New rice coating materials. *Rice J.* 69(2):11-12,14-15. Feb.1966. 59.8 R36
Processing.
- 40978 FILIPPOVA, N. I., and BEKSLER, B. A. Possible use of sorghum in starch industry. (Rus) *Sakharn. Prom.* 1:69-75. Jan.1966. 65.8 Sa2
- 40979 GADGIL, D. R. Review of the progress of the implementation of the jowar procurement scheme by co-operative organisations in Maharashtra state. *Maharashtra Co-op. Quart.* 49(1):68-74. July 1965. 280.28 B63
- 40980 GEOFFROY, R. Aspects of wheat and flour quality for the year. (Fr) *Tech. Meun.* 104:5-7. Nov./Dec.1965. 298.8 T22
- 40981 GERMANY (FEDERAL REPUBLIC). BUNDESFORSCHUNGSANSTALT FUR GETREIDEVERARBEITUNG. Jahresbericht [Annual report], 1964. Berlin, 1965? 131 p. 281.3599 B45
- 40982 GRAMER, R. E., HEEREMA, J., and PARRISH, F. W. Distribution and structural form of phosphate ester groups in commercial starch phosphates. *Cereal Chem.* 43(1):104-111. Ref. Jan.1966. 59.8 C33
Cornstarch phosphates.
- 40983 HISCHE, H. H. Effects of conditioning of wheat on the products of fine grinding and air classification. *Diss. Abs.* 26(6):2943-2944. Dec.1965. 241.8 M58
- 40984 HRDLICKA, J., and JANICEK, G. Study of chemical composition of spring wheat. 1. Nitrogen substances. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):243-248. Ref. Mar.1965. 64.9 C33
Russian and German summary.
- 40985 HRDLICKA, J., POKORNY, J., and JANICEK, G. Study of the chemical composition of oats with and without the coating. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):231-242. Ref. Mar.1965. 64.9 C33
Russian and German summary.
- 40986 HRDLICKA, J., and JANICEK, G. Study of the chemical composition of spring wheat. 2. Sugars. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(3):249-252. Mar.1965. 64.9 C33
Russian and German summary.
- 40987 HYSLOP, J. D., and DAHL, R. P. Protein premiums—an important quality factor in hard wheat. *GTA (Grain Terminal Ass.) Dig.* 25(9):16-19. Nov.1965. 280.28 G11
- 40988 IL'INA, G. V., and RYDKII, S. G. Study of absorption of radioactive fission products by field crops. I. The accumulation of radioactive fission products by grain and oil plants. (Rus) *Moscow. Univ. Vestnik. Ser. 6*, 1:42-52. Ref. Jan./Feb.1965. 442.9 M854
- 40989 IONESCU, N. Growth of the production of grain as the main objective of agriculture. (Rum) *Probl. Econ. [Bucharest]* 18(7):56-69. July 1965. 280.8 P947
Acreage and yields.

- 40990 ISHIBASHI, S., and ABE, T. Study on the terminal velocity of grain group. (Ja) Soc. Agr. Mach. Jap. J. 27(3):185-187. Ref. Dec.1965. 58.9 Sol
English summary.
Aerodynamics of various types of grain.
- 40991 JOGLEKAR, V. M. Procurement of jowar in Maharashtra. Yojana 9(16):5-6. Aug.15,1965. 280.8 Y7
- 40992 KARAEVA, V. S. Baking and macaroni quality of winter durum wheat from Azerbaijan SSR. (Rus) Akad. Nauk Azerb. SSR. Dok. 21(5):78-81. 1965. 511 Ak147D
- 40993 KAY, C. M., and OKAWA, K. Hydrodynamic and optical rotatory dispersion studies on wheat germ soluble ribonucleic acid. Biochemistry 5(1):213-223. Ref. Jan.4,1966. 381 B522
- 40994 KLEIN, J. The quality of the 1965 wheat crop. (Hå) Malomipar Termenyforgalom 12(9):333-336. Nov./Dec.1965. 298.8 M292
- 40995 KLUG, H. Constructive hints on the building of grain elevators. (Ge) Deut. Muller-Zeitung 63(14):337-338,340-342. July 15,1965. 298.8 Su2
- 40996 KOCZOR, F. Study on the formation of qualifying factors of seed rice. (Hu) Kiserletugyi Kozlemenyei 57/A(3):27-52. Ref. 1964, pub. 1965. 105.9 H89
English summary.
Includes study of physical properties, cooking techniques and chemical composition.
- 40997 KULKARNI, N. S. Monopoly purchase of jowar. Maharashtra Co-op. Quart. 49(1):5-8. (Cont.) July 1965. 280.28 B63
- 40998 LÂMBRU, O., and MATEESCU, I. Results of the production of wheat on the state farms in the Constanta area. (Rum) Rev. Gosp. Agr. Stat 17(9):6-8. Sept.1965. 21 R32
Acreage and yields.
- 40999 LEE, C. C., and CHEN, C. H. A note on the disappearance of radicals trapped in gamma-irradiated starch and gluten. Cereal Chem. 42(6):573-576. Nov.1965. 59.8 C33
- 41000 LI, C. C., and LI, P. E. Transfer grain processing to the villages in a planned manner. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 55:18-19. Aug.24,1965. (JPRS 31,673; TT 65-32168) 173 J663Tram
Translation from Jen-min Jih-pao July 9, 1965:1.
- 41001 LONG, K. J. Developing plant sanitation training programs for cereal mill workers. Amer. Miller Processor 94(2):12,21-22. Feb.1966. 298.8 Am32
- 41002 LUDEWIG, K. R. Planning a grain elevator system. (Ge) Muhle 102(18):317. May 6,1965. 298.8 M89
- 41003 LUDEWIGS, W. The importance of flour treatment in the mill. (Ge) Muhle 102(17):299-300. Apr.29,1965. 298.8 M89
- 41004 MALTING BARLEY IMPROVEMENT ASSOCIATION. Know your 1966 malting barley varieties. Amer. Brewer 99(1):1-8, map. Jan.1966. 390.8 Am3
- 41005 MARK, A. M., and others. Oxygen permeability of amylo maize starch films. Food Technol. 20(1):75-77. Ref. Jan.1966. 389.8 F7398
W. B. Roth, C. L. Mehlretter, and C. E. Rist, joint authors.
- 41006 MCDOUGALL, J. L. The relative level of Crow's Nest grain rates in 1899 and in 1965. Can. J. Econ. Polit. Sci. 32(1):46-54. Feb. 1966. 280.8 C162
- 41007 MCVEY, D. H. Grain cooperatives. U. S. Farmer Coop. Serv. Bull. Reprint 1,20 p., map. 1965. A280.29 F22Bu
- 41008 MEDCALF, D. G., and GILLES, K. A. Determination of starch damage by rate of iodine absorption. Cereal Chem. 42(6):546-557. Ref. Nov.1965. 59.8 C33
In flour milling.
- 41009 MEDCALF, D. G., and GILLES, K. A. Wheat starches. I. Comparison of physicochemical properties. Cereal Chem. 42(6):558-568. Ref. Nov.1965. 59.8 C33
- 41010 MICHAUX, M. The tank truck in milling. (Fr) Meun. Franc. 214:21-25. July 1965. 298.8 M57
Flour transportation.
- 41011 MUBYARTO. The elasticity of the marketable surplus of rice in Indonesia: a study in Java-Madura. Diss. Abs. 26(6):3083-3084. Dec. 1965. 241.8 M58
- 41012 NAVA, F. J. A precipitation reaction as a quality indicator of polished rice. Rice J. 69(2):27-30. Ref. Feb.1966. 59.8 R36
Effects of drying on quality.
- 41013 OLSEN, A. T. Wheat production changes. Grainmer's Mirror 44(9):6. Sept.1965. 286.81 G76
- 41014 OYLOE, T. L. Great Britain seeks self-sufficiency in cereal production. Grain Age 7(2):8, 16. Feb.1966. 281.8 G76
- 41015 PRUGAR, J., and BOHMOVA, J. Fast methods of the determination of the content of nitrogen in plants. 3. Biuret method in the analysis of the grain. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):321-326. Mar.1965. 64.9 C33
German summary.
- 41016 RAO, S. N. R., and DESIKACHAR, H. S. R. Pearling as a method of refining jowar and wheat and its effect on their chemical composition. J. Food Sci. Technol. [Mysore] 1(3):40-42. Ref. Oct.1964. 389.8 J823
- 41017 RIMAN, L., and FOLTIN, J. Study of the technological and malt qualities of the world varieties of spring barley grown in the corn area. (Cz) Pol'nohospodarstvo 11(12):885-892. 1965. 19.5 P752
English summary.
- 41018 RINGLUND, K. Stivelseskvalitet og protein-kvalitet hos norskavlet kveite. Starch quality and protein quality of wheat grown in Norway. Norges Landbrukshogsk. Meld. 44(23):i-35. Ref. 1965. 104 N762M
English summary.
- 41019 ROHRLICH, M., and ESSNER, W. Quantity and distribution of SH groups and SS compounds in wheat milling products. (Ge) Brot Geback 20(1):4-10. Ref. Jan.1966. 298.8 G33
- 41020 SAINT-LEBE, L., JOSSOUD, M., and ANDRE, C. 'Extraction of corn starch; a laboratory method derived from industrial technique. (Fr) Starke 17(11):341-346. Ref. Nov.1965. 309 St22
English summary.
- 41021 SASEK, A., and PRUGAR, J. Farinographic study of the effect of 1-ascorbic acid added to the flour from certain Czechoslovak and foreign wheat varieties. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):253-260. Ref. Mar.1965. 64.9 C33
Russian and German summary.
- 41022 SASEK, A. Possibility of the application of penetrometer in the evaluation of technological quality of wheat flour. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):261-268. Ref. Mar.1965. 64.9 C33
English summary.
- 41023 SCHEUCH. Baking test—an indispensable test for the baking properties of flour. (Ge) Deut. Muller-Zeitung 63(16):404-405. Aug.12,1965. 298.8 Su2
- 41024 SCHWÄRZBACH, E., and SIRUCEK, J. Fast methods of the determination of the content of nitrogen in plants. 5. Photometric determination of proteins in barley on basis of the formation of stains produced with sulfosalicylic acid. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(3):331-336. Mar.1965. 64.9 C33
German summary.

- 41025 SCOTT, J. H. Flour milling trends. I. Milling 146(3):56-57,65. Jan.21,1966. 298.8 M622
- 41026 SCRIBAN, R. Observations on the test for sensitivity of barley to water. (Fr) Brasserie 19(217):310-315. Nov.1964. 390.9 B734
Germination.
- 41027 SFAT, M. R. Recent research progress in barley germination. Master Brewers Ass. Amer. Tech. Quart. 3(1):22-26. Ref. Jan./Mar.1966. 390.9 M39T
- 41028 SHUEY, W. C., and GILLES, K. A. Effect of spring settings and absorption on mixograms for measuring dough characteristics. Cereal Chem. 43(1):94-103. Ref. Jan.1966. 59.8 C33
Flour quality.
- 41029 SHUFFETT, D. M., and BATES, C. T. An analysis of white and yellow corn prices in Kentucky. Ky. Agr. Exp. Sta. Bull. 702,15 p. Oct. 1965. 100 K41
- 41030 SMITH, D. E., and MULLEN, J. D. Studies on short- and long-mixing flours. III. Mixing properties, protein and lipid composition of various fractions. Cereal Chem. 42(6):515-522. Ref. Nov.1965. 59.8 C33
- 41031 SORENSON, L. O., and ANDERSON, D. The grain marketing operations of the Commodity Credit Corporation through 1962. N. Dak. Agr. Exp. Sta. Bull. 458,92 p. Ref. Sept.1965. 100 N813
Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, and Wisconsin, and U. S. Department of Agriculture, cooperating.
Also North Central Regional Research Bulletin 167.
- 41032 SWEARINGEN, T. They retail their wheat. Farm Quart. 21(1):66-67,141-143. 1966. 6 F22995
- 41033 TAYLOR, A. C. A microchondrometer for determining bushel weight. Australian J. Exp. Agr. Anim. Husb. 5(17):158-160. May 1965. 23 Au792
Grain.
- 41034 THOMSEN, S. Grain legislation and other agricultural laws. (Da) Landbonyt 19(8):302-304. Aug.1965. 11 L2322
- 41035 TKACHUK, R., and TIPPLES, K. H. Wheat beta-amylases. II. Characterization. Cereal Chem. 43(1):62-79. Ref. Jan.1966. 59.8 C33
- 41036 TOPALOVIC, L., and DJORDEVIC, O. Comparative studies of microorganisms of wheat of the 1961 and 1962 harvest. (Se) Savremena Poljoprivreda 13(4):367-380. Ref. Apr.1965. 21 P75
English summary.
- 41037 TORJE, D. Economic importance of the right division between districts of wheat varieties and maize hybrids. (Rum) Probl. Econ. [Bucharest] 18(3):39-52. Mar.1965. 280.8 P947
English summary, p.167-168.
- 41038 TUCKWELL, R. H. Changes in cereal production in the United Kingdom. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 18(4):207-213. Oct.1965. 281.9 Au73
Acreage and prices.
- 41039 TWEETEN, L. G. Commodity programs for wheat. Okla. Agr. Exp. Sta. Tech. Bull. T-118, 48 p. Ref. Nov.1965. 100 Ok4
Presents data on prices and costs and returns.
- 41040 ULONSKA, E., and others. Bavarian malting barley show 1965-goals and results. (Ge) Brauwelt 105(104):1953-1956. Dec.30,1965. 390.8 B732
A. Fritz, W. Lenz, and W. Goppel, joint authors.
- 41041 VERMA, S. C., and MCCALLA, A. G. Enzymatic hydrolysis of dispersed wheat gluten. Cereal Chem. 43(1):28-34. Ref. Jan.1966. 59.8 C33
- 41042 WALTL, K. Possibilities of improving wheat quality with gluten character. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch 1964:62-72. 1965. 105.9 V675
In relation on to insect damage and baking quality.
- 41043 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreage and yield rate of aus rice and jute in West Bengal in 1962-63, volume XII, part I. Alipore, 1965. 46 p. 269.52 W52R
- 41044 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreages and yield rates of rabi crops in West Bengal in 1959-60, volume 9, part 3. Alipore, 1965. 87 p. 269.52 W52R
Field crops.
- 41045 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreages and yield rates of rabi crops in West Bengal in 1960-61, volume 10, part 3. Alipore, 1965. 115 p. 269.52 W52R
Field crops.
- 41046 WOLF, M. J., KWOLEK, W. F., and MCCARTHY, J. R. Quantitative microscopic evaluation of endosperm breakdown in conditioned hard red winter wheat. Cereal Chem. 43(1):43-61. Ref. Jan.1966. 59.8 C33
Protein and starch content of flour.
- 41047 YONG, F. C., and UNRAU, A. M. Amino acids of hybrids: alien genome combinations and influence on amino acid composition of cereal protein fractions. J. Agr. Food Chem. 14(1):8-12. Ref. Jan./Feb.1966. 381 J8223
- 41048 ZELENY, L. Why sedimentation is better measure. Grain Age 7(2):6,11. Feb.1966. 281.8 G76
Wheat quality test.
- 41049 ZIMMERMAN, M. Understanding the basic grain drying relationships. World Farming 7(7):16,18. July 1965. 30.08 W89

HONEY AND BEESWAX

- 41050 AMERICAN HONEY INSTITUTE. A.H.I. key staff members. Gleanings Bee Cult. 93(10):600-601. Oct.1965. 424.8 G47
Advertising.
- 41051 HAEGER, P. Getting into orbit with honey. Amer. Bee J. 105(12):459. Dec.1965. 424.8 Am3
American Honey Institute promotion of honey.
- 41052 HOEL, P. The honey price 1965. (No) Bi-rokteren 81(12):231-232. Dec.1965. 424.8 B53
- 41053 KENNERLY, A. B. Processing and selling honey on today's market. Gleanings Bee Cult. 93(11):652-655,697. Nov.1965. 424.8 G47
- 41054 NILSSEN, S. Honey price, 1965. (No) Bi-rokteren 81(11):194-195. Nov.1965. 424.8 B53
- 41055 REID, W. A "glorified" honey stand. Gleanings Bee Cult. 93(11):656-657. Nov.1965. 424.8 G47
California.
- 41056 STEVENS, V. Selling honey. Gleanings Bee Cult. 93(11):649-651. Nov.1965. 424.8 G47
- 41057 STRICKER, M. H. A family affair. Gleanings Bee Cult. 93(10):598-599,631. Oct.1965. 424.8 G47
Marketing honey at roadside store in New Jersey.
- 41058 STRICKLAND, G. Good promotion makes a market. Gleanings Bee Cult. 93(11):658-660. Nov.1965. 424.8 G47
Honey.
- 41059 TONTZ, C. Mail order honey. Gleanings Bee Cult. 93(11):683. Nov.1965. 424.8 G47
California.
- 41060 VERMEULEN, L., and PELERENTS, C. Sugars, phosphorus and iron amount in honey of Belgian origin. (Fl) Ghent. Landbouwhogeschool Mededel. 30(2):527-541. Ref. 1965. 105.1 G344
English summary.

LIVESTOCK AND LIVESTOCK PRODUCTS

- 41061 ASCANI, F. The meat pig. (It) Roma Econ. 18(7):355-357. July 1965. 280.8 R66
Outlook for Lazio.
- 41062 BALDONI, R. The Baldoni report on forage production. (It) G. Agr. 76(3):30. Jan.16,1966. 16 It1G
Livestock outlook and policy.
- 41063 BARBATO, R. Problems of the livestock and dairy-cheese sector. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.299-316. 1964. 281.9 C815
Especially with reference to the E.E.C.
- 41064 BRETAGNE, O. DE. Perspectives of plan V in the sector of porcine production. (Fr) Indus. Aliment. Anim. 165:59,61,63-65,67-69,71. Nov. 1965. 389.78 In2
Includes discussion.
- 41065 CALDERINI, G. In the U.S.A. integration has not yet modified swine raising. (It) Suinicoltura 6(3/4):27-28. Mar./Apr.1965. 46.8 Su3
- 41066 CHARLET, M. P. Beef and milk; perspectives of V Plan and European Common Market. (Fr) Indus. Aliment. Anim. 165:73,75-77,79,81,83-85,87-89,91. Nov.1965. 389.78 In2
Consumption.
Includes discussion.
- 41067 COZZI, P. The raising of livestock in Somalia. (It) Riv. Agr. Subtrop. Trop. 59(4/6):123-139, map. Ref. Apr./June 1965. 26 Ag82
Industry.
- 41068 DIRKS, H. J., and FIENUP, D. F. Technological and market forces affecting vertical integration in the hog industry. Minn. Agr. Exp. Sta. Tech. Bull. 249,52 p.,map. Ref. Sept.1965. 100 M66
- 41069 ENGEL, J., and others. Collagen. (Ge) Fortschr. Chem. Org. Naturstoffe 23:195-312. Ref., p.293-314. 1965. 384 F773
K. Hannig, H. Hormann, K. Kuhn, and A. Nordwig, joint authors.
Literature review.
- 41070 FERRARI-AGGRADI, M. For the progress of livestock raising. (It) Agricoltura 14(9):13-15. Sept.1965. 16 Ag8226
Policy.
- 41071 FUTRELL, G. A. The 1966 livestock outlook. Livestock Feeder 13(4):21-22. Jan.1966. 49 L759
- 41072 GALAMINI, L. Crisis in the livestock sector aggravated. (It) Rass. Agr. Ital. 20(12):15-16. Dec.1965. 281.8 R18
- 41073 HAIDER, S. M. N. Production and consumption of meat in Pakistan. Trade Indus. 9(10):967-971. Ref. Oct.1965. 286.8 T674
Includes nutritive value.
- 41074 KENYA MEAT COMMISSION. Annual report and accounts 1964. Nairobi, 1965. 17 p. 50.9 K42
- 41075 LIVESTOCK association directory. West. Livestock J. 44(10):100,102,104-107. Jan.1966. 6 F2278
- 41076 LORINCZ, F. Report on the XIth European Meeting of Meat Research Workers (Belgrade, from August 16 to August 21, 1965). (Hu) Husipar 14(6):254-257. (Cont.) Nov./Dec.1965. 50.8 H95
Abstracts of papers.
- 41077 LYALL, N. Are there any alternatives to beef extract? Food Trade Rev. 36(1):43-45. Jan. 1966. 389.8 F7334
As a food flavoring.
- 41078 POSTNIKOV, G. M., and SHUBIN, A. E. Some problems in development of sheep industry. (Rus) Zhivotnovodstvo 12:67-68. Dec.1965. 49 Z6
- 41079 RAY, O. M. Geographical shifts in livestock and poultry since 1955. Feed Age 15(12):18-22. Dec.1965. 389.78 F327
- 41080 SHUTE, J. L. Meat industry prospects in 1966. Meat Prod. Exporter 20(1):1,4. Jan.1966. 286.3509 Au7M
In Australia.
- 41081 TOTH, I. A. Technical library network in the meat industry. (Hu) Husipar 14(6):245-248. Nov./Dec.1965. 50.8 H95
English summary.
- 41082 UVACEK, E. Prospecting for profit? Don't overlook lambs! Big Farmer 37(3):36-38. Summer 1965. 58.8 B46
- 41083 WELTON, R. S. Argentine beef industry; has the turning point been reached? New Zeal. Meat Prod. 10(4):17,21. Jan.3,1966. 50.8 N48
Policies.
- 41084 WESTPHAL, F. The meat industry of the CSSR. (Ge) Fleischermeister 19(6):144-149. June 1965. 50.8 F622
- 41085 WILLIAMS, W. F., and LEE, H. Y. A view of the cattle industry to 1975. West. Livestock J. 44(10):10-12,14-16,18. Jan.1966. 6 F2278
- 41086 ZALEVSKII, A. V. Concentration of livestock industry in virgin land regions; one of the methods for profit. (Rus) Zhivotnovodstvo 12:38-45. Dec.1965. 49 Z6

Analysis and Composition

- 41087 ADAMS, J. M., and ANDERSON, C. A. Spectrophotofluorometric method for Guthion residues in milk and animal tissues. J. Agr. Food Chem. 14(1):53-55. Jan./Feb.1966. 381 J8223
- 41088 ANDERSON, R. J., ANDERSON, C. A., and YAGELOWICH, M. L. Anthelmintic residues: a photofluorometric method for the determination of Maretin (N-hydroxynaphthalimide diethyl phosphate) residues in animal tissues. J. Agr. Food Chem. 14(1):43-45. Jan./Feb.1966. 381 J8223
- 41089 BOHM, E. Estimations for sausage products. 2. (Ge) Deut. Lebensmittel-Rundsch. 61(11):341-344. Nov.1965. 389.8 D482
- 41090 GEORGALA, D. L., BOOTHROYD, M., and HAYES, P. R. Further evaluation of a rapid immunofluorescence technique for detecting salmonellae in meat and poultry. J. Appl. Bact. 28(3):421-425. Ref. Dec.1965. 448.39 So12
- 41091 GERI, G. Chemico-biologic characteristics of swine meat and their relations to the health of man. (It) Suinicoltura 6(6/7):17-30. June/July 1965. 46.8 Su3
- 41092 HANKIN, L. Quantitative determination of blood added to hamburger. Ass. Offic. Agr. Chem. J. 48(6):1122-1126. Ref. Dec.1965. 381 As7
- 41093 KASAI, T., KOSHIKA, M., and OBATA, Y. Chemical constants and fatty acid composition of mink oil. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):148-150. 1966. 107.6 H682
English summary.
- 41094 NAKANISHI, T., and SUYAMA, K. Studies on phospholipids of meats. 1. Composition of phospholipids from muscles of some livestock. (Ja) Jap. J. Zootech. Sci. 37(1):7-14. Ref. Jan. 1966. 49 N62
English summary.
- 41095 SCHNELL, J., and ZAHN, H. Research on collagen. 8. (Ge) Kolloid-Z. Z. Polymere 203(1):27-32. Ref. May 1965. 384 Z315
Chemistry.
- 41096 SZCZESNIAK, A. S., and TORGESON, K. W. Methods of meat texture measurement viewed from the background of factors affecting tenderness. Advances Food Res. 14:33-165. Ref., p.139-165. 1965. 389 M87
Literature review.
- 41097 VAN ZYL, J. H. M., and SKEAD, D. M. Meat production of South African game animals. 2. The African buffalo. Fauna Flora 15:34-40. 1964. 410 F276
The yield of carcasses.

Consumption and Utilization

- 41098 MIKESH, V. How to choose, how to cook beef. Minn. Univ. Ext. Bull. 297, rev., 19 p. July 1965. 275.29 M66S

Distribution, Marketing, and Transportation

- 41099 BREMER, H. 1965 drive to pasture-problems and consequences. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 135:19-23. Dec.15, 1965. 281.8 B462
On the beef cattle market.
- 41100 DAMATO, F. The sausage war. (It) Roma Econ. 18(9):489-490. Sept.1965. 280.8 R66
Marketing.
- 41101 DAWSON, D. R. An economic analysis of feeder cattle marketing in Montana. Diss. Abs. 26 (7):3665-3666. Jan.1966. 241.8 M58
- 41102 DIFFIDENTI, G. A. Pork is served! (It) Suinicoltura 6(6/7):45-49. June/July 1965. 46.8 Su3
Promotion and various cuts in the European market.
- 41103 FERNQVIST, N. Marketing of lamb meat. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:82-88. 11 Sw34
- 41104 HIENEN, K. Marketing of fattening cattle at Husum. (Ge) Tierzuchter 18(2):42, 44, 47. Jan.20, 1966. 49 T445
- 41105 JOHNSEN, F. L. Marketing of mutton and lambmeat in Norway. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:76-82. 11 Sw34
- 41106 KLEMPNOW, W. The advantages of central marketing. (Ge) Fleischermeister 19(6):142-144. June 1965. 50.8 F622
Livestock in East Germany.
- 41107 MAKI, W. R., and CROM, R. J. Evaluation of alternative market organizations in a simulated livestock-meat economy. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull.:541-579-623. Ref. Oct.1965. 100 Io9
U. S. Department of Agriculture, cooperating.
- 41108 MARTIN, A. Marketing of rabbit meat. II. (Sp) Cult. Mod. 48(7):251-252. July 1965. 15 C89
- 41109 OGER, Y. Pork market. (Fr) Agr. Prat. 129 (11):23-25. Dec.1965. 14 J82
- 41110 PFLAUMBAUM, W. The much-slandered swine cycle. (Ge) Mitt. Deut. Landwirt.-Ges. 81(3):65-66, 72, 74. Jan.20, 1966. 18 N39
Market supply and prices.
- 41111 RIBERA, A. The Paris national meat market—La Villette. (Fr) In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes, p.280-284. 1965. 389.9 F843
- 41112 ROTH, H. The slaughter livestock market at the year's end. (Ge) Schlacht- Viehhof-Zeitung 65(4):148-149. (Concl.) Apr.1965. 286.85 D48
- 41113 SLOAN, T. L. Florida Beef Council's income for 1965. Fla. Cattleman Livestock J. 30(1):36, 38. Oct.1965. 43.8 F66
- 41114 STRAUB, C. The live cattle contracts got off to a lively start. A year in the futures. Farm Quart. 21(1):84-85, 133-135. 1966. 6 F22995
- 41115 TIMPE, W. Problem affecting chinchilla breeders, it is not yet late! (Ge) Deut. Pelztierzuchter 39(11):208-210. Nov.1, 1965. 412.628 D48
United marketing.
- 41116 TROTTER, C. E., and MCINTOSH, K. D. Procurement costs of independent slaughter plants in the Northeast. Penn. Agr. Exp. Sta. Bull. 729, 30 p. Dec.1965. 100 P381
Northeastern Regional Research Publication. Procurement (including transportation) costs and livestock injuries and carcass yields.
- 41117 WYCKOFF, J. B. Reducing livestock marketing costs. West. Livestock J. 44(10):84, 87. Jan. 1966. 6 F2278

Grading, Inspection, Standardization, and Quality

- 41118 ANDERSON, R. J. Keeping meat free of agricultural chemicals and biologics; talk before the National Livestock Feeders Association, Chicago, Illinois, February 18, 1965. Washington. U. S. Agr. Res. Serv., 1965. 5 p. A31.3 Ar2
- 41119 BERGMANN, G. Can slaughter animal inspection be maintained in its earlier form with a reform of the Meat Inspection Law? (Ge) Schlacht- Viehhof-Zeitung 65(12):511-513. Dec. 1965. 286.85 D48
- 41120 BOWERS, J. R., GOERTZ, G. E., and HOLMES, Z. A. Effect of internal temperature on eating quality of pork chops. I-II. Amer. Diet. Ass. J. 48(2):116-123. Feb.1966. 389.8 Am34
- 41121 BRANDES, H. Proposals of the Lower Saxony Provincial Society for Slaughterhouse and Livestock Yard Science [Landesarbeitsgemeinschaft für Schlacht- und Viehhofwesen Niedersachsen] on changing provision A of the Meat Inspection Law. (Ge) Schlacht- Viehhof-Zeitung 65(12):533-535. Dec.1965. 286.85 D48
- 41122 EVERETT, L. J., ANDERSON, C. A., and MACDOUGALL, D. Nature and extent of Guthion residues in milk and tissues resulting from treated forage. J. Agr. Food Chem. 14 (1):47-53. Jan./Feb.1966. 381 J8223
- 41123 FAGAN, V. J. Pig carcass appraisal; the present dilemma. Tasmanian J. Agr. 36(4):252-256. Nov.1965. 23 T182T
- 41124 KREUZER, W. Consequences for meat inspection in radioactive contamination of slaughter animals. (Ge) Schlacht- Viehhof-Zeitung 65 (4):127-129. Apr.1965. 286.85 D48
- 41125 MADELUNG, P. Vacuum-packed cold cuts. (Da) Danske Dyrægefor. Medlemsbl. 48(23):1052-1062. Dec.1, 1965. 41.9 D23
Contamination.
- 41126 MCMASTER, J. Prize winning pork! Kans. Stockman 51(4):21-22. Feb.1966. 49 K134
- 41127 MCPHERSON, W. K., and DIXON, L. V. A quantitative evaluation of the ability of individuals to grade live cattle. J. Farm Econ. 48(1):61-74. Ref. Feb.1966. 280.8 J822
- 41128 MOORE, A. J. The differential response of choice, good, and commercial grades of the longissimus dorsi of beef to controlled aging. J. Home Econ. 58(3):171-178. Ref. Mar.1966. 321.8 J82
Tests for quality.
- 41129 NAUWERCK, G. A photographic study on inspection of slaughtered cattle, with critical notes. (Ge) Schlacht- Viehhof-Zeitung 65(12):528-532. (Cont.) Ref. Dec.1965. 286.85 D48
- 41130 PEPPER, K. W. The challenge of corfam. Soc. Leather Trades' Chem. J. 50(1):4-23. Jan.1966. 303.9 So12
Competing with leather quality.
- 41131 RICO, A. Radiocontamination of the food chain. (Fr) Rev. Med. Vet. [Toulouse] 116(4):261-275. Apr.1965. 41.8 R32
English summary.
Meat, fish and milk.
- 41132 SCHMIDHOFER, T. Ways of quality standardization—experiences of a wholesaler. (Ge) Schlacht- Viehhof-Zeitung 65(6):251-255, 257-259. Ref. June 1965. 286.85 D48
Meat products.
- 41133 SEXAUER, R. C. Why State meat inspection? Amer. Vet. Med. Ass. J. 147(12):1580-1583. Dec.15, 1965. 41.8 Am3
- 41134 VERBEKE, R. Something on the slaughter yield of cattle. (Fl) Land- Tuinbouw Jaarboek 20:165-168. 1965. 13 L22

Packing and Packaging

- 41135 TANDLER, K. Vacuum packing of meat and meat products. (Ge) Verpackungs-Rundschau 16(8):936, 938, 941. Aug.1965. 280.38 V592

Prices, Price Control, and Rationing

- 41136 ALBERTARIO, P. The uncertainty of livestock prices and the application of the minimum price guarantee. (It) *G. Agr.* 76(6):58. Feb.6,1966. 16 It1G
- 41137 SAULT, J. L. The relationship between prices for lamb in Australia and in the United Kingdom. Australia. *Bur. Agr. Econ. Quart. Rev. Agr. Econ.* 18(4):198-206. Oct.1965. 281.9 Au73
- 41138 SKADBERG, J. M. Hog price differentials between selected Iowa markets. *Diss. Abs.* 26(7):3669-3670. Jan.1966. 241.8 M58
In relation to marketing.
- 41139 WYCKOFF, J. B. Can you ride out a down market? *West. Livestock J.* 44(10):66,68,70, 72. Jan.1966. 6 F2278
Beef prices.

Processing and Storage

- 41140 FLEISCHMANN, O., and GRAU, R. The use of supplements in the scalding of swine. (Ge) *Deut. Lebensmittel-Rundsch.* 61(11):338-341. Nov.1965. 389.8 D482
- 41141 HILGELAND, H. Automation in sausage manufacture. *Int. Food Indus. Congr. Proc.* 1964: 80-83. 389.9 In836
- 41142 HORNSEY, H. C. The colouration and discolouration of cured meats. *Int. Food Indus. Congr. Proc.* 1964:104-108. 389.9 In836
Includes discussion.
- 41143 KORMENDY, L. Examination of some additives usable in the making of cured meat-products. (Hu) *Husipar* 14(6):233-236. Nov./Dec. 1965. 50.8 H95
English summary.
- 41144 LANG, O. Rapid cooling in the slaughterhouse. (Ge) *Schlacht- Viehhof-Zeitung* 65(12):523-527. Dec.1965. 286.85 D48
- 41145 LANG, O. The thawing of meat. (Ge) *Schlacht- Viehhof-Zeitung* 65(4):139-141. Apr. 1965. 286.85 D48
- 41146 MCLEAN, J. A. M. Use of centrifuges in fat rendering and meat processing. *Int. Food Indus. Congr. Proc.* 1964:21-26. 389.9 In836
- 41147 NISHIBE, S., and YALAMOTO, K. The influence of prepacked meat by liquid nitrogen freezing in the progressive periods of post-mortem on the thawing drip formation and the cracking effect. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 88:90-97. Ref. Dec.1965. 107.6 H68
English summary.
Freezing prepacked pork.
- 41148 PRITCHARD, E. I. Tenderisation of meat. *Int. Food Indus. Congr. Proc.* 1964:162-164. 389.9 In836
- 41149 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61: 1. Preparation and preserving of meat; sausage casings, tallow, dripping and lard. 2. Crayfish; fish preserving and other fish products. *Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C. 1*, 36 p. Nov.1964. 270 So824I
Text also in Afrikaans.
- 41150 RHODES, D. N. Quality changes during storage of radiation pasteurised meats. *Int. Food Indus. Congr. Proc.* 1964:26-30. Ref. 389.9 In836
- 41151 SPENCER, R., and SHIPP, H. L. The brining of fish and meat products. *Int. Food Indus. Congr. Proc.* 1964:85-89. Ref. 389.9 In836
- 41152 SUTTON, R. E. Investment planning in the meat packing industry. *Diss. Abs.* 26(6):3085. Dec.1965. 241.8 M58
- 41153 VELEZ, G. Notes on vegetable tannins in Colombia. (Sp) *Inst. Invest. Tecnol. Rev.* 7(37): 46-48. Sept./Oct.1965. 241.4 In73

Statistics

- 41154 ABEL, H., and CAPENER, W. Shifts in the production and marketing of western stocker-feeder cattle. *Wash. Agr. Exp. Sta. Bull.* 667, 18 p., map. Nov.1965. 100 W27E
A statistical study showing supply areas; includes data of all cattle.
- 41155 BOCKENHOFF, E. Preview of the slaughter livestock and meat market; evaluation of the livestock census as of December 3, 1965. (Ge) *Agrarwirtschaft* 15(1):41-52. Jan.1966. 281.8 Ag826
- 41156 CANADA. BUR. OF STATISTICS. Livestock and animal products statistics, 1964. Ottawa, 1965. 84 p. 253 C334
Text also in French.
- 41157 EGBERT, A. C., and REUTLINGER, S. A dynamic long-run model of the livestock-feed sector. *J. Farm Econ.* 47(5):1288-1305. Ref. Dec.1965. 280.8 J822
- 41158 GRUBER, J. Econometric simultaneous equation models of the cattle cycle in the United States and three selected regions. *Diss. Abs.* 26(7):3666-3667. Jan.1966. 241.8 M58
- 41159 KRZYWONOS, J. Cattle husbandry difficulties. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 339:71-76. Feb.16,1965. (JPRS 28,779) 173 J663Ste
Statistics include meat and beef production. Translation from *Zycie Gospodarcze* 47:8. Nov.1964.
- 41160 PANAMA. DIRECCION DE ESTADISTICA Y CENSO. Animales y productos de animales: ano 1965 [Livestock and livestock products: year 1965]. Panama. *Dir. Estad. Censo. Estad. Panamena. Ser. H* 24(3), 22 p. 1965. 254 P197I
- 41161 RICHNOW, H. J. Development of baby pig births and losses. (Ge) Germany. *Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt.* (n.s.) 43(4):809-814. 1965. 18 G31
Statistical.
- 41162 SPAIN. DIRECCION GENERAL DE GANADERIA. Censo de la ganaderia espanola 1965 [Census of Spanish livestock 1965]. Madrid, 1965. 35 p. 263 Sp162

OILS AND OILSEEDS

- 41163 AKERBERG, E. Production of vegetable oil in USA. (Sw) *Svensk Frotidn.* 34(12):167-169. Dec.15,1965. 61.8 Sv2
- 41164 ALFORD, J. A., and SMITH, J. L. Production of microbial lipases for the study of triglyceride structure. *Amer. Oil Chem. Soc. J.* 42(12): 1038-1040. Dec.1965. 307.8 J82
- 41165 ALTSCHUL, A. World protein situation. *Cotton Gin Oil Mill Press* 66(24):7,26. Nov.20, 1965. 304.8 C822
Oilseeds as sources.
- 41166 AMERICAN OIL CHEMISTS' SOCIETY. T. P. Hilditch Symposium on Analysis of Natural Fat Triglycerides. IV. *Amer. Oil Chem. Soc. J.* 42(12):1029-1053. Dec.1965. 307.8 J82
Conducted at 56th annual meeting, Houston, Texas, April 25-28, 1965.
- 41167 AMERICAN OIL CHEMISTS' SOCIETY. LITERATURE REVIEW COMMITTEE. Annual review of the literature on fats, oils and detergents. VI. *Amer. Oil Chem. Soc. J.* 42(12):700A, 702A, 704A, 706A. Dec.1965. 307.8 J82
By V. Mahadevan.
- 41168 AMORE, G. D., and CALAPAJ, R. Fluorescence substances contained in the essential oils of lemon, bergamot, mandarin, sweet orange, and bitter orange. (It) *Rass. Chim.* 17(6):264-269. Ref. Nov./Dec.1965. 385 R18
- 41169 ARNOLD, L. K., and SCHUTTER, R. Effect of internal distributors in a packed column on the steam stripping of hexane from soybean oil. *Amer. Oil Chem. Soc. J.* 42(12):1152-1154. Dec.1965. 307.8 J82

- 41170 BADAMI, R. C., and MORRIS, L. J. The oxygenated fatty acid of calendula seed oil. *Amer. Oil Chem. Soc. J.* 42(12):1119-1121. Ref. Dec. 1965. 307.8 J82
- 41171 BEAL, R. E., EISENHAUER, R. A., and SOHNS, V. E. Production of cyclic fatty acids: water as the reaction solvent. *Amer. Oil Chem. Soc. J.* 42(12):1115-1119. Dec. 1965. 307.8 J82
- 41172 BOEKENOGEN, H. A., and TAYLOR, R. J. Research establishments in Europe. 57. Unilever Research Laboratory, Vlaardingen. *Chem. Indus.* 3:86-91. Jan. 15, 1966. 382 M31C
Fats and oils research.
- 41173 BORKA, L., and PRIVETT, O. S. High voltage electrical discharge reactions of fats and related compounds. *Amer. Oil Chem. Soc. J.* 42(12):1070-1073. Dec. 1965. 307.8 J82
- 41174 BRXIUS, L., and BENK, E. On the study of refining of edible oils, especially sunflower oil. (Ge) *Deut. Lebensmittel-Rundsch.* 61(11):335-337. Ref. Nov. 1965. 389.8 D482
- 41175 CANADA, BUR. OF STATISTICS. Vegetable oil mills, 1963. Ottawa, 1966. 18 p. (Annual Census of Manufactures) 253 C335V
Includes consumption of oils by industries.
- 41176 COBB, W. Y., and DAY, E. A. Further observations on the dicarbonyl compounds formed via autoxidation of methyl linoleate. *Amer. Oil Chem. Soc. J.* 42(12):1110-1112. Ref. Dec. 1965. 307.8 J82
- 41177 COLEMAN, M. H. The unsolved problems of triglyceride analysis. *Amer. Oil Chem. Soc. J.* 42(12):1040-1046. Ref. Dec. 1965. 307.8 J82
- 41178 COTTONSEED PROCESSING CLINIC, NEW ORLEANS, LA., 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-40, 80 p. Ref. Oct. 1965. A381 R31
Sponsored by the Southern Utilization Research and Development Division, in cooperation with the Mississippi Valley Oilseed Processors Association.
- 41179 DORNSEIFER, T. P., and others. Effect of moisture level on volatile carbonyls in cottonseed oil heated to 210°C. *Amer. Oil Chem. Soc. J.* 42(12):1073-1075. Dec. 1965. 307.8 J82
S. C. Kim, E. S. Keith, and J. J. Powers, joint authors.
- 41180 DUFEK, E. J., GAST, L. E., and DEJARLAIS, W. J. Preparation of linseed acid chlorides. *Amer. Oil Chem. Soc. J.* 42(12):1060-1062. Dec. 1965. 307.8 J82
- 41181 DUFEK, E. J., and DEJARLAIS, W. J. Preparation of some linseed esters of methyl alpha-D-glucopyranoside using the methoxycarbonyl blocking group. *Amer. Oil Chem. Soc. J.* 42(12):1104-1110. Ref. Dec. 1965. 307.8 J82
- 41182 ETTINGER, C. L., MALANOSKI, A. J., and KIRSCHENBAUM, H. Detection and estimation of animal fats in vegetable oils by gas chromatography. *Ass. Offic. Agr. Chem. J.* 48(6):1186-1191. Dec. 1965. 381 As7
- 41183 FUKUSHIMA, D. Internal structure of soybean protein molecule (11 S protein) in aqueous solution. *Noda Inst. Sci. Res. Rep.* 9:63-64. 1965. 330.9 N67
- 41184 GISONDI, M. Sul comportamento di oli di oliva anomali ai saggi Bellier e Blarez: ricerche per l'emendamento delle relative tecniche analitiche [Behavior of anomalous olive oils with Bellier and Blarez tests: research for the amendment of related analytical techniques]. Rome. *Staz. Chim.-Agr. Sperim. Ann. Ser. III, Pubbl.* 229, 6 p. 1964. 105.4 R66
English summary.
- 41185 EL-HAMIDI, A., and RICHTER, G. Preliminary investigation of Egyptian cummin oil by thin-layer chromatography. *Lloydia* 28(3):252-256. Ref. Sept. 1965. 442.8 L77
- 41186 HARRIS, W. D. Chemistry of cottonseed. *Oil Mill Gaz.* 69(12):30-34. June 1965. 307.8 Oi53
- 41187 HILL, F. D., and HAMMOND, E. G. Studies on the flavor of autoxidized soybean oil. *Amer. Oil Chem. Soc. J.* 42(12):1148-1150. Ref. Dec. 1965. 307.8 J82
- 41188 HOPKINS, C. Y., and CHISHOLM, M. J. Occurrence in seed oils of some fatty acids with conjugated unsaturation. *Canad. J. Chem.* 43(12):3160-3164. Ref. Dec. 1965. 470 C16B
- 41189 HORVAT, R. J., and others. Volatile products from mild oxidation of methyl linoleate; analysis by combined mass spectrometry-gas chromatography. *Amer. Oil Chem. Soc. J.* 42(12):1112-1115. Ref. Dec. 1965. 307.8 J82
W. H. McFadden, H. NG, D. R. Black, W. G. Lane, and R. M. Teeter, joint authors.
- 41190 HUSBANDS, F. H. Research—development. *Oil Mill Gaz.* 70(2):16-19. (Cont.) Aug. 1965. 307.8 Oi53
Cottonseed industry.
- 41191 ILLE, A. M. Some applications of Karl Fischer's method for determining the water content in the vegetable oil industry. (Rum) *Indus. Aliment.* 16(6):303-309. Ref. June 1965. 389.8 In26
English summary, p.3 following p.336.
- 41192 IRVING, G. W. The role of USDA research on mycotoxins and crop marketing programs; talk before the annual meeting of the Institute of Food Technologists, Kansas City, Missouri, May 18, 1965. Washington, U. S. Agr. Res. Serv., 1965. 9 p. 1.913 A2Ir8
Aflatoxin in peanuts, cottonseed and soybeans, caused by *Aspergillus flavus*.
- 41193 IVERSON, J. L., EISNER, J., and FIRESTONE, D. Detection of trace fatty acids in fats and oils by urea fractionation and gas-liquid chromatography. *Amer. Oil Chem. Soc. J.* 42(12):1063-1068. Ref. Dec. 1965. 307.8 J82
- 41194 IVERSON, J. L., EISNER, J., and FIRESTONE, D. Fatty acid composition of olive oil by urea fractionation and gas-liquid chromatography. *Ass. Offic. Agr. Chem. J.* 48(6):1191-1202. Ref. Dec. 1965. 381 As7
- 41195 JAYARAMAN, A., SREENIVASAMURTHY, V., and PARPIA, H. A. B. Extraction of aflatoxin from peanut products by dialysis. *Ass. Offic. Agr. Chem. J.* 48(6):1256-1260. Ref. Dec. 1965. 381 As7
- 41196 JENSEN, R. G., and others. Specificity of a lipase from *Geotrichum candidum* for cis-octadecenoic acid. *Amer. Oil Chem. Soc. J.* 42(12):1029-1032. Ref. Dec. 1965. 307.8 J82
J. Sampugna, J. G. Quinn, D. L. Carpenter, T. A. Marks, and J. A. Alford, joint authors.
Cultured on various plant oils.
- 41197 KARLESKIND, A., AUDIAU, F., and WOLFF, J. P. Study of sterols by gas liquid chromatography; application in the control of purity of vegetable oils. (Fr) *Rev. Franc. Corps Gras* 12(6):399-403. June 1965. 307.8 R32
- 41198 KINGSBAKER, C. L. Meal desolventizing requirements for the future. *Oil Mill Gaz.* 70(4):24-26. Oct. 1965. 307.8 Oi53
Oilmeal.
- 41199 KOSHIYAMA, I., and IGUCHI, N. Studies on soybean proteins. I. *Noda Inst. Sci. Res. Rep.* 9:13-19. Ref. 1965. 330.9 N67
- 41200 LANDING, J. E. The decline of the commercial peppermint and spearmint industry in the state of Ohio. *Assoc. Amer. Geog. Ann.* 55(4):627-628. Dec. 1965. 500 As73
- 41201 LEA, C. H., and HOBSON-FROHOCK, A. On the flavour volatiles of fats and fat-containing foods. I. Degradation of the peroxides of autoxidised sunflower and linseed oils. *J. Sci. Food Agr.* 16(1):18-27. Ref. Jan. 1965. 382 So12
- 41202 LEANDRO MONTES, A. Problems of technology and quality of national production of aromatic products. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 211:34-37. July 1965. 9 Id3
Research program on essential oils and production of aromatic plants.

- 41203 LUTTON, E. S. Phase behavior of aqueous systems of monoglycerides. *Amer. Oil Chem. Soc. J.* 42(12):1068-1070. Dec.1965. 307.8 J82
- 41204 MCDONALD, F. L. Processing 50 pct. protein soybean meal. *Oil Mill Gaz.* 70(2):22. Aug. 1965. 307.8 Oi53
- 41205 NIGAM, M. C., and others. Essential oils and their constituents. XXIX. The essential oil of marijuana: composition of genuine Indian Cannabis sativa L. *Canad. J. Chem.* 43(12):3372-3376. Ref. Dec.1965. 470 C16B
K. L. Handa, I. C. Nigam, and L. Levi, joint authors.
- 41206 NISBET, J. C. G. Bulk handling of fats. *Int. Food Indus. Congr. Proc.* 1964:219-223. 389.9 In836
- 41207 NOVITSKAYA, G. V., KAVERINA, A. V., and VERESHCHAGIN, A. G. The triglyceride composition of linseed oil. (Rus) *Biokhimiya* 30(6):1260-1268. Ref. Nov./Dec.1965. 385 B523
English summary.
- 41208 PARIS. INSTITUT DE RECHERCHES AGRONOMIQUES TROPICALES ET DES CULTURES VIVRIERES. SERV. D'APPLICATION DE LA RECHERCHE ET DES ETUDES ECONOMIQUES. Economic data on the production of peanuts and oils. (Fr) *Agron. Trop.* [Paris] 20(9):901-908. Sept.1965. 26 Ag86
World and African production.
- 41209 PAULOSE, M. M. The thin-layer chromatographic separation of fatty acid methyl esters according to both chain length and unsaturation. *J. Chromatography* 21(1):141-143. Jan. 1966. 475 J824
Vegetable oils.
- 41210 PERFUMERY AND ESSENTIAL OIL RECORD. Directory and year book, 1966 edition. London, 1966. 230 p. 308.9 F41
- 41211 POCHETTI, F. On the mechanism of autoxidation of monounsaturated fats. (It) *Rass. Chim.* 17(6):275-279. Ref. Nov./Dec.1965. 385 R18
Literature review.
- 41212 POHLE, W. D., TAYLOR, J. R., and GREGORY, R. L. A comparison of nuclear magnetic resonance and dilatometry for estimating solids content of fats and shortenings. *Amer. Oil Chem. Soc. J.* 42(12):1075-1078. Dec.1965. 307.8 J82
- 41213 RABE, F. W. Aeration of cotton seed stored in Muskogee type houses. *Oil Mill Gaz.* 69(12):23-27. June 1965. 307.8 Oi53
- 41214 REDDY, H. G. R. Rice bran oil industry in India. *J. Indus. Trade* 15(8):1208-1210. Aug. 1965. 286.8 J824
- 41215 REPUBLIC OF SOUTH AFRICA. OILSEEDS CONTROL BOARD. 13th annual report covering the period 1st July 1964-30th June 1965. Pretoria, 1965. 24 p., map. 286.3779 So8
- 41216 RISPOLI, G., and GIACOMO, A. D. Study of the sesquiterpene compounds of Sicilian lemon oil. (It) *Riv. Ital. Essenze-Profumi-Piante Offic.-Aromi-Saponi-Cosmet.* 47(12):650-655. Ref. Dec.1965. 308.8 R52
- 41217 ROMANOVA, L. V. Chemical conservation of damp sunflower seeds. (Rus) *Khim Sel'skom Khoz.* 4:38-46. Ref. Apr.1965. 385 K524
- 41218 SINGH, B. Competitive position of United States soybeans and by-products at home and abroad, with particular reference to Maryland soybeans. *Diss. Abs.* 26(6):3084-3085. Dec.1965. 241.8 M58
- 41219 SIRUR, S. G. V. Developments in cottonseed crushing industry with special reference to miscella refining. *Oils Oilseeds J.* 18(6):14-24. Dec.1965. 307.8 Oi54
In India.
- 41220 SZILAGYI, S. Analysis of soybean seed proteins. I. Separation of seed proteins by paper electrophoresis. (Hu) *Debrecen. Tudgyetem. Acta (ser.2)* 2:121-128. Ref. 1963, pub.1964. 510 D35
English summary.
- 41221 U. S. AGRICULTURAL RESEARCH SERV. SOUTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. SOUTHERN REGIONAL RESEARCH LABORATORY. Outline: process to produce low-calorie peanuts. New Orleans, La., 1965? 5 p. A77 R312
- 41222 VASIL'EV, S. V., LAPSHINA, S. N., and KOSTOMAROVA, V. L. Study of fatty oils from *Peucedanum ruthenicum*. (Rus) *Zhur. Prikladnoi Khim.* 38(9):2121-2123. Sept.1965. 385 Z64
- 41223 WIGHTMAN, V. F. U.S. oilseeds industry. *Can. Dep. Agr. Econ. Br. Agr. Abroad* 20(5):46-52. Oct.1965. 281.9 C1642A
- 41224 WILLARD, D. H. Exploring the future. *Peanut J. Nut World* 45(5):9,33. Mar.7,1966. 77.8 P313
Outlook for peanuts.
- 41225 WOLFFHARDT, D. The culture of oil plants in Austria. (Ge) *Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch* 1964:150-162. 1965. 105.9 V675
Area and yields.
- 41226 ZUSMAN, L. Pure food is a fact of life. *Oil Mill Gaz.* 70(4):32-36. Oct.1965. 307.8 Oi53
Inspection of oils and oilseeds by Food and Drug Administration.

POULTRY AND POULTRY PRODUCTS

- 41227 ASOCIACION NACIONAL SINDICAL AVICOLA. Expansion of consumption of meat poultry; a plan. (Sp) *Avicult. Tec.* 16(5):213-216,219. May 1965. 47.8 Av57
- 41228 BARTLETT, B. E. Grading eggs for quality and some quality comparisons. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:55-59. 1964. 47.9 Au742
- 41229 BENTZ, R. P. Fresh egg futures contracts are here! *Poultry Trib.* 72(1):14,19. Jan.1966. 47.8 P8642
- 41230 BENTZ, R. P. How to use the fresh egg futures market. *Poultry Trib.* 72(2):14,60. Feb. 1966. 47.8 P8642
- 41231 BESCH, E. L., SMITH, A. H., and WALKER, M. W. Morphological changes in avian eggs subjected to accelerative force. *J. Appl. Physiol.* 20(6):1241-1248. Ref. Nov.1965. 447.8 J825
Centrifugation of poultry eggs, effects on yolks.
- 41232 BLAKE, R. C. The world's changing egg situation. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:27-29. 1964. 47.9 Au742
- 41233 BLUESTONE, H. Egg outlook for '66. *Poultry Trib.* 72(1):22,74. Jan.1966. 47.8 P8642
- 41234 BOARD, R. G. The properties and classification of the predominant bacteria in rotten eggs. *J. Appl. Bact.* 28(3):437-453. Ref. Dec.1965. 448.39 So12
- 41235 BYERS, G. B., and CALLAHAN, S. A. Estimating costs, potential efficiencies and profit margins in assembling, processing and distributing eggs. *Ky. Agr. Exp. Sta. Bull.* 701,36 p., map. June 1965. 100 K41
- 41236 BYRD, T. A look into the future. *Res. Farming [N. C. Sta.]* 24(2):12-13. Autumn 1965. 100 N81R
Poultry industry.
- 41237 CLIFTON, A. M. T. Quality eggs—higher returns. *S. Australia J. Agr.* 69(5):174-175. Dec. 1965. 23 So84
- 41238 CORBIN, K. W., and BRUSH, A. H. Catalase-like activity of chicken egg white: a reconsideration. *Anal. Biochem.* 14(1):95-99. Ref. Jan. 1966. 381 An13
- 41239 CORMINBOEUF, R. The future of the egg. (Fr) *Ann. Agr.* 4:47. 1964/65. 17 An73
Switzerland.
- 41240 CRAIG, E. New England marketing program for laid-out hens. *Poultry Trib.* 72(2):68,70. Feb.1966. 47.8 P8642
The fowl marketing program of Farmers' Agricultural Cooperative Trading Society.

- 41241 DIFFIDENTI, G. A. Healthy eggs. (It) *Avicoltura* 34(2):81-84. Feb.1965. 47.8 R523
Italian governmental standards.
- 41242 DIFFIDENTI, G. A. Poultry in Parliament. (It) *Avicoltura* 34(12):65-68. Dec.1965. 47.8 R523
Discussion of Italian bills.
- 41243 DOUGHERTY, E., and SEIBOLD, H. R. The effect of scald-water temperature on the histologic appearance of chicken skin. *Avian Dis.* 9(4):570-578. Nov.1965. 41.8 Av5
In relation to poultry meat regulation.
- 41244 DREWS, H. E. Tides of change have swept the processing and marketing field. *Everybodys Poultry Mag.* 70(10):24,26. Oct.1965. 47.8 F213P
Poultry meat and eggs.
- 41245 FONTAINE, G. Eggs, cholesterol, and fatty acids. (Fl) *Land- Tuinbouw Jaarboek* 20:191-194. 1965. 13 L22
Egg composition.
- 41246 GANTIER, J. French poultry raising before the new aspects of supplying large cities. (Fr) *In France, Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.225-228. 1965. 389.9 F843
- 41247 GATTY, R. Statistical models for experiments in merchandising. *Amer. Statist. Ass. Bus. Econ. Statist. Sect. Proc.* 1965:227-235. Ref. 251 Am322
Price differentials for high-quality and regular broilers in a chain store.
- 41248 GOCHT, H. Structural changes in the West European egg industry under the influence of agricultural policies. (Ge) *Germany. Bundes-min. Ernahr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)43(4):785-808. Ref. 1965. 18 G31
English summary.
- 41249 GROOTE, G. DE. The manufacture of egg products and its importance for the egg industry. (Fl) *Land- Tuinbouw Jaarboek* 20:185-190. 1965. 13 L22
- 41250 HARTMAN, R. C. The military market for eggs. *Poultry Trib.* 72(1):48,72. Jan.1966. 47.8 P8642
- 41251 HENRY, W. R. Today's broiler leaders: who stays? who goes? *Broiler Indus.* 29(1):22,24, 26,28. Jan.1966. 47.8 N45
- 41252 HESSELS, D. F. Growth of the broiler industry in W.A. *West. Australia. Dep. Agr. J.* (ser.4)6(9):555-557. Sept.1965. 23 W52J
- 41253 JACK, J. W., DARFLER, J., and STRATTON, C. E. New marketable poultry and egg products 15. Chicken chunkalona, chicken chunk roll, poulet supreme. *Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res.* 172,14 p. Aug. 1965. 281.9 C81A
- 41254 JACKSON, M. E. Contract egg production and marketing. *Kans. State Univ. Agr. Ext. L-181*, 6 p.-folder. June 1965. 275.29 K13Le
- 41255 JOHNSON, A. R., and SHENSTONE, F. S. Cyclopropanoid compounds and related egg storage disorders. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:60-61. 1964. 47.9 Au742
- 41256 JONES, H. B. Economies of scale in egg packing plants under changing cost and technological conditions. *Ga. Agr. Exp. Sta. Tech. Bull.* (n.s.) 48,49 p.,map. Ref. Oct.1965. 100 G293T
U. S. Department of Agriculture, cooperating.
- 41257 KING, C. H. The service provided by State egg boards. *EMB (Egg Marketing Board) Bull.* 5(7):7,9,11. July 1965. 280.38 Eg3
In Australia.
- 41258 KORSOEN, L. The ability of eggs to absorb odor and flavor from other food products. (No) *Fjorje* 82(8):159-161. Aug.1965. 47.8 T432
- 41259 LAWRENCE, C. Wanted: more egg eaters. *Everybodys Poultry Mag.* 70(10):59-61. Oct. 1965. 47.8 F213P
- 41260 LECLERCQ, J. Poultry market in Belgium. (Fr) *In France. Centre National des Expositions et Concours Agricoles. Le ravitaillement des grandes villes*, p.143-144. 1965. 389.9 F843
- 41261 MARKOVIC, B. S., and SIMIC, V. M. A contribution to the study of bacterial flora in the organs of dead fowls. (Se) *Vet. Glas.* 19(11):877-880. 1965. 41.8 J93
English summary.
- 41262 MCNALLY, E. H. The relationship of egg shell weight to cracked eggs. *Poultry Sci.* 44(6):1513-1518. Nov.1965. 47.8 Am33P
- 41263 MOLL, A. O. Co-operation between industry organisations. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:5-6. 1964. 47.9 Au742
Australia.
- 41264 MUHM, D. Producer loses \$200 a week as a result of pesticide residue. *Poultry Trib.* 72(1):66-67. Jan.1966. 47.8 P8642
In eggs.
- 41265 NONAKA, M., and PIPPEN, E. L. Volatiles and oxidative flavor deterioration in fried chicken. *J. Agr. Food Chem.* 14(1):2-4. Jan./Feb.1966. 381 J8223
- 41266 PAULS, D. E., and HARRINGTON, A. H. Merchandising poultry: jumbo young chicken, market tests and consumer preferences. *Wash. Agr. Exp. Sta. Circ.* 454,23 p. Ref. Sept.1965. 100 W27S
- 41267 PERISH, A. Egg marketing in Australia. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:67-69. 1964. 47.9 Au742
- 41268 PETROVIC, B. Possibilities of contamination of eggs by radionuclides under conditions of external radioactive contamination. (Fr) *Ghent. Landbouwhogeschool. Mededel.* 30(2):1223-1226. 1965. 105.1 G344
- 41269 POOL, M. F., TANGO, W. J., and KLOSE, A. A. The fluoride content of commercial broiler backs and necks. *Poultry Sci.* 44(6):1545-1550. Ref. Nov.1965. 47.8 Am33P
- 41270 RAM, T. One egg per head per day. *Indian Livestock* 3(2):32-34,37. Apr./June 1965. 49 In23
Poultry program.
- 41271 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Egg Control Board for the financial year 1st July, 1963 to 30th June, 1964. Pretoria, 1965. 12 p. 281.3479 So82
Text also in Afrikaans.
- 41272 RICHARDS, J. F., and SWANSON, M. H. The relationship of egg shape to shell strength. *Poultry Sci.* 44(6):1555-1558. Nov.1965. 47.8 Am33P
- 41273 ROSS, E. An economical method for removing rust and other persistent stains from market eggs. *Hawaii Farm Sci.* 14(2):5-7. Apr.1965. 100 H314
- 41274 SHENSTONE, F. S., and VICKERY, J. R. The marketing of shell eggs and egg products. *Australasian Poultry Sci. Conv. Proc.*, 2d Conv.:70-73. 1964. 47.9 Au742
- 41275 SLUKA, S. J., BESCH, E. L., and SMITH, A. H. A hydrostatic tester for egg shell strength. *Poultry Sci.* 44(6):1494-1500. Nov.1965. 47.8 Am33P
- 41276 SOBOTKA, J., and VOTAVA, Z. Statistics of poultry for 1964. (Cz) *Drubeznictvi* 13(4):52-53. Apr.1965. 47.8 D843
Includes eggs.
- 41277 SORENSEN, J. Handling of our eggs. (Da) *Landbonyt* 19(8):292-294. Aug.1965. 11 L2322
- 41278 SOUTH QUEENSLAND. EGG MARKETING BOARD. Annual report and statements of accounts year ended 26th June, 1965. Brisbane, 1965. 16 p. 280.38 Eg3
- 41279 STEMBERGER, A. P. A look at tomorrow's poultry industry. *Everybodys Poultry Mag.* 70(10):54-55. Oct.1965. 47.8 F213P

- 41280 STUDENY, S. Twenty years of poultry industry in the liberated Czechoslovak SSR. (Cz) *Drubeznictvi* 13(5):71-72. May 1965. 47.8 D843
- 41281 WHITE, M. Alabama's egg industry makes important gains. *Highlights Agr. Res. [Ala. Sta.]* 12(4):7. Winter 1965. 100 AL1H

RUBBER AND RUBBER SUBSTITUTES

- 41282 ARCHER, B. L., BARNARD, D., and COCKBAIN, E. G. The stereochemistry of rubber biosynthesis. *Roy. Soc. Proc. Ser. B, Biol. Sci.* 163(993):519-523. Ref. Jan. 18, 1966. 501 L84B
- 41283 CALVERT, K. O., and NEWNHAM, J. L. M. Recent developments in latex foam. *Rubber Age* 98(2):73-82. Feb. 1966. 305.8 R82
- 41284 CLEVERLEY, B., and HERRMANN, R. A pyrolysis method for the determination of fillers and polymer in natural rubber products. *New Zeal. J. Sci.* 8(4):515-520. Dec. 1965. 514 N482
- 41285 KRAUS, G., ed. Reinforcement of elastomers. New York, Intersci., 1965. 611 p. Ref. (Polymer Engineering and Technology) T81892.K7
Papers by F. Bueche, S. D. Gehman, A. R. Payne, G. Kraus, J. Rehner, W. M. Hess, C. C. McCabe, W. F. Watson, J. O. Harris, W. W. Wise, O. K. Austin, J. H. Carroll, R. N. Cooper, M. L. Studebaker, J. W. Sellers, F. E. Toodner, H. Westlinning, H. Fleischhauer, O. W. Burke, B. B. Boonstra, W. L. Hawkins, and F. H. Winslow.
- 41286 KUNZ, F. Natural rubber—the resource of Malaysia. (Ge) *Osterr. Chem.-Zeitung* 66(12):387-389. Dec. 1965. 384 Os7

SEEDS

- 41287 COSCIA, A., and TORIGINO, S. B. DE Semillas de forrajeras perennes; elementos para un programa de expansion de su produccion [Perennial forage seeds; elements for a program of production expansion]. Pergamino. *Estac. Exp. Agropecuar. Inform. Tec.* 40, 21 p. May 1965. 102.5 P413
- 41288 DOYLE, E. J. Report of referee testing on a regional basis 1962-1965. *Int. Seed Testing Ass. Proc.* 30(2):427-435. 1965. 61.9 In84P
- 41289 ESBO, H. Testing for purity. *Int. Seed Testing Ass. Proc.* 30(1):29-37. 1965. 61.9 In84P
- 41290 FEDOROV, A. I. Sugar beet seed industry in USSR. (Rus) *Agrobiologiya* 6(156):824-834. Nov./Dec. 1965. 20 Ag822
- 41291 FIALA, F. Results of controls on the basis of the Seed Law; report on control activity in 1964 in Austria. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung. *Jahrbuch* 1964:50-55. 1965. 105.9 V675
- 41292 GRAEBER, R. Harmonizing the seed and plant legislation in the European Economic Community. (Ge) *Int. Seed Testing Ass. Proc.* 30(2):167-169. 1965. 61.9 In84P
- 41293 HILL, M. J., and JOHNSON, D. E. M. Attention to seed analysis certificates essential to ensure good crops. *New Zeal. J. Agr.* 111(7):20-21, 23. Dec. 1965. 23 N48J
- 41294 HORNE, F. R. O.E.C.D. and I.S.T.A. co-operation in crop improvement. *Int. Seed Testing Ass. Proc.* 30(2):158-166. 1965. 61.9 In84P
International Seed Testing Association.
- 41295 INTERNATIONAL SEED TESTING ASSOCIATION. FOREST SEEDS COMMITTEE. Report for the period 1962-65, by G. D. Holmes. *Int. Seed Testing Ass. Proc.* 30(2):349-368. 1965. 61.9 In84P
- 41296 INTERNATIONAL SEED TESTING ASSOCIATION. PROVENANCE COMMITTEE. Activity report, 1962-1965, by H. Germ. (Ge) *Int. Seed Testing Ass. Proc.* 30(2):319-325. 1965. 61.9 In84P
English summary.
- 41297 INTERNATIONAL SEED TESTING ASSOCIATION. RULES COMMITTEE. Report; revision of the international rules for seed testing, by E. J. Doyle. *Int. Seed Testing Ass. Proc.* 30(2):413-414. 1965. 61.9 In84P
- 41298 INTERNATIONAL SEED TESTING ASSOCIATION. STATISTICS COMMITTEE. [Activities], 1962-65, by J. R. Thomson. *Int. Seed Testing Ass. Proc.* 30(2):395-408. Ref. 1965. 61.9 In84P
- 41299 INTERNATIONAL SEED TESTING ASSOCIATION. STORAGE AND MOISTURE COMMITTEE. Report, 1962-1965, by M. J. F. Koopman. *Int. Seed Testing Ass. Proc.* 30(2):391-394. 1965. 61.9 In84P
- 41300 INTERNATIONAL SEED TESTING ASSOCIATION. VARIETY COMMITTEE. Report, 1962-1965, by H. C. Baekgaard. *Int. Seed Testing Ass. Proc.* 30(2):327-333. 1965. 61.9 In84P
- 41301 JUSTICE, O. L. Activities of the International Seed Testing Association during the period 1962-65. *Int. Seed Testing Ass. Proc.* 30(2):179-186. 1965. 61.9 In84P
- 41302 JUSTICE, O. L. Aims, functions and achievements of the International Seed Testing Association. *Int. Seed Testing Ass. Proc.* 30(1):3-13. Ref. 1965. 61.9 In84P
- 41303 KEDING, F. W. Agriculture and seeds in the Federal Republic of Germany. (Ge) *Int. Seed Testing Ass. Proc.* 30(2):139-146. 1965. 61.9 In84P
Regulation.
- 41304 KNEPPER, G. Arrangement of steps in storage, drying, and preparation of seed. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(3):114-116. Mar. 1965. 18 W763
- 41305 KOOPMAN, M. J. F. Report on the referee testing on association-wide basis 1962-1965. *Int. Seed Testing Ass. Proc.* 30(2):415-426. 1965. 61.9 In84P
International Seed Testing Association.
- 41306 MEINX, R. Varietal certification in Austria. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprufung *Jahrbuch* 1964:73-80. 1965. 105.9 V675
Seeds.
- 41307 MULLIN, J. F. Investigations into some common methods of lot sampling. *Int. Seed Testing Ass. Proc.* 30(2):207-213. 1965. 61.9 In84P
- 41308 NEEB, O. The establishment of the I.I.R.B. proposals for a study of sugar beet seeds. (Ge) *Int. Seed Testing Ass. Proc.* 30(2):173-176. 1965. 61.9 In84P
- 41309 PEREVERZEVA, G. I. Microorganisms of carrot, beet and tomato seeds under normal storage conditions. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:323-328. 1965. 20 M857
- 41310 PEREVERZEVA, G. I., and TSONEVA, A. Microorganisms on fresh carrot, beet and tomato seeds. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:315-321. 1965. 20 M857
Prepared for storage.
- 41311 QUADLAND, H. P. Put your beauty foot forward. *Seed World* 98(3):10-11. (Cont.) Feb. 11, 1966. 61.8 Se52
Advertising in the seed industry.
- 41312 SCHOOREL, A. F. How to issue and use international certificates. *Int. Seed Testing Ass. Proc.* 30(2):187-196. 1965. 61.9 In84P

- 41313 SCHOOREL, A. F. New observations on the treatment, testing and marketing of seeds. (Du) *Zaadbelangen* 19(10):201-203,206. May 31,1965. 61.8 Z1
- 41314 SEED trade buyers guide, 49th, 1966. n.p., 1966. 230 p, 225 Se3
- 41315 SMITH, H. L. Address on behalf of the Association of Official Seed Analysts. *Int. Seed Testing Ass. Proc.* 30(2):170-172. 1965. 61.9 In84P
- 41316 SOSEDOV, N. I., and others. Storage of corn and peas seeds with high moisture in the period from receiving them until drying, by means of chemical materials. (Rus) *Khim. Sel'skom Khoz.* 3(9):36-39. Ref. Sept.1965. 385 K524
E. G. Belykh, L. G. Dyskina, and V. I. Fat-takhov, joint authors.
Chloropicrin as fumigant.
- 41317 STATE certified plant varieties. *Acta Agron.* [Budapest] 15(3/4):379-382. 1965. 19 Ac8
- 41318 STEINBERGER, J. Purity and origin testing of Egyptian clover. (Ge) *Vienna. Bundesanst. Pflanzenbau Samenprufung. Jahrbuch* 1964:37-42. 1965. 105.9 V675
Seed analysis.
- 41319 VERHEY, C. The use of mechanical seed counters. *Int. Seed Testing Ass. Proc.* 30(2):213-221. 1965. 61.9 In84P
- 41320 WIJK, J. F. VAN. Report of the working group to study pretreatment of lupine seed, (*Lupinus luteus*). *Int. Seed Testing Ass. Proc.* 30(2):305-317. 1965. 61.9 In84P
- SUGAR AND SIRUPS**
- 41321 BASSEREAU, D. The Bacita sugar plant (Nigerian Sugar Co.). (Fr) *Agron. Trop.* [Paris] 20(9):893-899, map. Sept.1965. 26 Ag86
Sugarcane culture and manufacture.
- 41322 BOYDEN, K. Filterability studies at Isis. *Queensland Soc. Sugar Cane Technol. Proc.*, 31st Conf.:219-222. 1964. 65.9 Q332
- 41323 BOZARTH, R. F., BROWNING, R. E., and GROSS, S. A simple device for the preparation of linear and complex linear sucrose density gradients. *Boyce Thompson Inst. Contrib.* 23 (4):141-142. Oct./Dec.1965. 451 B69
- 41324 BROBST, K. M., and LOTT, C. E. Determination of some components in corn syrup by gas-liquid chromatography of the trimethylsilyl derivatives. *Cereal Chem.* 43(1):35-43. Jan. 1966. 59.8 C33
- 41325 CARPENTER, F. G. Current activities of Cane Sugar Refining Research Project. *Sugar J.* 28(7):7-9. Jan.1966. 65.8 Su391
Includes statistics.
- 41326 CARRUTHERS, A., HEANEY, R. K., and OLD-FIELD, J. F. T. Determination of sulphur dioxide. *Int. Sugar J.* 67(804):364-368. Dec. 1965. 65.8 In8
- 41327 CEROVSKY, J. From the history of sugarcane. (Cz) *Ziva* 13(6):205. Nov.1965. 409.6 Z6
- 41328 COODE, D. C. Barbados bulk sugar installation. *Int. Food Indus. Congr. Proc.* 1964:215-219. 389.9 In836
Storage and handling.
- 41329 DECOUX, L. Comparative prospects for beet and cane. *Sugar Azucar* 61(2):75. Feb.1966. 65.8 F11
- 41330 DEKKER, K. D. Impurities in sugar: improvement of quality of refined sugars in South Africa. (Sp) *Indus. Azucar.* 70(856):98. Mar.1965. 65.8 In22
- 41331 ESPARZA TABARES, R. Crystalization of sugar. (Sp) *Bol. Azucar. Mex.* 188:12-19. Feb.1965. 65.8 B63
- 41332 FANDINO LOPEZ, L. Organization of sugar production. (Sp) *Bol. Azucar. Mex.* 192:16-19. June 1965. 65.8 B63
Sugarcane.
- 41333 FERRIER, R. J. Unsaturated sugars. *Advances Carb. Chem.* 20:67-137. Ref. 1965. 381 Ad9
Literature review.
- 41334 FRANCISCO ROSTRO, EL L. Trends in and outlook of Mexican sugar industry. (Sp) *Bol. Azucar. Mex.* 195:30-36. Sept.1965. 65.8 B63
- 41335 FREPON, N. P. Automatic regulation in loading sugar beets to the bunker. (Rus) *Sakharn. Prom.* 1:42-46. Jan.1966. 65.8 Sa2
- 41336 GADO, K. Expected development in sugar consumption in the third Five-Year Plan and the mechanization of sugar packing. (Hu) *Cukoripar* 38(9):255-257. Nov./Dec.1965. 65.8 C89
German summary.
- 41337 GARCIA GONZALEZ, F., and GOMEZ SANCHEZ, A. Reactions of amino sugars with beta-dicarbonyl compounds. *Advances Carb. Chem.* 20:303-355. Ref. 1965. 381 Ad9
Literature review.
- 41338 GOMEZ ALVAREZ, F. Factors in evaluation of sugarcane productivity. (Sp) *Indus. Azucar.* 70(856):89-91. Mar.1965. 65.8 In22
Statistical methods for determining the sugar yields in relation to acreage.
- 41339 HAMILTON, R. K., and PAYNE, J. H. Juice clarification with magnesia. *Int. Sugar J.* 67 (804):362-363. Dec.1965. 65.8 In8
- 41340 HILTON, H. W., and UYEHARA, G. K. Herbicide residues: determination of 3-amino-1,2,4-triazole residues in sugarcane. *J. Agr. Food Chem.* 14(1):90-94. Jan./Feb.1966. 381 J8223
- 41341 HOWES, A. M. Sugar in industry. *S. Afr. Sugar J.* 49(5):485,487,489,491. May 1965. 65.8 So8
Consumption.
- 41342 HUGOT, E. Innovations and trends in the sugar industry. (Sp) *Bol. Azucar. Mex.* 188:20-23. Feb.1965. 65.8 Bu3
Sugarcane industry in French Overseas Territories.
- 41343 IRVINE, J. E., and FRILLOUX, J. J. Acidity and gum content in the juice as indicator of deterioration in sugarcane. (Sp) *Indus. Azucar.* 71(864):385-387. Nov.1965. 65.8 In22
Resulting from frost injuries; effects on processing quality.
- 41344 IVANUKH, R. A. Proper organization of raw materials zones for sugar plants in Lvov Region. (Rus) *Sakharn. Prom.* 1:64-67. Jan. 1966. 65.8 Sa2
- 41345 KELLER, A. G. Automatic measurement, control in cane sugar factories. *Sugar J.* 28(7):12, 14. Jan.1966. 65.8 Su391
- 41346 KEO, L. J. Process improvement for alcohol manufacture. *Taiwan Sugar* 12(2):15-19. Apr./June 1965. 65.8 T133
From molasses.
- 41347 KERECSENYI, A. Increased quality demands of the sugar world market. (Hu) *Cukoripar* 38 (9):248-249. Nov./Dec.1965. 65.8 C89
- 41348 KHVOROVA, L. C., and TREGUBOV, N. N. Role of sugar viscosity in the process of glucose crystallization. (Rus) *Sakharn. Prom.* 1:75-77. Jan.1966. 65.8 Sa2
- 41349 KLAUSHOFER, H., and PARKKINEN, E. The significance of aerobic and anaerobic thermophilic spore-forming organisms as causative factors of infection in beet sugar factories. II. Occurrence and significance of *Clostridium thermohydrosulfuricum* in beet sugar manufacture. (Ge) *Z. Zuckerindus.* 15(10):582-585. Oct.20,1965. 65.8 D48
English summary.
- 41350 KOMAI, Y. Recent improvements in the qualities of total sugar by the advanced processes. *Starke* 17(11):346-350. Nov.1965. 309 St22
Composition and chemistry.

- 41351 KONYAEVA, V. I. Methods for better allocation of sugar refining industry in Russian Soviet Federated Socialist Republic. (Rus) Sakharn. Prom. 1:56-60. Jan.1966. 65.8 Sa2
- 41352 KROTOSZYNER, J. P., DULCINO, J., and KIRCHMANN, R. A particular problems in connection with the counting of ^{14}C labelled organic molecules, by the liquid scintillation. (Fr) Ghent. Landbouwhogesch. Mededel. 30(2):1283-1293. 1965. 105.1 G344
English summary.
Sucrose.
- 41353 LAMBORN'S chart of world sugar prices, 1931-1965. New York, 1966. 6 p.-folder. 284.3659 L17Cha
- 41354 MADRAZO, C. M. Salient features in Taiwan's middle juice carbonation process. Sugar News [Manila] 41(11):666-668. Nov.1965. 65.8 Su36
Sugarcane juice.
- 41355 MAKHINYA, M. M., and others. Methods for increasing production and quality of sugar. (Rus) Sakharn. Prom. 1:6-13. Jan.1966. 65.8 Sa2
V. L. Mar'yanchik, L. I. Rozhinskii, and E. V. Litvinov, joint authors.
- 41356 MORRISON, E. The 1965 U.S.A. sugar legislation. S. Afr. Sugar J. 49(11):1055,1057,1059. Nov.1965. 65.8 So8
- 41357 MUNRO, B. M. The direct determination of fibre per cent bagasse by washing. Queensland Soc. Sugar Cane Technol. Proc., 31st Conf.:263-266. 1964. 65.9 Q332
- 41358 OESERT, K. Sugar beet prices for the 1965 harvest. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 130:25-27. July 15,1965. 281.8 B462
- 41359 PEREZ GAMINO, L. Automation of treatment with phosphonic lime for sugar-refineries. (Sp) Bol. Azucar. Mex. 190:12-17. Apr.1965. 65.8 B63
Phosphonic acid and calcium sucate in sugar juice clarification.
- 41360 PLUM, G. Balance sheets of the sugar industry 1963/64. (Ge) Z. Zuckerindus. 15(9):518-527. Sept.20,1965. 65.8 D48
- 41361 POSSESSOR, G. K. Determination of color of granulated sugar and its products. (Rus) Sakharn. Prom. 1:53-55. Jan.1966. 65.8 Sa2
Colorimetry.
- 41362 QUEBEC, BUR. OF STATISTICS. Maple products, 1965. Quebec, 1965. 12 p. 253.8 St2M
Sugar and syrup.
- 41363 RAKHMANYUK, V. V., and NIKOLAEV, P. V. Different data on sugars in sugarbeets given by raw material test and laboratory test in processing of beets harvested on production line. (Rus) Sakharn. Prom. 1:67-68. Jan. 1966. 65.8 Sa2
- 41364 RATHJE, W. Extraction of sugar from radioactive beet cosettes by the exchange of liquidity. (Ge) Z. Zuckerindus. 15(9):506-507. Sept.20,1965. 65.8 D48
English summary.
Radioactive carbon.
- 41365 REGGELIN, H. The possibilities of rationalising the analysis of beet by means of automation in a central laboratory. (Ge) Z. Zuckerindus. 15(9):514-518. Sept.20,1965. 65.8 D48
English summary.
- 41366 SCHMIDT, L., and others. Storage losses in different varieties of sugar beets. (Ge) Z. Zuckerindus. 15(10):579-581. Oct.20,1965. 65.8 D48
B. Vorlickova, A. Havranek, and J. Zahradnicek, joint authors.
English summary.
- 41367 SESTERO, J. R. Notes on hot liming. Queensland Soc. Sugar Cane Technol. Proc., 31st Conf.:227-232. 1964. 65.9 Q332
In sugar manufacture.
- 41368 SHALIGRAM, G. C., and RANE, N. K. On popular concept of statistics. Nagpur Agr. Coll. Mag. 38(4):21-25. 1964/65. 107.5 N132
For sugarcane yields.
- 41369 SHEVCHENKO, V. N., PIDOPLICHKO, V. N., and GEL'ON, M. D. Use of maleic hydrazide in control of sugar beet rotting in storage. (Rus) Khim. Sel'skom Khoz. 6:25-26. June 1965. 385 K524
Caused by Botrytis cinerea.
- 41370 SHEVTSOV, D. S., and MILYUTENKO, B. F. Study of drum-layer drying equipment constructed by Ukrghiprosakhar. (Rus) Sakharn. Prom. 1:30-35. Jan.1966. 65.8 Sa2
Sugar.
- 41371 SHIELDS, R. H. Research: the beet industry's new frontier. Sugar Azucar 61(2):41,60. Feb. 1966. 65.8 F11
- 41372 SOCIEDAD NACIONAL AGRARIA (PERU). Estadística azucarera del Peru, año 1964 [Sugar statistics of Peru, 1964]. Lima, 1965. 9 p. 281.3659 So12
- 41373 SOUR PECK, C. Efficient operation of cachaza filters. (Sp) Bol. Azucar. Mex. 187:13-15. Jan.1965. 65.8 B63
In order to avoid sucrose losses.
- 41374 STROH, H. H., GOLDENITZ, G., and PATZIG, H. Comparative research on oxidation and reduction of sugars. (Ge) Z. Chem. 5(12):459-460. Ref. Dec.1965. 384 Z325
- 41375 TROJE, E. Are smaller sugar factories capable of existing in the future? (Ge) Z. Zuckerindus. 15(8):470-472. Aug.20,1965. 65.8 D48
As a result of the Common Market and lower prices in Germany.
- 41376 TSAI, K. S. Evaluation of the furfural distillation process. Taiwan Sugar 12(2):23-27. Apr./June 1965. 65.8 T133
Made from bagasse.
- 41377 TURVEY, J. R. Sulfates on the simple sugars. Advances Carb. Chem. 20:183-218. 1965. 381 Ad9
Literature review.
- 41378 VALLANCE, L. G. The seasonal factor in relation to sugar per acre. Queensland Soc. Sugar Cane Technol. Proc., 31st Conf.:81-88. 1964. 65.9 Q332
A statistical study.
- 41379 WASMUND, R. Several critical considerations as to the procedure of raw juice extraction in accordance with Steckel's method. (Ge) Z. Zuckerindus. 15(9):507-509. Ref. Sept.20, 1965. 65.8 D48
English summary.
- 41380 WILSENS, A., MEY, L. DE, and MOREL, R. The fermentation of glucose-1- C^{14} and pyruvate-2- C^{14} by *Bacillus alvei*. (Fr) Ghent. Landbouwhogesch. Mededel. 30(2):825-835. Ref. 1965. 105.1 G344
English summary.
- 41381 WOLF, S. Some criteria for juice purification by means of lime and carbonic acid. (Ge) Z. Zuckerindus. 15(10):573-579. Ref. Oct.20, 1965. 65.8 D48
English summary.
- 41382 WRIGHT, P. G. The resistance heater for the preparation of low grade massecuites for continuous centrifugals. Int. Sugar J. 67(804):368-371. Dec.1965. 65.8 In8
- 41383 WU, H. S. The manufacture of hardboard from bagasse. Sugar News [Manila] 41(11):674,676, 678,680-682,684,686. Nov.1965. 65.8 Su36
- 41384 WU, H. S. Taiwan sugar; its relation with the refining industry. Taiwan Sugar 12(2):20-22. Apr./June 1965. 65.8 T133
- 41385 YARMILKO, V. G. Effect of sugar beet pulp on quality of juice. (Rus) Sakharn. Prom. 1: 19-24. Jan.1966. 65.8 Sa2
Sugar manufacture.
- 41386 ZSIGMOND, A. The tasks of the Hungarian Sugar Industry Research Institute [Magyar Cukoripar Kutató Intézete] in the development of the industry. (Hu) Cukoripar 38(9):241-248. Nov./Dec.1965. 65.8 C89
German summary.

TOBACCO

- 41387 BAETS, A. DE. New ways in the sewing of tobacco. (Fl) Land- Tuinbouw Jaarboek 20:45-51. 1965. 13 L22
- 41388 BROOKS, R. C. An economic analysis of the potential demand for United States flue-cured tobacco. Diss. Abs. 26(6):3082-3083. Dec. 1965. 241.8 M58
- 41389 DIRECTORY of Greek, Cyprus and Turkish tobacco suppliers. Tobacco [New York] 162(4): 74-84. Jan.28,1966. 286.89 T552
- 41390 GURTAN, H. Tobacco plays big role in Turkish everyday life. Tobacco [New York] 162(4): 52-53,55,69-70. Jan.28,1966. 286.89 T552 Industry.
- 41391 MCMURTRY, G. The acreage-poundage tobacco program. Agr. Policy Rev. 5(3):10-11. July/Sept.1965. 281.28 Ag82 Includes legislation.
- 41392 MORRIS, R. J. Licorice flavoring—determining flavoring—determination of sugars by gas chromatography and glycyrrhizin by infrared spectrophotometry. Tobacco [New York] 162(6):27-33. Feb.11,1966. 286.89 T552
- 41393 RUDD, R. W. Is acreage-poundage needed for burley? Agr. Policy Rev. 5(3):12-13. July/Sept.1965. 281.28 Ag82
- 41394 SKLIAS, N. Greece spares no effort to update tobacco production. Tobacco [New York] 162(4):30-31. Jan.28,1966. 286.89 T552
- 41395 SOUTH CAROLINA. DEPT. OF AGRICULTURE. South Carolina 1965 tobacco report. n.p., 1966? 49 p. 281.3699 So82 Statistical.
- 41396 THASSITIS, B. Burley cultivation gets needed boost from N.T.B. [National Tobacco Board]. Tobacco [New York] 162(4):25-27. Jan.28,1966. 286.89 T552 Greece.
- 41397 VULKOV, K. Bulgaria tobacco output tripled since 1939. Tobacco [New York] 162(4):46-47. Jan.28,1966. 286.89 T552
- 41405 GILLIES, C. P. An improved method of processing fish and fish offal. Int. Food Indus. Congr. Proc. 1964:17-20. 389.9 In836
- 41406 GLAZUNOV, V. V., PARCHEVSKII, V. P., and FLEISHMAN, D. G. Variation in the content of fission products of Cystoseira [barbata] in the Black Sea. 8 p. Ref. (JPRS: 22,714; OTS: 64-21275; CSO: 2951-S) Transl. 14139 Translation from Akademiya Nauk SSSR. Doklady 152(5):1222-1224. 1963. CFSTI:\$.50.
- 41407 GOERING, K. J., and BRELSFORD, D. L. New starches. I. The unusual properties of the starch from Saponaria vaccaria. Cereal Chem. 43(1):127-136. Ref. Jan.1966. 59.8 C33
- 41408 GOODRICH, D. C. Retail florists in New York State. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 153,16 p. Sept.1964. 281.9 C81A
- 41409 GOODRICH, D. C. Some economics of grading cut flowers. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 173,10 p. Sept.1965. 281.9 C81A
- 41410 HAFNER, G. Production and marketing conditions for flowers and ornamental plants in Bavaria. (Ge) Weihenstephan. Staatl. Lehr-Forschunganst. Gartenbau. Jahresber. 1964/65: 65-80. 1965. 105.8 W425
- 41411 HAGATONG, A. DE O. New process of fish drying. (Por) Conserv. Peixe 20(231):15,34. June 1965. 389.8 C7692
- 41412 MALDONADO, J. L., and RODRIGUEZ GARCIA, O. Handling, packing, and transportation practices of ornamental plant producers in Puerto Rico. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 189,24 p. Feb.1965. 100 P83 English summary.
- 41413 MATON, A., and VANTILBORGH, L. Continuous drying of hops by means of a conveyor drier. (Fl) Land- Tuinbouw Jaarboek 20:347-373. 1965. 13 L22
- 41414 PARVIN, P. E. Studies of the effects of post-harvest handling practices on the keeping quality and marketability of Better Times roses. Diss. Abs. 26(6):2963-2964. Dec.1965. 241.8 M58
- 41415 SEMLING, H. V. Whole fish protein concentrate process ready—awaits legal hassle. Canner/Packer 135(1):56-57. Jan.1966. 286.83 C16
- 41416 TEWARI, M. C., and RAO, P. S. Behaviour of bamboo in powder form, when treated with wood-preserving chemicals. Indian Forest 91(11):815-817. Nov.1965. 99.8 In2
- 41417 UJIE, M., and YOSHIKAWA, T. The properties of MWL and LCC from Sasa senanensis. (Ja) Jap. Wood Res. Soc. J. 11(2):59-64. Ref. Apr.1965. 99.9 J2793 English summary. Milled wood lignin and lignin-carbohydrate complex.
- 41418 VERZELE, M., CLAUS, H., and HOEY, M. VAN. Isomerization of the alpha acids of hops. Wallerstein Lab. Commun. 28(96):99-110. Aug. 1965. 390.9 W15
- 41419 WOLTZ, S. S. Improvement of quality of Chrysanthemum cut flowers by light. Florists' Rev. 137(3560):27-28. Feb.17,1966. 80 W41

MISCELLANEOUS PRODUCTS

- 41398 BERNINGER, L. M. An evaluation of proposed grades & standards for standard mums. Florists' Rev. 137(3562):50-51,81-85. Ref. Mar.3, 1966. 80 W41
- 41399 BOTELHO, A. T. Smoking of fish. (Por) Conserv. Peixe 20(231):27,34; (237):15,22. (Concl.) June,Dec.1965. 389.8 C7692
- 41400 CANADA. BUR. OF STATISTICS. Shipments of fruit and ornamental nursery stock, 1964. Ottawa, 1966. 39 p. 253 C1625Fr
- 41401 CONNELL, J. J. The use of sodium dodecyl sulphate in the study of protein interactions during the storage of cod flesh at -14. J. Sci. Food Agr. 16(12):769-783. Ref. Dec.1965. 382 So12
- 41402 CRUZ-GONZALEZ, J. S., and ESCOLANO, J. O. The fiber fractions of giant bamboo [Gigantochloa aspera] sulfate pulp and their strength properties. Lumberman [Manila] 11(6):12,14,16,20. Ref. Oct./Nov.1965. 99.81 L9793
- 41403 DYER, J. K., ANDERSON, A. W., and DUTIYA-BODHI, P. Radiation survival of food pathogens in complex media. Appl. Microbiol. 14(1):92-97. Jan.1966. 448.3 Ap5 In crab meat.
- 41404 GERMANY (FEDERAL REPUBLIC). BUNDESMINISTERIUM FUR ERNAHRUNG, LANDWIRTSCHAFT UND FORSTEN. Jahresbericht uber die deutsche Fischwirtschaft 1964/65 [Annual report on German fisheries 1964/65]. Berlin, 1965. 278 p. 414.8 J19 Statistisches Bundesamt, cooperating. Includes fish processing.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 41420 ABRYUTINA, M. S. Sel'skoe khozyaistvo v sisteme balansa narodnogo khozyaistva [Farming in the system of the national economic balance]. Moskva, Ekonomika, 1965. 151 p. HD1992.A2
- 41421 AGRICULTURAL economy of the Italian regions. XIV. Lombardy. Ital. Doc. Notes. 14(4): 309-325. July/Aug. 1965. 280.8 It13
- 41422 AMERICAN STATISTICAL ASSOCIATION. BUSINESS AND ECONOMIC STATISTICS SECT. Proceedings, 1965. Washington, D. C., 1965. 431 p. 251 Am322
- 41423 BABBAR, M. M. Economic integration of the Central American countries and their agriculture. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 14(11):1-9. Nov. 1965. 251 F73Mb
Central American Economic Integration Program.
- 41424 BAIBAKOV, N. K. O gosudarstvennom plane razvitiya narodnogo khozyaistva SSSR na 1966 god [Governmental policies for development of national economy in USSR in 1966]. Izdatel'stvo Politicheskikh Literatury, 1965. 47 p. HC336.2.B3
Includes agriculture.
- 41425 BEAVERS, I. The disadvantaged. J. Coop. Ext. 3(4):234-238. Winter 1965. 275.28 J82
Farmers economic status and education in Mexico.
- 41426 BERNARDI, L. DE. Economic and social aspects of the Province of Sondrio in 1861. (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna 18(11):13-19. Nov. 1965. 287 So5
Includes agriculture.
- 41427 BOICHEV, I. Preodolyavane na razlichyata mezhdu grada i seloto v NRB [Overcoming differences between towns and villages in Bulgarian Democratic Republic]. Sofiya, Izdatel'stvo BKP, 1964. 137 p. HD2042.B6
- 41428 BONNINGER, K., and HAHNERT, R. Legal relations between district agricultural board and local organisms of the government in the district according to the decree of the Government Council of the DDR on 2.7.1965. (Ge) Z. Agra-rokon. 11(8):330-333. 1965. 281.8 Z3
Agricultural economic planning.
- 41429 BORTON, R. E. Irrigation on the Crow reservation: tribal and community benefits of the proposed Hardin Unit, Big Horn County, Montana. Diss. Abs. 26(7):3665. Jan. 1966. 241.8 M58
Economic benefits.
- 41430 BREIMYER, H. F. Individual freedom and the economic organization of agriculture. Urbana, Univ. Ill. Press, 1965. 314 p. Ref. HD1761.B7
Includes chapters on tenure, horizontal and vertical integration, attitudes, marketing agreements, and cooperatives.
- 41431 BREITENMOSER, J. The agricultural, dairy, and mountain economies in Appenzell-Inner-rhoden. (Ge) Grune 94, I.e. 93(40):1408-1413. Oct. 1, 1965. 17 Sch9
- 41432 BRUTON, H. J. Principles of development economics. Englewood Cliffs, N. J., Prentice-Hall, 1965. 376 p. Ref. HD82.B7
Contains references to agriculture and rural areas for which the index should be consulted.
- 41433 CHRISTENSEN, R. L. Logic, science, and economics. J. Farm Econ. 48(1):137-139. Feb. 1966. 280.8 J822
- 41434 CHRISTENSEN, R. P. Agricultural progress in less developed countries. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p. 25-47. 1965. HD1411.15
- 41435 CORNELL UNIVERSITY. STATE COLLEGE OF AGRICULTURE. DEPT. OF AGRICULTURAL ECONOMICS. New York economic handbook 1966; agricultural situation and outlook. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 389, 83 p. Dec. 1965. 281.9 C81Ae
- 41436 COX, L. M. Utah's future—problems and potentials. Farm Home Sci. [Utah Sta.] 26(4):108-130, 132. Dec. 1965. 100 Ut1F
Social and economic planning.
- 41437 DENMARK. UDENRIGSMINISTERIUM. Economic survey of Denmark 1965. Copenhagen, 1965. 91 p. 280.9 D41
Chapter II deals with agriculture.
- 41438 DE SWARDT, S. J. J. Some agro-economic views. Agrekon 4(4):6-11. Oct. 1965. 281.8 Ag835
In the Republic of South Africa.
- 41439 DYER, W. E. The disadvantaged people. State Soc. Conf. Church Leaders. Proc. 1964:187-197. 1965. 280.9 St27
- 41440 FAURE, M. Europe in bad condition. (Fr) Paysans 10(56):5-12. Oct./Nov. 1965. 14 R323
Includes agriculture and formation of European Economic Community.
- 41441 FEHER, L. Development of agriculture and the standard of living. (Hu) Magyar Mezogazdasag 21(2):3-4. Jan. 12, 1966. 19 M27
- 41442 FERRERO, R. A. Balance between agricultural and industrial development. (Sp) Vida Agr. [Lima] 42(494):1-3, 5, 7, 9, 11, 13-14. Jan. 1965. 9.8 V66
Latin America.
- 41443 FERRO, E. E. J. The rural area is suffering at present a new blow. (Sp) Ovina 27(320/321):60-61, 63. Mar./Apr. 1965. 45.8 Ov4
Argentine economic conditions.
- 41444 FINLAND. MINISTRY OF FINANCE. DIV. FOR ECONOMIC AFFAIRS. Economic survey 1965. Helsinki, 1965. 112 p. 280.8 F49
Agriculture included.
- 41445 GENSUROWSKY, W. On the argument about mathematical methods. J. Farm Econ. 48(1):136-137. Feb. 1966. 280.8 J822
- 41446 GERMANY (FEDERAL REPUBLIC). BUNDESMINISTERIUM FÜR ERNÄHRUNG, LANDWIRTSCHAFT UND FORSTEN. Bericht über die Verbesserung der Agrarstruktur in der Bundesrepublik Deutschland 1964-65 [Report on the improvement of agrarian structure in the Federal Republic of Germany 1964-65]. Bonn, 1966? 211 p., map. 281.9 G312Be
Tenure changes, outsettlement, and market structure.
- 41447 GOSSLING, W. F. A new economic model of structural change in U.S. agriculture and supporting industries. Urbana, 1965. 284 p. Ref. HD1425.G6
Thesis—University of Illinois.
- 41448 HEADY, E. O., and others. Roots of the farm problem; changing technology, changing labor needs. Ames, Iowa State Univ. Press, 1965. Ref. 224 p. HD1765.H4
E. O. Haroldsen, L. V. Mayer, and L. G. Tweeten, joint authors.
- 41449 HEARN, J. J. War on Poverty in Craven County. Agr. Policy Rev. 5(4):14-15. Oct./Dec. 1965. 281.28 Ag82
- 41450 HENDRIX, W. E. The experience of more rapidly developing countries. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p. 12-24. 1964. HD1411.15
- 41451 IOWA STATE UNIVERSITY. CENTER FOR AGRICULTURAL AND ECONOMIC DEVELOPMENT. Economic development of agriculture; the modernization of farming. Ames, Iowa State Univ. Press, 1965. 314 p. Ref. HD1411.15
Preface by E. O. Heady; overview by E. O. Haroldsen; comments by M. Kriesberg.

- 41452 JAPAN, ECONOMIC PLANNING AGENCY. Economic survey of Japan (1964-1965). Tokyo, 1965. 234 p. 280.9 J274
Includes the agricultural economy.
- 41453 KABOURAS, G. Farmers need technicoeconomic assistance. (Gre) Greece. Hypourgeion Georgias, Deltion Georgikon Epharmogon Ekpaideuseos 4:99-101. July/Aug. 1965. 275.249 G81
- 41454 KILIAN, J. 15 years of Gundorf—15 years for practice and in practice. (Ge) Z. Agrarokon. 11(8):345-348. 1965. 281.8 Z3
Gundorf Institute for Agricultural Management and Labor Economics of the German Academy of Agricultural Sciences (Institut für landwirtschaftliche Betriebs- und Arbeitsökonomik of the Deutsche Akademie der Landwirtschaftswissenschaften).
- 41455 KRETSCHMANN, J. G. Notes on the crisis in Soviet agriculture. (It) Stud. Econ. 20(5/6): 407-416. Sept./Dec. 1965. 280.8 St9
- 41456 MADDOX, J. G. The economic situation in the rural South. Agr. Policy Rev. 5(3):6-7. July/Sept. 1965. 281.28 Ag82
- 41457 MARTIRANO, G. A new generation for a modern agriculture. (It) Rass. Agr. Ital. 20(12): 32. Dec. 1965. 281.8 R18
Change from peasant type economy.
- 41458 MCHANEY, J. G. General economic outlook for agriculture in 1966. Grain Prod. News 18(5):10-11. Feb. 1966. 286.81 G764
United States.
- 41459 MCPHERSON, W. W. Input markets and economic development. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.99-117. Ref. 1965. HD1411.15
Includes labor, real estate, and capital goods in relation to increased productivity.
- 41460 MILK, R. G. Widening horizons for agricultural economics. J. Farm Econ. 48(1):132-133. Feb. 1966. 280.8 J822
Policy.
- 41461 MILLER, J. L. To the South's changing economy. Agr. Policy Rev. 5(4):12-13. Oct./Dec. 1965. 281.28 Ag82
- 41462 MONTELIBANO, A. Agricultural development and public policy. Sugar News [Manila] 41(11): 669-670, 672. Nov. 1965. 65.8 Su36
- 41463 MOORE, L. Economic development and Ceylon. Malayan Econ. Rev. 10(2):114-126. Ref. Oct. 1965. 280.8 M29
Includes the agricultural economy.
- 41464 NAKANO, M., and others. Studies on the influence of industrialization on farm management in Setouchi coastal district. 3. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:57-76, map. Dec. 1964. 107.6 H572Ho
T. Kibi, Y. Sasaki, and A. Ika, joint authors. English summary.
- 41465 NANAVATI, M. B., and ANJARIA, J. J. The Indian rural problem. Ed. 6, rev. Bombay, Indian Soc. Agr. Econ., 1965. 595 p. Ref. HD2072.N3
Economic.
- 41466 NEW ZEALAND, MINISTRY OF FINANCE. Economic review 1965. Wellington, 1965. 43 p. 280.8 N482
Includes agriculture.
- 41467 PÄPEN-LOHE, C. VON. Our agriculture in the industrial society. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):42, 44. Jan. 13, 1966. 18 N39
- 41468 PENNACCHIETTI, A. Agriculture in the Italian national economy. Banca Naz. Lav. Quart. Rev. 75:376-400. Dec. 1965. 284.8 B226
- 41469 PIRHALLA, F. F. Basic data on the economy of Bulgaria. U. S. Bur. Inst. Com. Overseas Bus. Rep. OBR-65-40, 12 p., map. June 1965. 157.54 Ov2
Agricultural economy included.
- 41470 PRINZI, D. Informe al Gobierno de Mexico sobre perspectivas de desarrollo para la economia agricola de la zona fronteriza mexicana del norte [Report to the Government of Mexico on prospects of development for the agricultural economy of the northern Mexican frontier zone]. Food. Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2016, 85 p., map. 1965. 281.9 F773E
- 41471 RAUTENKRANZ, W. VON. Our agriculture in the industrial society. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):40-42. Jan. 13, 1966. 18 N39
- 41472 REUTLINGER, S. Analysis of a dynamic model, with particular emphasis on long-run projections. J. Farm Econ. 48(1):88-106. Ref. Feb. 1966. 280.8 J822
Econometrics.
- 41473 ROGERS, C. E. A random sample using limited mail questionnaires and nonresponse interviews. Agr. Econ. Res. 18(1):10-12. Jan. 1966. 1 Ec7Agr
- 41474 SCHWEIZERISCHE BANKGESELLSCHAFT. Economic development of Switzerland 1939-1964. Schweiz. Bankgesellschaft. Bull. [Engl. Ed.] 2/3, 44 p. 1964. 284.9 Sch92Be
Contains a section on agriculture.
- 41475 SCHWEIZERISCHE BANKGESELLSCHAFT. Switzerland economic survey 1964. Schweiz. Bankgesellschaft. Bull. [Engl. Ed.] 4, 64 p. 1964. 284.9 Sch92Be
Agriculture included.
- 41476 SHAPIRO, T. R. Area aspects of poverty. Amer. Statist. Ass. Bus. Econ. Statist. Sect. Proc. 1965:10-13. 251 Am322
Rural areas included.
- 41477 SOCIAL SCIENCE RESEARCH COUNCIL. Annual report, 1964-1965. New York, 1965. 93 p. 280.9 So12
Includes work in agricultural economics.
- 41478 TANG, A. M. External forces in agricultural development. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.286-307. Ref. 1965. HD1411.15
Industrialization and foreign trade.
- 41479 THOMPSON, J. E. An analysis of economic trends in the agricultural sector of the economy. State Soc. Conf. Church Leaders. Proc. 1964:64-73. 1965. 280.9 St27
- 41480 THORBECKE, E. The role and function of agricultural development in national economic growth. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.269-285. Ref. 1965. HD1411.15
- 41481 U. S. S. R. TSENTRAL'NOE STATISTICHESKOE UPRAVLENIE. Narodnoe khozyaistvo RSFSR v 1964 godu; statisticheskii ezhegodnik [National economy of Russian Soviet Federated Socialist Republic in 1964; statistical yearbook]. Moskva, 1965. 576 p. 267 R924N
Includes agriculture.
- 41482 UNITED NATIONS. World economic survey 1964. Part I-II. New York, 1965. 2 v. 280.9 Un3656
Includes agriculture and agricultural programs.
- 41483 UNITED NATIONS, ECONOMIC COMMISSION FOR EUROPE. Annual report (1 May 1964-8 May 1965). New York, 1965. 104 p. 280.9 Un3653Os
Economic and Social Council Official Records: thirty-ninth session, supplement No. 3. Includes activities of the Commission on Agricultural Problems.
- 41484 VERMEHREN, W. Path to making the economy and agriculture healthy. 3. (Ge) Lebendige Erde 4:137-142. July/Aug. 1965. 18 L49

- 41485 VREJBA, S., and JIANU, E. The place and role of agriculture in the national economic development of Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 340:23-31. Feb.17,1965. (JPRS 28,798) 173 J663Ste
Translation from Probleme Agricole 12:4-10. Dec.1964.
- 41486 WISE, J. O. On the emphasis for agricultural economics. J. Farm Econ. 48(1):135-136. Ref. Feb.1966. 280.8 J822
- 41487 ZWAENEPOEL, M., and VANHOVE, M. Agriculture in West Flanders, an economic and sociographic analysis. (Fl) Landbouw-Serv. 4:118-120. July/Aug.1965. 13 L234
- AGRICULTURAL FINANCE
- 41488 BAKER, C. B. Limited capital as a restraint on agricultural development. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.118-131. Ref. 1965. HD1411.15
- 41489 CHOJNACKA, H. Rural income during 1961-1965 discussed. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:25-31. Oct.13,1965. (JPRS 32,382; TT 65-32872) 173 J663Ste
Farmers expenditures and taxes in Poland included.
Translation from Zycie Gospodarcze 34:6. Aug.1965.
- 41490 GARBARI, M. Limitations to land transformation on dry and irrigated soils. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.325-336. 1964. 281.9 C815
- 41491 HJELM, L., ANDERSSON, K. O., and AS-TRAND, H. The capital problem in agriculture. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:89-100. 11 Sw34
Capital requirements and credit.
- 41492 LOHRKE, L. Ascertainment of the economic use of investments in the planning of investment application in agriculture. (Ge) Z. Agrarikon. 8(12):374-377. 1965. 281.8 Z3
- 41493 MARIAN, I., GUTESCU, L., and SCARLAT, P. Determination of financial assets of cooperative farms. (Rum) Rev. Statist. 14(5):26-34. Apr.1965. 267.8 St22
- 41494 MILLER, H. J. Foreign capital and credit on farms as of July 1, 1964. (Ge) Germany Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(4):684-696. 1965. 18 G31
- 41495 NORIN KINYU MONDAI KENKYUKAI Gendai no nogo kinyu [Modern agricultural finance]. Tokyo, Ochanomizu Shobo, 1965. 296 p. HG2051.J3N6
- 41496 PARKER, F. W. Priorities in agricultural development and investment. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.175-199. Ref. 1965. HD1411.15
In modernizing traditional agriculture.
- 41497 PASKALEV, S. The dynamics and structure of fixed assets in TKZS's (cooperative farms). U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 362:1-17. May 26,1965. (JPRS 30,248) 173 J663Ste
Translation from Ikonomicheska Misul 2:44-58. Feb.1965.
Bulgaria.
- 41498 PITCAIRN, J. R. Money management & major equipment purchases. West. Livestock J. 44(10):26-28,30-32. Jan.1966. 6 F2278
For cattle farms.
- 41499 RECKLEBEN, E. J. Finance planning on the farm. (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1165-1166,1168. July 22,1965. 18 N39
- 41500 SIDELKIN, N. P. Social capital in collective farming. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:2-5. Jan.1966. 30.69 Uc4
- 41501 STRAUSMANIS, G. A. Effective use of collective farm incomes for capital investments. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:38-41. Jan.1966. 30.69 Uc4
- 41502 TRANDAFIR, A., and others. Elaboration of balances of production, distribution and utilization of production of cooperative farms. (Rum) Rev. Statist. 14(10):22-32. Oct.1965. 267.8 St22
L. Gutescu, P. Scarlat, and I. Stanila, joint authors.
- 41503 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income: detail of expenditures and income, rural nonfarm areas in the North Central Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-85(sup.3),165 p. Feb. 1965. 158.6 B89
- 41504 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income: detail of expenditures and income, rural nonfarm areas in the Northeastern Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-84(sup.3),165 p. Feb. 1965. 158.6 B89
- 41505 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income: detail of expenditures and income, rural nonfarm areas in the Southern Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-86(sup.3),165 p. Mar.1965. 158.6 B89
- 41506 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income: detail of expenditures and income, rural nonfarm areas in the United States, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-88(sup.3),165 p. Mar.1965. 158.6 B89
- 41507 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income: detail of expenditures and income, rural nonfarm areas in the Western Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-87(sup.3),165 p. Feb.1965. 158.6 B89
- 41508 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the North Central Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-85(sup.1), 6 p. June 1964. 158.6 B89
- 41509 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the Northeastern Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-84(sup.1),6 p. June 1964. 158.6 B89
- 41510 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the Southern Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-86(sup.1),6 p. June 1964. 158.6 B89
- 41511 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the United States, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-88,13 p. June 1964. 158.6 B89
- 41512 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the United States, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-88(sup.1),6 p. June 1964. 158.6 B89
- 41513 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, rural nonfarm areas in the Western Region, 1961. U. S. Bur. Labor Statist. BLS Rep. 237-87,6 p. June 1964. 158.6 B89
- 41514 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total North Central Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-90,25 p. May 1965. 158.6 B89
- 41515 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total North Central Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-90(sup.1), 16 p. 1965. 158.6 B89

- 41516 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Northeastern Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-89,25 p. May 1965. 158.6 B89
- 41517 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Northeastern Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-89(sup.1), 16 p. 1965. 158.6 B89
- 41518 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Southern Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-91,25 p. May 1965. 158.6 B89
- 41519 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Southern Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-91(sup.1), 16 p. 1965. 158.6 B89
- 41520 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total United States, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-93(sup.1), 16 p. Feb.1965. 158.6 B89
- 41521 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Western Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-92,25 p. May 1965. 158.6 B89
- 41522 U. S. BUR. OF LABOR STATISTICS. Consumer expenditures and income, total Western Region, urban and rural, 1960-61. U. S. Bur. Labor Statist. BLS Rep. 237-92(sup.1), 16 p. 1965. 158.6 B89
- 41523 VOGEL, G. Supplement to: Limitations and extent of livestock stands in the framework of agricultural assets. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 134:16. Nov.15,1965. 281.8 B462
- 41524 WERNER, K. Problems of compensation of economic difficulties and damages which originate from land use limitations on socialist farms. (Ge) Z. Agrarikon. 8(7):205-207. 1965. 281.8 Z3
- Credit
- 41525 BANCA NAZIONALE DELL'AGRICOLTURA. Relazioni e bilancio al 31 dicembre 1964, XLIII esercizio [Report and balance as of December 1964, XLIII season]. Roma, 1965. 45 p. 284.29 B2233
- 41526 BATTISTELLI, E. Automobiles for unrestricted use excluded from agricultural credit. (It) Cronache Econ. 275/276:63-67. Nov./Dec.1965. 280.8 C882
- 41527 CAVANI, B. The arrangement of agricultural credit. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.392-401. 1964. 281.9 C815
- 41528 FEDOROV, N. M., and AVERKIN, V. D. Improving procedure of long-term credits for collective farms. (Rus) Uchet Finansy Kolkhov. Sovkhoz. 1:41-42. Jan.1966. 30.69 Uc4
- 41529 GOLAY, E. Peasant right of succession and indebtedness of agriculture. (Fr) Ann. Agr. 4: 33,35. 1964/65. 17 An73
Switzerland.
- 41530 GUILLORY, V. D., and HISSONG, C. S. Pay now or pay later? La. State Univ. Ext. Ext. Publ. 1426,8 p.-folder. June 1965. 275.29 L93Ep
- 41531 KURATH, R. Investment credit for agriculture. (Ge) Grune 94(2):39-51. Jan.14,1966. 17 Sch9
Switzerland.
- 41532 LAND AND AGRICULTURAL BANK OF SOUTHERN RHODESIA. Report for the year ended 31st December, 1964. Salisbury, 1965. 19 p. 284.29 L233
- 41533 LANPHER, B. F. Credit for rural youth club members. Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf.,pt.3:94-95. 1964. 275.249 In87
In the United States.
- 41534 LOHDEN. Financial assistance in upgrading farms, building construction, and resettlement. (Ge) Obstbauversuchsrings Alten Landes. Mitt. 20(5):182-184; (7):271-272. May-July 1965. 85 J76
Government credit.
- 41535 MEDEIROS, M. C. DE. The importance, organization and operation of a loan program for rural youth. Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf.,pt.3:107-111. 1964. 275.249 In87
Asociacion de Credito e Asistencia Rural (ACAR) in Brazil.
- 41536 MUJICA B., C. Credit planning within the agrarian reform. (Sp) Seminar. Programacion Admin. Reforma Agr. [Doc.] 1964:289-298. 282.9 Se54
Comment by J. R. Carvajal E., p. 299-301. Venezuela.
- 41537 NEL, L. W. A. Credit restriction and the agricultural industry. Agrekon 4(4):12-19. Oct. 1965. 281.8 Ag835
Republic of South Africa.
- 41538 PHILLIPS, M. J. Savings and loan societies—a progress report. Australian Ter. 5(1):11-17. Jan.1965. 280.8 Au77
- 41539 POMPON, M. L. Agricultural credit. (Fr) Avenir Agr. 5:9-11. Sept./Oct.1965. 14 Av32
History.
- 41540 TIMM, T. R. Rural credit in the next decade. I. Banking 58(8):84,86. Feb.1966. 284.8 Am3
- 41541 TURKIYE CUMHURİYETİ ZIRAAT BANKASI. Rapport sur le 101 eme exercice [Report of the Agricultural Bank of Turkey for the 101st season], 1964. Ankara, 1965. 27 p. 284.29 B22C
- 41542 WALTHER, A. The banks and agriculture. (Fr) Ann. Agr. 4:40-41. 1964/65. 17 An73
Switzerland.
- Income
- 41543 BANNORTH, H. Determination of the influence of natural and economic production factors on differences in the level of production and the formation of differential rent. (Ge) Z. Agrarikon. 11(8):321-326. 1965. 281.8 Z3
Site factors.
- 41544 ELLENDER, A. J. Income per farm will set new record in 1966. Tarheel Banker 44(8):17, 43,49. Feb.1966. 284.8 T17
- 41545 FAMULARO, N. Income parity. (It) Bonifica Integrale 19(4):111-112. Apr.1965. 55.9 As72
- 41546 FIGA'-TALAMANCA, M. A method for the evaluation of income produced in regions, provinces, and communes. (It) Stud. Econ. 20(5/6):389-406. Sept./Dec.1965. 280.8 St9
Agricultural income included.
- 41547 GROVE, E. W. Parity versus cost of production. J. Farm Econ. 48(1):134-135. Feb.1966. 280.8 J822
- 41548 JACOBSON, M. A., and PAARLBERG, D. Parity of net worth. J. Farm Econ. 48(1):127-129. Feb.1966. 280.8 J822
- 41549 LANGLADE-DEMOYEN, C. The agricultural orientation law 5 years later. I. (Fr) Chambres Agr. 36(315/316,loi d'orientation agr.), 36 p. May 1/15,1965. 14 T69
For the establishment of parity.
- 41550 LAPPAS, A. Income policy and formation of assets. (Ge) Wissen Wirken 10:23-36. 1965. 18 W762

- 41551 PAGNAGNOLI, I. Income from agriculture in the Province of Milano. (It) Cam. Com. Milano 3(5):47-52. Sept./Oct. 1965. 280.9 M587R
- 41552 PELLIZZARI, C. Income parity with agriculture. (It) Rass. Agr. Ital. 20(11):19-20. Nov. 1965. 281.8 R18

Insurance

- 41553 ARKIN, J. Will your insurance pay for rebuilding? Big Farmer 37(3):24d. Summer 1965. 58.8 B46
From fire loss.
- 41554 BYGOTT, R. B. How workers' compensation affects the producer. Queensland Agr. J. 92(1): 2-5. Jan. 1966. 23 Q33
- 41555 CARLOWITZ, G. VON. Insurance on the farm. (Ge) Mitt. Deut. Landwirt.-Ges. 79(47):1604-1606. Nov. 19, 1964. 18 N39
- 41556 MANZINI, P. Inadmissible discrimination. (It) G. Agr. 76(7):39. Feb. 13, 1966. 16 It1G
Law on accident and health insurance.
- 41557 MICHELI, L. New single text of rules on workers' accident insurance. (It) Rass. Agr. Ital. 20(11):27-28. Nov. 1965. 281.8 R18
- 41558 MYRICK, D. H. Improving the effectiveness and acceptability of the Federal crop insurance program. Diss. Abs. 26(7):3668. Jan. 1966. 241.8 M58
Work of the Federal Crop Insurance Corporation.
- 41559 SAVCHENKO, P. V. Obshchestvennyi fond potrebleniya kolkhoza [Social welfare fund on collective farm]. Nar. Univ. Sel'skokhoz. Fak. [Knizhaka] 10, 59 p. 1965. 275.9 N16

Taxation

- 41560 BAILEY, F. Tax management plays growing farm role. Banking 58(8):80,82. Feb. 1966. 284.8 Am3
- 41561 BURNS, E. O. Is depreciation a gimmick? Queensland Agr. J. 91(11):641-646. Nov. 1965. 23 Q33
Income taxation.
- 41562 DERTÉANO URRUTIA, C. Tax aspects of the agricultural enterprise. (Sp) Vida Agr. [Lima] 42(494):15-22. Jan. 1965. 9.8 V66
In cotton production.
- 41563 EDWARDS, C. T. The structure of import and excise duty taxation in the states of Malaya and Singapore. Malayan Econ. Rev. 10(2):83-101. Ref. Oct. 1965. 280.8 M29
Agricultural products included.
- 41564 GROB, R. Again: equalization fee in the light of the jurisdiction of the Federal Court of Constitutional Law. (Ge) Schlacht-Vieh Hof-Zeitung 65(4):146. Apr. 1965. 286.85 D48
- 41565 HOUGHABOOM, V. R. Can farmers save tax dollars by leasing? Agway Coop. 1(1):12-13. Oct. 1964. 280.28 Ag9
Equipment.
- 41566 HOUGHABOOM, V. R. Is your tax base too low? Agway Coop. 1(11):26-27. Aug. 1965. 280.28 Ag9
For farmers.
- 41567 JOZWIAK, M., and RATAJCZAK, K. Discussion of rural taxation based on land ownership or income. 340:11-22. Feb. 17, 1965. (JPRS 28,798) 173 J663Ste
Translation from Zycie Gospodarcze 40:9. Oct. 4, 1964; 50:8. Dec. 13, 1964.
- 41568 KRAUSZ, N. G. P. Fringe benefits in farm corporations. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Res. Rep. AERR 74, 22 p. July 1965. 281.9 IL62
Tax benefits.

- 41569 MCMULLAND, L. S., and BONDURANT, J. H. Tax considerations involved in incorporating the farm business. Ky. Agr. Exp. Sta. Bull. 700, 22 p. June 1965. 100 K41
- 41570 MICHEL, P. Where is the choice of farmers? (Fr) Paysans 10(56):35-43. Oct./Nov. 1965. 14 R323
Land taxation in France.
- 41571 OSWALD, F. The new farm examination order. (Ge) Mitt. Deut. Landwirt.-Ges. 81(3):76, 78, 80. Jan. 20, 1966. 18 N39
In relation to taxation.
- 41572 SCALINI, P. The farmer and the stock-raiser. (It) Avicoltura 34(2):73-75. Feb. 1965. 47.8 R523
Considerations on Italy's consumer taxes.
- 41573 SCHEU, H. Legislation on taxation changes in 1964-1965. (Ge) Lohnunternehmen Land-Forstwirtschaft. 20(12):260, 262, 264. Dec. 15, 1965. 58.8 D81
Income.
- 41574 SMITH, R. S. Tax considerations in buying or selling a farm. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 391, 19 p. Nov. 1965. 281.9 C81Ae
- 41575 SMITH, R. S., and SMITH, G. C. Teaching manual; farm income tax management and tax reporting. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 390, 47 p. Dec. 1965. 281.9 C81Ae
- 41576 SOPHIAN, T. J. The taxation of capital gains (short term and long term) in relation to land. Chartered Land Agents' Soc. J. 64(10):432-444. Oct. 1965. 282.9 L22
Legislation in Great Britain.
- 41577 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Farm real estate taxes, recent trends and developments. U. S. D. A. Econ. Res. Serv. RET-5, 14 p., map. Oct. 1965. 1.9 Ec7Farm
- 41578 WALKER, W. P. Improving farm land tax assessments in Maryland under nonfarm use pressures. Md. Agr. Exp. Sta. Misc. Publ. 553, 38 p., map. June 1965. 100 M36M

AGRICULTURAL LABOR AND WAGES

- 41579 AMES, R. How to make labor incentive plans work. Poultry Trib. 72(1):76, 81. Jan. 1966. 47.8 P8642
On poultry farms.
- 41590 ANDERSON, W. Bracero embargo. Farm Quart. 21(1):90-95, 102, 104, 106. 1966. 6 F22995
- 41581 BABENKO, I. S., and KAZANOV, I. G. Schedule for wages on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:44-47. Jan. 1966. 30.69 Uc4
- 41582 BECKERICH, A. Time of work and time off on Sunday and holidays in agriculture. (Fr) Agr. Prat. 129(11):27-31. Dec. 1965. 14 J82
- 41583 BOS, A. K., and LUNING, H. A. The use of labor on peasant farms in Surinam. (Du) Suri-naamse Landbouw 13(4):51-62. 1965. 9.6 Su7
English summary.
In relation to farm management.
- 41584 BRAUN, K. H. The development of irrigation cadres. (Ge) WTF (Wiss.-Tech. Fortschr.) Feldwirtschaft. 6(4):178-179. Apr. 1965. 18 W763
- 41585 BRAY, J. O. Mechanization and the Chilean inquilino system: the case of fundo "B." Land Econ. 42(1):125-129. Feb. 1966. 282.8 J82
- 41586 BULLITT, J. C. Programs for rural youth. Employment Serv. Rev. 3(1):42-44. Jan. 1966. 158.3 Em72
Job recruiting.
- 41587 CEYLON, COMMISSIONER OF LABOUR. Administration report for 1963-64. Colombo, 1965. 164 p. 233.9 C33
Text also in Sinhalese.
Agricultural labor included.

- 41588 CLARK, W. G. Recruitment team finds farm-workers in Connecticut. *Employment Serv. Rev.* 3(1):4,7. Jan.1966. 158.3 Em72
- 41589 COSTA, E. Back to the land: the campaign against unemployment in Dahomey. *Int. Labour Rev.* 93(1):29-49. Jan.1966. 283.8 In8
- 41590 CURTIS, L. E. Using seasonal farm recruiters in Arkansas. *Employment Serv. Rev.* 3(1):23. Jan.1966. 158.3 Em72
- 41591 DERGUN, A. S. Calculation of wages for members of collective farms. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 1:9-15. Jan.1966. 30.69 Uc4
- 41592 DITTMANN, L., and ROTH, S. A method for analysis of population and labor force development in the rural communities. (Ge) *Z. Agrarokon.* 8(12):370-374. 1965. 281.8 Z3
- 41593 EMEL'YANOV, A. Economic incentives and management of agriculture. (Rus) *Planovoe Khoz.* 1:74-79. Jan.1966. 280.8 P69
- 41594 FINDEISEN, D. Investigations in labor economics for management of an irrigated holding. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(4):161-163. Apr.1965. 18 W763
- 41595 FRANK, W. S., and DENENBERG, H. S. Farm Labor Contractor Registration Act is one year old. *Employment Serv. Rev.* 3(1):37-38. Jan. 1966. 158.3 Em72
- 41596 GHANA. CENTRAL BUR. OF STATISTICS. Labour statistics, 1963. Accra, 1964. 28 p. (Series III, No.8) 270 G343L
Agricultural labor included.
- 41597 GOODWIN, R. C. Improving the farm labor recruitment program. *Canning Trade* 88(15):6-7. Jan.24,1966. 286.83 T67
- 41598 GREGOR, H. F. Wage labor as a primary plantation indicator—as applied to American cotton farms. *Assoc. Amer. Geog. Ann.* 55(4): 616-617. Dec.1965. 500 As73
- 41599 HANCOCK, E. C. Domestic workers for sugar-beets. *Employment Serv. Rev.* 3(1):17-19,31. Jan.1966. 158.3 Em72
Recruitment.
- 41600 HENNING, J. F. The new national labor program. *Canning Trade* 88(15):8-9. Jan.24,1966. 286.83 T67
Includes farm labor policies.
- 41601 HILL, C. A. Mobile recruitment of agricultural workers. *Employment Serv. Rev.* 3(1):5-7. Jan.1966. 158.3 Em72
- 41602 HOOD, W. J. Texas replaces the braceros. *Employment Serv. Rev.* 3(1):39-40,55. Jan. 1966. 158.3 Em72
Recruiting.
- 41603 HOPPE, P. M. Farm workers from New York City. *Employment Serv. Rev.* 3(1):24-25,27. Jan.1966. 158.3 Em72
- 41604 HUGHES, E. Time spent on management and related activities by dairy farm operators, New York, 1964-65. *Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext.* 386,9 p. Sept.1965. 281.9 C81Ae
- 41605 ILIJIN, M. Distribution of employees' personal incomes according to work results in agricultural cooperatives. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 396:43-85. Oct.13,1965. (JPRS 32.382); TT 65-32872) 173 J663Ste
Yugoslavia.
Translation from *Glasnik* 7:11-41. July 1965.
- 41606 INTRODUCTION and use of foreign workers in France. (Fr) *Rev. Prat. Legislation Agr.* 18 (5):60-65. May 1965. 281.8 R325
- 41607 JAHN, W., ROTH, S., and RUCK, R. Growth of profits as criterion for production-determined compensation of leading cadres on collective farms. (Ge) *Z. Agrarokon.* 11(8):336-340. 1965. 281.8 Z3
- 41608 JAHNE, M., and WOLFF, K. The conduct of contests for milkers and cattle caretakers in the Neubrandenburg district. (Ge) *Tierzucht* 19(11):579-581. Nov.1965. 49 T443
- 41609 JOHNSEN, D. G. Employment status of former Minnesota vo-ag graduates. *Visitor* 52(4),4 p. Oct.1965. 275.8 V822
- 41610 JONES, G. W. Female participation in the labour force in a plural economy: the Malayan example. *Malayan Econ. Rev.* 10(2):61-82. Ref. Oct.1965. 280.8 M29
Agricultural labor included.
- 41611 KASPER, J., and MOCK, R. Invitation to a new pooled recruitment. *Employment Serv. Rev.* 3(1):34-36. Jan.1966. 158.3 Em72
Sugar beet migratory labor.
- 41612 KÖPPEJAN, A. W. G. The importance of structural management in agriculture. (Du) *Economist [Haarlem]* 113(6):436-437. June 1965. 280.8 Ec792
Comment on work by A. Maris; includes reply.
Labor requirements.
- 41613 KORFHAGE, D. Employment opportunities in the fruit cooperatives. (Ge) *Obstbauversuchsringes Alten Landes. Mitt.* 20(5):194-195. May 1965. 85 J76
- 41614 KREBS, O. Turn material interest to high feed production. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 6(5):195. May 1965. 18 W763
Incentives.
- 41615 LAMAR, W. J. How to recruit migrant workers. *Employment Serv. Rev.* 3(1):20. Jan. 1966. 158.3 Em72
- 41616 LARIN, D. 1965 farm labor effects on 1966. *West. Grower Shipper* 36(12):27-29. Dec.1965. 280.38 W52
In California.
- 41617 LESHNER, S. S., and SNYDERMAN, G. S. Preparing disadvantaged youth for work. III. Work adjustment training. *Employment Serv. Rev.* 3(1):51-55. Jan.1966. 158.3 Em72
- 41618 LIU, K. C. A review of the agricultural force in the Taiwan Sugar Corporation. *Taiwan Sugar* 12(2):28-33. Apr./June 1965. 65.8 T133
- 41619 LIU, K. C. A review of the agricultural force in the Taiwan Sugar Corporation. *Taiwan Sugar* 12(2):28-33. Apr./June 1965. 65.8 T133
- 41620 LLANOS, M. Labor management in fruit harvesting. (Sp) *Agricultura [Madrid]* 34(395): 119-126. Mar.1965. 15 Ag84
- 41621 LOJEWSKI, W. Social policy as means of re-organizing society. (Ge) *Wissen Wirken* 10: 37-52. 1965. 18 W762
Includes labor protection and social security.
- 41622 LOUISIANA. FARM LABOR SERV. Louisiana annual farm labor report, 1965. Baton Rouge, 1965. 66 p.,map. 283.9 L933
- 41623 MALLOW, J. J. Field team operations in the melon harvest. *Employment Serv. Rev.* 3(1): 21-22,44. Jan.1966. 158.3 Em72
Recruiting.
- 41624 MANGUM, G. L. The manpower revolution; its policy consequences. *Agr. Policy Rev.* 5(4):6-7. Oct./Dec.1965. 281.28 Ag82
Labor.
- 41625 MANLEY, V. P., and OLMSTEAD, C. W. Geographical patterns of labor input as related to output indexes of scale of operation in American agriculture. *Assoc. Amer. Geog. Ann.* 55 (4):629-630. Dec.1965. 500 As73
- 41626 MENSINK, G. J. A. Vergelijkingen van de arbeidsproductiviteit in het Verenigd Koninkrijk en Nederland 1958 [Comparisons of labor productivity in the United Kingdom and the Netherlands 1958]. *Neth. Cent. Bur. Statist. Statist. Econ. Onderz.* 4,127 p. 1965. 280.9 N382S
Summary and contents in English.
Agriculture included.

- 41627 MEUER, A., and HORN, K. Results and problems of the 1970 agricultural manpower balance sheets. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:1-20, map. Oct. 27, 1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
East Germany.
Translation from Zeitschrift fur Agrarokonomie 8(9):282-288. Sept. 1965.
- 41628 MITCHELL, F. M. Eliminating foreign labor from Michigan agriculture. Employment Serv. Rev. 3(1):47-48, 50. Jan. 1966. 158.3 Em72
Recruiting.
- 41629 NORWAY. STATISTISK SENTRALBYA. Lønnsstatistikk, 1964. Wage statistics, 1964. Oslo, 1965. 65 p. (Norges Offisielle Statistikk XII 174) 257.2 St2A
Table of contents and summary also in English.
Includes farm labor.
- 41630 OLSEN, G., and HOWE, J. Irrigation sprinkler pipe moving. Employment Serv. Rev. 3(1):32-33. Jan. 1966. 158.3 Em72
As an occupation.
- 41631 POPPE, J. Lower production costs for fruit through labor-saving. (Fl) Land- Tuinbouw Jaarboek 20:261-273. Ref. 1965. 13 L22
- 41632 POSSART, W. Practical experiences with special brigades in field production. (Ge) Z. Agrarikon. 8(12):356-361. 1965. 281.8 Z3
- 41633 POTTER, T. 1965 points the way for farm labor. Employment Serv. Rev. 3(1):ii-2, 10. Jan. 1966. 158.3 Em72
Employment.
- 41634 POUTTALES, G. DE, and ROSSELET, J. Outline of barn working time in nine buildings. (Fr) Agr. Romande (ser.B)4(6):46-48. June 1965. 17 Ag8
- 41635 PURCAL, J. Labour utilization among men in a padi village in province Wellesley. Malayan Econ. Rev. 10(2):49-60. Oct. 1965. 280.8 M29
Malaysia.
- 41636 RAMSAY, A. The drift from the land and spiral of farm costs. Milk Prod. [London] 12(12):370. Dec. 1965. 280.38 M598
Loss of dairy farm workers to industry.
- 41637 RANDOLPH, J. Employment and manpower: dimensions of challenge. Agr. Policy Rev. 5(4):4-5. Oct./Dec. 1965. 281.28 Ag82
- 41638 REAGOR, J. R. Texas evaluates its farm placement activities. Employment Serv. Rev. 3(1):26-27. Jan. 1966. 158.3 Em72
- 41639 ROINE, H. Labor consumption and labor requirements in egg production. (No) Fjorke 82 (12):247-248, 250. Dec. 1965. 47.8 T432
- 41640 SCHNABEL, W. Labor requirements for various operations in the cow barn. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 135:24. Dec. 15, 1965. 281.8 B462
- 41641 SCOTT, R. H. From peaches to apples. Employment Serv. Rev. 3(1):15. Jan. 1966. 158.3 Em72
- 41642 SORBI, U., and CANTARELLI, F. Service organizations in agriculture. (It) Gior. Econ. 24 (9/10):852-855. Sept./Oct. 1965. 280.8 G43
Contract labor.
- 41643 STOJANOVIC, E. J. Changes in the occupational structure of Mississippi and the South, 1950-1960. Miss. Agr. Exp. Sta. Bull. 716, 7 p. Oct. 1965. 100 M69
- 41644 TAMBUYZER, C. La structure economique du secteur agricole et horticole ayant une activite de vente. V. Examen, en fonction de la superficie des exploitations et par sous-secteur, de la main-d'oeuvre occupee dans les exploitations [The economic structure of the agricultural and horticultural sector having a marketing activity. V. Examination, in relation to area of farm and sub-sector, of labor employed on farms]. Brussels. Inst. Econ. Agr. Cah. I.E.A. 35(ED-18), 48 p. Aug. 1965. 281.9 B832
- 41645 THERON, J. Wider spacing of grape rows saves time with respect to culture, harvesting, fertilizing, and pest control. (Af) Wynboer 409:47, 49. Oct. 1965. 390.8 W724
- 41646 USENKO, V. O., and RUDOV, A. P. Mechanization in accounting of labor and wages. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:29-31. Jan. 1966. 30.69 Uc4
On collective farms.
- 41647 WOOLBRIGHT, N. Recruiting through seasonal farm representatives. Employment Serv. Rev. 3(1):14, 33. Jan. 1966. 158.3 Em72
- 41648 YADA, Y. Studies on the outflow of agricultural labor and the rationalization of housewives' labor. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:127-139. Dec. 1964. 107.6 H572Ho
English summary.
- 41649 YOUNG, F. W., and YOUNG, R. C. Individual commitment to industrialization in rural Mexico. Amer. J. Sociol. 71(4):373-383. Jan. 1966. 280.8 Am3
Chiefly occupations.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 41650 ABBOUD, A. Something on agriculture in the Republic of Iraq. (Ge) Z. Agrarikon. 8(7):221-223. 1965. 281.8 Z3
Land use, crop yields, and productive capacity.
- 41651 AGRICULTURE in 1964. Ital. Doc. Notes. 14 (4):365-376. July/Aug. 1965. 280.8 It13
- 41652 ANGHEL, I., and SAVA, S. West-European Common Market and the agricultural conflict. (Rum) Probl. Econ. [Bucharest] 18(3):81-95. Mar. 1965. 280.8 P947
English summary, p. 171-172.
- 41653 L'ANNEE agricole, edition 1964-1965, 4^e annee [The agricultural year, 1964-1965 edition, 4th year]. Lausanne, 1965. 136 p., map. 17 An73
- 41654 BAKER, J. A. Rural renaissance. New Engl. Reg. RAD Conf. Tech. Pap. 1964:11-36. A281.9 N44
Rural Areas Development Program.
- 41655 BALLARIN MARCIAL, A. Derecho agrario [Agrarian law]. Madrid, Editorial Revista de Derecho Privado, 1965. 476 p. (Biblioteca de la Revista de Derecho Privado Serie G: Grandes Tratados Generales de Derecho Privado y Publico, v. 73) HD772.B3
- 41656 BARBUT, M. 1965 prospects; year of the 5th Modernization Plan. (Fr) Rev. Agr. France 38:4-5. Mar. 1965. 14 R326
- 41657 BARZANTI, S. The underdeveloped areas within the Common Market. Princeton, N. J., Princeton Univ. Press, 1965. 437 p. Ref. HC241.2.B3
Includes agriculture.
- 41658 BAWCUTT, D. E. Farming cameo: series 3. 36. Mansfield, Nottinghamshire. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):41-42. Jan. 1966. 10 G79J
- 41659 BERGMANN. Purposes and functions of the German Society for Agricultural Law [Deutsche Gesellschaft fur Agrarrecht]. (Ge) Recht Landwirt. 17(7):185-166. July 1965. 30.58 R24
- 41660 BIANU, C. Twenty years of communist agriculture in Rumania. Int. Peasant Union. Bull., Feb./Apr. 1965:15-20. 280.9 In822
- 41661 BISHOP, C. E. Southern agriculture; approaching the future. Agr. Policy Rev. 5(3):4-5, map. July/Sept. 1965. 281.28 Ag82
Includes policies.
- 41662 BLACKMORE, J. Making RAD work in southern New England. New Engl. Reg. RAD Conf. Tech. Pap. 1964:47-54. A281.9 N44
- 41663 BLASER, H. The forgotten agricultural zone. (Ge) Agrarpolit. Rev. 22(194):133-139. Dec. 4, 1965. 281.8 Ag824
Switzerland.

- 41664 BLOMGREN, P. B. This business of agriculture. *Mont. Bus. Quart.* 2(1):47-55. Winter 1964. 280.8 M762
Of the United States and Montana.
- 41665 BONN. UNIVERSITÄT. LANDWIRTSCHAFTLICHE FAKULTÄT. Vorträge der 18. Hochschultagung, am 6. und 7. Oktober 1964 in Bonn [Addresses at the 18th university session, October 6 and 7, 1964, in Bonn], edited by F. Gerl and J. Linscheid. Hiltrup, Landwirtschaftsverlag, 1964. 146 p. 27 H652
- 41666 BRADOUT, R. J., and VIGNACOURT. Soviet agriculture. (Fr) *Economie* 21(989):9-13. (Cont.) Jan.7, 1966. 280.8 Ec726
- 41667 BRADY, N. C. Research and the human factor in RAD. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:81-88. A281.9 N44
- 41668 BRAMLEY, M. Farming and food supplies; the case for expansion of British agriculture. London, Allen & Unwin, 1965. 131 p. HD1927.B7
- 41669 BREWER, M. F. How efficient are rural America's soil and water programs? *J. Soil Water Conserv.* 21(1):15-17. Jan./Feb. 1966. 56.8 J822
Agricultural program.
- 41670 CAESAR, K., and SCHMIDT, A. Foundations and structure of the agriculture of Ceylon. (Ge) *Z. Ausländische Landwirt.* 4(1):1-32. Ref. Feb. 1965. 281.8 Z32
- 41671 CAMPBELL, D. I. Australian agriculture has good year. *Foreign Trade* 125(3):24-25. Feb. 5, 1966. 286.8 C162
- 41672 CASADIO, G. P. The role of agriculture in the European Economic Community. (It) *Roma Econ.* 18(9):466-484. (Cont.) Sept. 1965. 280.8 R66
- 41673 CHERTOV, L. G. Geographical aspects of contemporary problems in the development of agriculture in taiga regions of the North-West. (Rus) *Leningr. Univ. Vestnik Ser. Geol. Geogr.* 2:85-94. 1965. 403 L54
English summary.
- 41674 COATES, W. H. Rural Areas Development activities in Massachusetts. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:70-74. A281.9 N44
- 41675 THE CONTROVERSY over the Federal anti-Poverty Program. *Congr. Dig.* 45(3):65-96. Mar. 1966. 110 C76
Includes the poverty-oriented programs of the U. S. Department of Agriculture.
- 41676 COURTNEY, J. F. Intergovernmental programming for area development. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:101-104. A281.9 N44
Rural Areas Development.
- 41677 COX, P. G. Observations on the agriculture of the Jos Plateau. *Nigerian Field* 30(2):84-94. Apr. 1965. 410 N56
- 41678 DALY, R. F., and EGBERT, A. C. A look ahead for food and agriculture. *Agr. Econ. Res.* 18(1):1-9. Jan. 1966. 1 Ec 7Agr
- 41679 DAVIS, L. H. Summary and a look-ahead. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:105-111. A281.9 N44
New England Regional RAD Conference.
- 41680 DEBETAZ, B. Vaud agriculture menaced. (Fr) *Ann. Agr.* 4:15-17, 19, 21, 23, 25. 1964/65. 17 An73
- 41681 DICKENMANN, H. The progress of Swiss agriculture. (Fr) *Ann. Agr.* 4:13-14. 1964/65. 17 An73
- 41682 DIMENY, I. Tasks of agriculture in 1966. (Hu) *Magyar Mezogazdasag* 21(1):3. Jan. 5, 1966. 19 M27
- 41683 DITT, H. Struktur und Wandel westfälischer Agrarlandschaften [Structure and change in Westphalian agricultural landscapes]. Münster, Aschendorffsche Verlagsbuchhandlung, 1965. 135 p., map. Ref. (Provinzialinstitut für Westfälische Landes- und Volkskunde. Veröffentlichungen. Reihe I, No. 13) HD1960.W4D5
- 41684 DOROSHENKO, P. E. Agriculture of the USSR 1959-1965. Annapolis, Md., Res. & Microfilm Publ., 1959. 122 p. (Scholarly Book Translation Series SBTS No. 1) 281.179 D73Ae
- 41685 DUGUE, J. Bad situation. (Fr) *Avenir Agr.* 5:4-8. Sept./Oct. 1965. 14 Av32
Agriculture and European Economic Community.
- 41686 ELLENA, G. Problems of Lombard agriculture within the sphere of the European Common Market. (It) *Cam. Com. Milano* 3(5):9-10. Sept./Oct. 1965. 280.9 M587R
- 41687 ELLENA, G. Problems of Lombard agriculture within the sphere of the European Common Market. (It) *Cremona* 11:3-8. Nov. 1965. 280.8 C862
- 41688 ENZ, J. The agriculture of Ausserrhoden. (Ge) *Grüne* 94, i.e. 93(40):1394-1408. Oct. 1, 1965. 17 Sch9
- 41689 FAUSTINI, G. Changes in the production of Italian agriculture in the 1951-1961 decennium. (It) *Ricerche Econ.* 19(3/4):329-354. Sept./Dec. 1965. 280.9 V553
- 41690 FERMIN-GOMEZ, M. The Orinoco Basin: a geographic unit. *Diss. Abs.* 26(7):3855. Jan. 1966. 241.8 M58
Agriculture included.
- 41691 FOOD AND AGRICULTURAL ORGANIZATION OF THE UNITED NATIONS. Report of the seventh FAO regional conference for Asia and the Far East, Manila, Philippines, 7-21 November 1964. Rome, 1965. 64 p. 281.9 F737
- 41692 FRANKENA, H. J. On the development of agriculture in the Soviet Union. VII. (Du) *Landbouwkundig Tijdschr.* 77(14):530-534. Aug. 1965. 105.2 Or3
- 41693 FREEMAN, O. L. Parity of opportunity for rural America. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(3):78-82. 1965. 275.249 F26
Policies.
- 41694 FREEMAN, O. L. Turning point in U.S. agriculture. *Tarheel Banker* 44(8):15, 43. Feb. 1966. 284.8 T17
Outlook.
- 41695 FUGE, G. Results of the development of agriculture 1964. (Ge) *Z. Agrarikon.* 8(7):193-197. 1965. 281.8 Z3
Productive capacity in East Germany.
- 41696 GARCIA ISIDRO, M. The healers of the field. (Sp) *Agricultura [Madrid]* 34(395):139-140. Mar. 1965. 15 Ag84
Agricultural policy.
- 41697 GAUDIN, J. Prospects for agriculture in Savoie. (Fr) *Chambres Agr.* 36(315/316, montagnes 38):13-14. May 1/15, 1965. 14 T69
- 41698 GILL, L. J. Long-run strategies and planning in agricultural development. In *Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture*, p. 200-208. 1965. HD1411.15
- 41699 GRAHAM, J. A. N. C. agriculture in transition era. *Tarheel Banker* 44(8):15, 42. Feb. 1966. 284.8 T17
Outlook.
- 41700 HANDLER, J. S. Land exploitative activities and economic patterns in a Barbados village. *Diss. Abs.* 26(6):2974. Dec. 1965. 241.8 M58
- 41701 HASHIMOTO, G. Progress in the work to improve the structure of agriculture. (Ja) *Soc. Agr. Mach. Jap. J.* 27(3):195-198. Dec. 1965. 58.9 So1
- 41702 HATHAWAY, D. E. Recent changes in U.S. farm programs. *World Agr.* 15(1):6-9. Jan. 1966. 6 W893

- 41703 HEBREW UNIVERSITY. DEPT. OF SOCIOLOGY. Comparative analysis of processes of agricultural development and modernization; final report submitted to the United States Department of Agriculture covering period March 1963-March 1965. Jerusalem, 1965. 2 v. S469.I8H4
Principal investigator, S. N. Eisenstadt.
Grant No.FG-Is-150; Project No.A10-ERS-4(k).
- 41704 HEGELSOM, J. M. VAN. Sociaal economische aardrijkskunde [Social economic geography]. Leidraad Land-Tuinbouwonderwijs. Ser. B, 59,162 p.,map. 1965. 12 L62B
Includes Netherlands and world agriculture.
- 41705 HOFMANN, C. New plan for development of agriculture in Great Britain through improvement of the agricultural structure. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(4):835-836. 1965. 18 G31
- 41706 HOLLANDSCHE BANK-UNIE. Annual report, 51st financial year, 1964-1965. Amsterdam, 1965. 153 p.,map. 284.9 H71Ae
Includes data on the agriculture and trade of various countries.
- 41707 HOUSTON, G. Agriculture and the national plan. Chartered Surv. 98(8):424-426. Feb. 1966. 325.8 C38
- 41708 HUDAULT. Study on mountain agriculture. (Fr) Chambres Agr. 36(315/316,montagnes 38):3-12. May 1/15,1965. 14 T69
- 41709 IHLE, H. A. Little ABC for agricultural publicity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):47-50; (3):82,84,86,88,90-91. (Cont.) Jan.13-20,1966. 18 N39
- 41710 ISHIWATA, S., and others. Gendai Nippon no nogyo. 3. Nippon nogyo no seisan-ryoku kozo [Modern Japanese agriculture. 3. The productivity structure of Japanese agriculture]. Tokyo, O-chano-mizu Shobo, 1965. 257 p. 34.3 K83K
S. Morita, T. Shimazu, S. Miyajima, Y. Misono, I. Kajii, K. Kasai, and K. Inoue, joint authors.
- 41711 JOHNSON, M. C. The business outlook. Mont. Bus. Quart. 2(1):38-46. Winter 1964. 280.8 M762
Includes agriculture.
- 41712 JOHNSON, S. E. Combining knowledge, incentives, and means to accelerate agricultural development. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.209-223. 1965. HD1411.15
- 41713 JORDAN, B. E. Far-reaching changes made in farm programs. Tarheel Banker 44(8):19,42. Feb.1966. 284.8 T17
United States.
- 41714 KARCZ, J. F. Khrushchev's impact on Soviet agriculture. Agr. Hist. 40(1):19-38. Ref. Jan. 1966. 30.98 Ag8
- 41715 KAUFFMANN, M. The productive capacity of French agriculture in the European Economic Community. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:23-35. 1964. 27 H652
- 41716 KLOTSCHER. Green Plan 1965. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):157. Apr.1965. 85 J76
- 41717 KRUSI, J. The vanishing American. (Ge) Agrarpolit. Rev. 22(194):152-157. Dec.4,1965. 281.8 Ag824
The farmer and agricultural situation.
- 41718 LAIRD, R. D. The dilemma of Soviet agricultural administration: the short and unhappy life of the TPA [Territorial Production Administration]. Agr. Hist. 40(1):11-18. Jan.1966. 30.98 Ag8
- 41719 LAND- en tuinbouw jaarboek, twintigste jaargang, 1965-1966 [Agricultural and horticultural yearbook, 20th year, 1965-1966]. Gent, 1965. 589 p. 13 L22
Statistics and a directory included.
- 41720 LAUER, W. Our agriculture in the industrial society. (Ge) Mitt. Deut. Landwirt.-Ges. 81(4):114. Jan.27,1966. 18 N39
Policy.
- 41721 LECERF, J. Our problems and theirs. (Fr) Agr. Prat. 129(11):13-15. Dec.1965. 14 J82
Outlook.
- 41722 LECHI, F. On the productivity of Italian agriculture. (Ge) Agrarpolit. Rev. 22(194):157-163. Dec.4,1965. 281.8 Ag824
- 41723 LIAZZA, G. Coordination between productive programming and preparation of attaches in agriculture. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.89-104. 1964. 281.9 C815
- 41724 MACE, A. Activities of TAP [Technical Action Panel] in Washington County. New Engl. Reg. RAD Conf. Tech. Pap. 1964:58-61. A281.9 N44
Rural Areas Development Program in Maine.
- 41725 MACNAUGHT, J. Recent developments in EEC agricultural policy. Can. Dep. Agr. Econ. Br. Agr. Abroad 20(5):24-27. Oct.1965. 281.9 C1642A
- 41726 MAJSTRENKO, I. W. Soviet agricultural policy after Khrushchev. Munich. Inst. Stud. USSR. Bull. 12(5):22-26. May 1965. 280.9 M922B
- 41727 MARTIN, L. R. Basic considerations in transforming traditional agriculture. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.48-65. 1965. HD1411.15
Development program including investments and education.
- 41728 MARZI, G. DE. Common Market and planning. (It) Agricoltura 14(7):19-27. July 1965. 16 Ag8226
- 41729 MENDEZ, J. M. Agricultural policy of the European Economic Community. (Fr) Actualite Econ. 41(2):226-268. July/Sept.1965. 280.8 Ac84
- 41730 MERENDI, A. Green Plan No. 2 viewed by section. (It) G. Agr. 76(5):48. Jan.30,1966. 16 It1G
- 41731 MISSERI, S. C. Considerations on programming and agriculture. (It) Riv. Polit. Agr. (n.s.)12(4):61-67. Dec.1965. 281.8 R523
- 41732 MUNTHE-KAAS, H. China's fields and factories. Far East. Econ. Rev. 51(5):153-155. Feb.3,1966. 280.8 F223
Agricultural productive capacity of China.
- 41733 NAGY, GY. Changes in the production structure of our agriculture. (Hu) Magyar Mezőgazdaság 21(1):7-8. Jan.5,1966. 19 M27
- 41734 NELSON, D. J. Three years of Rural Area Development in Custer County, Nebraska. State Soc. Conf. Church Leaders. Proc. 1964:198-203. 1965. 280.9 St27
- 41735 NEW ENGLAND REGIONAL RAD CONFERENCE, BOSTON, MASS., 1964. Making RAD work in New England; technical papers. Amherst, Mass., U. S. Soil Conserv. Serv., 1964. 111 p. Ref. A281.9 N44
Includes opening remarks by R. P. Davison.
- 41736 NIEHAUS, H. Future gravity centers of agricultural policy. (Ge) Hochschultagung Landwirt. Fak. Univ. Bonn. Vortr. 18:133-146. 1964. 27 H652
- 41737 NIELSEN, K. From the activities of the agricultural associations in 1965. I. (Da) Dansk Landbrug 85(1):17-19. Jan.1966. 280.28 V91
Chiefly legislation.
- 41738 NIKOVA, V. D. Borbata na BKP za kooperirane na bednite i srednite selyany, 1948-1953 [Fight of Bulgarian Communist Party for cooperation of poor and middle class farmers, 1948-1953]. Sofiya, Izdatel'stvo BKP, 1964. 136 p. HD1492.B8N5

- 41739 NORTH CAROLINA, UNIVERSITY, EXTENSION SERV. Handbook for agricultural and home economics workers. Ed. 22. Raleigh, 1966. 235 p., map. 275.29 N811H
- 41740 ORNI, E. Agriculture in Israel. (Fr) Ann. Agr. 4:89,91,93,95,97-99,101-103,105,107, map. 1964/65. 17 An73
- 41741 PAGANI, F. Comment on the bill for the new Green Plan. (It) Rass. Agr. Ital. 20(12):9-13. Dec.1965. 281.8 R18
- 41742 PALMA, M. DE. Structure, operation, and development of INATEIA centers. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.78-88. 1964. 281.9 C815
National Institute of Technical-Economic Assistance to Agricultural Entrepreneurs, Istituto Nazionale di Assistenza Tecnico-Economica per Imprenditori Agricoli.
- 41743 PAMBUFFETTI, P. Teachings of Lucius Junius Moderatus Columella still valid. (It) Agricoltura 14(7):76-80. July 1965. 16 Ag8226
- 41744 PASSAMONTI, G. The financing of the common agricultural policy. (It) Riv. Polit. Agr. (n.s.) 12(4):68-73. Dec.1965. 281.8 R523
- 41745 PENNSYLVANIA, DEPT. OF AGRICULTURE. Directory of information. Penn. Dep. Agr. Bull. 48(1):46 p. Mar.1965. 2 P38B
Is also General Bulletin 705.
- 41746 PIGANIOL, Observations made in China, notably on Chinese agriculture. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51 (13):930-942. June 13, 1965. 14 P215Bc
Includes discussion.
- 41747 PRICE, H. S. Position and prospects of agriculture in French Mediterranean: a regional case study. Diss. Abs. 26(7):3856. Jan. 1966. 241.8 M58
- 41748 PROBST, E. The right word at the right time: Farmers are not manufacturers. (Ge) Agrar-polit. Rev. 22(194):129-132. Dec.4, 1965. 281.8 Ag824
Includes mechanization and labor.
- 41749 RAMSEY, A. Outlook: continuing changeable. Farm, Jan./Feb. 1966:24-25. 58.8 F2225
Farming in Great Britain.
- 41750 RANDOW, F. W. VON. Structural changes and labor reserves in Hesse agriculture. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15 (15):457-473. Aug.16, 1965. 280.9 B643I
- 41751 RICHTER, J. H. The U.S. Agricultural Act of 1965: details of the program. World Agr. 15(1):10-15. Jan. 1966. 6 W893
Food and Agriculture Act.
- 41752 ROSA, M. New beginnings in technical assistance in agriculture. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.66-77. 1964. 281.9 C815
- 41753 ROSSI-DORIA, M. Problems of research in relation to agricultural development. (It) Riv. Polit. Agr. (n.s.) 12(4):7-17. Dec.1965. 281.8 R523
- 41754 RUBENSAM, E. Functions of agricultural science in productive power. (Ge) Deut. Landwirt. 12:2-6. 1965. 18 D4822
- 41755 RUSINOV, S. Bulgaria: land, economy, culture. Sofia, Foreign Lang. Press, 1965. 244 p., map. DR60.2.R83
Includes agriculture.
- 41756 RUTHENBERG, H. The integration of arable farming and livestock raising on Ukara Island in Victoria Lake, Tanzania. (Ge) Z. Ausländische Landwirt. 4(1):65-69. Ref. Feb. 1965. 281.8 Z32
Includes land tenure.
- 41757 SABATINI, V. New concepts regarding the organization of technical assistance in agriculture in Italy. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.39-52. 1964. 281.9 C815
- 41758 SAKAMOTO, K., and others. Gendai Nippon no nogyo. 4. Kihon-ho nosei no tenkai [Modern Japanese agriculture. 4. The development of the basic law of agriculture administration]. Tokyo, O-cha-no-mizu Shobo, 1965. 295 p. 34.3 K83K
H. Yamasaki, R. Hashimoto, N. Imamura, I. Hatate, K. Mochida, I. Kajii, H. Sado, and S. Usui, joint authors.
- 41759 SARGENT, F. O. How to make RAD work in northern New England. New Engl. Reg. RAD Conf. Tech. Pap. 1964:37-46. Ref. A281.9 N44
- 41760 SCAPACCINO, G. Green Plan No. 2; CNEI [National Council of Economics and Labor, Consiglio Nazionale dell'Economia e del Lavoro] and European Economic Community. (It) Rass. Agr. Ital. 20(11):9-12. Nov. 1965. 281.8 R18
- 41761 SCAPACCINO, G. Programming and cooperation in relation to the new Green Plan. (It) Rass. Agr. Ital. 20(12):27-29. Dec. 1965. 281.8 R18
- 41762 SCHRECKENBERG, W., and others. Agriculture and its possibilities of development in the Mora district (North Cameroun). (Ge) Z. Ausländische Landwirt. 4(1):46-64. Feb. 1965. 281.8 Z32
- 41763 SHEN, T. H. Agricultural development in Free China. Cornell Int. Agr. Develop. Mimeogr. 10, 18 p., map. May 1965. 281.8 C814
Includes policies and productive capacity.
- 41764 SIMMONS, J. L. Agricultural development in Iraq: planning and management failures. Rural Econ. Probl. 2(2):59-74. Nov. 1965. 281.28 R8822
Policies.
- 41765 SOUMAR, R. B. Problems of the peasantry in the Soviet Union and developing countries. Int. Peasant Union. Bull., Feb./Apr. 1965:4-10. 280.9 In822
- 41766 STEFANI, A. DE. Can agriculture regain its proper place? (It) G. Agr. 76(4):35. Jan. 23, 1966. 16 It1G
- 41767 STEGMANN, A. Ten years of the Committee for the Improvement of Agrarian Structure [Ausschuss zur Verbesserung der Agrarstruktur]. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 43(4):829-834. 1965. 18 G31
- 41768 STIFTELSEN SVENSKA LANTBRUKSVECKAN. Lantbruksveckan [The Agricultural Week], 1964. Stockholm, 1964. 195 p. 11 Sw34
- 41769 STRECKER, O. Agricultural situation. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):33-34, 46-47, map. Jan. 13, 1966. 18 N39
- 41770 STROGANOV, V. Agriculture of Latvia on the road of intensification. (Rus) Mezhdunar. Sel'skokhoz. Zh. 6:5-9. 1965. 20 M57
- 41771 TANAKA, A. The agricultural situation of Burma. (Ja) Soc. Agr. Mach. Jap. J. 27(3):199-202. Dec. 1965. 58.9 So1
- 41772 THOMAS, D. W. Agriculture's position in Latin America. Nat. Res. Coun. Agr. Res. Inst. Proc., 14th Annu. Meeting:51-63. 1965. 4 N2122
- 41773 U. S. LIBRARY OF CONGRESS. AFRICAN SECT. The Rhodesias and Nyasaland; a guide to official publications, by A. A. Walker. Washington, 1965. 285 p. Z3573.R5U5
Includes agricultural subjects for which the index should be consulted.
- 41774 VARNEY, R. RAD in Washington County. New Engl. Reg. RAD Conf. Tech. Pap. 1964:62-64. A281.9 N44
Maine.

- 41775 VIGGIANI, G. Problems and prospects of agriculture in the Lucania region. (It) *Rass. Agr. Ital.* 20(12):24-26. Dec.1965. 281.8 R18
- 41776 WEI-MING, H. Planning and programming for agricultural development in Taiwan. *Indus. Free China* 24(5):27-42, map. Nov.1965. 297.8 T99
- 41777 WHITCOMB, R., and GORDON, C. Rural area development in Northeast Kingdom [Vermont]. *New Engl. Reg. RAD Conf. Tech. Pap.* 1964:75-80. A281.9 N44

Subsidies

- 41778 STAMER, H., ANDRESEN, H. H., and JUNGES-HULSING, H. The effects of payment of a barn premium on the supply of beef cattle in pasture areas. (Ge) *Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)43(4):747-784, map. 1965. 18 G31
English summary.

COST AND STANDARD OF LIVING

- 41779 KUBO, Y. The modernization of farm life as seen from a dynamic analysis of consumption. (Ja) *Himeji. Chugoku Agr. Exp. Sta. Bull. C*, 11:141-150. Dec.1964. 107.6 H572Ho
- 41780 LIGGETT, E. P. Review of 1964 family living expense summary. *Wash. State Univ. Ext. E. M.* 2559,5 p. June 1965. 275.29 W27Mi

FARM MANAGEMENT AND LAND ECONOMICS

- 41781 AGER, T. The Bavarian hill-farms in the light of recent statistical surveys. (Ge) *Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)43(4):625-658. 1965. 18 G31
English summary.
- 41782 ARMY, T. J., and SMITH, M. E. What the systems approach means to your job. *Farm Technol.* 22(2):8-9. Feb.1966. 275.28 N213
Use of computerized data in farm management.
- 41783 ASAHÍ SHIMBUN-SHA. *Zenshin-suru nomin. II. [Progressing farmers. II.]*. Tokyo, Asahi Shimbun-sha, 1965. 214 p. HD1491.J3A8
Agricultural management in Japan.
- 41784 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF LAND RESEARCH AND REGIONAL SURVEY. *Annual report 1964-65*. Canberra, 1965. 98 p., map. Ref. 282.9 Au722
- 41785 AZBUKA ekonomiki kolkhoza [A B C for collective farm management]. *Izdatel'stvo Politicheskikh Literatury*, 1965. 352 p. HD1492.U4A9
- 41786 BARTOLELLI, M. Management of the farm. (It) In *Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori*, p.170-184. 1964. 281.9 C815
- 41787 BATTAGLINI, A. Small-scale sheep raising in the Marche Region (provinces of Ancona, Macerata, and Ascoli Piceno). (It) *Ann. Sperim. Agr.* (n.s.)16(1/2):I-XXXIII. 1962, pub. 1965. 16 An76
English summary.
- 41788 BAWDEN, M. G. A reconnaissance of the land resources of eastern Bechuanaland. *J. Appl. Ecol.* 2(2):357-365, map. Nov.1965. 410 J828
- 41789 BEGER, D. Organization of vegetable production on specialized farms of the Leipzig district. (Ge) *Z. Agrarökön.* 11(8):351-352. 1965. 281.8 Z3
- 41790 BENEDETTI, A. Concentration in agriculture. (It) *G. Agr.* 76(3):23. Jan.16, 1966. 16 It1G
Efficient farm size.
- 41791 BOLD, I. Problems of the systematization of agricultural lands. (Rum) *Probl. Econ. [Bucharest]* 18(11):84-95. Nov.1965. 280.8 P947
Specialized farming and productive capacity.

- 41792 BONOMI, A. Collaboration between the factors of production. (It) In *Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori*, p.159-169. 1964. 281.9 C815
With particular reference to share-farming.
- 41793 BOVEN, B. VAN. Farm planning. (Du) *Neth. Dir. Landbouw. Landbouvoorlichting* 22(8):373-375. Aug.1965. 12 N383M
Linear programming.
- 41794 BRES, F. M., and COLYER, D. Aggregate production functions for farms in northern Missouri, 1962. *Mo. Agr. Exp. Sta. Res. Bull.* 894,23 p., map. Sept.1965. 100 M693
- 41795 BRITISH COLUMBIA, LANDS SERV. *Annual report, 1964*. Victoria, 1965. 87 p., map. 253.1 L23
Includes surveying and settlement.
- 41796 BROWN, L. H. How big a bite can you chew? *Hoard's Dairyman* 111(2):71,110. Jan.25, 1966. 44.8 H65
Management and costs.
- 41797 BROWN, L. H. 10 years from now—1976? *Hoard's Dairyman* 111(3):135,140. Feb.10, 1966. 44.8 H65
Dairy farm outlook.
- 41798 BRULAND, K. The test farm Husabo. (No) *Yrkesfruktsyrking* 4:56-59. 1965. 80 Y83
- 41799 BURCKHARDT, I. Control of management and feed advisory work. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1762,1764,1766,1768. Nov.18, 1965. 18 N39
- 41800 CARELLA, P. Mountain problems. (It) *Avvenire Agr.* 73(4):91-97. Apr.1965. 16 Av9
Farm management.
- 41801 CASONATO, G. Vertical integration: an insidious formula. (It) *Avicoltura* 34(2):89-91. Feb.1965. 47.8 R523
- 41802 CHANG, C. J. On pastoral collectivism in the steppe land of Inner Mongolia. *Assoc. Amer. Geog. Ann.* 55(4):608. Dec.1965. 500 As73
- 41803 CHEPURNOV, I. Basic directions for improvement of economic effectiveness of animal husbandry. (Rus) *Voprosy Ekon.* 8:22-30. Aug. 1965. 280.8 V89
Farm management.
- 41804 CHESTER, W. W. Gibson County, Tennessee, moving from agricultural diversification to specialization. *Tenn. Acad. Sci. J.* 40(3):107-109, map. July 1965. 500 T25A
- 41805 CLIFT, C., and ARBUCKLE, J. Beating brigalow suckers with the plough. *Queensland Agr. J.* 91(11):648-652. Nov.1965. 23 Q33
Farm management costs.
- 41806 COLYER, D. Optimal organizations for representative farms in north central Missouri. *Mo. Agr. Exp. Sta. Res. Bull.* 886,39 p., map. July 1965. 100 M693
Linear programming.
- 41807 COUSTRY, R. Father and son farming contract. (Fr) *Rev. Agr. [Brussels]* 18(11/12):1307-1330. Ref. Nov./Dec.1965. 13 R322
In Belgium.
- 41808 CUNNINGHAM, L. C. Commercial dairy farming in New York. *Cornell Univ. Ext. Cornell Misc. Bull.* 65,34 p., map. Sept.1965. 275.29 N48 Cm
Management and milk costs and returns.
- 41809 CUNNINGHAM, L. C. An economic study of commercial dairy farms, Central Plain Region, New York, 1963-64. *Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res.* 192,39 p., map. Feb.1966. 281.9 C81A
Management.
- 41810 DAVIES, H. Teaching estate work at a farm institute [East Riding Institute of Agriculture]. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(1):20-22. Jan.1966. 10 G79J

- 41811 DAVIS, B., and MADDEN, J. P. Theory and procedures for studying economies of size on irrigated cotton farms of the Texas High Plains. *Tex. Agr. Exp. Sta. MP 780,104 p.* Aug.1965. 100 T31M
- 41812 EDINBURGH SCHOOL OF AGRICULTURE. Guide to farms, gardens and research projects, 1965. Edinburgh, 1965. 81 p.,map. 103 Ed4G
- 41813 ERDEI, F. The reform of our farm management system and the production cooperatives. (Hu) *Magyar Mezogazdasag* 20(51):3-4. Dec.22,1965. 19 M27
- 41814 EWERT, H. G. The characterizing of management of farm holdings. (Ge) *Z. Agrarokon.* 8 (7):202-205. 1965. 281.8 Z3
- 41815 FERRO, O. Problems and applications of linear programming in agriculture. (It) *Gior. Econ.* 24(9/10):822-851. Sept./Oct.1965. 280.8 G43
- 41816 FIEBIG, A. Joint LPG facility for the procurement of agricultural production equipment. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:21-26. Oct.27,1965. (JPRS 32,573: TT 65-33052) 173 J663Ste
Translation from *Einheit* 20(9):121-124. Sept. 1965.
- 41817 FIRULIN, I. V. Money likes counting. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 1:34-38. Jan. 1966. 30.69 Uc4
Finance on state and collective farms.
- 41818 FLOHR, F. Specialization as a cure-all? (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(49):1882,1884. Dec.9,1965. 18 N39
- 41819 GADE, H. Management problems in the building up of seed and nursery stock production as main products on the seed breeding VEG Drewitz. (Ge) *WTF (Wiss.-Tech. Fortschr.) Feldwirtsch.* 8(3):110-112. Mar.1965. 18 W763
- 41820 GEHLE, H. S. J. Pig farming—how to set about it. *Farming S. Afr.* 41(8):41,43,45,47,49, 51,53. Nov.1965. 24 S0842
- 41821 GILLIAM, H. C. Farm adjustments for changing conditions. II. Tobacco farms, South Carolina. S. C. Agr. Exp. Sta. Bull. 519,81 p.,map. Dec.1965. 100 S08
U. S. Department of Agriculture, cooperating. Linear programming used.
- 41822 GOSPODINOV, R. Achievements of the Bulgarian cooperative farms in 1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:1-11. Oct.13,1965. (JPRS 32,382; TT 65-32872) 173 J663Ste
Productive capacity.
Translation from *Naruchnik na agitatora* 12: 27-37. June 1965.
- 41823 GRIFFIN, S. A. Sound management—the key to profitable livestock production. *Feed Age* 16 (2):26-27. Feb.1966. 389.78 F327
- 41824 HARSH, S. B. An economic study of apple production on size-controlled trees. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 186, 20 p.,map. Oct.1965. 281.9 C81A
Management and costs.
- 41825 HARTIA, S., SOTAN, S., and CONDRATENCO, T. Application of economic and mathematical methods in the distribution and specialization of field crops by labor force. (Rum) *Rev. Statist.* 14(4):25-30. Apr.1965.
- 41826 HEADY, E. O. Priorities in the adoption of improved farm technology. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.155-174. 1965. HD1411.15
Input combinations at different stages of economic development and technology changes with economic growth.
- 41827 HECHELMANN, H. G. Organization forms of production and marketing. (Ge) *Landtechnik* 21(1/2):40-45. Jan.15,1966. 58.8 L235
Potato farms.
- 41828 HELMING, W. C. Grazing costs tied to BLM [Bureau of Land Management] and forest lands variables. *Amer. Cattle Prod.* 47(9):25-26. Feb.1966. 49 P94
- 41829 HEWES, L. "Suitcase" farming on the agricultural frontier of the central great plains: a study in cultural geography. *Assoc. Amer. Geog. Ann.* 55(4):619. Dec.1965. 500 As73
- 41830 HINSHAW, K. On Long Island forty farmers grow 60% of this country's ducklings. *Agway Coop.* 1(14):22-25. Nov.1965. 280.28 Ag9
Agribusiness.
- 41831 HOLT, J. S., and JENSEN, H. R. Effects of policy programs and capital availability on Red River Valley farms. *Minn. Agr. Exp. Sta. Sta. Bull.* 480,40 p. Oct.1965. 100 M66
Federal wheat and grain programs; linear programming used.
- 41832 HORIE, S., and others. Studies on the patterns of future growth of a mandarin orange orchard as a viable farm in the Setouchi district. 1-3. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:21-56, map. Ref. Dec.1964. 107.6 H572Ho
T. Hirai, Y. Kubo, K. Tamonin, J. Shinoda, and R. Fukuma, joint authors.
- 41833 HUGHES, E. M., and STANTON, B. F. Time spent on entrepreneurial and related activities, 44 New York dairy farms, 1964-65. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 187,24 p. Ref. Dec.1965. 281.9 C81A
- 41834 HUHEEY, T. The farmer-computer management team. *Farm Quart.* 21(1):69-70,106,110, 112,114. 1966. 6 F22995
- 41835 HUNZIKER, R. Is there still a meaning? (Ge) *Grune* 94,i.e.93(40):1428-1431. Oct.1,1965. 17 Sch9
The future of farming as an occupation and education of children.
- 41836 INFANGER, C. A. Economic significance of Federal ownership of Bureau of Land Management administered lands on selected Montana county incomes. *Diss. Abs.* 26(7):3667. Jan. 1966. 241.8 M58
- 41837 JAHN, W., and ROTH, S. Evaluation of research results on the natural prerequisites for transition to industrialized production in the Rugen district. (Ge) *Z. Agrarokon.* 11(8):326-330. 1965. 281.8 Z3
- 41838 JOHNSON, J. E. Suggestions on father and son farming agreements. *N. Dak. Agr. Exp. Sta. Bull.* 457,19 p. Sept.1965. 100 N813
- 41839 KAMATA, K. Yokei no shin gijutsu. 1. Yokei keiei to keisha shisetsu [New techniques in poultry raising. 1. Management of poultry raising and the construction of poultry housing]. Tokyo, 1965. 342 p. (Chikyu Shuppan Kabushiki Kaisha) 47.8 Y74
- 41840 KAMPHORST, H. Consequences of the post-war development of agriculture. (Du) *Inzicht* 20(1):8-9. Jan.1966. 44.8 In2
Livestock farms.
- 41841 KHOMONOV, B. Economic analysis and finance on collective farm. (Rus) *Uchet Finansy Kolkhoz. Sovkhoz.* 1:51-52. Jan.1966. 30.69 Uc4
- 41842 KIRALYI, E. State farms, their status and their tasks. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:1-10. June 14,1965. (JPRS 30,605) 173 J663Ste
Management.
Translation from *Tarsadalmi Szemle* 5:45-52. May 1965.
- 41843 KOCH, V. Mixed feed—important management factor in agriculture. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1774,1776,1778. Nov.18,1965. 18 N39
- 41844 KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOYUZA. VYSSHAYA PARTIYNAYA SHKOLA. Ekonomika sel'skokhozyaistvennykh predpriyatiy; uchebnoe posobie [Economy of the agricultural enterprises; a handbook of learning]. Ed.4, rev. and enl. Moskva, Izdatelstvo Politicheskikh Literatury, 1965. 414 p. HD1992.K6

- 41845 KOTECHNKOV, A. Development of collective and state farm production and of individual subsidiary farm production. (Rus) Planovoe Khoz. 1:79-81. Jan.1966. 280.8 P69
- 41846 KREBS, K. Foundations in French law for the encouragement of the association of farms for their common benefit. (Ge) Agrarwirtschaft 15(1):27-34. Jan.1966. 281.8 Ag826
English summary.
- 41847 MADDEN, J. P., and DAVIS, B. Economics of size on irrigated cotton farms of the Texas High Plains. Tex. Agr. Exp. Sta. Bull. 1037, 11 p.,map. June 1965. 100 T31S
- 41848 MADEC, J. Farm structure and the SAFER in France. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 12(4):97-104. 1965. 275.249 F26
Societes d'Amenagement Foncier et d'Etablissement Rural.
- 41849 MARINGE, W. State farm economic results for 1963-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:60-70. Feb.16,1965. (JPRS 28,779) 173 J663Ste
Productive capacity.
Translation from Nowe Rolnictwo 23(13):2-6. Dec.1964.
- 41850 MARTIN, N. R., PARTENHEIMER, E. J., and STRICKLAND, P. L. Implications of allotments on optimum farm organization and supply relationships in two Alabama areas. Ala. Agr. Exp. Sta. Bull. 361,58 p.,map. Ref. Oct.1965. 100 AL1S
Acreage quotas for farms growing cotton and peanuts; linear programming and price mapping procedures used.
- 41851 MATSUNAGA, T., and OFUCHI, S. An economic study of collectivized farming of grapes in Namakuma-cho in Hiroshima Prefecture. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:77-98, map. Dec.1964. 107.6 H572Ho
- 41852 MCDERMOTT, E. C. The feasibility of cooperative cattle feeding and slaughtering in Montana. Diss. Abs. 26(7):3667. Jan.1966. 241.8 M58
- 41853 MCHALE, T. R. Rubber smallholdings in Malaya; their changing nature, role and prospects. Malayan Econ. Rev. 10(2):35-48. Oct. 1965. 280.8 M29
- 41854 MEINHOLD, K., and HANF, C. H. Adjustment of economic farm management in potato farms to changed market conditions. (Ge) Landtechnik 21(1/2):2-8,10-11. Jan.15,1966. 58.8 L235
- 41855 MEKNIC, S. Some considerations of the problem of cooperation and results of cooperative fattening of poultry for meat on territory of FR Croatia. (Se) Stocarstvo 19(3/4):109-118. Mar./Apr.1965. 43.8 St6
- 41856 MERRILL, G. D. Land and education: the origin and history of land grants for the support of education. Diss. Abs. 26(6):3144. Dec.1965. 241.8 M58
- 41857 MOORE, C. The Vale Project. West. Livestock J. 44(10):58-62,64. Jan.1966. 6 F2278
Management of public lands and beef cattle industry.
- 41858 NEUMANN, H. Adjustment of economic farm management in potato farms in Bavaria to changed market condition. (Ge) Landtechnik 21(1/2):11-12,14,16-19. Ref. Jan.15,1966. 58.8 L235
- 41859 NICOL, T. W. Farm secretarial services—a review of the present position. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:165-168. Summer 1965. 241 G796
- 41860 O, U. G. The strengthening of technical guidance in agricultural production is the foundation of entrepreneurial guidance. U. S. Joint Publ. Res. Serv. Econ. Rep. N. Korea 166:22-28. Oct.5,1965. (JPRS: 32,271; TT 65-32761) 173 J663Er
Translation from Nodong Sinmun Sept.5, 1965:2.
Collective farm management.
- 41861 PARIGI, S. F. The Tennessee pilot farm management projects. Employment Serv. Rev. 3 (1):9-10. Jan.1966. 158.3 Em72
- 41862 PETROV, E., SKORDEV, G., and KLASANOV, M. Organizatsiya na stopanskite dvorove v TKZS [Layouts and management of cooperative farms]. Sofiya, Zemizdat, 1964. 153 p. S563.P4
- 41863 PIETRO, M. DI. The part-time farm, instrument of agricultural development. (It) Bonifica Integrale 19(4):115-117. Apr.1965. 55.9 As72
- 41864 PORTER, W. W. The public domain—heart of the Republic. II. Amer. Forests 72(2):26-29, 46-51. Feb.1966. 99.8 F762
History.
- 41865 QUEENSLAND. DEPT. OF PRIMARY INDUSTRIES. Farm management reference data. 5. Section D—miscellaneous. Queensland Agr. J. 91(11):682-689. Nov.1965. 23 Q33
Includes weights and measures.
- 41866 QUEENSLAND. DEPT. OF PRIMARY INDUSTRIES. Farm management reference data. 7. Queensland Agr. J. 92(1):27-50. Jan.1966. 23 Q33
Includes fertilizers, economic poisons and other chemicals, freight rates, electricity consumption, crop yields and marketing, and land evaluation.
- 41867 ROSENKRANZ, O. Status and further development of industrial-scale production of field crops of socialist agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 362:18-40. May 26,1965. (JPRS 30,248) 173 J663Ste
Translation from Zeitschrift fur Agrarökonomik 8(2/3):37-45. Feb./Mar.1965.
- 41868 SCHNABEL, W. Basic data on the 1965 farm plan. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 134:3-8. Nov.15,1965. 281.8 B462
Statistical method.
- 41869 SCOTT, D. Return to McLean County. Farm Quart. 21(1):78-80,132-133. 1966. 6 F22995
Swine farm management.
- 41870 SEMENOV, P. S. Control commission on collective farm. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:55-57. Jan.1966. 30.69 Uc4
- 41871 SHAW, E. W. Surveying is cool, man. Our Publ. Lands 15(3):7-8. Winter 1966. 156.55 Ou7
Land survey near the Arctic.
- 41872 SMITH, F. J. Economic analysis of resource combinations in peach harvesting and packing. N. C. State Coll. Agr. Eng. Dep. Agr. Econ. A. E. Inform. Ser. 124,42 p. Nov.1965. 281.9 N816
Model based on linear programming.
- 41873 STILLER, H. Development of the management system on type III agricultural production co-operatives. (Ge) Z. Agrarökonom. 11(8):333-336. 1965. 281.8 Z3
- 41874 TANIKAWA, T., SONODA, M., and KONDO, S. Chikusan keiei konsarutanto [The livestock raising management consultant]. Osaka, Fumin Kyokai, 1965. 401 p. SF55.J3T3
- 41875 TIX, P. E., and others. Production adjustments; a case study of six south central North Dakota farms. N. Dak. Agr. Exp. Sta. Bull. 456,31 p. Aug.1965. 100 N813
D. O. Anderson, L. D. Loftsgard, and R. D. Krenz, joint authors.
Linear programming used.
- 41876 TOOTELL, R. B. The future of the family farm. Agr. Policy Rev. 5(3):8-9. July/Sept. 1965. 281.28 Ag82
- 41877 TOTTH, MRS. J. Operational statistics and analysis of operation of state farms from 1955 to present. (Hu) Termeloszovetkezetek Tanacsadoja 50:I-IV. Dec.15,1965. 280.28 T272

- 41878 TWEETEN, L. G., REICHARDT, A. W., and LAGRONE, W. F. Profitable plans for farms in the major bottomlands of south central and east central Oklahoma. Okla. Agr. Exp. Sta. Bull. 641, 40 p. Dec. 1965. 100 Ok4
U. S. Department of Agriculture, cooperating. Optimum organizations for crop and livestock enterprises.
- 41879 VISHER, S. S. The public domain. In Smith, G. H., ed. Conservation of natural resources. ed. 3, p. 15-22, map. Ref. 1965. HC103.7.S56
- 41880 WENNERGREN, E. B., and ROBERTS, N. K. Fair fee problems—pricing special uses of State lands. Farm Home Sci. [Utah Sta.] 26(3): 82-83, 92. Sept. 1965. 100 Ut1F
- 41881 WESTERMARCK, N. The family and farming. (Sw) Stiftelse, Svenska Lantbruksveckan. Lantbruksveckan 1964:101-113. 11 Sw34
- 41882 WQOTEN, P. 20 years of farming. Farm Quart. 21(1):56-59, 145-146. 1966. 6 F22995
Includes farm management.
- 41883 WRIGHT, W. J. Horticultural management. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:173-177. Summer 1965. 241 G796
- 41884 ZURCHER, P. B. Partnership in the farm family. (Ge) Grune 93(31):1097-1099. July 30, 1965. 17 Sch9
Switzerland.

Bookkeeping and Records

- 41885 AMIROV, M. SH. New calculation instruction. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:25-26. Jan. 1966. 30.69 Uc4
For state and collective farms.
- 41886 BRANDES, W. How does one calculate in agriculture? (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1170-1174. July 22, 1965. 18 N39
- 41887 DANILAN, A. A. Osnovnye sredstva i ikh uchet v sel'skokhozyaistvennykh predpriyatiyakh [Fixed capitals and their accounting in agricultural enterprises]. Moskva, Kolos, 1965. 175 p. S567.D3
Bookkeeping and accounting on state and collective farms.
- 41888 DAVIER, G. VON. Experiences of a practitioner with bookkeeping. (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1168, 1170. July 22, 1965. 18 N39
- 41889 DAVIES, A. J. The farm business recording scheme. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):7-9. Jan. 1966. 10 G79J
- 41890 FÖCKE, C. Methods for determination of on-farm cost-covering accounting prices for agricultural products. (Ge) Z. Agrarökön. 8(12): 363-365. 1965. 281.8 Z3
- 41891 HUHEEY, T. The farmer-computer management team. Farm Quart. 21(1):69-70, 106, 110, 112, 114. 1966. 6 F22995
- 41892 KUNDIGER, K. Bookkeeping and cost accounting. (Ge) Mitt. Deut. Landwirt.-Ges. 80(29): 1153-1154. July 22, 1965. 18 N39
- 41893 MOHRING, G., and MITTL, G. Management records and determination of taxable earnings. (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1157-1159. July 22, 1965. 18 N39
- 41894 PETERS, A., and GEISSENDORFER, K. Kosten kennen, Kosten senken; Berechnung und Beurteilung der Produktionskosten in der Zucht- und Nutzviehhaltung [Know costs, lower costs; reckoning and estimation of production costs in breeding and domestic animal production]. Hamburg, Parey, 1965. Ref. 79 p. SF111.P4
Includes livestock products.
- 41895 PORTER, J. T. A management account and tax record guide for roadside markets, fruit stores, garden centers and nurseries. Purdue Univ. Ind. Agr. Ext. Mimeo EC-303, 16 p. July 1965. 100 In2Ag
- 41896 PREIKSZAT, U. Bookkeeping of the farmer—simple and still powerful statement. (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1155-1157. July 22, 1965. 18 N39
- 41897 RESHETNIK, I. T. Without books and summary of balances. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:31-32. Jan. 1966. 30.69 Uc4
Bookkeeping on collective and state farms.
- 41898 ROMANENKOV, D. F. Evaluation of activities of state farm accounting teams. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:48-50. Jan. 1966. 30.69 Uc4
- 41899 RUSAKOV, G. K. Introduction of agricultural calculations on state and collective farms. (Rus) Zemledelie 1:25-31. Jan. 1966. 20 Z44
- 41900 SCHUBERT, E. Representation of connected production processes in the interlaced agricultural budget. (Ge) Z. Agrarökön. 8(7):211-213. Ref. 1965. 281.8 Z3
Accounting for production costs of products which have use as main and byproducts.
- 41901 SHIRINSKAYA, Z. G. Progressive bookkeeping. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:42-44. Jan. 1966. 30.69 Uc4
Use of special checks in paying of collective and state farm debts.
- 41902 SHTEINMAN, M. YA. Improving bookkeeping and calculation on farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 1:23-25. Jan. 1966. 30.69 Uc4
- 41903 STEVENSON, R. C. How to keep an account. 1. Agr. Northern Ireland 40(7):205-211. Nov. 1965. 256.13 Ag82M
- 41904 VASIL'EV, D. G. How to open book accounting. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 2:5-9. Jan. 1966. 30.69 Uc4
On collective farm.
- 41905 WITERN, K. Position of assets; a simple and reliable measurement of farm success! (Ge) Mitt. Deut. Landwirt.-Ges. 80(29):1160, 1162, 1164-1165. July 22, 1965. 18 N39

Costs and Returns

- 41906 CALIFORNIA UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1964—San Diego County egg cost study, with a 5-year summary, 1960-1964, by R. H. Adolph. San Diego, 1965. 8 p. 275.29 C12En
- 41907 CEDELL, T. Meadow seed growing in South Sweden. (Sw) Svensk Frotidn. 34(12):170-173. Dec. 15, 1965. 61.8 Sv2
Chiefly returns.
- 41908 CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Cash crop, poultry, and general farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 984, 24 p., map. Aug. 1965. 275.29 V81C
Costs and returns.
- 41909 CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Dairy farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 958, 25 p., map. Sept. 1965. 275.29 V81C
Costs and returns.
- 41910 COZENS, L. E., and WHITE, H. A. Economics of fodder reserves in droughts. J. Agr. [Melbourne] 63(12):541-546. Dec. 1965. 23 V66J
Hay and silage.
- 41911 DAVID, N., and POPESCU, O. Economic effectiveness of raising livestock on commercial farms. (Rum) Probl. Econ. [Bucharest] 18(9): 63-76. Sept. 1965. 280.8 P947
- 41912 HAAN, W. G. DE, and VROOMEN, C. O. N. Produktiekosten van trektulpen in het bloementeltcentrum Rijsburg [Production costs of forced tulips in the Rijsburg bulb culture center]. Landbouw-Econ. Inst. Verslagen 138, 51 p. 1965. 281.9 L23V

- 41913 HOORNWEG, J. Rentabiliteit weide- en gemengde bedrijven; voorcalculatie 1966/67 [Profits of grassland and diversified farms; preliminary estimates 1966/67]. Landbouw-Econ. Inst. Verslagen 145,43 p. Dec.1965. 281.9 L23V
- 41914 IOAN, M. Economic effectiveness of the concentration of the production of wheat in state farms of the Braila area. (Rum) Rev. Gosp. Agr. Stat 17(8):5-7. Aug.1965. 21 R32
- 41915 JANSSENS, J. Research on the profitability of farming, 184 farms, fiscal year 1963-1964. I-II. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(1):69-349, map. 1965. 105.1 G344
English summary.
I, Average results; II, Prices.
- 41916 KEARL, C. D. Cash crops and fruits; costs and returns from farm cost accounts, 44 farms—1964. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 183,21 p. Dec.1965. 281.9 C81A
- 41917 KEARL, C. D. Field crops costs and returns from farm cost accounts, 44 farms—1964. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 184,21 p. Dec.1965. 281.9 C81A
- 41918 KEARL, C. D. Livestock costs and returns from farm cost accounts, 44 farms—1964. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 182,15 p. Dec.1965. 281.9 C81A
- 41919 KEARL, C. D. Overhead costs from farm cost accounts, 44 farms—1964. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 185,20 p. Dec.1965. 281.9 C81A
- 41920 KYOTO UNIVERSITY. INSTITUTE OF FARM ACCOUNTING. 1964 farm economy analysis report from the results of 225 simplified farm records—in the Kinki district. Kyoto, 1965. 29 p., map. 281.9 K993
- 41921 LOHDEN, A., and RAUTENBERG, B. Our pear harvest in 1964 and its proceeds. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(6): 226-232. June 1965. 85 J76
- 41922 MARDIAK, J., and STASKO, J. On the costs and returns of rearing ducks. (Cz) Drubeznictvi 12, i.e. 13(3):34-35. Mar.1965. 47.8 D843
- 41923 MATSUMOTO, M. A financial analysis of a livestock raising farm. (Ja) Himeji. Chugoku Agr. Exp. Sta. Bull. C, 11:113-125, map. Dec. 1964. 107.6 H572Ho
- 41924 MAYNARD, C. Steers may be best money bet. Okla. Cowman 5(9):44. Sept.1965. 43.8 Ok42
- 41925 MELJAARD, D. The size of holdings in Dutch horticulture under glass. (Du) Neth. Dir. Tuinbouw. Mededel. 28(5):258-260. May 1965. 86 N384
English summary, p.290.
Effects of size on returns.
- 41926 MYREHED, I. Economy of broiler production. (Sw) Forsok Forsk. 9:5-7. 1965. 11 F77
Costs and returns.
- 41927 NILSSON, B. Economic views on the purchase of ready mixed feed versus home preparation of grain meal for baby pig production. (Sw) Malmohus Lans Hushallningssallsk. Kvartals-skr. 2:193-198. 1965. 11 M29
- 41928 NOTTINGHAM. UNIVERSITY. DEPT. OF AGRICULTURAL ECONOMICS. Farming in the East Midlands; financial results 1964-65 (fourteenth annual report). Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. F. R. 160,43 p. Dec.1965. 281.9 N842F
- 41929 PERRYMAN, C., and others. Estimated costs and returns for a cow calf enterprise in Lewis County, Washington, 1964. Wash. State Univ. Ext. E. M. 2422,9 p. June 1965. 275.29 W27Mi
A. Cagle, J. Johnson, R. Roffler, and E. Minnick, joint authors.
- 41930 PETTY, R. R., BOYKIN, C. C., and EDDLEMAN, B. R. Estimated cost of maintaining a beef cow in Texas. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373:24. July 1965. 100 T31P
- 41931 REID, J. Grass silage costings, 1964 crop. West Scot. Agr. Coll. Econ. Dep. Rep. 102, 20 p. 1965. 281.9 W5222
- 41932 REIMERS, H. Cover contribution and special cost-free gross income in education and extension. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 136:3-5. Jan.15,1966. 281.8 B462
- 41933 RIDDER, J. The agricultural economy. (Da) Dansk Landbrug 85(1):6-9. Jan.1966. 280.28 V91
Costs and returns.
- 41934 SCHNABEL, W., and VOGEL, G. Proceeds from cattle raising. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 135:12. Dec.15,1965. 281.8 B462
Costs and returns.
- 41935 SMITH, R. S., WINSLOW, W., and BLIXT, I. 1965 farm business summary, Cortland County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 395,23 p. Jan.1966. 281.9 C81Ae
- 41936 STUSTRUP, N. How about the economy? (Da) Landbonyt 19(6):233-238. June 1965. 11 L2322
Farm costs and returns.
- 41937 TELGEMEIER, K., and METCALF, V. A. Mechanical stripping vs. mechanical picking of cotton. Mo. Agr. Exp. Sta. Spec. Rep. 60,24 p. Dec.1965. 100 M693Sp
Costs and quality.
- 41938 URBANEK, L. System of index numbers for production and operation evaluation of economic units of collective and state farms. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Ekon. 38(7):385-396. July 1965. 281.9 C332
Russian and German summaries.
Costs.
- 41939 VELLA, G. F. The Sicilian costs and horticultural competition. (It) G. Agr. 76(3):28-29. Jan.16,1966. 16 It1G
- 41940 WOOD, R. O. Fat lamb and fat sheep production in the East Midlands 1962-63; costs and returns from different systems. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. F. R. 154,23 p. June 1964. 281.9 N842F
- 41941 WOOLF, W. F., and RACHAL, J. V. Profitability of watermelon production in Louisiana. La. Agr. 9(2):14-15. Winter 1965/66. 100 L939

Land Settlement and Colonization

- 41942 ARTUNDUAGA P., G. Project of directed colonization. (Sp) Seminar. Programacion Admin. Reforma Agr. [Doc.] 1964:239-254. 282.9 Se54
Comment by J. L. Mendez Arocha and G. Crespo, p. 255-271.
- 41943 RUTHENBERG, H., and BRAUN, O. Military colonization in Bolivia. (Ge) Z. Auslandsche Landwirt. 4(1):70-72. Feb.1965. 281.8 Z32
- 41944 SOLOMON, R. J., and GOODHAND, W. E. Past influences in present townscapes: some Tasmanian examples. New Zeal. Geogr 21(2):113-132, map. Oct.1965. 331.8 N48
Land settlement in agricultural districts.

Land Tenure

- 41945 ADAMS, D. Colombia's land tenure system: antecedents and problems. Land Econ. 42(1): 43-52. Ref. Feb.1966. 282.8 J82
- 41946 ALLGOOD, J. G., HARWOOD, D. G., and BOYET, W. E. "Farming, Inc." N. C. Univ. Ext. Ext. Circ. 461,16 p. July 1965. 275.29 N811
Incorporated farms.
- 41947 ARNAL NUNEZ, O. Planning under the agrarian reform. (Sp) Seminar. Programacion Admin. Reforma Agr. [Doc.] 1964:133-138. 282.9 Se54
Comment by J. R. Acosta-Cazaubon, p. 139-142.

- 41948 BERGMANN, H. Consolidation of holdings on Greek irrigation projects. (Ge) *Z. Ausländische Landwirt.* 4(1):73-76. Feb. 1965. 281.8 Z32
- 41949 BLAZAS, H. Private farming gains recognition under communism. *Int. Peasant Union. Bull.*, Nov. 1964/Jan. 1965:5-9. 280.9 In822
Policies in the USSR.
- 41950 BOCCHIO, F. Fragmentation of land holdings. (It) *Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna* 18(11):8-12. Nov. 1965. 287 So5
- 41951 BONILLA ATILES, J. A. Legislacion de tierras en la Republica Dominicana: el sistema Torrens [Land legislation in the Dominican Republic: the Torrens system]. *Workshop Agr. Financ. Lat. Amer. Doc.* 42(2), 185 p. 1965. 281.9 W893
- 41952 BURROUGHS, R. J. Should urban land be publicly owned? *Land Econ.* 42(1):11-20. Ref. Feb. 1966. 282.8 J82
Includes rural-urban fringe.
- 41953 DEGN, A. M. Evaluation of Federal grazing permits on Montana cattle ranches. *Diss. Abs.* 26(7):3666. Jan. 1966. 241.8 M58
- 41954 FAZIO, S. DI. Development of the "parzionaria" contract in the new economic and technical conditions. (It) *Tec. Agr.* 16(5/6):252-260. Sept./Dec. 1964. 16 T22
- 41955 FUENTES BARRIGA, C. The agrarian reform at the project level. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:169-207. 282.9 Se54
Comment by C. Sanchez Ramos, p. 208-219. Peru.
- 41956 GARRIDO ROJAS, J. Programming and administration of the agrarian reform at the regional level. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:87-118. 282.9 Se54
Comment by S. Rueda, p. 119-132. Chile.
- 41957 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbauerhebung 1961. Heft 1. Betriebe und ihre Struktur [Horticulture census 1961. No. 1. Farms and their structure]. Wiesbaden, 1965. 212 p. (Its Land- und Forstwirtschaft, Fischerei) 265 G318Gab
Size classes and areas used.
- 41958 GILLES, E. Influencia del regimen de tenencia sobre explotaciones rurales de la region maicera argentina [Influence of tenure system on farms of the Argentine corn region]. *Pergamino. Estac. Exp. Agropecuar. Inform. Tec.* 35, 39 p. Ref. Mar. 1965. 102.5 P413
- 41959 GONZALEZ P., A. R. Peasant organizations within an agrarian reform process. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:220-237. 282.9 Se54
Venezuela.
- 41960 JOHNSON, V. W. Significance of land ownership in land reform. *Land Econ.* 42(1):21-28. Feb. 1966. 282.8 J82
- 41961 JUNQUEIRA, U. DE A. Agrarian reform—the Cattle Raisers Association of Sao Paulo [Associação Paulista de Criadores de Bovinos] and the land statute. (Por) *Rev. Criadores* 36(421):9-11. Jan. 1965. 43.8 R32
- 41962 KAWANO, S. Economic significance of the land reform in Japan. *Develop. Econ.* 3(2):139-157. June 1965. 280.8 D493
- 41963 KELIN, I. Utilitarianism and agrarian progress in Western India. *Econ. Hist. Rev.* 18(3):576-597. Dec. 1965. 277.8 Ec7
Tenure and taxation history.
- 41964 MANTILLA, W. Programming and administration of the agrarian reform at the national level. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:1-20. 282.9 Se54
Comment by P. Alibert, p. 21-38.
- 41965 PENALOSA CAMARGO, E. Some questions on the formulation of the national planning for the agrarian reform. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:143-155. 282.9 Se54
Comment by J. Leiva Fonseca, p. 156-161.
- 41966 POSADA F., A. J. Programming and administration of the agrarian reform at the regional level. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:161-167. 282.9 Se54
- 41967 RIEMANN, F., and HAPPICH, E. Die gross-raumige Vorplanung für die Flurbereinigung im Landkreis Duderstadt [Large area planning for consolidation of holdings in Dunderstadt district]. *Agrarsoz. Ges. Materialsamml.* 41, (various paging), map. Nov. 1965. 281.9 Ag862M
Includes population, economy, and social conditions.
- 41968 RON PEDRIQUE, A. Necessity of planning under the agrarian reform. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:271-288. 282.9 Se54
Venezuela.
- 41969 ROSE, L. E. Nepal in 1965: focus on land reform. *Asian Surv.* 6(2):86-89. Feb. 1966. 280.8 As42
- 41970 SEEHUSEN. Consolidation of holdings in the highest legal jurisdiction. (Ge) *Recht Landwirt.* 17(7):168-170. July 1965. 30.58 R24
- 41971 SEMINARIO SOBRE PROGRAMACION Y ADMINISTRACION DE REFORMA AGRARIA, MARACAY, VENEZUELA, 1964. [Documentos] [Seminar on Land reform programming and administration—documents]. Bogota, Instituto Interamericano de Ciencias Agricolas, 1964. 337 p. 282.9 Se54
Proyecto 206 del PCT de la OEA.
- 41972 SUND, M. D. Land tenure and economic performance of agricultural establishments in northeast Brazil. *Diss. Abs.* 26(7):3670. Jan. 1966. 241.8 M58
- 41973 SZEMBERG, A. Agrarian structure in people's Poland and its evolution during the past 10 years. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 339:23-59, map. Feb. 16, 1965. (JPRS 28,779) 173 J663Ste
Farm number, size, and tenure.
Translation from *Ekonomista* 5:1151-1179. 1964.
- 41974 THIESENHUSEN, W. C. Experimental programs of land reform in Chile. *Diss. Abs.* 26(7):3670-3671. Jan. 1966. 241.8 M58
- 41975 TIMMONS, J. F. Agricultural development through modifying land tenure arrangements. In *Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture*, p. 81-98. 1965. HD1411.15
- 41976 VALENCIA VEGA, A. The agrarian reform in Bolivia; its national programming. (Sp) Seminar. *Programacion Admin. Reforma Agr. [Doc.]* 1964:39-71. 282.9 Se54
Comment by L. Pacora C., p. 72-86.
- 41977 WADA, M., TACHIBANA, T., and MORIHIRO, T. Shin nochiho skokai [Lectures on the new agricultural land act]. Tokyo, Gakuyo Shobo, 1965. 427 p. HD1167.W3

Land Utilization

- 41978 ANDERSON, J. The use of fodder and live-stock units in agricultural geography: a case study of Soviet land use policy. *Assoc. Amer. Geog. Ann.* 55(4):603. Dec. 1965. 500 As73
- 41979 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIA OFF. Western Australia rural land utilization, season 1964-65. Perth, 1965. 7 p. 271.7 C333R
- 41980 BEELEY, B. W. Agricultural change: a "field" study. *Assoc. Amer. Geog. Ann.* 55(4):605. Dec. 1965. 500 As73
Land utilization in Turkey.

- 41981 BJERKE, S. Planning of recreational areas. (Da) Nord. Lantbruksek. Tidskr. 15(4):125-127. 1965. 281.8 N75
- 41982 BRAGA, V. L. The dynamics of crop type in Vicenza. (It) Agr. Venezie 19(6):289-306. June 1965. 16 Ag826
Land use and areas.
- 41983 BRITTON, W. Statutory control of land use through fiscal policy. Chartered Surv. 98(7):387-392. Ref. Jan.1966. 325.8 C38
- 41984 CHANG, S. D. Trend of agricultural geography in Communist China. Assoc. Amer. Geog. Ann. 55(4):609. Dec.1965. 500 As73
Land utilization.
- 41985 CHRISTIAN, C. S. Land usage and agricultural development in northern Australia. Australian Ter. 5(2):2-16. Mar.1965. 280.8 Au77
- 41986 CLAWSON, M. Recreational resources. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.441-460. Ref. 1965. HC103.7.S56
- 41987 COUNCIL FOR THE PRESERVATION OF RURAL ENGLAND. Thirty-ninth annual report 1964-1965, Vol. XVIII, No. 1. London, 1965. 50 p. 280.7 C83
Includes town and country planning.
- 41988 DUMPER, T. A. The impact of urbanization on watershed development. J. Soil Water Conserv. 21(1):24-26. Jan./Feb.1966. 56.8 J822
Land utilization.
- 41989 GARRIGUS, W. M. Roughness of terrain as a factor in the areal variation of agricultural productivity in Ohio. Assoc. Amer. Geog. Ann. 55(4):615-616. Dec.1965. 500 As73
- 41990 HARPER, R. A., SCHMUDDE, T. H., and THOMAS, F. H. Recreation based economic development and the growth-point concept. Land Econ. 42(1):95-101. Ref. Feb.1966. 282.8 J82
Rural areas.
- 41991 KITTLE, J. R., TAYLOR, F. R., and COX, R. W. A pilot study of certain aspects of outdoor recreation in North Dakota. N. Dak. Agr. Exp. Sta. Bull. 459, 39 p., map. Nov.1965. 100 N813
- 41992 LAASIMER, L. On reconstruction of vegetation in relation to tasks of economic and regional planning. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 1:112-119, map. 1965. 442.9 Ak18
German summary.
Estonia.
- 41993 LLOYD, A. G. The controversy on northern development. Rev. Marketing Agr. Econ. 33(3):119-125. Sept.1965. 286.8 N47M
Land utilization policies in Australia.
- 41994 LONG, R. W. The moment of truth. West. Grower Shipper 36(12):21-22, 26. Dec.1965. 280.38 W52
California Land Conservation Act of 1965 to stabilize rural and urban growth.
- 41995 MCFADDEN, V. Recreational development through RAD in Washington County, Maine. New Engl. Reg. RAD Conf. Tech. Pap. 1964:55-57. A281.9 N44
- 41996 MURTHA, P. A. Aerial photographs and Hungarian partridge. Farm Res. [N. Y. Sta.] 31(2):8-9. July/Sept.1965. 100 N48A
Relevant land use photographs.
- 41997 PENDLETON, W. C. Some economic aspects of land-use regulation. Ill. Univ. Coll. Agr. Spec. Publ. 8:3-18. Ref. Oct.1965. 276 IL623
Discussion by M. Gaffney.
- 41998 ROBINSON, K. L. Cost and effectiveness of recent government land retirement programs in the United States. J. Farm Econ. 48(1):22-30. Feb.1966. 280.8 J822
Grain adjustment program.
- 41999 ROKITA, S. Ekonomiczne problemy rolnictwa w planowaniu przestrzennym [Economic problems of agriculture in country planning]. Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Rozpr. 1, 108 p. Ref. 1964. 281.9 K85R
English summary.
Includes industrialization and population problems.
- 42000 SALTER, P. S. Changing economic patterns of the South Carolina Sea Islands. Diss. Abs. 26(7):3857. Jan.1966. 241.8 M58
Agricultural land use.
- 42001 SARGENT, F. O. A scenery classification system. J. Soil Water Conserv. 21(1):26-27. Jan./Feb.1966. 56.8 J822
Designed for use in land classification.
- 42002 SMITH, G. H. The land we possess. In his Conservation of natural resources, ed.3, p.169-195, map. Ref. 1965. HC103.7.S56
Population, land use, and food and agricultural policy.
- 42003 SNYDER, J. H. A new program for agricultural land use stabilization: the California Land Conservation Act of 1965. Land Econ. 42(1):29-41. Ref. Feb.1966. 282.8 J82
- 42004 STOUSE, P. A. D. Effective agricultural development of former banana lands: the west coast of Costa Rica. Assoc. Amer. Geog. Ann. 55(4):651. Dec.1965. 500 As73
Land utilization.
- 42005 TAYLOR, V. W. Statutory intervention in private land use control. Chartered Surv. 98(7):381-387. Ref. Jan.1966. 325.8 C38
- 42006 WARD, R. G. Land use and population in Fiji, a geographical study. London, 1965. 308 p., map. Ref., 296-309. (Great Britain. Department of Technical Co-operation. Overseas Research Publication No.9) HD1129.F6W3
- 42007 WEEKS, S. B. Land-use planning in a growing economy. Agr. Policy Rev. 5(1):10-11. Jan./Mar.1965. 281.28 Ag82
- 42008 WENNERGREN, E. B. Value of water for boating recreation. Utah. Agr. Exp. Sta. Bull. 453, 27 p. June 1965. 100 Ut1
- 42009 WEST, W. A. Private control of land use. Chartered Land Agents' Soc. J. 65(2):49-58. Ref. Feb.1966. 282.9 L22
Legislation in Great Britain.

Land Values and Valuation

- 42010 FAMULARO, N. On trisection—hairsplitting, or the appraisal of fruit on the tree. (It) Riv. Catasto Serv. Tec. Erariali (n.s.)19(5/6):277-285. 1964. 280.8 R523
- 42011 HOOVER, D. M. Implications to the land market of agriculturally related public activities. Ill. Univ. Coll. Agr. Spec. Publ. 8:19-34. Ref. Oct.1965. 276 IL623
Discussion by D. Kanel.
- 42012 HRABOVSKY, J. P. A study of processes used in land purchase decisions. Diss. Abs. 26(6):3083. Dec.1965. 241.8 M58
Farm land.
- 42013 MARTENS, L. Prices of agricultural land: situation and development. (Fl) Land- Tuinbouw Jaarboek 20:57-68. 1965. 13 L22
- 42014 NORTH CENTRAL LAND ECONOMICS RESEARCH COMMITTEE. Factors in the farmland market. Ill. Univ. Coll. Agr. Spec. Publ. 8, 47 p. Ref. Oct.1965. 276 IL623
Papers prepared for the North Central Land Economics Research Seminar.
Foreword by L. K. Fischer.
- 42015 SCOFIELD, W. H. Dominant forces and emerging trends in the farm real estate market. Ill. Univ. Coll. Agr. Spec. Publ. 8:35-47. Oct.1965. 276 IL623
Discussion by O. R. Burt.
- 42016 SENZEL, I. Land for a plan. Our Publ. Lands 15(3):16-17. Dec.1965. 156.55 Ou7
Buying of public land; Public Sale Act.

- 42017 YEAGER, J. H. What is your farm worth? Highlights Agr. Res. [Ala. Sta.] 12(4):4. Winter 1965. 100 AL1H
- POPULATION
- 42018 BOWLES, G. K. An analysis of population trends and effects on existing institutions in the Great Plains. (With emphasis on adjustment process associated with migration). State Soc. Conf. Church Leaders. Proc. 1964:43-63, map. Ref. 1965. 280.9 St27
- 42019 BOWLES, G. K., and TARVER, J. D. The composition of net migration among counties in the United States, 1950-60. Agr. Econ. Res. 18(1):13-19. Jan. 1966. 1 Ec 7Agr
- 42020 CASE, S. G. Trends and effects on recreation and cultural arts. State Soc. Conf. Church Leaders. Proc. 1964:106-110. 1965. 280.9 St27
Population migration.
- 42021 CASTEL, P. Birth control. (Fr) Paysans 10 (56):23-33. Oct./Nov. 1965. 14 R323
In rural areas of France.
- 42022 DIEHL, W. D. Farm-nonfarm migration in the southeast: a costs-returns analysis. J. Farm Econ. 48(1):1-11, map. Feb. 1966. 280.8 J822
- 42023 DUNKELBERGER, J. E. Alabama's population—growing rapidly in some areas, barely breaking even in others. Highlights Agr. Res. [Ala. Sta.] 12(4):9. Winter 1965. 100 AL1H
- 42024 ETHERINGTON, D. M. Projected changes in urban and rural population in Kenya and the implications for development policy. East Afr. Econ. Rev. (n.s.) 1(2):65-83. Ref. June 1965. 280.8 Ea74
- 42025 GALAMINI, L. The rural exodus is also a consequence of the mortifying policy against agriculture. (It) Rass. Agr. Ital. 20(11):17-18. Nov. 1965. 281.8 R18
- 42026 MACHERELE, P. Enslavement; perspective of tomorrow. (Fr) Coop. Agr. [Paris] 12(143):8-9. Dec. 1965. 280.28 C78972
Population migration.
- 42027 NAKANISHI, S. The connection of the rural exodus of farmers with mechanization in main upland farming area of Hokkaido. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87: 118-131. Ref. Dec. 1965. 107.6 H68
English summary.
- 42028 RILEY, M. P. Where native South Dakotans lived in 1960. S. Dak. Agr. Exp. Sta. Bull. 528, 15 p., map. Aug. 1965. 100 So82
Migration picture.
- 42029 RZENDOWSKI, L. Agriculture and the economic development of Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:1-22. Feb. 16, 1965. (JPRS 28,779) 173 J663Ste
Includes population engaged in industry and agriculture.
Translation from Ekonomista 5:1096-1113. 1964.
- 42030 SIZER, L. M. Provisional estimates of the populations of West Virginia counties, July 1, 1964. W. Va. Agr. Exp. Sta. Curr. Rep. 44, 3 p. Sept. 1965. 100 W52Cu
- 42031 STAGNITTA, G. Rural exodus and mountain depopulation. (It) Roma Econ. 18(6):301-305. June 1965. 280.8 R66
- 42032 STASI, E. The rural exodus—results of an enquiry. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p. 148-158. 1964. 281.9 C815
- 42033 VOELKER, S. W. Effects of population trends on churches in the Northern Great Plains. State Soc. Conf. Church Leaders. Proc. 1964: 111-123. 1965. 280.9 St27
- 42034 WILBER, G. L., and ROGERS, T. W. Interstate migration of the Mississippi population, 1960. Miss. Agr. Exp. Sta. Bull. 717, 8 p., map. Nov. 1965. 100 M69
- 42035 WINKELMANN, D. A case study of the exodus of labor from agriculture: Minnesota. J. Farm Econ. 48(1):12-21. Ref. Feb. 1966. 280.8 J822
- 42036 WYDER, J. Problems of mountain population. (Ge) Grune 94(4):123-126. Jan. 28, 1966 17 Sch9
Rural exodus in Switzerland.
- 42037 ZELINSKY, W. A prologue to population geography. Englewood Cliffs, N. J., Prentice-Hall, 1966. 150 p., map. Ref., p. 131-135. (Foundations of Economic Geography Series) HB871.Z4
Rural population included.
- RURAL SOCIAL ORGANIZATION
- 42038 BAADER, H. G. Class and status as viewed by feudal aristocrat and peasant. Diss. Abs. 26 (7):3891-3892. Jan. 1966. 241.8 M58
- 42039 BARBERIS, C. Zola and rural society: a propos of a recent collection of rural literary sources. (It) Riv. Polit. Agr. (n.s.) 12(4):55-60. Dec. 1965. 281.8 R523
- 42040 CALLISON, J. C. Relations between welfare and human resource adjustment problems: dimensions of response. Agr. Policy Rev. 5(1):8-9. Jan./Mar. 1965. 281.28 Ag82
Social welfare policy.
- 42041 DEBATISSE, M. To find out the future. (Fr) Paysans 10(56):13-20. Oct./Nov. 1965. 14 R323
Condition of peasants in France.
- 42042 FERRAR, B., and PROCHNOW, J. Rural family living and rural youth (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 39, 21 p. Ref. Jan. 1966. 284.9 M58
Published jointly with Michigan Cooperative Extension Service.
Includes changing roles of family members.
- 42043 GARDNER, P. M. Ecology and social structure in refugee populations: the Paliyans of South India. Diss. Abs. 26(6):2972-2973. Dec. 1965. 241.8 M58
Foodgathering culture.
- 42044 HALPERN, J. M. The rural revolution. N. Y. Acad. Sci. Trans. (ser. 2) 28(1):73-80. Nov. 1965. 500 N484T
Rural life and culture.
- 42045 HOCKINGS, P. E. Cultural change among the Badagas: a community of southern India. Diss. Abs. 26(7):3578-3579. Jan. 1966. 241.8 M58
Agricultural community.
- 42046 JONES, E. W. The cycle of wealth and the whirlwinds of poverty—challenge to a free society. Agr. Policy Rev. 5(1):14-15. Jan./Mar. 1965. 281.28 Ag82
Manpower Development Training Act, Area Redevelopment Act, Rural Areas Development Program, and Economic Opportunity Act of 1964.
- 42047 KING, L. E. Negro life in a rural community. Diss. Abs. 26(6):3521-3522. Dec. 1965. 241.8 M58
- 42048 KOLLER, W. Living customs in Appenzell country. (Ge) Grune 19, i.e. 93(40):1414-1422. Oct. 1, 1965. 17 Sch9
- 42049 LUNZE, J. Soziale Dienste im Raum Borken-Bocholt [Social service in the Borken-Bocholt area]. Forschungsges. Agrarpolit. Agrarsoziol. [Einzelber.] 157, 48 p., map. Ref. Dec. 1965. 281.9 F77E
- 42050 MORGAN, F. J. The treatment of social problems by leading farm journals in the United States, 1920-1929. Diss. Abs. 26(7):3910-3911. Jan. 1966. 241.8 M58

- 42051 MUELLER, E. W. Change and responsible action. State Soc. Conf. Church Leaders. Proc. 1964:38-39. 1965. 280.9 St27
Rural life and religion in the Great Plains.
- 42052 PETERSON, E. E. Where the coyotes howl, and the winds blow free. State Soc. Conf. Church Leaders. Proc. 1964:25-37. 1965. 280.9 St27
Sociology in the Great Plains.
- 42053 SMITH, W. C. The people of La Pacanda: social organization and social change in a Tarascan village. Diss. Abs. 26(7):3581. Jan.1966. 241.8 M58
Mexican peasant community.
- 42054 STATE OF SOCIETY CONFERENCE FOR CHURCH LEADERS. University of Nebraska, 1964. A time of decision for people in the Great Plains: proceedings. Lincoln, 1965. 224 p.,map. Ref. 280.9 St27
Introduction by J. Muehlbeier.
- 42055 KEROTYRES, Z. Rural people and a new life in village. (Gre) Dassika Chron. 7(85):473-475. Nov.1965. 99.8 D263
- 42056 ZOBLER, L. A typology of world agriculture. Assoc. Amer. Geog. Ann. 55(4):660. Dec.1965. 500 As73
Rural social organization.
- Human Ecology
- 42057 ADAMS, D. W., and HAVENS, A. E. The use of socio-economic research in developing a strategy of change for rural communities: a Colombian example. Econ. Develop. Cult. Change 14(2):204-229. Ref. Jan.1966. 280.8 Ec7226
- 42058 DOUBLET, M. An original administrative experiment: the creation of rural districts in the Department of Iser. (Fr) Ann. Agr. 4:85,87, map. 1964/65. 17 An73
Regional planning.
- 42059 HANSEN, N. M. Some neglected factors in American regional development policy: the case of Appalachia. Land Econ. 42(1):1-9. Ref. Feb.1966. 282.8 J82
Includes land development.
Appalachian Regional Development Act of 1965.
- 42060 HARVEY, N. The modern villager. Chartered Land Agents' Soc. J. 64(10):425-426. Oct.1965. 282.9 L22
In Great Britain.
- 42061 HASTENPFLUG, J. Village renewal-theory and actuality; cooperation of rural settlement societies. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(4): 659-683. 1965. 18 G31
- 42062 KAWAKITA SHINPO SHA. HENSHUKYOKU. Asu no noson o motomete; taido surn Tohoku nogyo [Searching for tomorrow's rural community]. Tokyo, Nosan Gyoson Bunka Kyokai, 1965. 222 p. HT431.K3
- 42063 LUZ, F. Cooperative communities in Israel. (Por) Lavoura 66:20-21. July/Sept.1963. 9.2 L39
- 42064 MILLER, H. V. State and local planning. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.479-494, map. Ref. 1965. HC103.7.S56
Includes regional planning.
- 42065 MITCHELL, J. B., and MOORE, R. W. Small town power structure. J. Coop. Ext. 3(4):213-218. Winter 1965. 275.28 J82
Group influence in planning.
- 42066 OBATA, Y., NAKAMURA, K., and EBI, H. Sekai no noson [Rural villages of the world]. Tokyo, Nihon Hosho Shuppan Kyokai, 1965. 211 p. HT421.O2
- 42067 OTTOSON, H. W. Dealing with the realities of tomorrow's community. State Soc. Conf. Church Leaders. Proc. 1964:207-213. 1965. 280.9 St27
Implications for the Church.
- 42068 OUCHI, T., and others. Nogyo o torimaku shin-kankyo [The new environment in agriculture]. Vol. 2. Tokyo, Ochanomizu Shobo, 1965. 343 p. 34.3 K83K
N. Saeki, S. Kominato, H. Nakayama, H. Suzuki, S. Inuzuka, M. Takahashi, C. Kobayashi, M. Tanaka, and H. Saite, joint authors.
- 42069 PAAVILAINEN, V. Background and objectives of regional planning. (Sw) Nord. Lantbruksekön. Tidskr. 15(4):113-119. 1965. 281.8 N75
Finland.
Includes agriculture.
- 42070 RABINOWITCH, J. The Slavophiles and the peasant commune, 1840-1861. Diss. Abs. 26(7):3913-3914. Jan.1966. 241.8 M58
- 42071 RAVELL, C. Planning of the agrarian reform and community development. (Sp) Seminar. Programacion Admin. Reforma Agr. [Doc.] 1964:302-310. 282.9 Se54
Venezuela.
- 42072 REHNBERG, R. D. Community development; total resource development approach. State Soc. Conf. Church Leaders. Proc. 1964:155-162. 1965. 280.9 St27
- 42073 RENWICK, C. Essays in regional science. Newcastle, N.S.W., Hunter Val. Res. Found., 1965. 42 p. HC615.R4
River-basin planning including agricultural regions.
- 42074 SCHOLZ, H. Planning of adjacent regions. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15(15):475-480. Aug.16,1965. 280.9 B643I
- 42075 SMITH, G. H. National planning and the conservation of resources. In his Conservation of natural resources, ed.3, p.495-512, map. Ref. 1965. HC103.7.S56
Includes regional planning.
- 42076 SMITH, R. G. A geography of contemporary settlement of the Western Kenai Peninsula Alaska. Diss. Abs. 26(6):3240-3241. Dec. 1965. 241.8 M58
Agricultural settlement included.
- Institutions
- 42077 ABS, J. Thoughts on extension work today. (Ge) Mitt. Deut. Landwirt.-Ges. 79(47):1593-1594. Nov.19,1964. 18 N39
- 42078 ADAMS, A. E. Educated specialists and change in Soviet agriculture. Agr. Hist. 40(1):1-10. Jan.1966. 30.98 Ag8
- 42079 ALEXANDER, F. D. A critique of evaluation. J. Coop. Ext. 3(4):205-212. Winter 1965. 275.28 J82
Of teaching.
- 42080 ALLER, C. C. Training and retraining for human resource development. Agr. Policy Rev. 5(4):10-11. Oct./Dec.1965. 281.28 Ag82
- 42081 BAROOAH, S. R. Farmers' training in India. Fert. News. 10(12):61-64,75. Dec.1965. 57.8 F4123
- 42082 BLACKMORE, J. Creating needed institutions. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.142-154. 1965. HD1411.15
In economic growth.
- 42083 BLUME, G. Which college for me. Va. Polytech. Inst. Ext. Circ. 880, rev., 20 p., map. Sept. 1965. 275.29 V81C
- 42084 BOYET, W. E. Area complex and national park recreation demand projection. Diss. Abs. 26(6): 3081-3082. Dec.1965. 241.8 M58
- 42085 BRUCE, R. L. Research in brief. J. Coop. Ext. 3(4):239-242. Winter 1965. 275.28 J82
Tests for county agents.
- 42086 BURR, H. Improved training for advisers. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:139-142. Summer 1965. 241 G796

- 42087 BURTON, T. L. A day in the country; a survey of leisure activity at Box Hill in Surrey. *Chartered Surv.* 98(7):378-380, map. Jan. 1966. 325.8 C38
- 42088 CARDOZIER, V. R. Undergraduate academic achievement and teaching performance. *Md. Agr. Exp. Sta. Misc. Publ.* 559, 76 p. Ref. Sept. 1965. 100 M36M
In teaching vocational agriculture.
- 42089 CARRE, S. K. D. Women's position on a Yucatecan henequen hacienda. *Diss. Abs.* 26(6):2972. Dec. 1965. 241.8 M58
- 42090 CARVALHO, J. B. DE M. Institute of education and research and the universities. (Por) *Lavoura* 66:24-25. July/Sept. 1963. 9.2 L39
Agricultural.
- 42091 CORSO NAZIONALE PER I DIRETTORI E I TECNICI DEI CENTRI PROVINCIALI DI ASSISTENZE TECNICA DELL'INATEIA, ROMA, 1964. L'assistenza professionale agli agricoltori [Professional assistance to farmers]. Roma, Confederazione Generale dell'Agricoltura Italiana, 1964. 401 p. 281.9 C815
National Institute of Technical-Economic Assistance to Agricultural Entrepreneurs, Istituto Nazionale di Assistenza Tecnico-Economica per Imprenditori Agricoli (I.N.A.T.E.I.A.).
- 42092 CROSBY, J. E. International extension conference in the United States. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(4):110-111. 1965. 275.249 F26
- 42093 CULPEPPER, J. M. The legislative origins of peasant bondage in Muscovy. *Diss. Abs.* 26(6):3269. Dec. 1965. 241.8 M58
- 42094 CUNNINGHAM, T. S. 4-H Club health workbook, Unit 1. Okla. State Univ. Ext. Circ. E-767, 20 p. Nov. 1965. 275.29 Ok41C
- 42095 DEGRAFF, H. Excellent public relations depend on understanding agriculture's complexity. *ACE (Amer. Ass. Agr. Coll. Editors)* 48(1):2-5. July/Aug. 1965. 238 Am33A
Organization.
- 42096 DELFS-FRITZ, W. The German tropical farmer; way of a periodical. (Ge) *Z. Ausländische Landwirt.* 4(1):79-82. Feb. 1965. 281.8 Z32
The German Colonial School [Deutsche Kolonial schule] and the periodical *Der Deutsche Kulturpionier*.
- 42097 DONATO, G. Teaching in the activities of professional instruction and technical assistance in agriculture. (It) In *Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori*, p. 118-133. 1964. 281.9 C815
- 42098 EMENHISER, J. A. Should Utah reform its Justice of the Peace courts? *Farm Home Sci. [Utah Sta.]* 26(4):99-102, 128. Dec. 1965. 100 Ut1F
- 42099 ENIKOV, K. The organization of the Bulgarian Academy of Agricultural Sciences [Akademiya na Selskostopanskite Nauki]. 6 p. (JPRS 25,010; OTS 64-31446; CSO 2000-N) Transl. 14148
Translation from *Selskostopanska Nauka* 3(1):53-57. 1964. CFSTI: \$.50.
- 42100 EVANS, G. H. Teaching satisfactions in rural school areas of California. *Diss. Abs.* 26(7):3715. Jan. 1966. 241.8 M58
- 42101 FESTENSTEIN, G. N., and others. Self-heating of hay and grain in Dewar flasks and the development of farmer's lung antigens. *J. Gen. Microbiol.* 41(3):389-407. Ref. Dec. 1965. 448.3 J823
J. Lacey, F. A. Skinner, P. A. Jenkins, and J. Pepys, joint authors.
- 42102 FOLGER, J. K. Good schools for small communities. *Agr. Policy Rev.* 5(1):6-7. Jan./Mar. 1965. 281.28 Ag82
- 42103 GHENGHEA, V. From our experience with the education of new technical personnel in agriculture. (Rum) *Rev. Gosp. Agr. Stat* 17(9):15-17. Sept. 1965. 21 R32
- 42104 GIBBONS, J., and SHEPPARD, D. Communication of scientific and technological ideas in farming. *N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev.* 68:169-172. Summer 1965. 241 G796
- 42105 GLAENZER, D. The creation and development of the CETA at Geneva. (Fr) *Agr. Romande (ser.B)* 4(6):42-43. June 1965. 17 Ag8
- 42106 GODDARD, B. L. Challenge of changes met by local executive committees. *Sci. Farmer [Penn. Sta.]* 13(2):12. Winter 1966. 100 P381S
In county extension programs.
- 42107 GRETZER, W. Education and vocational possibilities of academically trained farmers in Denmark. (Ge) *Diplomlandwirt* 16(1):2,4,6. Jan. 1966. 18 D62
- 42108 GROSCHOFF, K. The use of Marxism-Leninism through the German Socialist Unity Party [Sozialistische Einheitspartei Deutschland]. (Ge) *Deut. Landwirt.* 12:6-8. 1965. 18 D4822
- 42109 GUTIERREZ, J. G. Agricultural vocational training in Spain. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(4):105-108. 1965. 275.249 F26
For farmers.
- 42110 HAAK, A. Education as a social function. (Ge) *Wissen Wirken* 10:7-22. 1965. 18 W762
- 42111 HALTVIK, M. Sogn jord- og hagebruksskule [Sogn Agricultural and Horticultural School]. *Yrkesfruktdyrking* 4:60-62. 1965. 80 Y83
- 42112 HAMILTON, N. B. The scientific literacy of seniors in urban, suburban, and rural high schools in Kentucky. *Diss. Abs.* 26(7):3701. Jan. 1966. 241.8 M58
- 42113 HAMLIN, H. M. The National Vocational Education Act of 1963. *Agr. Policy Rev.* 5(3):14-15. July/Sept. 1965. 281.28 Ag82
- 42114 HASSINGER, E. W. Changing health facilities in a changing society. *Agr. Policy Rev.* 5(1):12-13. Jan./Mar. 1965. 281.28 Ag82
- 42115 HERZ, H. ANUGA [General Food and Condiement Show, Allgemeine Nahrungs- und Genussmittell-Ausstellung]—a German agricultural show seen from outside. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(46):1787-1790. Nov. 18, 1965. 18 N39
- 42116 HOIBERG, O. G. Youth finding a meaningful life in the area. *State Soc. Conf. Church Leaders. Proc.* 1964:163-172. 1965. 280.9 St27
- 42117 HOOVER, N. K., and MCGEE, I. C. Expanded vocational training programs needed for off-farm agricultural occupations. *Sci. Farmer [Penn. Sta.]* 13(2):13. Winter 1966. 100 P381S
- 42118 HULDEN, A. New regulation of old-age provision of public employees and workers. (Ge) *Diplomlandwirt* 15(7):165-166, 168. July 1965. 18 D62
- 42119 KANSAS STATE UNIVERSITY. Kansas State University; a pictorial history, the first century, 1863-1963. Prepared as a memento of the University centennial celebration, edited by C. C. Howe. Manhattan, 1962. 192 p. S537.K3
- 42120 KAVOURAS, G. Rural people need help in adapting to change. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(4):112-114. 1965. 275.249 F26
In Greece.
- 42121 KIMMEL, D. C. The need for efficient extension services. (Sp) *Nuestra Tierra* 8(77):134-136. Sept./Oct. 1964. 8 N882
- 42122 KRIEL, A. F. The education of the farmer's son. (Af) *Wynboer* 409:52-54. Oct. 1965. 390.8 W724
- 42123 KRUGER, W. Thoughts on a contribution payment according to production in an advisory circle. (Ge) *Betriebswirtsch. Mitt. Wirtschaftsbereiter* 134:9-12. Nov. 15, 1965. 281.8 B462
- 42124 LADD, B. T. Training helps marginal farmers. *Employment Serv. Rev.* 3(1):8. Jan. 1966. 158.3 Em72

- 42125 LAIS, R. Agricultural shows in Europe. (Ge) Mitt. Deut. Landwirt.-Ges. 80(46):1757-1758. Nov.18,1965. 18 N39
- 42126 LANDWIRTSCHAFTSKAMMER SCHLESWIG-HOLSTEIN. Jahresbericht [Annual report], 1964/65. Plon, 1965. 156 p. 18 Sch33
- 42127 LARSON, G. Youth and age. State Soc. Conf. Church Leaders. Proc. 1934:173-186. 1965. 280.9 St27
- 42128 LEKLER, R. Activities of French Communist Party in farmer district. (Rus) Kommunist 2:99-106. Jan.1966. 280.8 B633
- 42129 LEWANSKI, R. C. Subject collections in European libraries; a directory and bibliographical guide. New York, Bowker, 1965. 789 p. Z789.L4
Agricultural collections included.
- 42130 LIAZZA, G. The method in professional instruction and technical assistance; analysis in operational techniques. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.105-117. 1964. 281.9 C815
- 42131 LINEBERRY, H. D. Future Farmers organize for action. Farm Safety Rev. 23(5):13-15. Sept./Oct.1965. 449.8 F22
- 42132 LOCATELLI, A. Structural characteristics of the provincial artisanship. (It) Sondrio. Com. Indus. Agr. Valtellina Val. Chiavenna 18 (11):3-7. Nov.1965. 287 So5
- 42133 MARINESCU, G., ALEXANDRESCU, I., and NICOLESCU, I. The state of agricultural specialists. (Rum) Rev. Statist. 14(6):42-48. June 1965. 287.8 St22
Higher and secondary agricultural education.
- 42134 MARTY, M. E. The function of religion in society. State Soc. Conf. Church Leaders. Proc. 1964:3-13. 1965. 280.9 St27
Comments by W. T. Janzoe, F. P. Register, and E. W. O'Rourke, p.14-21.
- 42135 MATHER, W. G. The future of the rural church. Sci. Farmer [Penn. Sta.] 13(2):2-3. Winter 1966 100 P381S
- 42136 MCCLURKIN, W. D. Nature, pace and needs in southern education. Agr. Policy Rev. 5(4):8-9. Oct./Dec.1965. 281.28 Ag82
- 42137 MCNAIR, V. E. Television in agricultural extension. Agr. Inst. Rev. 21(1):14-16. Jan./Feb.1966. 7 Ag8
- 42138 MISSEVILLE, G. Dynamics of putting people to work in agriculture and industry for the purposes of full employment; problems of professional education. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.134-147. 1964. 281.9 C815
- 42139 MODENA, M. P. Entrepreneurs and productivity in agriculture. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.207-219. 1964. 281.9 C815
Education of women for farm life.
- 42140 MOHR, K. Die Reform der Volksschule auf dem Lande [The reform of country elementary schools]. Munchen, Kosel, 1965. 117 p. (Schriften des Deutschen Instituts fur Wissenschaftliche Pädagogik) S535.G3M6
- 42141 MORGEN, H., SCHMIEL, M., and GARTNER, G. Die Landwirtschaftsschule in Gegenwart und Zukunft; eine soziographische, sozialpädagogische und sozialpolitische Studie [The agricultural school in present and future; a sociographic, social pedagogical, and social political study]. Agrarsoz. Ges. Schr. Landliche Soz. 47,150 p. Ref. 1965. 281.9 Ag862S
- 42142 MULLER, J. Landliche Schul- und Bildungspolitik im Zeichen der technisch-wissenschaftlichen Revolution [Rural school and educational policy in the period of the scientific and technical revolution]. Schwelm i. Westf., Schule & Nation, 1965? 190 p., map. Ref. (Schriftenreihe: Aktuelle Fragen der Deutschen Schule) LB1568.G3M8
- 42143 MYREN, D. T. Bibliography: communications in agricultural development. Londres, Mexico, 1965. 101 p. Z5630.M9
- 42144 NELSON, G. I. Social change and religious organizations of Meeker County. Minn. Agr. Exp. Sta. Sta. Bull. 477,56 p., map. 1965. 100 M66
- 42145 NELSON, G. I. Social change, reference groups and the self concept: a study of change in rural churches. Diss. Abs. 26(6):3522. Dec.1965. 241.8 M58
- 42146 OWERS, A. C. The Norfolk Agricultural Station. N. A. A. S. (Nat. Agr. Adv. Serv.) Quart. Rev. 68:143-146. Summer 1965. 241 G796
In Great Britain.
- 42147 PAETOW, K. Special problems in advisory work with large farms. (Ge) Betriebswirtschaft. Mitt. Wirtschaftsberater 134:13-15. Nov.15, 1965. 281.8 B462
- 42148 PALM, C. E. A new partnership and its challenge—the University of the Philippines-Cornell University Graduate Education Program. Cornell Int. Agr. Develop. Mimeogr. 11,9 p. 1964? 281.8 C814
Includes teacher training.
- 42149 PALME, O. Education in agriculture, horticulture and forestry. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:44-47. 11 Sw34
- 42150 PALMER, L. M. Press media session discusses excellence from three standpoints. ACE (Amer. Ass. Agr. Coll. Editors) 48(1):16-17. July/Aug.1965. 238 Am33A
Information to farmers.
- 42151 PICCOT, M. Organization and development of agricultural extension in Valais canton. (Fr) Agr. Romande (ser.B)4(6):43-45. June 1965. 17 Ag8
- 42152 PIZA, S. DE T. 40 years! (Por) Rev. Agr. [Piracicaba] 40(4):151-152. Dec.1965. 9.2 R324
Of the Revista de Agricultura.
- 42153 POPA, I. G. Evaluation of the new technical personnel. (Rum) Rev. Gosp. Agr. Stat 17(8):15-17. Aug.1965. 21 R32
Agricultural education.
- 42154 ROARK, F., and HODGKINS, B. J. Good grooming for girls; your appearance counts. La. State Univ. Ext. Ext. Publ. 1414,23 p. May 1965. 275.29 L93Ep
4-H Clubs.
- 42155 ROGERS, E. M., and HERZOG, W. Functional literacy among Colombian peasants. Econ. Develop. Cult. Change 14(2):190-203. Ref. Jan.1966. 280.8 Ec7226
- 42156 ROGERS, E. M. Mass media exposure and modernization among Colombian peasants. Public Opinion Quart. 29(4):614-625. Winter 1965/1966. 280.8 P962
- 42157 ROSSELET, J. Agricultural extension at a turning point? (Fr) Agr. Romande (ser.B)4(6):41. June 1965. 17 Ag8
- 42158 SAUER, H. M. Trends and effects on health services and facilities. State Soc. Conf. Church Leaders. Proc. 1964:124-131. 1965. 280.9 St27
Great Plains.
- 42159 STEVENSON, K. A. P. Agricultural universities; they meet rural India's special needs. Yojana 9(16):17-18. Aug.15,1965. 280.8 Y7
- 42160 TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The first step to good appearance, a clean body. Tenn. Univ. Ext. SP 143-g,8 p. Apr.1965. 275.29 T25Sp

- 42161 TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Here is how to look your best. Tenn. Univ. Ext. SP 143-e, 2 p. Apr. 1965. 275.29 T25Sp
- 42162 TIMMONS, J. D., and EVANS, B. M. Local government trends and effects. State Soc. Conf. Church Leaders. Proc. 1964:132-143, map. 1965. 280.9 St27 Great Plains.
- 42163 VILLOT, J. Tourism can help agriculture. (Fr) Agr. Prat. 129(11):20-22. Dec.1965. 14 J82
- 42164 WAGER, P. W. Local government in a growing economy. Agr. Policy Rev. 5(1):4-5. Jan./Mar. 1965. 281.28 Ag82 Southern States.
- 42165 WIEBE, G. D. Wiebe challenges editors on methods of using, interpreting communication research. ACE (Amer. Ass. Agr. Coll. Editors) 48(1):6-10. July/Aug.1965. 238 Am33A Includes agriculture, information sources.
- 42166 WILKENING, W. T. Factors associated with adjustment of foreign students studying extension education at selected land-grant institutions. Diss. Abs. 26(7):3732. Jan.1966. 241.8 M58
- 42167 WILSON, C. P. Types of education needed in view of trends. State Soc. Conf. Church Leaders. Proc. 1964:149-154. 1965. 280.9 St27 Great Plains.
- Leadership
- 42168 BANNING, J. W. The training and development of volunteer 4-H leaders (work group V). Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf., pt.3:145-157. 1964. 275.249 In87
- 42169 COLLINGS, M. L. The role of the professional extension worker in 4-H Club work (work group IV). Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf., pt.3:138-143. 1964. 275.249 In87
- 42170 PINNOCK, T. J. A comparison of the effectiveness of film and bulletin in transmitting knowledge to Negro 4-H Club local leaders in Alabama and Caucasian 4-H Club local leaders in Wisconsin. Diss. Abs. 26(6):3140-3141. Dec. 1965. 241.8 M58
- 42171 REDDY, A. A. Research on the influence of local leaders in the diffusion of improved agricultural practices (a review). Andhra Agr. J. 11(6):231-255. Ref. 1964. 34.2 An4 In extension work.
- Rural Organizations and Movements
- 42172 AITON, E. W. Impact of 4-H Club work on agriculture and rural life in the United States. Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf., pt.3:27-35. 1964. 275.249 In87
- 42173 CALIFORNIA STATE GRANGE. Journal of proceedings, ninety-third annual session, Bakersfield, California, 1965. n.p., 1965. 194 p. 4 C123
- 42174 CEREIA, A. Economic organization of production; marketing of agricultural products. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.254-271. 1964. 281.9 C815 Includes cooperatives.
- 42175 CLARKE, R. H. The politics of French agricultural syndicalism. Diss. Abs. 26(7):4046. Jan.1966. 241.8 M58
- 42176 DANIELE, M. Societies in agriculture. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.194-206. 1964. 281.9 C815 In Italy and other countries.
- 42177 DOWNEY, M. S., and KELLEY, MRS. F. How 4-H Club work is conducted in the United States; objectives and trends. Inter-Amer. Rural Youth Leaders' Conf. Proc., 4th Conf., pt.3:36-44. 1964. 275.249 In87
- 42178 FERRARI-AGGRADI, M. The development boards: aims, objects, organization. (It) Agricoltura 14(4):19-31. Apr.1965. 16 Ag8226
- 42179 LIDSTER, E. Provocative thoughts on 4-H. J. Coop. Ext. 3(4):229-233. Winter 1965. 275.28 J82 Programs in Wisconsin.
- 42180 NEDERLANDSCHE HEIDEMAATSCHAPLIJ. Jaarverslag [Annual report], 1964. Arnhem, 1965? 56 p. 12 N282M
- 42181 NIEL, A. R. VAN. 4-H youth work in Surinam, 1956-1964. (Du) Surinaamse Landbouw 13(5): 183-194. 1965. 9.6 Su7 English summary.
- 42182 ROHRER, W. C., and DAKIN, R. E. Voluntary associations under Great Plains conditions. State Soc. Conf. Church Leaders. Proc. 1964: 96-105. Ref. 1965. 280.9 St27 Sociological aspects.
- 42183 WARNER, W. K. Membership participation in voluntary organizations. Wis. Agr. Exp. Sta. Res. Bull. 263, 29 p. Oct.1965. 100 W75
- 42184 WASHINGTON STATE GRANGE. Proceedings of the seventy-sixth annual session, Pasco, Washington, June 7-11, 1965. n.p., 1965. 368 p. 4 W274
- Cooperative Organizations
- 42185 ALMANAQUE de la cooperacion [Almanac of cooperation], 1965. Buenos Aires, 1965. 224 p. 280.28 AL63
- 42186 BALLENDUX, A. H. Peculiarities of agricultural cooperation in developing countries. (Ge) Z. Gesamte Genossenschaftswesen 15(4):327-339. Ref. Fourth Q.1965. 286.8 Z3 English summary.
- 42187 BROCHER, C. A necessity: education; a means: education by correspondence. (Fr) Coop. Agr. [Paris] 12(136):29-30. May 1965. 280.28 C78972
- 42188 CANADA, DEPT. OF AGRICULTURE. ECONOMICS BR. Co-operation in Canada; 32nd annual summary, 1963. Ottawa, 1965. 33 p. 280.29 C7827
- 42189 CHAO, C. C. Small to medium size enterprises and economic development. (Ch) Co-op. Quart. 3(3):47-50. Sept.30,1965. 280.28 Q2 On cooperatives.
- 42190 CHUNG HUA MIN KUO OU-MEI HOTSO SHIH YEH YU HAO FANG WEN TUAN. Ou-Mei ho tso shih yeh k'ao ch'a pao kao [A report of an investigation of cooperatives in Europe and the United States]. T'ai-pei. Chung-kuo ho tso shih yeh hsieh hui, T'ai-wan sheng fen hui, 1965. 136 p. 280.28 H652
- 42191 THE COOPERATIVE movement in Italy. Ital. Doc. Notes. 14(4):343-352. July/Aug.1965. 280.8 It13
- 42192 COOPERATIVES U.S.A. 1963-1964. Chicago, Cooperative League of the USA, 1965. 63 p. 280.28 F112 Farmer cooperatives included.
- 42193 DOSHI, H. G. Activation of village industrial co-operatives. Maharashtra Co-op. Quart. 49(1):41-45. July 1965. 280.28 B63
- 42194 FALLON, E. H. The AGWAY story. Co-op Grain Quart. 23(3):49-52, map. Fall 1965. 280.28 C7898 Farmer owned cooperative.
- 42195 FIJI, REGISTRAR OF CO-OPERATIVE SOCIETIES. Annual report for the year 1963. Suva, 1965. 16 p., map. (Legislative Council of Fiji. Council Paper No. 5 of 1965) 280.29 F47

- 42196 GOKHALE, V. V. The Sangli record. Yojana 10(1):51-53. Jan.26,1966. 280.8 Y7 Cooperation in India.
- 42197 HATTA, M. The development of coopération in Indonesia. (Ge) Z. Gesamte Genossenschaftswesen 15(4):351-355. Fourth Q.1965. 286.8 Z3
- 42198 KERN, E. E. Farmer co-ops in Alabama. Highlights Agr. Res. [Ala. Sta.] 12(4):14. Winter 1965. 100 AL1H
- 42199 LECOMTE, M. The problem of the agricultural cooperative in Central Africa. (Fr) Ann. Gembloux 71(2):113-116. Second Q. 1965. 13 G28
- 42200 LI, H. H. A comparative study on systems of cooperative administration. (Ch) Co-op. Quart. 3(3):16-22. Ref. Sept.30,1965. 280.28 Q2
- 42201 LOU, C. H. A psychological study of cooperative members. (Ch) Co-op. Quart. 3(3):25-29. Sept.30,1965. 280.28 Q2
- 42202 MAUNG, M. Agricultural co-operation in Burma: a study on the value-orientation and effects of socio-economic action. Soc. Econ. Stud. 14(4):321-338. Dec.1965. 280.8 So125
- 42203 MILLIMAN, T. E., and SAGE, F. E. The GLF story 1920-1964, a history of the Cooperative Grange League Federation Exchange, inc. Ithaca, Wilcox Press, 1964. 470 p. Ref. HD1485.C6M5
- 42204 NAKAOKA, S. E. The agricultural co-operative in socialist Egypt. Develop. Econ. 3(2):173-194. Ref. June 1965. 280.8 D493
- 42205 PAKISTAN ACADEMY FOR RURAL DEVELOPMENT. A new rural co-operative system for Camilla thana; fourth annual report, Rural Co-operative Pilot Experiment, May 1965, by A. Aziz Khan. Comilla, East Pakistan, 1965. 116 p. 280.29 P173
- 42206 PREUSS, W. Cooperative activity in Israel in the years 1963 and 1964. (Ge) Z. Gesamte Genossenschaftswesen 15(4):346-350. Fourth Q.1965. 286.8 Z3
- 42207 RUZZENENTI, G. Agricultural cooperation as instrument for the protection of production. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.185-193. 1964. 281.9 C815
- 42208 RYAN, J. C. Co-operatives in Asia: recent developments and trends. Int. Labour Rev. 92(6):462-475. Dec.1965. 283.8 In8
- 42209 SHEASHA, T. I. A. A study of selected cooperative approaches and concepts. Diss. Abs. 26 (7):3664-3665. Jan.1966. 241.8 M58 Agricultural.
- 42210 TANABE, K. Nihon nogyo kyodo-ka no keitai to kino [The form and function of Japanese agricultural cooperativization]. Tokyo, Fuji Shuppan, 1965. 244 p. HD1491.J3T3
- 42211 UNITED CO-OPERATIVES OF ONTARIO. 1965 annual report. Weston, 1965. 13 p. 280.29 Un39
- 42212 WISSMAN, R. A., and KORZAN, G. E. The role of borrowed funds in Oregon cooperatives. Oreg. Agr. Exp. Sta. Circ. Inform. 622,24 p. Dec.1965. 100 Or3C
- 42213 WU, K. K. The precis of the cooperative method. (Ch) Co-op. Quart. 3(3):3-15. Sept.30,1965. 280.28 Q2
- RURAL SOCIAL PSYCHOLOGY
- 42214 ARROYO, R. Estudio sobre el proceso de difusión y adopción de los maíces híbridos: La Vanguardia [Study on the process of diffusion and adoption of hybrid corn: La Vanguardia]. Pergamino, Estac. Exp. Agropecuar. Bol. Divulg. 33,44 p. May 1965. 102.5 P413B
- 42215 BRIEN, J. P., WRIGLEY, J. F., and JARDINE, R. A study of some personal and social factors in relation to farmer performance. Rev. Marketing Agr. Econ. 33(3):126-146. 1965. 286.8 N47M Attitudes to communications, in Australia.
- 42216 DAHLER, J. Ideas and experiences on the problem of different generations. (Ge) Grune 93(31):1099-1100. July 30,1965. 17 Sch9
- 42217 DEZ, J. A problem in rural development; evolution of attitudes. (Fr) Bull. Madagascar 15 (230):589-641. July 1965. 280.8 B876
- 42218 FULCOMER, D. M. The family as the reflector and creator of change: trends and effects. State Soc. Conf. Church Leaders. Proc. 1964: 85-95. 1965. 280.9 S527
- 42219 HINE ALVARADO, D. Group versus individual demonstration methods in six communities of Costa Rica. (Sp) Turrialba 15(4):355-357. Ref. Oct./Dec.1965. 8 T86 English summary. Farmer's attitude to extension work in coffee pruning.
- 42220 PRESSER, H. A., and RUSSELL, H. M. Acceptance of research results by farmers. Rev. Marketing Agr. Econ. 33(3):147-165. Sept. 1965. 286.8 N47M Farmers attitudes in Australia.
- 42221 SHANNON, L. W. Overcoming cultural restraints. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.66-80. Ref. 1965. HD1411.15 Values and behavior.
- 42222 SINGH, A., and KAUFMAN, H. F. A behavioral approach to agricultural development, a review of literature and suggestions for research. State Coll., Miss., 1965. 77 p. Ref. (Mississippi State University. Social Science Research Center. Preliminary Report No.7) Z7164.S68S5
- 42223 SOUTHERN REGIONAL COMMITTEE FOR FAMILY LIFE. Educational and vocational goals of rural youth in the South. Southern Coop. Ser. Bull. 107,34 p. Ref. Sept.1965. 100 G29S0
- 42224 STEFANI, A. DE. The rural component. (It) G. Agr. 76(6):57. Feb.6,1966. 16 It1G On the man-land relationship.
- 42225 WARNER, W. K. Problems of participation. J. Coop. Ext. 3(4):219-228. Ref. Winter 1965. 275.28 J82 Participation in voluntary work.
- TRADE, FOREIGN AND INTERNATIONAL
- 42226 AFGANISTAN. MINISTRY OF COMMERCE. STATISTICAL DEPT. A summary of Afganistan's foreign trade in 1343 (March 22, 1964 through March 20, 1965). Kabul, 1966. 9 p. 269.8 Af32S Includes agricultural products.
- 42227 AHLUWALIA, C. S. Upsurge in Canadian economy. J. Indus. Trade 15(8):1201-1203. Aug. 1965. 286.8 J824 Includes trade with India in agricultural products.
- 42228 ATHANASSATOS, D. Tobacco: Greece's vital agricultural export. Tobacco [New York] 162 (4):22-23. Jan.28,1966. 286.89 T552
- 42229 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Australian exports, 1964-65, bulletin No. 7. Canberra, 1965. 411 p. 271 Au72Aue
- 42230 BÄELUM, J. Trends in poultry production. (Da) Landbonyt 19(6):238-240. June 1965. 11 L2322 Chiefly on the export of eggs and broilers.
- 42231 BANDINI, M. The agricultural European Common Market. (It) Ital. Agr. 102(7):565-566. July 1965. 16 It1

- 42232 BARCELONA. CAMARA OFICIAL DE COMERCIO Y NAVEGACION. Memoria sobre el estado de los negocios y el movimiento comercial e industrial de Cataluna [Report on the state of business and the commercial and industrial movement of Catalonia, 1964. Volume II, part 2]. Barcelona, 1965. 912 p. 287 B23 Trade statistics.
- 42233 BOWERS, R. E. American diplomacy, the 1933 wheat conference, and recognition of the Soviet Union. *Agr. Hist.* 40(1):39-52. Jan. 1966. 30.98 Ag8 Trade.
- 42234 BRAZIL. SERV. DE ESTATISTICA ECONOMICA E FINANCEIRA. Comercio de cabotagem do Brasil por principais mercadorias—exportacao [Coastal navigation of Brazil by principal commodities—exports], 1963. Rio de Janeiro, 1965. 119 p. 255.3 Es84Ca
- 42235 BRITISH HONDURAS. Trade report for the year 1964. Belize City, 1965. various paging. 286.9 B7732 Includes agricultural products: statistics.
- 42236 BROMBERGER, S., and LECERF, J. An almost romanticized tale from *Le Figaro*. (It) *G. Agr.* 76(3):27-28. Jan. 16, 1966. 16 It1G Organization of the European Common Market.
- 42237 CAMPBELL, D. I. Free trade in Australian farm products. *Can. Dep. Agr. Econ. Br. Agr. Abroad* 20(5):53-57. Oct. 1965. 281.9 C1642A Agreement with New Zealand.
- 42238 CAVAZZUTTI, B. Agriculture and international exchange. (It) In *Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA*. L'assistenza professionale agli agricoltori, p. 238-253. 1964. 281.9 C815
- 42239 CEYLON. DIRECTOR OF COMMERCE. Administration report for 1963-64. Colombo, 1965. 85 p. 272 C334 Text also in Sinhalese. Includes trade in agricultural products.
- 42240 CVETKOVIC, V. Import and export of food products by Yugoslavia in 1959-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 396:97-116. Ref. Oct. 13, 1965. (JPRS 32,382; TT 65-32872) 173 J663Ste Translation from *Jugoslovenski Pregled* 5: 176-182. May 1965.
- 42241 DENMARK. STATENS PLANTETILSYN. Statistik over frugteksporsten [Statistics of fruit export], 1964-1965. Kobenhavn, 1965. 8 p. 257.1 St22
- 42242 DICANDER, G. Rise in Sweden's imports ending. *Tea Coffee Trade J.* 130(1):66. Jan. 1966. 68.8 T22 Coffee.
- 42243 ECONOMIC COMMISSION FOR LATIN AMERICA. A contribution to economic integration policy in Latin America. Mexico City, 1965. 185 p. (United Nations. E/CN.12/728) HC125.E32 Agriculture included.
- 42244 FAIRLIE, S. The nineteenth-century Corn Law reconsidered. *Econ. Hist. Rev.* 18(3):562-575. Dec. 1965. 277.8 Ec7
- 42245 GAL-EDD, I. Israel's foreign trade policy. *Israel Export Trade J.* 17(11):12-13. Nov. 1965. 286.8 Is7 Includes agricultural products.
- 42246 GARCIA PALACIOS, A. International trade in olive oil. (Sp) *Agricultura [Madrid]* 34(395): 134-138. Mar. 1965. 15 Ag84
- 42247 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Systematische verzeichnisse; Warenverzeichnis für die Aussenhandelsstatistik, Ausgabe 1966 [Systematic indexes; commodity index for foreign trade statistics, 1966 edition]. Stuttgart, 1966. 567 p. 286.9 G312
- 42248 GOMEZ-JARAMILLO, A. Another look at I.C.A. [International Coffee Agreement] objectives. *Tea Coffee Trade J.* 130(1):20,50. Jan. 1966. 68.8 T22
- 42249 GREAT BRITAIN. COMMONWEALTH ECONOMIC COMMITTEE. Commonwealth trade, 1964. London, 1965. 102 p. 256.03 C73
- 42250 HEIBER, J. On the customs union of the European Economic Community. (Ge) *Molk.-Zeitung Welt Milch* 19(16):465-467. (Cont.) Apr. 23, 1965. 44.8 M735
- 42251 HENRYS, A. The wheat market dominated by purchases of the Eastern Countries. (Fr) *Economie* 21(989):14-16. Jan. 7, 1966. 280.8 Ec726
- 42252 HOPE, C. R. Market development aspects of P. L. 480. *Great Plainsman* 700(3):3-5. Nov. 1965. 280.38 G79
- 42253 HOPE, C. R. P. L. 480; what is it. *Great Plainsman* 700(2):3-5. Oct. 1965. 280.38 G79
- 42254 HORIN, Y. Ties with the Common Market. *Agr. Israel* 10(9):51-50. June 1965. 22.5 Ag825
- 42255 INDIA'S foreign trade. *J. Indus. Trade* 15 (8):1283-1290. Aug. 1965. 286.8 J824 Statistics; includes agricultural products.
- 42256 IOANES, R. A. Communist wheat-buying is now a big factor in world trade. *Co-op Grain Quart.* 23(3):25-28. Fall 1965. 280.28 C7898
- 42257 KEESING, D. B. Thailand and Malaysia, a case for a common market? *Malayan Econ. Rev.* 10 (2):102-113. Ref. Oct. 1965. 280.8 M29 Complementarities in agriculture discussed.
- 42258 KENYA. MINISTRY OF ECONOMIC PLANNING AND DEVELOPMENT. STATISTICS DIV. Statistical abstract 1965. Nairobi, 1965. 125 p. 270 K4272 Includes trade of agricultural products.
- 42259 LICHTENSTEIN, S. Research revolution puts U.S. soybeans on move. *Int. Com.* 72(7):8-11. Feb. 14, 1966. 157.54 F763 Trade.
- 42260 LIM, Y. Export industries and pattern of economic growth in Ceylon. *Diss. Abs.* 26(6):3076. Dec. 1965. 241.8 M58 Agricultural products trade.
- 42261 MACEACHERN, G. A. The relative position of Canadian agriculture in world trade. (Excerpts.) *Grain Rev.* 4(1):1-4. Jan. 1966. 286.81 G767
- 42262 MACKIE, A. B. Economic growth in relation to trade. In *Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture*, p. 246-268. Ref. 1965. HD1411.15
- 42263 MALAYSIAN market. (Fr) *Marches Trop. Mediter.* 21(1028):1775-1888, map. July 24, 1965. 286.8 M33 Chiefly trade in agricultural products, equipment and food.
- 42264 MAUQUOY, L. Developments in the meat market in Belgium during the year 1964. (Fr) *Rev. Agr. [Brussels]* 18(11/12):1331-1352. Nov./Dec. 1965. 13 R322 Trade statistics.
- 42265 MOORE, D. C. The Corn Laws and high farming. *Econ. Hist. Rev.* 18(3):544-561. Dec. 1965. 277.8 Ec7
- 42266 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH (INDIA). Export prospects of fish and fish products. New Delhi, 1965. 129 p. SH299.N3 Includes fishmeal.
- 42267 NORTHERN IRELAND. MINISTRY OF COMMERCE. Summary of the trade of Northern Ireland for the years 1962, 1963 and 1964. Belfast, 1965. 37 p. 256.13 C73
- 42268 OLDENBANNING, L. G. The EEC in the surge. (Du) *Landbouwkundig Tijdschr.* 77(14):511-512. Aug. 1965. 105.2 Or3

- 42269 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Trade by commodities, detailed analysis by products, January-December 1964. Paris, 1965. (Series C) 2 v. 286.9 Or32Oc
Text also in French.
- 42270 PAGANI, F. Economic problems of the Common Market. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.220-237. 1964. 281.9 C815
Trade.
- 42271 PAPUA AND NEW GUINEA. BUR. OF STATISTICS. Oversea trade year ended 30th June, 1965. Papua New Guinea. Bur. Statist. Bull. 10,338 p. 1965. 286.9 P194
- 42272 PRODUKTSCHAP VOOR SIERGEWASSEN. [Annual report of the Production Board for Ornamental Plants. Supplements], 1964. n.p., 1965. 74 p. 1965. 86 P94
Chiefly export of bulbs and flowers.
- 42273 ROSCHWALB, S. Cattle roundups go global; U.S. cattle traders find green pastures in expanding markets overseas. Int. Com. 72(9):15-17. Feb.28,1966. 157.54 F763
Dairy cattle.
- 42274 RUNCIMAN, A. M. World markets and Canadian agriculture. Can. Agr. Chem. Ass. [Proc.], 13th Annu. Meeting Conf.:69-82. 1965. 381 C163
- 42275 SACHS, M. Summing up the export season. Agr. Israel 10(9):51. June 1965. 22.5 Ag825
Citrus.
- 42276 SACHUR, M. The trade policy "skimming off" —the system. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(4):697-712. 1965. 18 G31
German trade in the European Common Market.
- 42277 SAO PAULO. DEPT. DE ESTATISTICA DO ESTADO. Anuario [Annual], 1963. various paging. Sao Paulo, 1965. 255.3 Sa67
Trade statistics included.
- 42278 SCHONBERG, R. Finland's multilateral system of trade. Finn. Pap. Timber 16(9):156, 158. 1965. 302.8 F49
Includes agricultural products.
- 42279 SPAIN. DIRECCION GENERAL DE ADUANAS Estadística del comercio exterior de España, 1964. Tomo I [Statistics of the foreign trade of Spain, 1964. Volume I]. Madrid, 1965? 1159 p. 263 C76E
- 42280 SPILMAN, H. A. Sale of reconstituted milk in foreign countries. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Bull. 8:43-51. Dec.1964. 281.9 IL62B
- 42281 STEIN, E. Canned fruit and vegetables in the foreign trade of the Belgian-Luxembourg Economic Union. (Ge) Indus. Obst- Gemuseverwertung 51(1):8-11. Jan.6,1966. 389.8 K832
- 42282 STRACKBEIN, O. R. Farm interests and "Kennedy Rounds's" watch highly secret tariff list. Citrus Veg. Mag. 29(5):23-24. Jan.1966. 80 C498
- 42283 SWEDEN. STATISTISKA CENTRALBYRAN. Utrikeshandel [Foreign trade], 1964. I. Stockholm, 1965. 591 p. 257.3 St2Ha
Table of contents and some table headings also in English.
- 42284 SWEGLE, W. E. European trade winds are blowing. Nation's Agr. 41(1):14-17,23. Feb. 1966. 280.82 B89
Outlook with the European Common Market.
- 42285 THASSITIS, B. Surplus still plagues Oriental tobacco trade. Tobacco [New York] 162(4):11-14,16. Jan.28,1966. 286.89 T552
- 42286 TRETIAK, D., and TRETIAK, L. D. Moscow's trade with Asia. Far East. Econ. Rev. 51(5): 204-208. Feb.3,1966. 280.8 F223
Includes agricultural products; statistics.
- 42287 VALLES, E. Angola fruit on the foreign market. (Por) Gaz. Agr. Angola 10(9):482-484, 506. Sept.1965. 24 G252
- 42288 VAZ, J. T. More on the International Coffee Agreement. (Por) Gaz. Agr. Angola 10(9):493-494. Sept.1965. 24 G252
- 42289 VOSSIUS, A. South Tirolian fruit goes mainly to the Federal Republic. (Ge) Obst Gemuse 30(1):9-10. Jan.1966. 286.83 Ob72
- 42290 WALKER, J. J. N.Z. dairy exports are helped by quality control in Britain. New Zeal. J. Agr. 111(7):56-57,59. Dec.1965. 23 N48J
- 42291 ZABOKLICKI, Z. Export of breeding, sporting and remount horses from State studs. (Pol) In Kon polski; hodowla, sport, eksport, p.40-43. 1965. 42 K833
- 42292 ZAFRA, U. A. Problems in export promotion. Sugar News [Manila] 41(11):702,704. Nov.1965. 65.8 Su36
- 42293 ZAKRZEWSKI, W. Export of horses raised on private farms. (Pol) In Kon polski; hodowla, sport, eksport, p.44-45. 1965. 42 K833
Chiefly draft horses.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 42294 AAES-JORGENSEN, E. Unsaturated fatty acid isomers in nutrition. *Nutr. Rev.* 24(1):1-5. Jan.1966. 389.8 N953
Literature review.
- 42295 AVILES C., M. A. Training of masters in nutrition and horticulture in Esteli. (Sp) *Nuestra Tierra* 8(77):145-149. Sept./Oct.1964. 8 N882
- 42296 BRIN, M., and others. Some preliminary findings on the nutritional status of the aged in Onondaga County, New York. *Amer. J. Clin. Nutr.* 17(4):240-258. Ref. Oct.1965. 389.8 J824
M. V. Dibble, A. Peel, E. McMullen, A. Bourquin, N. Chen, S. Braddon, M. Rogers, N. Van Buren, and D. Holden, joint authors.
- 42297 GRAHAM, G. G., CORDANO, A., and BAERTL, J. M. Studies in infantile malnutrition. IV-V. *Amer. J. Clin. Nutr.* 18(1):11-19. Ref. Jan. 1966. 389.8 J824
- 42298 HANKIN, M. E. Infant feeding. *Food Nutr. Notes Rev.* 22(5/6):47-55. Ref. May/June 1965. 389.9 Au73
Literature review.
- 42299 HEGSTED, D. M. World protein deficiencies and human health. *Nat. Res. Counc. Agr. Res. Inst. Proc.*, 14th Annu. Meeting:29-39, map. Ref. 1965. 4 N2122
- 42300 HILL, M. M. Nutrition committee [American Home Economics Association] members meet with ICNE [Inter-Agency Committee on Nutrition Education] at Atlantic City. *Nutr. Program News*, July/Aug.1965, 4 p. 1.982 A2N955
Programs and teaching.
- 42301 HODGES, R. E., and KREHL, W. A. Nutritional status of teenagers in Iowa. *Amer. J. Clin. Nutr.* 17(4):200-210. Ref. Oct.1965. 389.8 J824
- 42302 KEISER, M. B., and SULLIVAN, J. A. Using ITV for food instruction. *J. Home Econ.* 58(3):202-204. Mar.1966. 321.8 J82
Instruction by television.
- 42303 KREHL, W. A., and HODGES, R. E. The interpretation of nutrition survey data. *Amer. J. Clin. Nutr.* 17(4):191-199. Ref. Oct.1965. 389.8 J824
- 42304 LUYKEN, R. Nutritional status of two population groups in Surinam. (Du) *Surinaamse Landbouw* 13(5):211-213. 1965. 9.6 Su7
English summary.
Deficiencies in children and old people.
- 42305 MACNEIL, J. H. Dried ingredients helpful in making poultry meat products. *Sci. Farmer [Penn. Sta.]* 13(2):11. Winter 1966. 100 P381S
Cookery.
- 42306 MEDVED, E. Television in nutrition education. *J. Home Econ.* 58(3):167-170. Mar.1966. 321.8 J82
For information.

- 42307 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Counting calories. *Mich. State Univ. Ext. Bull.* 500, 6 p.-folder. Sept.1965. 275.29 M58B
- 42308 OBEYESEKERE, I. Malnutrition among Ceylonese adults. *Amer. J. Clin. Nutr.* 18(1):38-45. Ref. Jan.1966. 389.8 J824
- 42309 SYMPOSIUM on some findings and observations on the nutritional status of residents of the U.S.A. *Amer. J. Clin. Nutr.* 17(4):189-276, map. Ref. Oct.1965. 389.8 J824
- 42310 TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The foods we need everyday. *Tenn. Univ. Ext. SP* 143-k, 8 p. Apr.1965. 275.29 T25Sp
- 42311 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Potatoes in family meals. *Wash. State Univ. Ext. E. M.* 2557, 2 p. June 1965. 275.29 W27Mi

NUTRITIVE AND VITAMIN CONTENT

- 42312 WITTMER, W. Changes in our nutrition; food in recent decades. (Ge) *L E (Lebensmittel Ernahr.)* 18(12):10-12. Dec.1965. 398.8 Z34
- 42313 ABRAMS, V. Yogurt—the invigorating cultured milk food. *Butter-fat* 43(3):7-8. Aug./Sept. 1965. 44.8 B98
- 42314 BHATTACHARYA, K. R. Enrichment of rice with riboflavin. *J. Food Sci. Technol. [Mysore]* 1(3):45. Oct.1964. 389.8 J823
- 42315 BUNTING, W. R. The stability of pyridoxine added to cereals. *Cereal Chem.* 42(6):569-572. Nov.1965. 59.8 C33
- 42316 DICKS, M. W. Vitamin E content of foods and feeds for human and animal consumption. *Wyo. Agr. Exp. Sta. Bull.* 435, 194 p. Ref. Dec.1965. 100 W99
Review of literature.
- 42317 HELLSTROM, V., and ANDERSSON, R. Det svenska mjölkfettets vitamin A-varde [Vitamin A content of Swedish milk fat]. *Var Foda* 8, 8 p. Ref. 1965. 389.8 V26
- 42318 LANGENDORF, H. The forms of vitamins in the natural environment. (Ge) *Deut. Lebensmittel-Rundsch.* 61(11):331-335. Ref. Nov.1965. 389.8 D482
- 42319 POLANSKY, M. M., and MURPHY, E. W. Vitamin B₆ components in fruits and nuts. *Amer. Diet. Ass. J.* 48(2):109-111. Ref. Feb.1966. 389.8 Am34
- 42320 SYMPOSIUM: Low-calorie foods. *Food Technol.* 20(1):37-42, 73-93. Jan.1966. 389.8 F7398
- 42321 SYMPOSIUM: The nutritional aspects of milk and milk products. 5-8. *Soc. Dairy Technol. J.* 19(1):3-30. (Cont.) Ref. Jan.1966. 44.8 Sd12
Contents: 5, The nutritive value of the non-fatty constituents of liquid milk and the effect thereon of processing, by J. W. G. Porter; 6, Milk fat in nutrition, by J. H. Moore; 7, The significance of milk in the diet, by A. E. Bender; 8, Milk and health, by J. A. Boycott.
Includes discussion.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 42322 ADVANCES in carbohydrate chemistry, volume, 20, edited by M. L. Wolfrom. New York, Acad. Press, 1965. 551 p. Ref. 381 Ad9
Literature review.
- 42323 ADVANCES in genetics, volume 13; edited by E. W. Caspari and J. M. Thoday. Advances Genet. 13, 378 p. Ref. 1965. 443 D39
- 42324 ADVANCES in lipid research, volume 3, edited by R. Paoletti and D. Kritchevsky. New York, Acad. Press, 1965. 263 p. Ref. 386.2 P192
Literature review.
- 42325 ADVANCES in virus research, edited by K. M. Smith and M. A. Lauffer. Volume 11. New York, 1965. 423 p. Ref. 448.8 Ad9
- 42326 ALLEN, P. H. Conservation for the greatest good. Forest Notes 87:16-17. Fall 1965. 99.8 F7691
- 42327 ALMANAQUE agricola Ceres, ano 1966 [Agricultural almanac Ceres 1966]. Vallodolid, 1965. 448 p. 15 AL6
- 42328 ANNUAL review of microbiology, volume 19, edited by C. E. Clifton, S. Raffel, and M. P. Starr. Palo Alto, 1965. 509 p. Ref. 448.3 An72
Includes cumulative indexes, vol.15-19; index of contributing authors and index of chapter titles, p.507-509.
- 42329 AUSTRIA. BUNDESMINISTERIUM FÜR LAND- UND FORSTWIRTSCHAFT. Tätigkeitsbericht [Report of activities of the Federal Ministry for Agriculture and Forestry], 1964. Wien, 1965. 123 p., map. HD1931.A9
- 42330 BRAU DE ZUZUARREGI, M. Birds useful and harmful to agriculture. (Sp) Rev. Agr. P. R. 49(2):38-58. July/Dec.1962. 8 R325
- 42331 BRAUCHER, R. L. Agricultural chemicals. West. Grower Shipper 36(11):87. Nov.1965. 280.38 W52
- 42332 BRITISH HONDURAS. DEPT. OF AGRICULTURE. Annual report for the year 1964. Belize City, 1965. 22 p. 8 B773
- 42333 CALENDARIO del payes [Calendar of the peasant], 1966. Barcelona, 1965. 98 p. 15 C12
- 42334 CANADIAN AGRICULTURAL CHEMICALS ASSOCIATION. 13th annual meeting and conference, Banff, Alberta, September 8th, 9th, 10th, 11th, 1965. n.p., 1965. 82 p. 381 C163
- 42335 CEYLON. DEPT. OF AGRICULTURE. Administration report for the financial year 1963-64. Colombo, 1965. 193 p. 22.5 C33R
Text also in Sinhalese.
- 42336 CHERKES, A. I. ed. Handbook on toxicology of toxic agents. 516 p. Ref. (JPRS: 31,527; TT: 65-32023; CSO: 1879-D.) 391 C423Ae
Translation of Rukovodstvo po Toksikologii Otravliaushchikh Veshchestv.
- 42337 COLORADO. DEPT. OF AGRICULTURE. 1963-1964 annual report. Denver, 1965? 108 p. 2 C713
- 42338 DAMBACH, C. A. Conservation of wildlife. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.391-413. Ref. 1965. HC103.7.S56
Includes wildlife on the farm.
- 42339 DAVIS, S., and ARNOLD, A. Applicability of an isotope exchange method for the determination of milligram and microgram quantities of organic mercurials. I. Pharmaceutical and agricultural mercurials. Ass. Offic. Agr. Chem. J. 48(6):1134-1138. Ref. Dec.1965. 381 As7
- 42340 DE, S. K. Practical agricultural chemistry. Allahabad, Narayan, 1965. 347 p. Ref. S585.D4
- 42341 DELAWARE. STATE BOARD OF AGRICULTURE. Annual report, fiscal year 1964-1965. Del. Board Agr. Bull. 55(9), 55 p. 1965. 2 D37B
- 42342 DRONAMRAJU, K. R. The function of the Y-chromosome in man, animals, and plants. Advances Genet. 13:227-310. Ref. 1965. 443 D39
Includes Drosophila and other insects.
- 42343 FIJI. DEPT. OF AGRICULTURE. Annual report for the year 1964. Suva, 1965. 40 p. 25 F47
- 42344 THE FORD almanac 1966, edited by J. Strohm. New York, Golden Press, 1965. 161 p. 30.3 F75
- 42345 FILOV, V. A. The determination of toxic chemicals in biological substrates. 270 p. Ref. (JPRS 31,585; TT 65-32081; CSO 3751-S) 464.4 F48Ae
Economic poisons in plant and animal tissues. Translation of Opredelenie Yadokhimikatov v Biologicheskikh Substratakh.
- 42346 GEORGE, J. L. Pesticide-wildlife studies by States, provinces, and universities; an annotated list of investigations through 1964. U. S. Fish Wildlife Serv. Circ. 224, 30 p. May 1965. 156.2 C49
Prepared for the Bureau of Sport Fisheries and Wildlife.
- 42347 GUNDERSON, H. Merchandising agricultural chemicals. Grain Feed J. 123(2):31. Jan.26, 1966. 298.8 G762
- 42348 HANSEN, R. M., and VAUGHAN, T. A. Plains pocket gopher studies. Colo. Agr. Exp. Sta. Colo. Progr. Rep. 164, 2 p. Aug.1965. 100 C71C
Includes control,
- 42349 HENNESSEY, J. Regional conservation. Forest Notes 87:3-5. Fall 1965. 99.8 F7691
Formation of the Upper Connecticut River Conservation Committee.
- 42350 HOU, T. P. Scientific-technical achievements of the Chinese chemical industry. 11 p. (JPRS 4517; CSO 1308-S) Transl. 14808
Agricultural chemicals included. Translation from K'o-hsueh Hsin-wen 30:22-25, 28. Sept.28, 1959.
Issued by CTSTI.
- 42351 KEY, W. W. Mineral fillers for the California pesticide industry. U. S. Bur. Mines Inform. Circ. 8260, 39 p., map. Ref. 1965. 156.61 C49
- 42352 KUMARI, E. Relationship between conservation of nature and conservation of landscape. (Es) Akad. Nauk Est. SSR. Izv. Ser. Biol. 2: 197-207. Ref. 1965. 442.9 Ak18
German summary.
- 42353 LANDBOUWGIDS [Agricultural guide], 1966. Utrecht, 1965. 624 p., map. 12 L239
- 42354 LINDGREN, S. A. Hazards to man from the use of economic poisons. (Sw) Stiftelse. Svenska Lantbruksveckan. Lantbruksveckan 1964:156-163. 11 Sw34
- 42355 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. The war that never ends, facts about pest control. La. State Univ. Ext. Publ. 1431, 15 p. July 1965. 275.29 L93Ep
Chiefly chemical control; includes reference to Pesticides Information Center.
- 42356 MALAWI. DEPT. OF AGRICULTURE. Annual report for the year 1962/63. II. Zomba, 1965. 157 p., map. 24 N98A
- 42357 MALMOHUS LANS HUSHALLNINGSSALLSKAP. Annual report of the Agricultural Society of Malmohus Province in 1964. (Sw) Malmohus Lans Hushallningssallsk. Kvartalsskr. 2:236-260. 1965. 11 M29

- 42358 MARAIS, P. G. Universal table for correcting for radioactive decay. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 36,10 p. Ref. 1965. 24 So863
In agricultural research.
- 42359 MARKS, J. J. MSU [Michigan State University] establishes Pesticide Research Center. Farm Chem. 128(4):20-21. Apr.1965. 57.8 Am3
- 42360 MCCARTY, H. H. Economics and conservation. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.25-41. Ref. 1965. HC103.7.S56
- 42361 MCLEAN, L. A. Pesticides, blessing or curse? Chicago? 1965. 11 p. 79 M22P
Public health aspects.
- 42362 MEL'NIKOV, N. N. Assortment of economic poisons produced in German Democratic Republic. (Rus) Khim. Sel'skom Khoz. 6:73-76. June 1965. 385 K524
- 42363 MORAS, H. Increasing complexity of the pesticide industry; the communications challenge. Can. Agr. Chem. Ass. [Proc.], 13th Annu. Meeting Conf.:17-26. 1965. 381 C163
- 42364 MORRISON, G. H., ed. Trace analysis; physical methods. New York, Intersci., 1965. 582 p. Ref. QD101.M6
Includes radioactive tracer methods in agricultural subjects.
- 42365 NAZARENKO, V. I. Application of economic poisons in USA. (Rus) Zemledelie 1:90-94. Jan.1966. 20 Z44
- 42366 NEILSON, C. L. Legislation and the agricultural chemical industry. Can. Agr. Chem. Ass. [Proc.], 13th Annu. Meeting Conf.:27-34. Ref. 1965. 381 C163
- 42367 NOLLER, C. R. Chemistry of organic compounds. Ed. 3. Philadelphia, Saunders, 1965. 1115 p. Ref. QD253.N65
Includes compounds of interest to agriculture.
- 42368 NORRBOTTENS LANS HUSHALLNINGSSALLSKAP. Report on the activities of Norrbotten Province Agricultural Society, 1964. (Sw) Norrbottens Lans Hushallningssallsk. Handl. 1964:33-91. 1965. 11 N79
- 42369 ONTARIO, DEPT. OF ENERGY AND RESOURCES MANAGEMENT. Otonabee Region conservation report, 1965: summary. Toronto, 1965. 152 p.,map. 279.9 On82
Includes soil types and land use, forestry policy, and recreation.
- 42370 PANEL discussion: problems and future horizons of the Canadian pesticides industry. Can. Agr. Chem. Ass. [Proc.], 13th Annu. Meeting Conf.:35-54. 1965. 381 C163
Moderator: D. K. Jackson; panel members: D. R. Fraser, A. L. Havard, and G. E. Willan.
- 42371 POPOV, P. V. Calculation of dosage of mixtures used as full additives, and independent biological activity of the components. (Rus) Khim Sel'skom Khoz. 3(8):73-79. Ref. Aug. 1965. 385 K524
Mixture of economic poisons.
- 42372 RADOV, A. S., PUSTOVOI, I. V., and KOROL'-KOV, A. B. Praktikum po agrokhimii [Laboratory manual on agricultural chemistry]. Moskva, Kolos, 1965. 375 p. S587.R3
- 42373 ROELOFS, E. W., and SCHAIBLE, P. J. Commercial fisheries [and] fur-bearing animals (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 41,6 p. Jan. 1966. 284.9 M58
Published jointly with Michigan Cooperative Extension Service.
- 42374 ROLLE, F. J. Birds and their importance to agriculture. (Sp) Rev. Agr. P. R. 49(2):59-66. July/Dec.1962. 8 R325
- 42375 ROSE, H. M. Conservation in the United States. In Smith, G. H., ed. Conservation of natural resources, ed.3, p.3-14. Ref. 1965. HC103.7.S56
- 42376 RYBAKOV, B. N. Application of polarography in analysis of economic poisons. (Rus) Khim. Sel'skom Khoz. 4(2):36-43. Ref. Feb.1966. 385 K524
- 42377 SEIBOLD, H. Developing an economic poison. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21 (1):11-12. Jan.15,1966. 58.8 D81
- 42378 SMITH, G. H., ed. Conservation of natural resources. Ed. 3. New York, Wiley, 1965. 533 p.,map. Ref. HC103.7.S56
- 42379 SMITH, W. The community colleges: training ground for farm supply employees. Feed Farm Supplier 40(3):36-39. Mar.1966. 47.8 H28
- 42380 UNANYANTS, T. P. Ekonomicheskaya effektivnost' khimizatsii sel'skogo khozyaistva [Economic effectiveness of chemistry in agriculture]. Moskva, Izdatel'stvo Ekonomika, 1964. 196 p. S585.U5
- 42381 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Effects, uses, control, and research of agricultural pesticides. Washington, 1965? 46 p. 79 Un38
- 42382 U. S. CONGRESS. SENATE. COMMITTEE ON GOVERNMENT OPERATIONS. Interagency coordination in environmental hazards (pesticides). Hearings, 88th Cong., 2d sess.; agency coordination study (pursuant to S. Res. 288, 88th Cong.); coordination of activities relating to the use of pesticides, April 7, 8, and 15, 1964. Part 9 (including exhibits). Washington, 1966. p.1669-2062. 395 Un34
Includes statements and testimony on the work of the Department of Agriculture.
- 42383 U. S. DEPT. OF AGRICULTURE. Summary of actions on pesticide programs. Washington, 1965. 11 p. A79 Ag8S
- 42384 U. S. FISH AND WILDLIFE SERV. Effects of pesticides on fish and wildlife; 1964 research findings. U. S. Fish Wildlife Serv. Circ. 226, 77 p. Ref. Aug.1965. 156.2 C49
- 42385 U. S. PUBLIC BUILDINGS SERV. Agriculture Administration Building. Washington, 1964. 18 p. (Its Historical Study, No.2) JK1637.A4U5
- 42386 VARMLANDS LANS HUSHALLNINGSSALLSKAP. Arsberattelse [Annual report of Varm-land Province Agricultural Society], 1964. Karlstad, 1965. 248 p. 11 V43
- 42387 WAGNER, O. What will the new plant protection law bring? (Ge) Lohnunternehmen Land-Forstwirtschaft. 20(12):264-266. Dec.15,1965. 58.8 D81
In relation to economic poison application.
- 42388 WHITE-STEVENS, R. Chemistry; the key to the future of agriculture. Nation's Agr. 40(3): 24,29. Mar.1966. 280.82 B89
- 42389 YURKEVICH, I. D., and SMALYAK, L. P. Problems in some subdivisions of biological science in the light of resolutions in the December Plenum of the Central Committee of CPSU. 15 p. (JPRS 25,812; TT 64-41083; CSO 9265-N) Transl. 14253
Translation from Beloruskaya Akademiya Navuk. Seriya Biyalahichnykh Navuk. Vestsi 1: 5-14. 1964.
CFSTI: \$1.00.

BIOGRAPHY

- 42390 A.F.M.A. [American Feed Manufacturers Association] Award. Poultry Sci. 44(6):1626-1627. Nov.1965. 47.8 Am33P
Given to Robert H. Harms for research in poultry nutrition.
- 42391 ALESSANDRO Ghigi is ninety years old. (It) Avicoltura 34(2):66-68. Feb.1965. 47.8 R523
- 42392 ALPAT'EV, A. V. Elizaveta Ivanovna Ushakova. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 12:132-134. Dec.1965. 20 V633

- 42393 AL'SMIK, P., and PETUKHOV, D. Anniversary of N. A. Dorozhkin. (Rus) *Kartofel' Ovo-shchi* 12:54-55. Dec.1965. 75.8 K147
- 42394 AMERICAN Feed Manufacturers' Association Award, 1965. *J. Anim. Sci.* 24(4):1240-1241. Nov.1965. 49 J82
Given to Elwyn R. Miller.
- 42395 AMERICAN Society of Animal Science Animal Breeding and Genetics Award, 1965. *J. Anim. Sci.* 24(4):1244-1245. Nov.1965. 49 J82
Given to Jay L. Lush.
- 42396 AMERICAN Society of Animal Science Animal Physiology and Endocrinology Award, 1965. *J. Anim. Sci.* 24(4):1248-1249. Nov.1965. 49 J82
Given to Lester Earl Casida.
- 42397 AMERICAN Society of Animal Science Distinguished Teacher Award, 1965. *J. Anim. Sci.* 24(4):1246-1247. Nov.1965. 49 J82
Given to Lyman J. Bratzler.
- 42398 AMERICAN Society of Animal Science Extension Award, 1965. *J. Anim. Sci.* 24(4):1242-1243. Nov.1965. 49 J82
Given to Reuben Albaugh.
- 42399 AMERICAN Society of Animal Science Honorary Fellows, 1965. *J. Anim. Sci.* 24(4):1252-1254. Nov.1965. 49 J82
R. B. Becker, R. F. Cox, B. F. Creech, R. E. Davis, E. G. Godbey, H. H. Leveck, R. C. Miller, and R. W. Philips.
- 42400 AMERICAN Society of Animal Science Meats Research Award, 1965. *J. Anim. Sci.* 24(4):1250-1251. Nov.1965. 49 J82
Given to J. William Cole.
- 42401 ANISIMOV, A. Ivan Stepanovich Melekhov. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 12:137. Dec.1965. 20 V633
- 42402 ANNOUNCING National Beef Feeder Award winners. *Feedlot* 8(3):11-15. Mar.1966. 43.8 F32
Leonard E. Johnson and Benedict Feeding Co.
- 42403 ARSTAL, E. Rein Henriksen will be 50 years old December 17. (No) *Norsk Skogindus.* 19(11):501-502. Nov.1965. 99.82 N81
- 42404 AVDONIN, N. S. Dimitrii N. Pryanishnikov (100th birthday anniversary). (Rus) *Moscow. Univ. Vestnik. Ser. 6, 5:3-11.* Sept./Oct.1965. 442.9 M854
- 42405 BACH, R. Professor Dr. Hans Pallmann, president of the Swiss School Council died. (Ge) *Schweiz. Z. Forstwesen* 116(12):1006-1011. Dec.1965. 99.8 J82
- 42406 BARBERIS, L. A. Luis A. Foulon, 1901-1963. (Sp) *Buenos Aires. Univ. Fac. Agron. Vet. Rev.* 15(3):103-104. 1963, pub.1965. 9 B863
- 42407 BEMMEL, A. C. V. VAN. In memoriam Ir. F. Appelmann. (Du) *Ardea* 53(3/4):238. Dec.1965. 413.8 Ar2
- 42408 BINDER, W. 60th birthday of Prof. Dr. A. Zeilinger. (Ge) *Bodenkultur* 16(1/2):I-II. Feb./May 1965. 19 B635
- 42409 BONNEMANN, A. On the memory of Christian Freiherr von Seebach, former royal chief forester in Uslar (Solling). (Ge) *Forst- Holzwirt* 20(24):563-565. Dec.28,1965. 99.8 F7724
Includes list of publications.
- 42410 BORDEN Award. *Poultry Sci.* 44(6):1624-1625. Nov.1965. 47.8 Am33P
Given to M. L. Scott for contribution to poultry science.
- 42411 BOUWMEESTER, J. P. DEN. In memoriam R. H. de Haan. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(5):279. May 1965. 86 N384
- 42412 BURGOYNE, D. A. Former Director [Utah Agricultural Experiment Station] dies. *Farm Home Sci. [Utah Sta.]* 26(4):131-132. Dec.1965. 100 U1F
Dr. P. V. Cardon.
- 42413 C. VERHEIJ +. (Du) *Zaadbelenen* 19(11):221. June 15,1965. 61.8 Z1
- 42414 CAMPBELL, I. L. Memorial address: William Riddet, of Massey. *New Zeal. Soc. Anim. Prod. Proc., 25th Annu. Conf.*:13-25. 1965. 49.9 N483
- 42415 CASTAGNOU, M. Alain de Mullet de Villenaut (1900-1965). *Rev. Forest. Franc.* 17(11):787-788. Nov.1965. 99.8 R329
- 42416 CICCARONE, A. Jean A. Sarejanni, 1898-1962. *Phytopathol. Mediter.* 4(1):62. May 1965. 464.8 P565
- 42417 CLIFF Dean Carpenter. *Poultry Sci.* 44(6):1618-1619. Nov.1965. 47.8 Am33P
Necrology.
- 42418 COHEN, B. M. The descent of Lysenko. *J. Hered.* 56(5):229-233. Sept./Oct.1965. 442.8 Am3
- 42419 COLEMAN, B. B. Walter Conrad Muenschner, 1891-1963. *Brittonia* 17(3):193-201. July 1965. 450 B77
Includes list of published works.
- 42420 CONSERVATION profile. *Forest Notes* 86:20. Summer 1965. 99.8 F7691
Jeffrey P. Smith.
- 42421 CONSERVATION profile. *Forest Notes* 87:15. Fall 1965. 99.8 F7691
Sargent Goodhue.
- 42422 D. B. MABRY elected president the Railway Tie Association. *Cross Tie Bull.* 46(11):37. Nov. 1965. 99.82 C87
- 42423 DOMOKOS, J. Jozsef Schneider 1888-1963. *Acta Agron. [Budapest]* 15(3/4):387-388. 1965. 19 Ac8
- 42424 DR [C. D.] CARPENTER dies of heart attack. *Gobbles* 20(5):10. Sept.1965. 47.8 M66
- 42425 ED LEIGH McMillan presented forestry award. *Ala. Forest Proc.* 8(10,i.e.11):5-6. Nov.1965. 99.82 AL1
By the Society of American Foresters.
- 42426 EDUARD Schmid, district forester died. (Ge) *Schweiz. Z. Forstwesen* 117(1):78-79. Jan. 1966. 99.8 J82
- 42427 EFIM Mikhailovich Fateev. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 12:154. Dec.1965. 20 V633
- 42428 80 YEARS old. (No) *Norsk Skogindus.* 19(11):501. Nov.1965. 99.82 N81
Johan Getz.
- 42429 ERNST Staffelbach, chief district forester of Luzern died. (Ge) *Schweiz. Z. Forstwesen* 116(12):1004-1005. Dec.1965. 99.8 J82
- 42430 FELLOWS. *Poultry Sci.* 44(6):1631-1635. Nov.1965. 47.8 Am33P
A. M. Guhl, D. F. King, A. J. G. Maw, C. S. Shaffner, and J. W. Sicer.
- 42431 FITINA, L. Nikolai Fedorovich Popov. (Rus) *Vestnik Sel'skokhoz. Nauk [Moscow]* 12:135-136. Dec.1965. 20 V633
- 42432 FLURI, R. Prof. Dr. W. H. Schopfer, 1900-1962. (Ge) *Pathol. Microbiol.* 28(6):1032-1034. 1965. 448.8 Sch9
- 42433 FRANK, R. G. Ing. Agr. Luis Alberto Foulon, 1901-1963. (Sp) *Buenos Aires. Univ. Fac. Agron. Vet. Rev.* 15(3):101-102. 1963, pub.1965. 9 B863
- 42434 GEORGE A. Abrams. *Gleanings Bee Cult.* 93(11):693. Nov.1965. 424.8 G47
- 42435 GEORGE Abrams, beekeeping authority, dead. *Amer. Bee J.* 105(11):429. Nov.1965. 424.8 Am3
- 42436 GLARBO, P. Rs. Sigvardt in memoriam. (Da) *Erhvervsfrugtavlere* 32(7):291. July 1,1965. 80 Er3
- 42437 GRESIKOVA, M. Academician Yevgeny Nikanorovich Pavlovsky, 1884-1965. *Acta Virologica* 9(6):559. Nov.1965. 448.3 Ac85
- 42438 HASSID, W. Z. In memoriam, David Powell Hackett 1925-1965. *Phytochemistry* 4(6):993-995. Nov.1965. 450 P5622

- 42439 HELMAN, M. Dr. Daniel Inchausti, 1886-1962. (Sp) Buenos Aires. Univ. Fac. Agron. Vet. Rev. 15(3):99-100. 1963, pub. 1965. 9 B863
- 42440 HENRI Simonnet (1891-1965). (Fr) Rec. Med. Vet. 141(11):1049-1054. Nov. 1965. 41.8 R24
- 42441 HOFERAT Dipl. Ing. Dr. Robert Hampel in retirement. (Ge) Allg. Forstzeitung 77(1):14-15. Jan. 1966. 99.8 AL53
Includes list of publications.
- 42442 IGNATIUS, A. Robert Koch: Leben und Forschung [Robert Koch: life and research]. Stuttgart, 1965. 88 p. (Kosmos-Bibliothek, v. 248) 120 K812
- 42443 ILLIES, J. George Ulmer, 1877-1963. (Ge) Arch. Hydrobiol. 60(1):115-129. Feb. 1964. 410 Ar28
Includes list of publication.
- 42444 IM MEMORIAM: Professor Dr. Ing. Marin Dracea (1885-1958). (Ge) Holz Roh- Werkstoff 24(1):32-33. Jan. 1966. 99.81 H74
Includes list of publications.
- 42445 IN MEMORY of G. I. Paylov. (Rus) Agrobiologiya 6(156):925-926. Nov./Dec. 1965. 20 Ag822
- 42446 IN MEMORY of Hans Schmutziger. (Ge) Schweiz. Z. Forstwesen 116(10/11):897-899. Oct./Nov. 1965. 99.8 J82
- 42447 IN MEMORY of I. S. Gorshkov. (Rus) Sado- vodstvo 1:47. Jan. 1966. 80 Sa13
- 42448 IN MEMORY of Professor S. A. Kudrin. (Rus) Agrobiologiya 6(156):923-924. Nov./Dec. 1965. 20 Ag822
- 42449 IN MEMORY of scientist and soldier. (Rus) Zhivotnovodstvo 12:85. Dec. 1965. 49 Z6
M. P. Elsukov.
- 42450 INSTITUTE of American Poultry Industries Award. Poultry Sci. 44(6):1630-1631. Nov. 1965. 47.8 Am33P
Given to D. de Fremery for work in poultry research.
- 42451 IOSIF Semenovich Zhvirko. (Rus) Sakharn. Prom. 1:46. Jan. 1966. 65.8 Sa2
- 42452 JANOSSY, A. Miklos Horn 1899-1965. Acta Agron. [Budapest] 15(3/4):389-390. 1965. 19 Ac8
- 42453 JEPPESEN, M. Professor Rs. Mork is 70 years old. (Du) Maelkeritidende 79(3):59-60. Jan. 21, 1966. 44.8 M26
- 42454 JOHAN Lindeqvist; a pioneer in Norwegian animal husbandry. (Sw) Svensk Husdjurskotsel Ladugard 5:182, 184. May 1965. 44.8 L12
- 42455 JOHN Morelius in memoriam. (Sw) Suomen Elainlaakarilehti 71(12):504. Dec. 1965. 41.8 F49
- 42456 JONES, F. G. W. Dr. J. B. Goodey. Nature [London] 209(5019):133. Jan. 8, 1966. 472 N21
- 42457 JORGENSEN, N. J. K. Haugaard. (Da) Dansk Landbrug 85(1):4. Jan. 1966. 280.28 V91
Necrology.
- 42458 JOSE Braulio Junqueira de Andrade. (Por) Rev. Criadores 36(431):62. Nov. 1965. 43.8 R32
- 42459 JUBILEE of Prof. N. A. Kachinskii. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:87-90. Mar./Apr. 1965. 442.9 M854
- 42460 JUCKER, H. 70th birthday of Prof. Dr. E. Crasemann. (Ge) Grune 94(4):105-107. Jan. 28, 1966. 17 Sch9
- 42461 JUSATZ, H. J. Ernst Rodenwaldt 1878-1965. (Ge) Z. Tropenmed. Parasitol. 16(3):233-234. Oct. 1965. 448.8 Z37
- 42462 KAUSCH, W. Max Koernicke, 1874-1955. (Ge) Deut. Bot. Ges. Ber. 77(11):249-254. 1964. 451 D48
Includes list of publications.
- 42463 KERN, F. D. Dr. Carlos E. Chardon (1897-1965). Mycologia 57(6):839-844. Nov./Dec. 1965. 450 M99
Includes partial list of publications.
- 42464 KERN, H. Ernst Gaumann, 1893-1963. (Ge) Deut. Bot. Ges. Ber. 77(11):238-248. 1964. 451 D48
Includes list of publications.
- 42465 KRYZHANOVSKY, O. Commissioner Dr. N. S. Borkhsenius. Bull. Zool. Nomencl. 22(4):207. Nov. 2, 1965. 410 B874
- 42466 KUPZOW, A. J. Anton Romanovich Zhebrak, 1902-1965. J. Hered. 56(5):228. Sept./Oct. 1965. 442.8 Am3
- 42467 LANGE, O. L. Fraz Firbas (1902-1964). (Ge) Deut. Bot. Ges. Ber. 77(11):224-237. 1964. 451 D48
Includes list of publications.
- 42468 LE BARS, H. Professor Henri Simonnet, 1891-1965. (Fr) Rev. Pathol. Comp. 65(771):481-482. Oct. 1965. 448.8 R326
- 42469 LIEBENBERG, O. On the 65th birthday of professor Dr. Horst Muller. (Ge) Arch. Geflugel- zucht Kleintierkunde 14(6):327-328. 1965. 47.8 Ar22
- 42470 LIEBENBERG, O. Professor Dr. h.c. Wilhelm Stahl is 65 years old. (Ge) Arch. Tierzucht 8 (4/6):253-254. 1965. 49 Ar23
- 42471 LINSKENS, H. Johanna Westerdijk, born Jan. 4, 1883 in Nieuwer-Amstel, died Nov. 15, 1961 in Baarn. (Ge) Deut. Bot. Ges. Ber. 77(11): 255-256. 1964. 451 D48
- 42472 LIST of publications by professor Dr. h.c. Wilhelm Stahl. (Ge) Arch. Tierzucht 8(4/6):257-266. 1965. 49 Ar23
- 42473 LJONES, B. Recollections on Professor Olav Skard. (No) Yrkesfrukttyrking 3:45-46. 1965. 80 Y83
- 42474 MADAS, A. Obituary: Kalman Mikolas (1909-1965). (Hu) Erdo 15(1):45. Jan. 1966. 99.8 Er22
- 42475 MANTEL. Professor Julius Speer is 60 years old. (Ge) Allg. Forst- Jagdzeitung 137(1):24. Jan. 1966. 99.8 AL3
- 42476 MAUGINI, A. Giorgio Falorsi. (It) Riv. Agr. Subtrop. Trop. 59(4/6):218. Apr./June 1965. 26 Ag82
- 42477 MELZER, E. W. Prof. Dr. Johannes Jentsch died. (Ge) Arch. Forstwesen 14(10):1161-1163. 1965. 99.8 Ar22
Includes list of publications.
- 42478 MICHELbacher, A. E. Edward Oliver Essig, 1884-1964. Entomol. Soc. Amer. An. 58(6): 939-940. Nov. 1965. 420 En82
- 42479 MITCHELL, H. S. Ivan Petrovich Pavlov (1849-1936). J. Nutr. 88(1):1-8. Jan. 1966. 389.8 J82
- 42480 MOOLHUISEN, J. J., and BERGSMA, C. In memoriam Christiaan Eijkman. (Du) Tijdschr. Diergeneesk. 90(23):1633-1634. Dec. 1, 1965. 41.8 T431
- 42481 THE MORRISON Award. J. Anim. Sci. 24(4): 1238-1239. Nov. 1965. 49 J82
Conferred to William Malcolm Beeson for his contribution to animal science.
- 42482 MOZHAIEVA, E. Mikhail Nikolaevich Lushchikhin. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:138. Dec. 1965. 20 V633
- 42483 MR. W. J. S. Sloan. Queensland Agr. J. 91(11): 647. Nov. 1965. 23 Q33
Obituary.
- 42484 THE MUELLER Medal. Austral. J. Sci. 28(3): 99. Sept. 1965. 475 Au72
Given to Professor J. R. A. McMillan for his contributions in genetics.
- 42485 MURPHY, D. H. Bill Free receives 1966 Service Award. Canner/Packer 135(1):70. Jan. 1966. 286.83 C16
Forty-Niners Service Award awarded to W. A. Free.
- 42486 OBITUARIES: Professor Edmund Stiasny. Soc. Leather Trades' Chem. J. 50(1):1-3. Jan. 1966. 303.9 So12
Originator of leather science.

- 42487 OBITUARY; Alex Robert Entrican, C.B.E. New Zeal. J. Forest. 10(2):236. 1965. 99.8 C162
- 42488 OBITUARY; C. W. Scott, O.B.E.W., D.F.C. Indian Forest. 91(12):914-915. Dec.1965. 99.8 In2
- 42489 OBITUARY; Mr. H. Trotter, I.F.S. (Retd.). Indian Forest. 91(12):912-913. Dec.1965. 99.8 In2
- 42490 OBITUARY; Vishwanath Manjunath Wagle. Indian Forest. 91(11):829. Nov.1965. 99.8 In2
- 42491 PAMMER, F. In memoriam Robert Bauer. (Ge) Vienna. Bundesanst. Pflanzenbau Samenprüfung. Jahrbuch 1964:5. 1965. 105.9 V675
- 42492 PAUL B. Sears, eminent ecologist—1965. Ecol. Soc. Amer. Bull. 46(4):151-152. Dec. 1965. 410.9 Ec7
Ecological Society of America Eminent Ecologist—title.
- 42493 THE PFIZER Extension Teaching Award. Poultry Sci. 44(6):1628-1629. Nov.1965. 47.8 Am33P
Given to S. F. Ridlen for work in the field of poultry extension.
- 42494 PHILLIPS, R. W. Award of Meyer Memorial Medal to Dr. Carl O. Erlanson. J. Hered. 56(5):203-204. Sept./Oct.1965. 442.8 Am3
For devoted service to plant introduction.
- 42495 POULTRY Science Association Research Award. Poultry Sci. 44(6):1627. Nov.1965. 47.8 Am33P
Given to Gilbert A. Leveille.
- 42496 PRAT, S., CERNY, L., and PROKOP, A. Obituary, docent Rudolf Retovsky (1904-1964). Biol. Plant. 7(6):399-405. 1965. 450 B52
Includes list of publications.
- 42497 PRESENT Reuben Brigham Award to C. G. Scruggs. ACE (Amer. Ass. Agr. Coll. Editors) 48(1):5. July/Aug.1965. 238 Am33A
Awarded by AAACE [American Association of Agricultural College Editors].
- 42498 PROF. DIPL. Ing. Dr. Max Schreiber retired. (Ge) Allg. Forstzeitung 76(12):258-259. Dec.1965. 99.8 AL53
Includes biography of Dr. Hannes Mayer, his successor.
- 42499 PROF. Dr. G. Aparicio Sanchez is named new director of the Department of Zootechnics of Cordoba. (Sp) Arch. Zootec. 14(53):100-101. Jan./Mar.1965. 49 Ar22
- 42500 PROFESSOR Mario d'Apice; veterinary science has lost one of its greatest patrons. (Por) Rev. Criadores 36(431):97-98. Nov.1965. 43.8 R32
- 42501 RADAIEVA, Z. Deserved recognition. (Rus) Kartoffel' Ovoshchi 1:45. Jan.1966. 75.8 K147
V. A. Gauer.
- 42502 RALSTON Purina Teaching Award. Poultry Sci. 44(6):1629-1630. Nov.1965. 47.8 Am33P
Given to G. D. Quigley for poultry teaching.
- 42503 RANKIN, A. Brazil's wonderful nature man. Frontiers 29(5):145-148. June 1965. 410 F92
Augusto Ruschi.
- 42504 RASMUS Mortensen. (Da) Hedeselsk. Tidsskr. 86(11):269-271. Sept.10,1965. 11 H35
Necrology.
- 42505 RAY, P. M., and STOWE, B. B. David Powell Hackett 1925-1965. Plant Physiol. 40(6):i-iv. Nov.1965. 450 P692
Includes list of publications.
- 42506 RENE Dumont. (Fr) Paysans 10(56):89-96. Oct./Nov.1965. 14 R323
Biography.
- 42507 RETIREMENT of Frank E. Todd as Chief of the Apiculture Research Branch. Amer. Bee J. 105(12):448. Dec.1965. 424.8 Am3
- 42508 RUBIN, B. A. An acting member of Czechoslovak Academy of Sciences [Ceskoslovenska Akademie Ved] Prof. Dr. S. K. Prat. (Rus) Moscow. Univ. Vestnik. Ser. 6, 6:82-84. Nov./Dec.1965. 442.9 M854
- 42509 SAJNER, J., JANDOVA, M., and JANDA, R. The role of Jan Purkyne in poultry raising. (Cz) Pol'nohospodarstvo 11(12):936-940. Ref. 1965. 19.5 P752
- 42510 SAVICH, I. Andrei Petrovich Red'kin. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:134-135. Dec.1965. 20 V633
- 42511 SCHONMUTH, G. On the 65th birthday of professor Dr. h.c. Wilhelm Stahl. (Ge) Arch. Tierzucht 8(4/6):255-256. 1965. 49 Ar23
- 42512 SCHWARTZ, E. In memory of chief forester Carl Christoph von Lengefeld. (Ge) Sozialistische Forstwirtschaft. 15(10):320, inside back cover. Oct.1965. 99.8 W143
- 42513 SEAMANS, H. L. In memoriam; Dr. A. P. Arnason (1903-1964). Entomol. Soc. Ontario. Proc. 95:152-154. 1964, pub.1965. 420 On8
- 42514 SEIDENSCHNUR, C. E., and SHETLER, S. G. The botanical activities of Paul Bartsch (1871-1960). Biol. Soc. Wash. Proc. 78:275-292. Dec.31,1965. 500 W272
Includes list of publications and history of plant collecting activity.
- 42515 70th BIRTHDAY. (Da) Erhvervsfrugtavleren 32(7):267-268. July 1,1965. 80 Er3
Christian Fich.
- 42516 60TH BIRTHDAY anniversary of academician H. Haberman. (Rus) Akad. Nauk Est. SSR. Izv. Ser. Biol. 4:369-371. 1964. 442.9 Ak18
- 42517 SJOKVIST, G. Johannes A. Lyden. (Sw) Bittidningen 64(12):388. Dec.1965. 424.8 B54
- 42518 SOKOLOVA, N. Prokofii Ignat'evich Dvornikov. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:136. Dec.1965. 20 V633
- 42519 SOUTH'S star farmer, Keith James to compete for nation's top FFA [Future Farmers of America] honor. Okla. Cowman 5(9):22-23. Sept.1965. 43.8 Ok42
- 42520 STEENSTRUP, B. N. S. Lybye, Hjedsoek. (Da) Hedeselsk. Tidsskr. 86(11):273. Sept.10, 1965. 11 H35
Necrology.
- 42521 SUSLOV, V. M., and ALEKSEEV, A. P. Leonid Afanas'evich Zhdanov. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:129-131. Dec.1965. 20 V633
- 42522 UENO, M. Tamiji Kawamura 1883-1964. Annot. Zool. Jap. 38(3):105-107. Sept.1965. 410 An79
- 42523 VACHON, M. Louis Fage, 1883-1964. (Fr) Soc. Zool. France. Bull. 89(5/6):595-613. 1964, pub.1965. 410.9 P214B
Includes list of publications.
- 42524 VAN DER WALL. Chief district veterinary councilor Dr. O. Roemmele of Brunswick is 65 years old. (Ge) Deut. Tierarztl. 13(12):481-482. Dec.5,1965. 41.8 D484
- 42525 VASILII Vasil'evich Krasnikov. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 12:153. Dec.1965. 20 V633
- 42526 WALL, VAN DER. Dr. Otto Roemmele of Brunswick is 65 years old. (Ge) Deut. Tierarztl. Wochensh. 72(23):561-562. Dec.1,1965. 41.8 D482
- 42527 ZHDANOV, L. A., and SUSLOV, V. M. Proud of the agricultural science. (Rus) Zemledelie 1:68-71. Jan.1966. 20 Z44
V. S. Pustovoit.

Checklist of names of persons appearing as subjects of preceding biographical articles:

Abrams G	42435	Lindeqvist J	42454
Abrams G A	42434	Lush J L	42395
Albaugh R	42398	Lushchikhin M N	42482
Andrade J B J	42458	Lybye N S	42520
de		Lyden J A	42517
Aparicio Sanchez G	42499	Lysenko T D	42418
Apice M d ^e	42500	Mabry D B	42422
Appelman F	42407	Maw A J G	42430
Arnason A P	42513	Mayer H	42498
Bartsch P	42514	McMillan E L	42425
Bauer R	42491	McMillan J R A	42484
Becker R B	42399	Melekhov I S	42401
Beeson W M	42481	Mikolas K	42474
Borkhsenius N S	42465	Miller E R	42394
Bratzler L J	42397	Miller R C	42399
Cardon P V	42412	Morelius J	42455
Carpenter C D	42417	Mork R	42453
	42424	Mortensen R	42504
Casida L E	42396	Muenschner W C	42419
Chardon C E	42463	Muller H	42469
Cole J W	42400	Pallmann H	42405
Cox R F	42399	Pavlov G I	42445
Crasemann E	42460	Pavlov I P	42479
Creech B F	42399	Pavlovsky Y N	42437
Davis R E	42399	Phillips R W	42399
Dorozhkin N A	42393	Popov N F	42431
Dracea M	42444	Prat S K	42508
Dumont R	42506	Pryanishnikov D N	42404
Dvornikov P I	42518	Purkyne J E	42509
Eijkman C	42480	Pustovoit V S	42527
Elsukov M P	42449	Quigley G D	42502
Entrican A R	42487	Red'kin A P	42510
Erlanson C O	42494	Retovsky R	42496
Essig E O	42478	Ridlen S F	42493
Fage L	42523	Rodenwaldt E	42461
Falorsi G	42476	Roemmele O	42524
Fateev E M	42427		42526
Fich C	42515	Ruschi A	42503
Firbas F	42467	Sarejanni J A	42416
Foulon L A	42406	Schmid E	42426
	42433	Schmuziger H	42446
Free W A	42485	Schneider J	42423
Fremery D de	42450	Schopfer W H	42432
Gauer V A	42501	Schreiber M	42498
Gaumann E	42464	Scott C W	42488
Getz J	42428	Scott M L	42410
Ghigi A	42391	Sears P B	42492
Godbey E G	42399	Seebach C	42409
Goodey J B	42456	Freiherr von	
Goodhue S	42421	Shaffner C S	42430
Gorshkov I S	42447	Sicer J W	42430
Guhl A M	42430	Sigvardt R	42436
Haan R H de	42411	Simonnet H	42440
Haberman H	42516		42468
Hackett D P	42438	Skard O	42473
	42505	Sloan W J S	42483
Hampel R	42441	Smith J P	42420
Harms R H	42390	Speer J	42475
Haugaard J K	42457	Staffelbach E	42429
Henriksen R	42403	Stahl W	42470
Horn M	42452		42472
Inchausti D	42439		42511
James K	42519	Stiasny E	42486
Jentsch J	42477	Todd F E	42507
Johnson L E	42402	Trotter H	42489
Kachinskii N A	42459	Ulmer G	42443
Kawamura T	42522	Ushakova E I	42392
King D F	42430	Verheij C	42413
Koch R	42442	Villenaud A de	42415
Koernicke M	42462	M de	
Krasnikov V V	42525	Wagle V M	42490
Kudrin S A	42448	Westerdijk J	42471
Lengefeld C C	42512	Zeilinger A	42408
von		Zhdanov L A	42521
Leveck H H	42399	Zhebrak A R	42466
Leveille G A	42495	Zhvirko I S	42451

HISTORY

- 42528 BAGIANTI, M. Etruscan agriculture for the Common Market. (It) Nuova Econ. (n.s.) 77 (11):16-19. Nov.1965. 287 P43
A comparison of ancient and modern agriculture in Italy.
- 42529 CLAIBORNE, R. Digging up prehistoric America. Harper's Mag. 232(1391):69-74. Apr.1966. 110 H23
Agricultural origins and the history of corn.

- 42530 FAZEKAS, B. Development of Hungarian agriculture from 1938-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:27-63. Oct.27,1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Translation from Statisztikai Szemle 8-9: 808-831. Aug./Sept.1965.
- 42531 GATES, P. W. Agriculture and the Civil War. New York, Knopf, 1965. 383 p.,map. Ref. (The Impact of the Civil War) HD1765.G3
- 42532 LOVIN, C. R. German agricultural policy, 1933-1936. Diss. Abs. 26(7):3908. Jan.1966. 241.8 M58
- 42533 COX, W. T. Light condition your home. Auburn Univ. Ext. Circ. PH-1,8 p. Mar.1965. 275.29 AL14Ci

HOME MANAGEMENT

- 42534 HAYNES, O. M., and AKERS, E. E. Dress line. Ohio. State Univ. Ext. Bull. 464,16 p. Sept.1965. 275.29 Oh32
- 42535 LEE, M. E. Fitting the basic muslin dress. N. C. Univ. Ext. Home Econ. 25,8 p. Nov.1965. 275.2 N811Hom
- 42536 LEE, M. E. Lining a suit or coat. N. C. Univ. Ext. Home Econ. 26,4 p. Oct.1965. 275.29 N811Hom
- 42537 LINN, A. How to teach sewing machine use and care. U. S. D. A. PA -701,50 p. Jan.1966. 1 Ag84Pro
- 42538 MINIFIE, F. G. Fingertip fashions. Rutgers State Univ. Ext. Ext. Bull. 385,31 p. Nov.1965. 275.29 N46
Sewing.
- 42539 MINIFIE, F. G. Style-wise buys—slips. Rutgers State Univ. Ext. Leaflet. 397,6 p.-folder. Dec.1965. 275.29 N46L
- 42540 NORTH CAROLINA UNIVERSITY. EXTENSION SERV. Pressing for tailoring. N. C. Univ. Ext. Home Econ. 27,6 p.-folder. Oct. 1965. 275.29 N811Hom
- 42541 PABELLAS, M. The home oven of the island of Ikaria as an improvement in the farm home. (Gre) Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos 4:102-104. July/Aug.1965. 275.249 G81
- 42542 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. The easy way to clean your range. Tenn. Univ. Ext. SP 143-i,4 p. Apr.1965. 275.29 T25Sp
- 42543 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Hem your own clothes. Tenn. Univ. Ext. SP 143-b,2 p. Apr.1965. 275.29 T25Sp
- 42544 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to clean wooden furniture. Tenn. Univ. Ext. SP 143-j,2 p. Apr. 1935. 275.29 T25Sp
- 42545 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to clean your refrigerator. Tenn. Univ. Ext. SP 143-d,4 p. Apr. 1965. 275.29 T25Sp
- 42546 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to clean your upholstered furniture. Tenn. Univ. Ext. SP 143-h, 2 p. Apr.1965. 275.29 T25Sp
- 42547 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to wash walls and woodwork. Tenn. Univ. Ext. SP 143-n,4 p. Apr.1965. 275.29 T25Sp
- 42548 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Sew on your own buttons. Tenn. Univ. Ext. SP 143-c,2 p. Apr.1965. 275.29 T25Sp
- 42549 TENNESSEE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Sew on your own snaps. Tenn. Univ. Ext. SP 143-f,2 p. Apr.1965. 275.29 T25Sp

42550 TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Sewing hooks and eyes on your clothes. Tenn. Univ. Ext. Sp 143-a,2 p. Apr.1965. 275.29 T25Sp

42551 TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. You can have a clean bathroom. Tenn. Univ. Ext. SP 143-m,8 p. Apr.1965. 275.29 T25Sp

42552 TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. You need clean dishes. Tenn. Univ. Ext. SP 143-1,4 p. Apr.1965. 275.29 T25Sp

42553 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Questions and answers relative to buying carpets. Wash. State Univ. Ext. E. M. 2558,3 p. June 1965. 275.29 W27Mi

42554 ZABEL, M. B., and MUNSON, R. F. Framing pictures. Minn. Univ. Ext. Ext. Bull. 324,8 p. July 1965. 275.29 M66S

42555 ZABEL, M. B., and MUNSON, R. F. Hanging pictures. Minn. Univ. Ext. Ext. Bull. 325,4 p. July 1965. 275.29 M66S

42556 ZABEL, M. B., and MUNSON, R. F. Selecting pictures. Minn. Univ. Ext. Ext. Bull. 323,8 p. July 1965. 275.29 M66S

METEOROLOGY

42557 HIGGS, A. T. Rainmaking; a review of work done in Australia. S. Afr. Sugar J. 49(11):1087, 1089,1091. Nov.1965. 65.8 So8

42558 JOHNSON, W. C. Wind in the southwestern Great Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 6,65 p. Ref. Dec.1965. A279,9 Ag8 Texas Agricultural Experiment Station, co-operating.

42559 LANE, F. W. The elements rage. Philadelphia, Chilton, 1965. 346 p. Ref. QE534.L3 Includes damage to agriculture from volcanoes, avalanches, tornados, floods, and earthquakes.

42560 PHILLIPS, E. L. Washington climate for these counties: Adams, Lincoln, Spokane and Whitman. Wash. State Univ. Ext. E. M. 2545,64 p., map. Ref.,p.3 of cover. May 1965. 275.29 W27Mi

42561 VOGEL, T. C., and JOHNSON, P. L. Evaluation of an economical instrument shelter for micro-climatological studies. Forest Sci. 11(4):434-435. Dec.1965. 99.8 F7632

42562 WEEDFALL, R. O., and DICKERSON, W. H. The climate of the Canaan Valley and Blackwater Falls State Park, West Virginia. W. Va. Agr. Exp. Sta. Curr. Rep. 43,14 p.,map. Sept. 1965. 100 W52Cu

PERSONNEL

42563 OMS LODESTAR CONFERENCE, 1, FREDERICKSBURG, VA., 1965. Managerial follow through. OMS heritage. Report. Washington, U. S. D. A., Office Manage. Serv., 1965. 49 p. A249.29 Of2

RESEARCH

42564 ALEKSEEVA, M. V. Hundred years of Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya], (Rus) Agrobiologiya 6(156):894-898. Nov./Dec.1965. 20 Ag822 General activities.

42565 BRADY, N. C. Principles of agricultural research management in the United States; talk before OECD Committee for Agriculture, Paris, France, October 19, 1964. Washington, U. S. D. A., 1964. 21 p. A31.3 B72

42566 BRUNSWICK. FORSCHUNGSANSTALT FUR LANDWIRTSCHAFT. Bericht uber die Tatigkeit im Jahre 1964 [Report of activities in the year 1964 of the Agricultural Research Institute]. Braunschweig, 1965. 89 p. 18 B83B

42567 COLORADO. AGRICULTURAL EXPERIMENT STATION. Agricultural research serves Colorado; 78th annual report, 1964-1965. Fort Collins, 1965. 21 p. 100 C71S

42568 CUEVÁS-RUIZ, J., and LINDEN, D. B. Agricultural applications of the Puerto Rico Nuclear Center Co60 Gamma Irradiation Facility. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:32-38. 1964. 64.9 C19

42569 CYPRUS. AGRICULTURAL RESEARCH INSTITUTE. Annual report for 1964. Cyprus, Ministry of Agri. Natur. Resources, 1965. 58 p. 25 C992

42570 GLUBRECHT, H., and NIEMANN, E. G. Radionuclides in agriculture. (Ge) In Wissenschaftlich-Technische Tagung des Deutschen Atomforums. 2, Bonn, 1963. Atomstrahlung in Medizin und Technik, p.337-350. Ref. 1964. 334.9 W76

42571 IONA, R., and ROVERSI, A. Agricultural research in Israel. (It) Agricoltura 14(7):81-94. July 1965. 16 Ag8226

42572 MARLOTH, R. H. Thoughts on the science of agriculture in South Africa. So. African J. Sci. 61(10):351-361. Oct.1965. 515 So84 Research and education.

42573 MICHIGAN. AGRICULTURAL EXPERIMENT STATION. Research is for people; 1965 edition. East Lansing, 1965? 17 p. 100 M58A

42574 MOSEMAN, A. H. Research needed for technological knowledge in agricultural development. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.224-237. 1965. HD1411.15

42575 MOSHER, A. T. Research needed on the development process for agriculture. In Iowa State University. Center for Agricultural and Economic Development. Economic development of agriculture, p.238-245. 1965. HD1411.15

42576 NEBRASKA. AGRICULTURAL EXPERIMENT STATION. 79th annual report. Lincoln, 1965. 37 p. 100 N27

42577 NEW ZEALAND. DEPT. OF AGRICULTURE. Research projects at departmental stations and experimental areas, 1965. Rev. Wellington, 1965. 63 p. 23 N48R

42578 PALM, C. E. The Agricultural Board and the road ahead. Nat. Res. Council. Agr. Res. Inst. Proc., 14th Annu. Meeting:9-15. 1965. 4 N2122

42579 PAWLUK, S. Editorial policy is hindering progressive research. Agr. Inst. Rev. 21(1):24-25. Jan./Feb.1966. 7 Ag8 In agriculture; in Canada.

42580 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Progress in research. Penn. Agr. Exp. Sta. Bull. 724,37 p.,map. 1964/65. 100 P381

42581 PINTEA, C., and others. The Agronomical Institute "Ion Ionescu de la Brad" [Institutul Agronomic "Ion Ionescu de la Brad"] in the twenty years since the liberation of the country. (Rum) Jassy. Inst. Agron. "Ion Ionescu Brad." Lucrari Stiint. 1964:3-12. 106.4 J31L

P. Magazin, D. Rosca, V. Homutescu, and N. Pipernea, joint authors. French summary.

42582 PRADO, F. A. DEL. The Surinam Agricultural Experiment Station story. Caribbean Food Crops. Soc. Proc., 2d Annu. Meeting:29-30. 1964. 64.9 C19 History.

42583 PRATOLONGO, U. Rothamsted. (It) Ital. Agr. 102(7):554-564. July 1965. 16 It1 History and activities.

42584 ROSA, M. Experimentation in agriculture. (It) In Corso Nazionale per i Direttori e i Tecnici dei Centri Provinciali di Assistenza Tecnica dell'INATEIA. L'assistenza professionale agli agricoltori, p.53-65. 1964. 281.9 C815

- 42585 SAITO, Y. Thoughts on the development of modern agricultural science in Japan. Rural Econ. Probl. 2(2):1-21. Ref. Nov.1965. 281.28 R8822
- 42586 SASKATCHEWAN RESEARCH COUNCIL. Eighteenth annual report, 1964. Saskatoon, 1965. 95 p. T177.C2S3
Includes agriculture.
- 42587 U. S. NATIONAL AGRICULTURAL RESEARCH ADVISORY COMMITTEE. Report and recommendations regarding problem areas needing emphasis in the further development of the agricultural research program of the United States Department of Agriculture, developed and adopted at the meeting held in Washington, D. C., April 29-30, 1965. Washington, U. S. D. A., Res. Program Develop. Evaluation Staff, 1965. 9 p. A31.3 Ag895
- 42588 VERVELDE, G. J. Wageningen and agricultural research. (Du) Ned. Alg. Keuringsdienst Landbouwzaden Aardappelpootgoed. Meded. 22 (3/4):18-20. July/Aug.1965. 61.9 N28
- 42589 WISSENSCHAFTLICH-TECHNISCHE TAGUNG DES DEUTSCHEN ATOMFORUMS, 2, BONN, 1963. Atomstrahlung in Medizin und Technik [Atomic rays in medicine and technology; scientific technical conference of the German Atomic Forum]. Munchen, Thiemig, 1964. 396 p. Ref. 334.9 W76
Includes agricultural applications.
- 42590 YOUNKIN, S. G. The Agricultural Research Institute's future. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:1-7. 1965. 4 N2122

STATISTICS

- 42591 BARAN, M., and SEBOVA, G. On the use of some mathematical and statistical methods in agriculture. (Cz) Pol'nohospodarstvo 11(12): 919-924. 1965. 19.5 P752
- 42592 ELANDT, R. C. Applicability of the extended method of parabolic curves in the analysis of agricultural data. Sankhya, Ser. B, 26(3/4): 201-216. Dec.1964. 251.8 In2B
- 42593 IVANKA, L. A contribution to the use of analysis of covariance in the evaluation of agricultural experiments. (Cz) Pol'nohospodarstvo 11(12):925-935. 1965. 19.5 P752
- 42594 LE ROY, H. L. Simple rule for evaluating the (a) correct F-test in factorial experiments. (Ge) Schweiz. Landwirt. Forsch. 4(3):277-283. 1965. 17 Sch99
English summary.
- 42595 POPOV, P. V. Calculation of mean arithmetical quantities and authenticity of their differences when applying them to field or laboratory tests. (Rus) Khim. Sel'skom Khoz. 7:74-77. July 1965. 385 K524

NEW PERIODICALS AND SERIALS

- AGROTECNIA DE CUBA. v.2, No.2. Apr./June 1964. La Habana. S15.A35
- NATIONAL AGRICULTURAL LIBRARY CATALOG. v.1, No.1. Jan.1966. New York. aZ5076.N3
- LEHIGH UNIVERSITY. CENTER FOR THE INFORMATION SCIENCES. Mathematical theories of relevance with respect to the problems of indexing. Report. No.1. 1964. Bethlehem, Pa. Q350.L4
- FLORA OF SOUTHERN AFRICA. v.26. 1963. Pretoria, Dept. of Agricultural Technical Services. QK396.F6
- REVIEWS OF DATA ON SCIENCE RESOURCES. v.1, No.1. Dec.1964. Washington, National Science Foundation. Q180.U5A3
- REGIONAL ARECANUT RESEARCH STATION, KAHIKUCHI. Annual progress report. No.5. July 1963/June 1964. Calicut. SB295.B5R42
- REGIONAL ARECANUT RESEARCH STATION, PEECHI. Annual progress report. No.6. July 1963/June 1964. Calicut. SB295.B5R45
- REGIONAL ARECANUT RESEARCH STATION, PALODE. Annual progress report. No.5. July 1963/June 1964. Calicut. SB295.B5R44
- REGIONAL ARECANUT RESEARCH STATION, MOHITNAGAR. Annual progress report. No.6. July 1963/June 1964. Calicut. SB295.B5R43
- ESSAYS IN BIOCHEMISTRY. v.1. 1965. London. QH345.A1E8
- VIRGINIA ANGUS ASSOCIATION. Angus handbook. 1961/62. Charlottesville, Va. SF199.A14V5
- REVISTA DE INVESTIGACIONES AGROPECUARIAS. SERIE 3: CLIMA Y SUELO. v.1, No.1. 1964. Buenos Aires, Instituto Nacional de Tecnologia Agropecuaria. 343 R32
- U. S. JOINT PUBLICATIONS RESEARCH SERV. Translations on Communist China's transportation and communications. No.1. July 29, 1964. Washington. 173 J663Tect
- BANAS INFORMA; REVISTA ECONOMICA E FINANCEIRA. Nov.29, 1965. Sao Paulo. HC186.A1B3
- TECNOLOGIE DEGLI ALIMENTI. v.1, No.4. July/Aug.1964. Roma. TX341.T4
- CHAROLAIS BANNER. v.1, No.7. Oct.1965. Shawnee Mission, Kans. SF199.C5C5
- WISCONSIN VETERINARY MEDICAL ASSOCIATION. Bulletin. Aug.1965. SF601.W5
- BIO-MEDICAL PURVIEW. v.1. Fall 1961. Rochester, Minn., National Society for Medical Research. QH301.B5
- CAMARA TEXTIL DE MEXICO; REVISTA TECNICA. v.12, No.3. Mar.1964. Mexico, Camara Nacional de la Industria Textil. TS1300.C3
- WEIZMANN INSTITUTE OF SCIENCE. Scientific activities. 1964. Rehovoth. Q80.I7W4
- BANAS INFORMA. July 12, 1965. Sao Paulo. HF3409.S3B3
- AGROKHIIMIYA. No.7. July 1964. Moskva, Akademiya Nauk SSSR. 385 Ag89
- AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT. Novosti sistematiки nizshikh rastenii. Novitates systematicae plantarum non vascularium. 1964. Moskva. 451 Ak15N
- OKAYAMA UNIVERSITY. LIBRARY. Okayama Daigaku zoshō mokuroku (Catalogue of the Library of Okayama University). v.1. 1964, pub.1965. Okayama-shi. 240.5 Ok12
- U. S. JOINT PUBLICATIONS RESEARCH SERV. Translations from Voprosy virusologii (Problems of virology). No.2. 1965. Washington. 173 J663Tvv
- STUDIES IN WORKMEN'S COMPENSATION AND RADIATION INJURY. v.1. 1965. Washington, Dept. of Labor. HD7814.A158
- WEIZMANN INSTITUTE OF SCIENCE. LIBRARIES. Bulletin. v.7, No.3. July/Dec.1964. Rehovoth. Z7401.W4
- LAND AND CATTLE EXCHANGE MAGAZINE. v.1, No.1. Oct.1965. Kansas City, Mo. HD9433.A1L3
- INDIAN INSTITUTE OF SUGARCANE RESEARCH. Annual report of the entomological outpost scheme. 1960/61. Lucknow. SB608.S9I5

WARSAW. PANSTWOWY ZAKLAD HIGIENY. Roczniki. v.1. 1950. Warszawa. 449.9 W26

CO-OP LEADERSHIP. v.6, No.7. Oct. 1964. Kansas City, Consumers Cooperative Association. HD3283.C6

BULETIN DE INFORMARE STIINTIFICA. Chimie. No.1. 1965. Bucuresti, Academia Republicii Populare Romine, Centrul de Documentare Stiintifica. Z5523.B8

BUCHAREST. MUZEUL NATIONAL DE ISTORIE NATURALA "GRIGORE ANTIPA." Tra-vaux. v.3. 1962. Bucarest. 512 B857

SEMAINE INTERNATIONALE DE L'AGRICULTURE. Catalogue. 1962. Brussels. 58.9 Se5

OREGON ASSOCIATION OF NURSERYMEN. Directory. 1966. Portland, Oreg. SB113.A107

JERSEY CATTLE SOCIETY OF THE UNITED KINGDOM. Certificate of merit for milk and butterfat production. 1964. London. SF191.J4

POTOMAC HERB JOURNAL. v.1, No.4. Nov. 1965. Washington. SB351.H5A1

WHEAT LIFE. v.9, No.2. Mar. 27, 1964. Ritzville, Wash., Washington Association of Wheat Growers. SB191.W5W5

RHODESIA. CENTRAL STATISTICAL OFF. Quarterly bulletin of financial statistics. Apr. 1965. Salisbury. HA40.F5R5

KEYSTONE FARMER. v.22, No.3. July/Sept. 1965. Harrisburg, Pennsylvania Association, Future Farmers of America. S534.P4K4

THE YIELD. v.1, No.1. Apr. 1965. Kansas City, Mo., Farmers Union Co-operative Marketing Association. HD1491.A1Y5

COOPERATION. v.1, No.2. n.d. Addis Ababa, U. S. Information Service. JC362.C6

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

- AKULOV, A. V. Histological changes in African swine fever. 6 p. Transl. 14544
Translation from Vsesoyuznyi Institut Eksperimental'noi Veterinari. Trudy 29:209-216. 1962.
- *ALEKSEYEVA, D. M. Flame-photometric and trilonometric methods of determining calcium in plants. Soviet Soil Sci. 5:515-520. Ref. May 1965. 57.8 P34Ae
- *AMANOV, M. A. Water conditions of certain varieties of wheats of Uzbekistan under conditions of dry farming. Soviet Plant Physiol. 12(2):291-293. Mar./Apr. 1965. 450 F58Ae
- ANDREEV, E. V., and KONOZENKO, P. A. Problem of active immunization of swine against foot-and-mouth disease. 5 p. Transl. 14553
Translation from Veterinariya 8:37-39. Aug. 1964.
- *ANISIMOV, A. A. The effect of ammonium sulfate on the translocation of assimilates in sugar beet. Soviet Plant Physiol. 12(2):238-241. Ref. Mar./Apr. 1965. 450 F58Ae
- *AZIZOV, I. M., and AMAEVA, S. D. Role of phenolic compounds in the ontogenesis of apple trees. Soviet Plant Physiol. 12(2):289-290. Ref. Mar./Apr. 1965. 450 F58Ae
- BAN'KOVSKAYA, A. N., OSTROVSKIY, N. I., and BAN'KOVSKIY, A. I. Accumulation of alkaloids and oil in cornicles of ergot of ergotamine strain. U. S. Joint Publ. Res. Serv. [Transl.] Med. Indus. USSR, Oct. 22, 1964:14-18. (JPRS 27,023; TT 64-51279; CSO 3370-S) 173 J663 Medi
Translation from Meditsinskaya Promyshlennost' SSSR 8:18-21. Aug. 1964.
- BAVENDAMM, W. On the time of effectiveness of the extractives causing the natural resistance of woods. 11 p. Ref. Transl. 14400
Translation from Holz als Roh- und Werkstoff 21(11):441-446. Nov. 1963.
- *BELIC, M., and SOLDATOVIC, B. Effect of gilt's age at first farrowing on the size and weight of litter and growth of pigs. J. Sci. Agr. Res. 17(58):73-82. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae
- *BELL, L. N. Thermodynamics of photosynthesis. Biophysics 9(3):316-321. Ref. 1964. 442.8 B529Ae
Translation from Biofizika.
- BEL'TYUKOVA, K. G., and MATISHEVS'KA, M. S. Effect of gibberellin on plant resistance to disease. 10 p. (TT 64-15451) Transl. 15157
Translation from Mikrobiologichnyi Zhurnal 25(3):64-70. 1963.
- *BEREZNEGOVSKAYA, L. N. Effect of gibberellic acid on respiration and oxidative phosphorylation in belladonna seeds. Soviet Plant Physiol. 12(2):255-258. Ref. Mar./Apr. 1965. 450 F58Ae
- BIRYULINA, P. G. The appearance of forest pests. 4 p. Transl. 15226
Translation from Priroda [Moscow] 5:126. 1961.
- BLINOVA, E. I. Supplies of laminarian seaweed of Kil'din Island. 5 p., map. (JPRS 22,982; TT 64-21431; CSO 10202-D) Transl. 15293
Translation from Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Nauchno-Tekhnicheskii Byulleten' 4:36-38. 1962.
- BOGDANOV, V. V. Temporary surface runoff on Takyr soils. 23 p. Ref. (OTS 64-11083) Transl. 14830
Translation from Akademiya Nauk SSSR. Botanicheskii Institut. Pustyni SSSR 2(32):488-507. 1954.
- *BROVCHENKO, M. I. On the movement of sugars from the mesophyll to the conducting bundles in sugar-beet leaves. Soviet Plant Physiol. 12(2):230-237. Ref. Mar./Apr. 1965. 450 F58Ae
- BUCHER, H. Morphological studies in wood chemistry and the diffusion of fluids in spruce wood. 11 p. Transl. 15307
Translation from Beih. Z. Schweiz. Forstver. 30:21-29. 1960.
- BUDZKO, I. A., and others. Electron-impulsive control of electrical changes. 21 p. Transl. 15753
U. N. Advianov, B. U. Smivnov, D. N. Bystritsky, S. B. Yuditsky, and A. A. Sakovich, joint authors.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:45-48. 1964.
- BUDZKO, I. A. Let us carry to perfection an organization of scientific research. 13 p. Transl. 15756
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 4:5-7. 1961.

- BUDZKO, I. A. Progress in electrification of agriculture and the problems of science. 21 p. Transl. 15752
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:29-32. 1964.
- BUDZKO, I. A. Rural electrification in Sweden. 23 p. Transl. 15718
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:56-60. 1964.
- BURKOV, A. F. Some results of field investigation regarding silt regimen at head works of the Malo-Kabardinsk irrigation system on Terrek River. 34 p. Transl. 14709
Translation from Nauchno-Issledovatel'skii Gidrotekhnicheskii Institut. Trudy 12:119-142. 1934.
- *BUYLOV, V. V. Role of adsorbed magnesium in the formation of the Solonchets of the Turgay Hollow. Soviet Soil Sci. 5:476-481. Ref. May 1965. 57.8 P34Ae
- CH'AI, Y. Electric irrigation in mountainous areas in Szechwan. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 11:32-40. Feb. 10, 1965. (JPRS 28,701) 173 J663Trf
Translation from Ching-chi Yen-chiu 11:21-26. Nov. 20, 1964.
- CHAMPAGNAT, A., and others. Microbiological dewaxing process yielding protein-vitamin concentrates. 17 p. Ref. (NASA TT F-233) Transl. 14391
C. Vernet, B. Laine, and J. Filosa, joint authors.
Translation from Neftekhimiya 3(5):799-810. 1963.
- CHERKES, A. I. ed. Handbook on toxicology of toxic agents. 516 p. Ref. (JPRS: 31,527; TT: 65-32023; CSO: 1879-D.) 391 C423Ae
Translation of Rukovodstvo po Toksikologii Otravlianiushchikh Veshchestv.
- *CHIRKOVA, T. V., and SOLDATENKOV, S. V. Paths of movement of oxygen from leaves to roots kept under anaerobic conditions. Soviet Plant Physiol. 12(2):185-191. Ref. Mar./Apr. 1965. 450 F58Ae
- CHOJNACKA, H. Rural income during 1961-1965 discussed. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:25-31. Oct. 13, 1965. (JPRS 32,382; TT 65-32872) 173 J663Ste
Translation from Zycie Gospodarcze 34:6. Aug. 1965.
- CLARA, M. Structure and development of the so-called adipose tissue in the bird. 104 p. Transl. 15750
Translation from Zeitschrift fur mikro-anatomische Forschung 19(1):32-113. 1929.
- CVETKOVIC, V. Import and export of food products by Yugoslavia in 1959-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:97-116. Ref. Oct. 13, 1965. (JPRS 32,382; TT 65-32872) 173 J663Ste
Translation from Jugoslovenski Pregled 5: 176-182. May 1965.
- DOROSHENKO, P. E. Agriculture of the USSR 1959-1965. Annapolis, Md., Res. & Microfilm Publ., 1959. 122 p. (Scholarly Book Translation Series SBTS No. 1) 281.179 D73Ae
- *DROZDOV, S. N., and SYCHEVA, Z. F. Relationship of the frost resistance of potato haulms with the level of nitrogen metabolism. Soviet Plant Physiol. 12(2):274-279. Ref. Mar./Apr. 1965. 450 F58Ae
- DZYUBA, V. I. Effect of vibrations on the coefficient of internal friction of the soil. 7 p. Transl. 15749
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:50-51. 1963.
- EGOROVA, V. D., and ZUBCHENKOV, V. I. Treatment and prophylaxis of infectious atrophic rhinitis. 6 p. (TT 62-14851) Transl. 15017
Translation from Veterinariya 1:41-42. Jan. 1962.
- ENIKOV, K. The organization of the Bulgarian Academy of Agricultural Sciences [Akademiya na Selskостopanskite Nauki]. 6 p. (JPRS 25,010; OTS 64-31446; CSO 2000-N) Transl. 14148
Translation from Selskостopanska Nauka 3(1): 53-57. 1964.
- EVREINOV, M. S. Application of various forms of electric energy in agriculture. 22 p. Transl. 15748
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:30-33. 1963.
- FAZEKAS, B. Development of Hungarian agriculture from 1938-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:27-63. Oct. 27, 1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Translation from Statistikai Szemle 8-9: 808-831. Aug./Sept. 1965.
- FIEBIG, A. Joint LPG facility for the procurement of agricultural production equipment. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:21-26. Oct. 27, 1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Translation from Einheit 20(9):121-124. Sept. 1965.
- FILOV, V. A. The determination of toxic chemicals in biological substrates. 270 p. Ref. (JPRS: 31,585; TT: 65-32081; CSO: 3751-S.) 464.4 F48Ae
Translation of Opređenje Yadokhimikatov v Biologicheskikh Substratakh.
- FUJISAKI, K. Studies on factors affecting the modulus of elasticity of wood on the relation between the inclination of micellar orientation and modulus of elasticity. I. 3 p. Transl. 15071
Translation from Bull. Ehime Univ. Forest 1: 34-37. n.d.
- *GAMBURG, K. Z. Separation of indoleacetic acid oxidase and an inhibitor of indoleacetic acid oxidase by gel filtration on Sephadex G-25. Soviet Plant Physiol. 12(2):310-312. Ref. Mar./Apr. 1965. 450 F58Ae
- GILYAROV, M. S. The millepedes (Juloidea) and their role in soil formation. 9 p. Ref. (TT 65-50059) Transl. 14974
Translation from Pochvovedenie 6:74-80. 1957.
- GLAZUNOV, V. V., PARCHEVSKII, V. P., and FLEISHMAN, D. G. Variation in the content of fission products of Cystoseira [barbata] in the Black Sea. 8 p. Ref. (JPRS: 22,714; OTS: 64-21275; CSO: 2951-S) Transl. 14139
Translation from Akademiya Nauk SSSR. Doklady 152(5):1222-1224. 1963.
- GODNEV, T. N., and ROTFARB, R. M. Possibility of a reciprocal transformation of carotenes and carotenols. 3 p. Ref. (TT 63-16721) Transl. 15338
Translation from Akademiya Nauk SSSR. Doklady 147:735-737. 1962.
- *GORIDKO, I. V. Effect of cobalt on the rate of photosynthesis in potato leaves. Soviet Plant Physiol. 12(2):294-297. Mar./Apr. 1965. 450 F58Ae
- GOSPODINOV, R. Achievements of the Bulgarian cooperative farms in 1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:1-11. Oct. 13, 1965. (JPRS 32,382; TT 65-32872) 173 J663Ste
Translation from Naruchnik na agitatora 12: 27-37. June 1965.
- GROBELNY, I., and ILLUKOWICZ, W. Determination of pentosans in chemical pulps. 7 p. (OTS 61-11382) Transl. 14297
Translation from Przegląd Papierniczy 1:1-3. 1960.
- HAGGLUND, E., and JOHNSON, T. Chemical properties and different value of early- and latewood as raw material for sulphite pulp production. 2 p. Transl. 15073
Translation from Zellstoff und Papier 7:49-50. n.d.

HOU, T. P. Scientific-technical achievements of the Chinese chemical industry. 11 p. (JPRS 4517; CSO 1308-S) Transl. 14808

Translation from K'uo-hsueh Hsin-wen 30:22-25,28. Sept.28,1959.

ILLJIN, M. Distribution of employees' personal incomes according to work results in agricultural cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 396:43-85. Oct.13,1965. (JPRS 32,382; TT 65-32872) 173 J663Ste

Translation from Glasnik 7:11-41. July 1965.

IONESCU, N. Plant protection as a factor in assuring large grain and industrial crops. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:22-26. June 14,1965. (JPRS 30,605) 173 J663Ste

Translation from Probleme Agricole 3:4-7. March 1965.

*ISAKOV, D., and TRIFUNOVIC, DJ. The effect of adding lard to mixtures for fattening broilers. J. Sci. Agr. Res. 17(58):83-90. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae

ITSKOVICH, E. A. The direction of stresses in wood following its penetration by a cutting tool. 5 p. Transl. 15180

Translation from Lesnoi Zhurnal 3:114-118. 1963.

JASZCZEWSKA, D. A contribution to the morphology of the bovine thyroid gland. Folia Morphol. 23(3):278-282. 1964. 444.8 F71Ae

JOZWIAK, M., and RATAJCZAK, K. Discussion of rural taxation based on land ownership or income. 340:11-22. Feb.17,1965. (JPRS 28,798) 173 J663Ste

Translation from Zycie Gospodarcze 40:9 Oct.4,1964; 50:8. Dec.13,1964.

*KAZARYAN, V. O., BALAGEZYAN, N. V., and KARAPETYAN, K. A. Influence of the fruits of apple trees on the physiological activity of the leaves. Soviet Plant Physiol. 12(2):265-269. Ref. Mar./Apr.1965. 450 F58Ae

KEGELES, E. S. Definition of the coefficient of friction at sliding of eggs along the work surfaces. 8 p. Transl. 15709

Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 6:52-53. 1964.

*KERIMKHANOV, S. U. Soil erosion in the forest-steppe belt of southern Dagestan. Soviet Soil Sci. 5:510-514. May 1965. 57.8 P34Ae

KIEV. INSTITUT FIZIOLOGII RASTENII. Trace elements in the life of plants, animals, and humans, edited by P. A. Vlasick. 47 p. (JPRS: 31,616; TT: 65-32111; CSO: 11533-D.) 386.2 K542Ae

Partial translation of Mikroelementy v Zhizni Rastenii, Zhivotnykh i Cheloveka.

KIRALYI, E. State farms, their status and their tasks. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 367:1-10. June 14,1965. (JPRS 30,605) 173 J663Ste

Translation from Tarsadalmi Szemle 5:45-52. May 1965.

*KORNEVA, E. I. On the dormant period of peppermint rootstock. Soviet Plant Physiol. 12(2):270-273. Mar./Apr.1965. 450 F58Ae

KRAMOROV, YU., and SEMENYAK, YU. A. Prospects of application of the high-frequency electromotors in animal husbandry. 9 p. Transl. 15745

Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 3:46-48. 1961.

KRASHENINNIKOV, S. N. Examination of separation of potato tubers from the lumps of soil and stones by an air current. 7 p. Transl. 15744

Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 6:38-40. 1962.

KRUMBIEGEL, D. Crop and weather report—review of the 1964 vegetation period. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 340:1-5. Feb.17, 1965. (JPRS 28,798) 173 J663Ste

Translation from Die Deutsche Landwirtschaft 1 (sup.). Jan.1965.

*KRYM, I. YA. Forms of microelements in some soils of the Or'-Kumak watershed. Soviet Soil Sci. 5:490-499. Ref. May 1965. 57.8 P34Ae

KRZYWONOS, J. Cattle husbandry difficulties. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:71-76. Feb.16,1965. (JPRS 28,779) 173 J663Ste

Translation from Zycie Gospodarcze 47:8. Nov.1964.

*KULIK, N. F. Light-weight stem for a hand auger and formulas for computing the amount of work spent on boring. Soviet Soil Sci. 5:525-527. May 1965. 57.8 P34Ae

*KUZNETSOV, N. T., SHELYAKINA, O. A., and KLYUKANOVA, I. A. Physicochemical properties of suspended sediments in the Amu-Dar'ya River Delta. Soviet Soil Sci. 5:503-509. May 1965. 57.8 P34Ae

LASSOTA, Z. The action of gamma-rays on eggs, larvae and pupae of Bombyx mori. 8 p. Transl. 15254

Translation from Acta Biochimica Polonica 10(4):379-386. 1963.

*LEKIC, M. Codling moth [Laspeyresia pomonella] and oriental fruit moth [Grapholitha molesta] as pear tree pests in some regions of Serbia. J. Sci. Agr. Res. 17(58):101-110. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae

LI, C. C., and LI, P. E. Transfer grain processing to the villages in a planned manner. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 55:18-19. Aug.24,1965. (JPRS 31,673; TT 65-32168) 173 J663Tram

Translation from Jen-min Jih-pao July 9, 1965:1.

LIANG, H. F. The establishment of stable high-yield farmland in China. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 11:20-31. Feb.10,1965. (JPRS 28,701) 173 J663Trf

Translation from Ching-chi Yen-chiu 11:13-20. Nov.20,1964.

LINDBERG, G. U. Terrestrial zoogeography and fluctuations in sea level. U. S. Joint Publ. Res. Serv. Transl. Zool. Zh. 43(3):385-397, map. Ref. 1964. (JPRS 26,372; TT 64-41631) 173 J663Tzo

Translation from Zoologicheskii Zhurnal 43 (3):385-397. 1964.

*LISHTVAN, I. I., MAMTSIS, A. M., and PETRUKHIN, V. P. Study of the acidity of peat-bog soils. Soviet Soil Sci. 5:500-502. May 1965. 57.8 P34Ae

*LITVIN, F. F., I-T'AN, H., and EFIMTSEV, E. I. A polarographic method for studying the kinetics and action spectra of photosynthesis. Soviet Plant Physiol. 12(2):313-319. Ref. Mar./Apr.1965. 450 F58Ae

LIUBUSHKO, N. I. Elaboration of the colters for working on speeds of 9-15 km per hour. 16 p. Transl. 15761

Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:18-22. 1964.

*LUTKOVA, I. N., and OLESHKO, P. M. Effect of an electric current during stratification of cherry seeds. Soviet Plant Physiol. 12(2):201-204. Mar./Apr.1965. 450 F58Ae

MARINCE, W. State farm economic results for 1963-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:60-70. Feb.16,1965. (JPRS 28,779) 173 J663Ste

Translation from Nowe Rolnictwo 23(13):2-6. Dec.1964.

- *MATYUKHINA, L. G., SHMUKLER, V. S., and RYABININ, A. A. Triterpenes from the bark of *Alnus subcordata* C.A.M. J. Gen. Chem. USSR 35(3):576-577. Mar.1965. 385 Z6Ae
- MEERDINK VELDBOOM, H. The new timber impregnating plant of the Netherlands railways in Dordrecht. 8 p. Transl. 14339
Translation from Holzschwelle 58(42):1-15. 1963.
- MEUER, A., and HORN, K. Results and problems of the 1970 agricultural manpower balance sheets. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 398:1-20, map. Oct.27,1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Translation from Zeitschrift fur Agrarökonomie 8(9):282-288. Sept.1965.
- *MITIC, N., and others. Comparative tests of singles and twins in intensive fattening for good quality lamb. J. Sci. Agr. Res. 17(58):53-72. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae
A. Ognjanovic, D. Zeremski, and Z. Gajic, joint authors.
- MOLNAR, J., and CSIKVARY, L. The chemical industry and livestock raising. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 340:6-10. Feb.17,1965. (JPRS 28,798) 173 J663St3
Translation from Magyar Mezogazdasag 20 (1):12-13. Jan.6,1965.
- MURADYAN, A. V. Means of preventing mastitis in cows. 4 p. (TT 62-10654) Transl. 15315
Translation from Veterinariya 12:13-14. Dec. 1961.
- MUSIEROWICZ, A. Some microelements in soils. 24 p. Ref. (OTS 61-31323) Transl. 14316
Translation from Roczniki Gleboznawcze 9: 3-25. 1960.
- NEMODRUK, A. A. Analytical chemistry of boron. 236 p. (Series: Analytical Chemistry of Elements) QD181.B1N43
Translation of Analiticheskaya Khimiya bora.
- *NIKOLIC, D., SIMOVIC, B., and PECAR, S. Production capacity of Red Danish cattle reared under Yugoslav condition. J. Sci. Agr. Res. 17(58):33-52. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae
- *NIKOLIC, M., and SRECKOVIC, A. The effect of degermed corn in combination with some protein nutrients for bacon fattening. J. Sci. Agr. Res. 17(58):91-100. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae
- *OSIPOVA, O. P., and ASHUR, N. I. Chloroplast structure in maize grown under various conditions of illumination. Soviet Plant Physiol. 12(2):217-224. Ref. Mar./Apr.1965. 450 F58Ae
- *OSTROUMOV, A. I. Immunological characteristics of the pollen of *Ambrosia artemisiaefolia*. Bull. Exp. Biol. Med. 58(12):1449-1452. Dec.1964. 442.8 B87Ae
- O, U. G. The strengthening of technical guidance in agricultural production is the foundation of entrepreneurial guidance. U. S. Joint Publ. Res. Serv. Econ. Rep. N. Korea 166:22-28. Oct.5,1965. (JPRS: 32,271; TT 65-32761) 173 J663Er
Translation from Nodong Sinmun Sept.5, 1965:2.
- *PALETSKAYA, L. N., and others. Grigoriy Il'ich Dolenko. Soviet Soil Sci. 5:585-586. May 1965. 57.8 P34Ae
Ye. V. Lobova, A. P. Lavrov, I. S. Rabochev, A. G. Babayev, F. F. Trapeznikov, V. P. Kostyuchenko, and A. K. Nosov, joint authors.
- PARSHIKOV, V. M. The performance of the Institute of Botany of the Ukrainian Academy of Science in 1962. U. S. Joint Publ. Res. Serv. [Transl.] Activ. Acad. Sci. Ukr. SSR, Sept.12,1963:37-49. (JPRS 21,058; OTS 63-31753; CSO 1878-D) 173 J663Ack
Translation from Ukrains'kyi Botanichnyi Zhurnal 20(2):115-121. 1963.
- PASKALEV, S. The dynamics and structure of fixed assets in TKZS's (cooperative farms). U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 362:1-17. May 26,1965. (JPRS 30,248) 173 J663Ste
Translation from Ikonomicheskia Misul 2:44-58. Feb.1965.
- *PASTUKHOVA, V. M. Improvement of formative processes in the generative organs of wheat at early sowing dates. Soviet Plant Physiol. 12(2):301-305. Mar./Apr.1965. 450 F58Ae
- *PAVLOV, A. N., and KOLESNIK, T. I. Study of the use of nitrogen in the synthesis of various proteins in corn grains using N15. Soviet Plant Physiol. 12(2):242-244. Mar./Apr.1965. 450 F58Ae
- PAVLOVSKII, E. N., and KOROPOV, V. M. Activities of the Kazan' Veterinary Institute [Kazan Veterinarnyi Institut], 8 p. (JPRS 22,629; OTS 64-21220; CSO 1878-D) Transl. 14220
Translation from Veterinariya 6:20-26. June 1963.
- PODDUBNAYA-ARNOL'DI, V. A., and others. Histochemical study of pollen and pollen tubes of some angiospermous plants. 34 p. Ref. (OTS 64-11080) Transl. 14833
N. V. Tsinger, T. P. Petrovskaya, and N. N. Polunina, joint authors.
Translation from Akademiya Nauk SSSR, Glavnyi Botanicheskii Sad. Trudy 8:162-195. 1961.
- POPESCU, O., and GHETIE, G. Reserves for reducing cost price in machine and tractor stations. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 367:27-44. June 14,1965. (JPRS 30,605) 173 J663Ste
Translation from Probleme Economice 18(2): 45-59. Feb.1965.
- PROKHOROVA, J. F. Effects of polymeric coatings on adherence of the soil to the vibrating working surfaces. 10 p. Transl. 15738
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:4-6. 1963.
- RADULESCU, E., and MANOLACHE, C. Achievements and prospects of plant protection research. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 367:13-21. June 14,1965. (JPRS 30,605) 173 J663Ste
Translation from Probleme Agricole 3:8-13. March 1965.
- REHM, E. Concerning a previously-unknown sense organ of the honey bee. 3 p. Transl. 14918
Translation from Deutsche Zoologische Gesellschaft, Verhandlungen 44:112-116. 1950.
- REIFER, I., and BURACZEWSKA, L. Enzymes and substrates of the ornithine cycle in perennial rye grass (*Lolium perenne*). 6 p. (OTS 61-11325) Transl. 14311
Translation from Acta Biochimica Polonica 6(2):227-233. 1959.
- ROSENKRANZ, O. Status and further development of industrial-scale production of field crops of socialist agricultural enterprises. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest. Food Indus. 362:18-40. May 26,1965. (JPRS 30,248) 173 J663Ste
Translation from Zeitschrift fur Agrarökonomik 8(2/3):37-45. Feb./Mar.1965.
- *ROSIC, K., and MISOVIC, M. The effect of spacial isolation on the yield and quality of a hybrid corn kernel. J. Sci. Agr. Res. 17(58): 111-120. 1964. (TT 64-11453/4) 21.5 Y9Ae
- *RUBIN, B. A., CHERNAVINA, I. A., and KRENDELEVA, T. E. On the role of flavo- and copper-protein enzymes in the oxidative metabolism of variegated plants. Soviet Plant Physiol. 12(2):176-179. Mar./Apr.1965. 450 F58Ae
- *RVACHEV, V. P., and PALAMARYUK, V. E. On the problem of calculating the quantum yield of photosynthesis. Soviet Plant Physiol. 12(2):320-323. Ref. Mar./Apr.1965. 450 F58Ae

- *RYBALKO, K. S., and SHEICHENKO, V. I. Structure of grosshemin, a sesquiterpene lactone from *Grossheimia macrocephala* (Muss.-Puschk.) D. Sosn. et Takht. J. Gen. Chem. USSR 35(3):578-581. Mar. 1965. 385 Z6Ae 385 Z6Ae
- RYKOV, V. N. Determination of the dynamic equilibrium moisture. 6 p. Transl. 15724
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 5:51-52. 1964.
- RZENDOWSKI, L. Agriculture and the economic development of Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:1-22. Feb. 16, 1965. (JPRS 28,779) 173 J663Ste
Translation from *Ekonomista* 5:1096-1113. 1964.
- *SAMORODOVA-BIANKI, G. V. On the interrelationship between flavonol and ascorbic acid accumulation in black-currant berries. Soviet Plant Physiol. 12(2):180-184. Ref. Mar./Apr. 1965. 450 F58Ae
- *SAMUILOV, F. D. A study of interrelationship between respiration and absorption of water in corn plants with the aid of heavy water (D₂O). Soviet Plant Physiol. 12(2):192-200. Ref. Mar./Apr. 1965. 450 F58Ae
- *SAVITSKAYA, N. N. Free amino acids in barley plants under conditions of soil water deficiency. Soviet Plant Physiol. 12(2):298-300. Ref. Mar./Apr. 1965. 450 F58Ae
- SCHMIDT, H., and BUCHHOLZ, G. Behaviour and boring activity of the larva of *Lyctus brunneus* Stephens. 5 p. Ref. Transl. 15192
Translation from *Holzforchung und Holzverwertung* 16(3):46-49. 1964.
- SCHULZ, G., and STARFINGER, K. Fungicidal effectiveness of various coal tar creosotes. 8 p. Transl. 14343
Translation from *Deutsche Gesellschaft fur Holzforchung. Mitteilung* 48:53-56. 1961.
- SERWATKA, S., and KOBRYN, H. A case of cephalothoracopagus in a lamb. *Folia Morphol.* 23(2):170-175. 1964. 444.8 F71Ae
- SHARKOV, V. I. Study of supermolecular structure of cellulose using hydrolysis and ethanolysis. 17 p. Transl. 14932
Translation from *Symp. u. aktuelle Fragen der Chem. u. Tech. des Zellstoffes* 1961:23-42.
- SHEFTER, YA. I. Principles of computation of optimization of the parameters of wind-aggregates. 17 p. Transl. 15725
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 6:41-44. 1964.
- *SHEVYAKOVA, N. I., and LOSHADKINA, A. P. Variation of the sulfhydryl group content in plants under conditions of salinization. Soviet Plant Physiol. 12(2):280-286. Ref. Mar./Apr. 1965. 450 F58Ae
- *SHUL'GIN, I. A. Influence of spectral composition and light intensity on the development of plants during various photoperiods. Soviet Plant Physiol. 12(2):245-254. Ref. Mar./Apr. 1965. 450 F58Ae
- SKULMOWSKA-KRYSZKOWSKA, D., and LARSKI, Z. Changes in transaminase activity (GOT and GPT) in the allantoic fluid of chick embryos infected with Newcastle virus. *Exp. Med. Microbiol.* 16(1/2):58-63. 1964. (OTS 64-11411/1-2) 448.8 Ex7Ae
Translation from *Medycyna Doswiadczalna i Mikrobiologia*.
- *SMIRNOV, K. V., and PEREPELTSYNA, E. P. On the effect of gibberellin on seedless varieties of vine and their processing products. Soviet Plant Physiol. 12(2):259-264. Ref. Mar./Apr. 1965. 450 F58Ae
- *SOKOLOV, I. A., and KARAYEVA, Z. S. Migration of humus and some elements in the profile of volcanic forest soils of Kamchatka. Soviet Soil Sci. 5:467-475. Ref. May 1965. 57.8 P34Ae
- *SOLOV'EV, V. P., and ZAKHAROVA, N. I. A polarographic method of determining manganese in plant ash. Soviet Plant Physiol. 12(2):306-309. Ref. Mar./Apr. 1965. 450 F58Ae
- SOLT, I. The development and tasks of the dairy industry. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 398:64-74. Oct. 27, 1965. (JPRS 32,573; TT 65-33052) 173 J663Ste
Translation from *Elmelmesi Ipar* 6:161-165. June 1965.
- *SPIRIDONOVA, N. S. Effect of ascorbic acid on the translocation of water in plants. Soviet Plant Physiol. 12(2):287-288. Ref. Mar./Apr. 1965. 450 F58Ae
- SRAPENYANTZ, R. A., and SAID-KHODZHAEV, S. A. Radio-isotopic method of separating potato tubers from clumps of soil and stones. 15 p. Transl. 15732
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 6:40-43. 1962.
- STRYJEWSKI, F. Vertical drainage. 17 p. Ref. (OTS 61-31309) Transl. 14310
Translation from *Gospodarka Wodna* 18(9):390-396. 1958.
- SZEMBERG, A. Agrarian structure in people's Poland and its evolution during the past 10 years. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 339:23-59, map. Feb. 16, 1965. (JPRS 28,779) 173 J663Ste
Translation from *Ekonomista* 5:1151-1179. 1964.
- TERRACCiano, A. The species of genus *Brachychiton*. 12 p. Ref. Transl. 15726
Translation from *Bolletino del R. Orto Botanico di Palermo* 1(2):50-64. 1897.
- THEDEN, G. Experience with the ASTM [American Society for Testing Materials] soil block technique for testing of fungicidal effectiveness. 8 p. Ref. Transl. 14342
Translation from *Deutsche Gesellschaft fur Holzforchung. Mitteilungen* 48:9-13. 1961.
- *TRIFONOV, YU. A. Biophysics of complex systems and mathematical models; analysis of the electroretinogram of the pigeon. *Biophysics* 9(3):382-392. Ref. 1964. 442.8 B529 442.8 B529Ae
Translation from *Biofizika*.
- TSOUMIS, G. Investigations on moisture content variation of seasoned wood. 18 p. Ref. Transl. 14340
Translation from *Holz als Roh-und Werkstoff* 18(11):415-422. 1960.
- UGOLEV, B. N. Determination of the rheological properties of wood. 7 p. Transl. 15190
Translation from *Derevoobrabatyvayushchaya Promyshlennost* 12(2):17-19. Feb. 1963.
- URUSHADZE, A. YA. Dry tissue vaccine virus for infectious laryngotracheitis of hens. 6 p. Transl. 14535
Translation from *Veterinariya* 8:21-24. Aug. 1964.
- USMANOV, KH. U., and KHAKIMOV, KH. Effect of nature of liquids on heat of wetting of cellulose samples. 3 p. Transl. 14984
Translation from *Akademiya Nauk Uzbekskoi SSR. Doklady* 1:35-36. 1961.
- USMANOV, KH. U., and KHAKIMOV, I. KH. Heats of wetting of cotton cellulose and cellulose-hydrate in aqueous solutions of formic and acetic acid. 4 p. Transl. 14983
Translation from *Akademiya Nauk Uzbekskoi SSR. Doklady* 6:38-40. 1961.
- VAGIN, P. I. Utilization of reflexes of animals in system of automatic control and regulation. 9 p. Transl. 15729
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 4:27-29. 1963.

- *VAULINA, E. N., and ANIKEYEVA, I. D. Evaluation of the productiveness of strains of *Chlorella* in liquid culture. *Biophysics* 9(3):426-428. 1964. 442.8 B529Ae
Translation from *Biofizika*.
- VIKHROV, V. E. Structure and physicomachanical properties of spring- and summerwood of oak. 11 p. Ref. (OTS 64-11070) Transl. 14838
Translation from *Akademiya Nauk SSSR. Institut Lesa. Trudy* 9:29-38. 1953.
- VOTYAKOV, V. I., and PROTAS, I. I. Course of experimental infection in sheep infected with strains of tick-borne encephalitis-virus isolated in different geographic zones of the USSR. 14 p. Ref. (JPRS 32,992; TT 65-33569; CSO 9983-N) Transl. 15690
Translation from *Voprosy Virusologii* 10(4): 454-462. July/Aug. 1965.
- VREJBA, S., and JIANU, E. The place and role of agriculture in the national economic development of Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 340:23-31. Feb. 17, 1965. (JPRS 28,798) 173 J663Ste
Translation from *Probleme Agricole* 12:4-10. Dec. 1964.
- WALDEMAR, A. Wood and electronics. 14 p. Transl. 15461
Translation from *Paperi ja Puu* 47(3):109-121. 1965.
- *YARKIN, I. G. Method of pressing solutions out of rocks. *Soviet Soil Sci.* 5:521-524. Ref. May 1965. 57.8 P34Ae
- YAZAWA, K. On the prevention of discoloration and decay and on the artificial formation of heartwood in beech. 6 p. Transl. 14593
Translation from *Noyaku No Shinpo* 5(3). July 1959.
- YLOUSES, G. L. DES. Thermal balance in hives. 1 p. Transl. 14922
Translation from *Apiculteur* 108(4):94-96. Apr. 1964.
- YURKEVICH, I. D., and SMALYAK, L. P. Problems in some subdivisions of biological science in the light of resolutions of the December Plenum of the Central Committee of CPSU. 15 p. (JPRS 25,812; TT 64-41083; CSO 9265-N) Transl. 14253
Translation from *Beloruskaya Akademiya Navuk. Seriya Biyalahichnykh Navuk. Vestsi* 1: 5-14. 1964.
- *ZAK, E. G. Influence of molecular oxygen on the formation of amino acids during photosynthesis in *Chlorella* under various conditions of illumination. *Soviet Plant Physiol.* 12(2): 225-229. Ref. Mar./Apr. 1965. 450 F58Ae
- ZALESSKY, M. G., and others. Study of unloading silage by the clam shell. 9 p. Transl. 15713
M. I. Tverskoi, N. I. Khatzinov, and A. Z. Stolbovoi, joint authors.
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 5:34-36. 1962.
- *ZARALOV, O. A., and GUBAR, G. D. Secretion of nectar in buckwheat under various influences in connection with the process of respiration. *Soviet Plant Physiol.* 12(2):210-216. Ref. Mar./Apr. 1965. 450 F48Ae
- *ZAYDEL'MAN, F. R., and OGLEZNEV, A. K. Change in the chemical properties of sod-podzolic soils under the influence of gleization. *Soviet Soil Sci.* 5:457-466. Ref. May 1965. 57.8 P34Ae
- *ZENCHENKO, V. A. Nonenzymatic oxidation in embryos of wheat seeds of northern origin. *Soviet Plant Physiol.* 12(2):205-209. Ref. Mar./Apr. 1965. 450 F58Ae
- *ZHOLKEVICH, V. N., CHETVERIKOV, A. G., and ROGACHEVA, A. YA. On the probable participation of free radicals in biological processes of energy transfer. *Soviet Plant Physiol.* 12(2):167-175. Ref. Mar./Apr. 1965. 450 F58Ae
- *ZIMOVETS, B. A. Characteristics of the accumulation and redistribution of iron in the forest soils of the Amur region. *Soviet Soil Sci.* 5: 482-489. Ref. May 1965. 57.8 P34Ae
- *ZIVKOVIC, R. Caucasian rams in the improvement of some properties of precose ewes. *J. Sci. Agr. Res.* 17(58):5-32. Ref. 1964. (TT 64-11453/4) 21.5 Y9Ae
- ZULINSKI, T. Leukemia in cattle. 11 p. (OTS 63-26694) Transl. 15467
Translation from *Medycyna Weterynaryjna* 18 (3):131-137. 1962.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Marketing Research Reports

BRAMLAGE, W. J., and LIPTON, W. J. Gamma radiation of vegetables to extend market life. U. S. D. A. Marketing Res. Rep. 703,16 p. Ref. Oct.1965. 1 Ag84Mr

TAYLOR, E. G. Boston wholesale food distribution facilities. U. S. D. A. Marketing Res. Rep. 732,89 p.,map. Dec.1965. 1 Ag84Mr

Miscellaneous Publications

U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Soil and water conservation research. U. S. D. A. Misc. Publ. 850,8 p.-folder,map. Dec.1965. 1 Ag84M

Program Aid

U. S. FOREST SERV. Skiing, National Forests, America's playgrounds. U. S. D. A. PA 525,16 p.,map. Jan.1966. 1 Ag84Pro

U. S. SOIL CONSERVATION SERV. What is a farm conservation plan? U. S. D. A. PA -629, slightly rev., 8 p.,map. Oct.1965. 1 Ag84Pro

LINN, A. How to teach sewing machine use and care. U. S. D. A. PA -701,50 p. Jan.1966. 1 Ag84Pro

Unnumbered Publications

BRADY, N. C. Principles of agricultural research management in the United States; talk before OECD Committee for Agriculture, Paris, France, October 19, 1964. Washington, U. S. D. A., 1964. 21 p. A31.3 B72

U. S. DEPT. OF AGRICULTURE. Summary of actions on pesticide programs. Washington, 1965. 11 p. A79 Ag8S

U. S. NATIONAL AGRICULTURAL RESEARCH ADVISORY COMMITTEE. Report and recommendations regarding problem areas needing emphasis in the further development of the agricultural research program of the United States Department of Agriculture, developed and adopted at the meeting held in Washington, D. C., April 29-30, 1965. Washington, U. S. D. A., Res. Program Develop. Evaluation Staff, 1965. 9 p. A31.3 Ag89S

AGRICULTURAL RESEARCH SERVICE

ANDERSON, R. J. Keeping meat free of agricultural chemicals and biologics; talk before the National Livestock Feeders Association, Chicago, Illinois, February 18, 1965. Washington, U. S. Agr. Res. Serv., 1965. 5 p. A31.3 Ar2

ANDERSON, R. J. The responsibilities of veterinary practitioners as to the use of pesticides; talk before the Regulatory Section of the American Veterinary Medical Association, Portland, Oregon, July 14, 1965. Washington, U. S. Agr. Res. Serv., 1965. 6 p. A31.3 Ar2

BRUUN, J. H., and others. Thermal insulation for building construction. U. S. Agr. Res. Serv. ARS-20-13,40 p. Ref. Aug.1965. A31.3 R31Ar

H. C. Speel, F. A. Joy, and J. R. Matchett, joint authors.

COTTONSEED PROCESSING CLINIC, NEW ORLEANS, LA., 1964. Proceedings. U. S. Agr. Res. Serv. ARS-72-40,80 p. Ref. Oct. 1965. A381 R31

DAWSON, W. M. Studies of the inheritance of intelligence and temperament in dogs. U. S. Agr. Res. Serv. ARS 44 -163,4 p. Aug.1965. A49.9 R31A

DRY BEAN RESEARCH CONFERENCE, 7, ITHACA AND GENEVA, NEW YORK, 1964. [Report]. U. S. Agr. Res. Serv. ARS-74-32, 94 p. July 1965. A381 R31Ab

Sponsored by National Dry Bean Council, U. S. Department of Agriculture, and State Agricultural Experiment Stations. Prepared in the Western Regional Research Laboratory, Western Utilization Research and Development Division of the Agricultural Research Service of USDA.

HARMOND, J. E. Precision vacuum-type planter head. U. S. Agr. Res. Serv. ARS-42-115,4 p. Oct.1965. A58.9 R31

Oregon Agricultural Experiment Station, cooperating.

HOLT, R. F., and others. Production factors for corn in the northwest Corn Belt area. U. S. Agr. Res. Serv. ARS-41-110,38 p. Oct.1965. A56.9 R31

D. R. Timmons, R. R. Allmaras, A. C. Caidwell, C. E. Gates, and F. E. Shubeck, joint authors.

South Dakota and Minnesota Agricultural Experiment Stations, cooperating.

IRVING, G. W. The role of USDA research on mycotoxins and crop marketing programs; talk before the annual meeting of the Institute of Food Technologists, Kansas City, Missouri, May 18, 1965. Washington, U. S. Agr. Res. Serv., 1965. 9 p. 1.913 A21r8

JENSEN, M. E., and SLETTEN, W. H. Effects of alfalfa, crop sequence, and tillage practice on intake rates of Pullman silty clay loam and grain yields. U. S. Agr. Res. Serv. Conserv. Res. Rep. 1,25 p. Aug.1965. A279.9 Ag8

Texas Agricultural Experiment Station, cooperating.

JENSEN, M. E., and SLETTEN, W. H. Evapotranspiration and soil moisture-fertilizer interrelations with irrigated grain sorghum in the southern Great Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 5,27 p. Ref. Aug. 1965. A279.9 Ag8

Texas Agricultural Experiment Station, cooperating.

JENSEN, M. E., and SLETTEN, W. H. Evapotranspiration and soil moisture-fertilizer interrelations with irrigated winter wheat in the southern High Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 4,26 p. Ref. July 1965. A279.9 Ag8

Texas Agricultural Experiment Station, cooperating.

JOHNSON, W. C. Wind in the southwestern Great Plains. U. S. Agr. Res. Serv. Conserv. Res. Rep. 6,65 p. Ref. Dec.1965. A279.9 Ag8

Texas Agricultural Experiment Station, cooperating.

KRUSE, E. G., HUNTLEY, C. W., and ROBINSON, A. R. Flow resistance in simulated irrigation borders and furrows. U. S. Agr. Res. Serv. Conserv. Res. Rep. 3,56 p. Ref. Nov. 1965. A279.9 Ag8

Colorado Agricultural Experiment Station, cooperating.

MCFADDEN, M. W., and RUBIO, R. E. P. Compounds affecting the reproductive capacity of the Mexican fruit fly [*Anastrepha ludens*]. U. S. Agr. Res. Serv. ARS-33-108,5 p. Oct. 1965. A420 R31

PALMER, R. S. Causes, control, and prevention of gullies at various New England locations. U. S. Agr. Res. Serv. Conserv. Res. Rep. 2,34 p.,map. Ref. July 1965. A279.9 Ag8

New Hampshire Agricultural Experiment Station, cooperating.

STUDY GROUP CONFERENCE ON MYCOPLASMA GALLISEPTICUM INFECTION IN CHICKENS AND TURKEYS, 2, WASHINGTON, D. C., 1965. Report. U. S. Agr. Res. Serv. ARS 91-55,16 p. Nov.1965. A41.9 R315Ar

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. Salicaceae of Nevada. U. S. Agr. Res. Serv. Nat. Arboretum Crops Res. Div. Contrib. Flora Nev. 50,59 p. 1965. 1.965 P2C76

U. S. AGRICULTURAL RESEARCH SERV. SOUTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. SOUTHERN REGIONAL RESEARCH LABORATORY. Outline: process to produce low-calorie peanuts. New Orleans, La., 1965? 5 p. A77 R312

WOOLHISER, D. A., and SAXTON, K. E. Computer program for the reduction and preliminary analyses of runoff data. U. S. Agr. Res. Serv. ARS-41-109,33 p. Oct.1965. A56.9 R31

Wisconsin Agricultural Experiment Station, cooperating.

ECONOMIC RESEARCH SERVICE

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Farm real estate taxes, recent trends and developments. U. S. D. A. Econ. Res. Serv. RET-5,14 p.,map. Oct.1965. 1.9 Ec7Farm

FARMER COOPERATIVE SERVICE

MCVEY, D. H. Grain cooperatives. U. S. Farmer Coop. Serv. Bull. Reprint 1,20 p.,map. 1965. A280.29 F22Bu

FOREST SERVICE

ADAMS, T. C., and HAMILTON, T. E. Value and employment associated with Pacific Northwest log exports to Japan. U. S. Forest Serv. Res. Paper PNW 27,15 p. 1965. A99.9 F7625Uni

ANDERSON, L. O. Guides to improved framed walls for houses. U. S. Forest Serv. Res. Paper FPL 31,28 p. Aug.1965. A99.9 F7634U

ANDERSON, L. O., and SMITH, W. R. Houses can resist hurricanes. U. S. Forest Serv. Res. Paper FPL 33,48 p. Aug.1965. A99.9 F7634U

BARRES, H. Rooting media for growing pine seedlings in hydroponic culture. U. S. Forest Serv. Inst. Trop. Forest. Res. Note ITF-2,4 p. Dec.1964. A99.9 F7637N

BRISCOE, C. B., and CHUDNOFF, M. Counting tree growth rings moderately difficult to distinguish. U. S. Forest Serv. Inst. Trop. Forest. Res. Note ITF-1,3 p. Dec.1964. A99.9 F7637N

BROWN, H. J. Publications of the Southeastern Forest Experiment Station, 1959-1963. U. S. Forest Serv. Southeast. Forest Exp. Sta. Sta. Pap. 117(sup.),71 p. Sept.1965. 1.9622 S4St2

CHUDNOFF, M., and MALDONADO, E. D. Preservative treatments and service life of fence posts in Puerto Rico. U. S. Forest Serv. Res. Pap. ITF-1,31 p. Ref. Dec.1964. A99.9 F7637

COWLIN, R. W. The timber situation and outlook for northwest Oregon. U. S. Forest Serv. Resource Bull. PNW -12,56 p.,map. Ref. 1965. A99.9 F7625Un

FERGUSON, R. H., and JENSEN, V. S. The timber resources of New Hampshire. U. S. Forest Serv. Resource Rep. NE-1,46 p.,map. 1963. A99.9 F7622Uf

FORD, R. P., TALERICO, R. L., and MOTT, D. G. A field test of procedures for evaluating and scheduling white-pine weevil control. U. S. Forest Serv. Res. Note NE-37,4 p. 1965. A99.9 F7622U

GANSNER, D. A. Consumption and harvest of pulpwood in the Central States, 1964. U. S. Forest Serv. Res. Note CS-40,8 p.,map. Aug. 1965. A99.9 F7629

GANSNER, D. A. Consumption of cooperage logs in the Central States, 1964. U. S. Forest Serv. Res. Note CS-39,4 p.,map. Aug.1965. A99.9 F7629

GILBERT, A. M. Stand differentiation ability in northern hardwoods. U. S. Forest Serv. Res. Paper NE-37,34 p. Ref. 1965. A99.9 F7622Un

GRABER, R. E. Germination of eastern white pine [*Pinus strobus*] seed as influenced by stratification. U. S. Forest Serv. Res. Paper NE-36,9 p. 1965. A99.9 F7622Un

HOYLE, M. C. Growth of yellow birch [*Betula alleghaniensis*] in a Podzol soil. U. S. Forest Serv. Res. Paper NE-38,14 p. Ref. 1965. A99.9 F7622Un

JAMES, W. L. Effects of wood preservatives on electric moisture-meter readings. U. S. Forest Serv. Res. Note FPL-0106,20 p. Aug. 1965. A99.9 F7634Un

JENKINSON, P. M. Effect of core thickness and moisture content on mechanical properties of two resin-treated paper honeycomb cores. U. S. Forest Serv. Res. Paper FPL 35,24 p. Sept.1965. A99.9 F7634U

Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.

KUENZI, E. W., BOHANNAN, B., and STEVENS, G. H. Buckling coefficients for sandwich cylinders of finite length under uniform external lateral pressure. U. S. Forest Serv. Res. Note FPL-0104,26 p. Ref. Sept.1965. A99.9 F7634Un

Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.

LINDELL, G. R. Market opportunities for treated wooden guardrail posts in West Virginia. U. S. Forest Serv. Res. Note NE-36,6 p. 1965. A99.9 F7622U

LINDELL, G. R. Marketing West Virginia lumber to manufacturers in other states. U. S. Forest Serv. Res. Paper NE-35,20 p.,map. 1965. A99.9 F7622Un

LITTLE, S., and SOMES, H. A. Atlantic white-cedar being eliminated by excessive animal damage in south Jersey. U. S. Forest Serv. Res. Note NE-33,3 p. 1965. A99.9 F7622U

MARQUIS, D. A. Artificial light sources differ in effect on birch seedling growth. U. S. Forest Serv. Res. Note NE-35, 6 p. 1965. A99.9 F7622U

MARQUIS, D. A. Controlling light in small clearcuttings. U. S. Forest Serv. Res. Paper NE-39, 16 p. 1965. A99.9 F7622Un

SIMMONDS, F. A. Engelmann spruce [*Picea engelmanni*], subalpine fir [*Abies lasiocarpa*], and lodgepole pine [*Pinus contorta*] mixtures for bleached groundwood, kraft, and sulfite viscose-grade pulp. U. S. Forest Serv. Res. Paper FPL-38, 8 p. Sept. 1965. A99.9 F7634U

STEVENS, G. H. Effect of thermal cycling on tensile and compressive strength of reinforced plastic laminates. U. S. Forest Serv. Res. Paper FPL-37, 8 p. Aug. 1965. A99.9 F7634U
Issued in cooperation with the MIL-HDBK-17 Working Group on Plastics for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Forest Products Laboratory list of available publications on wood fiber products research. Madison, 1965. 35 p., map. 1.9 F761Cp

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. News and views of this kiln drying business: warp reduction. U. S. Forest Serv. Res. Note FPL-0108, 2 p. Sept. 1965. A99.9 F7634Un

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Wood and the homemaker. U. S. Forest Serv. Res. Note FPL-0107, 5 p. Sept. 1965. A99.9 F7634Un

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. 1963 Oregon log production. Portland, Oreg., 1964. 2 p. (Its Miscellaneous Publication) A99.9 F7625O

Issued earlier as its U. S. Forest Service resource bulletin PNW.

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Diamond Peak Wilderness, Deschutes and Willamette National Forests. Portland, Oreg., 1964. 32 p.-folder, map. A98.6 F762D

U. S. FOREST SERV. SOUTHERN REGION. Proceedings, Region 8, forest nurserymen's conferences, Morganton, N. C., Aug. 19-20, 1964, [and] Oklahoma City, Okla., Sept. 16-17, 1964. [Atlanta? 1964] 202 p. A99.9 F7693P
Includes welcome addresses by F. H. Claridge and D. E. Stauffer, and introduction by R. G. Hitt.

WILLIAMS, R. D. Plant large black walnut [*Juglans nigra*] seedlings for best survival and growth. U. S. Forest Serv. Res. Note CS-38, 5 p. Aug. 1965. A99.9 F7629

WILSON, L. F. European pine sawfly [*Neodiprion sertifer*]. U. S. Forest Serv. Forest Pest Leaflet 98, 8 p. Nov. 1965. A423.9 F764

WILSON, L. F., and SCHMIEGE, D. C. Pine root collar weevil [*Hylobius radialis*]. U. S. Forest Serv. Forest Pest Leaflet 39, rev., 7 p. Dec. 1965. A423.9 F764

MANAGEMENT, OFFICE OF

OMS LODESTAR CONFERENCE, 1, FREDERICKSBURG, VA., 1965. Managerial follow through. OMS heritage. Report. Washington, U. S. D. A. Office Manage. Serv., 1965. 49 p. A249.29 Of2

SOIL CONSERVATION SERVICE

NEW ENGLAND REGIONAL RAD CONFERENCE, BOSTON, MASS., 1964. Making RAD work in New England; technical papers. Amherst, Mass., U. S. Soil Conserv. Serv., 1964. 111 p. Ref. A281.9 N44

Includes opening remarks by R. P. Davison.

SALLEE, K. H., and HAMILTON, V. L. Soil survey of Scott County, Kansas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(33), 66 p., map. Ref. Dec. 1965. 1 S032F

Kansas Agricultural Experiment Station, cooperating.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

MARTIN, N. R., PARTENHEIMER, E. J., and STRICKLAND, P. L. Implications of allotments on optimum farm organization and supply relationships in two Alabama areas. Ala. Agr. Exp. Sta. Bull. 361,58 p.,map. Ref. Oct.1965. 100 AL1S

HIGHLIGHTS of agricultural research 12(4),16 p. Winter 1965. 100 AL1H

Arizona Agricultural Experiment Station, Tucson

MENZIE, E. L., FIRCH, R. S., and STULTS, H. M. Relationships between cotton quality and Commodity Credit Corporation pricing. Ariz. Agr. Exp. Sta. Tech. Bull. 165,30 p. Nov.1965. 100 Ar4

HILL, J. S., HILLMAN, J. S., and HENDERSON, P. L. Some economic aspects of the Arizona citrus industry. Ariz. Agr. Exp. Sta. Tech. Bull. 168,42 p. Oct.1965. 100 Ar4
U. S. Department of Agriculture, cooperating.

ERIE, L. J., FRENCH, O. F., and HARRIS, K. Consumptive use of water by crops in Arizona. Ariz. Agr. Exp. Sta. Tech. Bull. 169,44 p. Sept.1965. 100 Ar4

WENE, G., and others. Winter survival of the pink bollworm [*Pectinophora gossypiella*] in Arizona. Ariz. Agr. Exp. Sta. Tech. Bull. 170, 23 p. Ref. Nov.1965. 100 Ar4

L. W. Sheets, H. E. Woodruff, I. Pearson, and L. A. Carruth, joint authors.

Arkansas Agricultural Experiment Station, Fayetteville

STALLCUP, O. T., and DAVIS, G. V. Assessing the feeding value of forages by direct and indirect methods. Ark. Agr. Exp. Sta. Bull. 704, 30 p. Ref. Oct.1965. 100 Ar42

NOLAND, P. R., BROWN, C. J., and GIFFORD, W. Heritability of and genetic correlations among certain productivity traits in an inbred line of Poland China swine. Ark. Agr. Exp. Sta. Bull. 706,19 p. Ref. Feb.1966. 100 Ar42

TALBERT, R. E. Field evaluation of herbicides on vegetable crops, 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 148,19 p. Dec.1965. 100 Ar42M

Not available for free distribution. Photocopies may be ordered from the Library.

HUGHES, C. Southwest Arkansas cotton variety test for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 149,5 p. Jan.1966. 100 Ar42M

HUGHES, C. Eastern Arkansas cotton variety tests for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 150,14 p. Jan.1966. 100 Ar42M

YORK, J. O. Arkansas corn performance test for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 151,22 p. Jan.1966. 100 Ar42M

Not available for free distribution. Photocopies may be ordered from the Library.

FRANS, R. E., SMITH, H. R., and FULLERTON, T. M. Herbicide field evaluation trials on field crops and turf, 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 152,28 p. Jan.1966. 100 Ar42M

Not available for free distribution. Photocopies may be ordered from the Library.

YORK, J. O. Arkansas grain sorghum performance tests for 1965. Ark. Agr. Exp. Sta. Mimeogr. Ser. 153,12 p. Jan.1966. 100 Ar42M

Not available for free distribution. Photocopies may be ordered from the Library.

ANDREWS, L. D., and LANKFORD, L. T. Arkansas meat performance, egg phase, and reproduction test No. 9. Ark. Agr. Exp. Sta. Rep. Ser. 146,8 p.-folder. Dec.1965. 100 Ar42R
Arkansas Poultry Improvement Association, cooperating.

OFFUTT, M. S. Alfalfa performance trials in Arkansas, 1957 to 1964. Ark. Agr. Exp. Sta. Rep. Ser. 147,30 p. Ref. Feb.1966. 100 Ar42R

California Agricultural Experiment Station, Berkeley

FORKER, O. D. Economic adjustments for California's manufactured-dairy-products industry. Calif. Agr. Exp. Sta. Bull. 816,62 p., map. Ref. Aug.1965. 100 C12S

WAGNON, K. A. Social dominance in range cows and its effect on supplemental feeding. Calif. Agr. Exp. Sta. Bull. 819,32 p.,map. Nov.1965. 100 C12S

CALIFORNIA agriculture 19(10),15 p. Oct.1965. 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

HANSEN, R. M., and VAUGHAN, T. A. Plains pocket gopher studies. Colo. Agr. Exp. Sta. Colo. Progr. Rep. 164,2 p. Aug.1965. 100 C71C

Not available for free distribution. Photocopies may be ordered from the Library.

COLORADO, AGRICULTURAL EXPERIMENT STATION. Agricultural research serves Colorado; 78th annual report, 1964-1965. Fort Collins, 1965. 21 p. 100 C71S

COLORADO farm and home research 16(3),8 p. Nov./Dec.1965. 100 C712Co

Connecticut Agricultural Experiment Station, New Haven

FISHER, H. J. Commercial feeding stuffs, 1964; report on inspection. Conn. Agr. Exp. Sta. Bull. 675,135 p. Sept.1965. 100 C76St

Connecticut (Storrs) Agricultural Experiment Station, Storrs

WOELFEL, C. G., and others. Intake of water and the volume and composition of urine of Holstein male calves. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 6,10 p. Ref. June 1965. 100 C76Re
M. C. Calhoun, J. E. Rousseau, H. D. Eaton, and J. J. Lucas, joint authors.

Florida Agricultural Experiment Station, Gainesville

HENDRICKSON, R., and KESTERSON, J. W. By-products of Florida citrus. Fla. Agr. Exp. Sta. Bull. 698,76 p. Ref.,p.70-76. Oct.1965. 100 F66S

GODWIN, M. R., and MANLEY, W. T. Demand and competitive relationships for Florida and greenhouse-grown tomatoes. Fla. Agr. Exp. Sta. Bull. 703,22 p. Dec.1965. 100 F66S
U. S. Department of Agriculture, cooperating.

GODWIN, M. R., CHAPMAN, W. F., and MANLEY, W. T. Competition between Florida and California Valencia oranges in the fresh market. Fla. Agr. Exp. Sta. Bull. 704,28 p. Dec. 1965. 100 F66S
Florida Citrus Commission and U. S. Department of Agriculture, cooperating.

Georgia Agricultural Experiment Stations, Athens

BAIRD, D. M., and SELL, O. E. Evaluation of pastures for wintering brood cows and their calves. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 241,17 p. June 1965. 100 G293M

GEORGIA. AGRICULTURAL EXPERIMENT STATION. 1965 field crop variety trials. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)245,81 p. Jan.1966. 100 G293M

JONES, H. B. Economies of scale in egg packing plants under changing cost and technological conditions. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.)48,49 p.,map. Ref. Oct.1965. 100 G293T
U. S. Department of Agriculture, cooperating.

GEORGIA agricultural research 7(2),12 p. Fall 1965. 100 G295

Hawaii Agricultural Experiment Station, Honolulu

HAWAII farm science 14(2),8 p. Apr.1965. 100 H314

Idaho Agricultural Experiment Station, Moscow

KEITH, T. B., DAHMEN, J. J., and BELL, T. D. Diethylstilbestrol in steer-finishing rations as affected by level of protein intake. Idaho. Agr. Exp. Sta. Res. Bull. 68,15 p. Nov. 1965. 100 Id1

Indiana Agricultural Experiment Station, Lafayette

SCHALL, E. D., CARTER, A. S., and EIKENBERRY, J. G. Inspection of commercial fertilizers. Ind. Agr. Exp. Sta. Insp. Rep. 57,83 p. Spring 1965. 280.39 In22

ECKELMAN, C. A., and SUDDARTH, S. K. Temperature compensation of strain gage based electric force transducers. Ind. Agr. Exp. Sta. Res. Bull. 796,20 p. Ref. Mar.1965. 100 In2P

CALDWELL, R. M., and others. Harrison winter barley. Ind. Agr. Exp. Sta. Res. Bull. 801, 8 p. Aug.1965. 100 In2P

L. E. Compton, J. F. Schafer, and F. L. Patterson, joint authors.

U. S. Department of Agriculture, cooperating.

DAVIS, R. L., and others. Alfalfa trueness-to-type or variety testing. Ind. Agr. Exp. Sta. Res. Bull. 802,16 p. Aug.1965. 100 In2P

A. S. Carter, R. J. Buker, E. Coleman, and M. Schonhorst, joint authors.

STIVERS, R. K., and others. Small grain varieties for Indiana—characteristics, performance, 1961-65, and recommendations for 1966. Ind. Agr. Exp. Sta. Res. Bull. 805,12 p.,map. Jan.1966. 100 In2P

F. L. Patterson, O. W. Luetkemeier, M. L. Swearingin, L. E. Compton, R. M. Caldwell, J. F. Schafer, R. L. Gallun, and D. R. Griffith, joint authors.

U. S. Department of Agriculture, cooperating.

CRANE, P. L., PURDY, J. L., and DUCLOS, L. A. Performance of commercial dent corn hybrids in Indiana, 1962-1965. Ind. Agr. Exp. Sta. Res. Bull. 807,12 p.,map. Jan.1966. 100 In2P

PETERSON, R. C., and others. The effect of three nitrogen levels and corn supplementation on beef gains and yield per acre from tall fescue [*Festuca elatior arundinacea*] at the Forage Farm. Ind. Agr. Exp. Sta. Res. Progr. Rep. 180,4 p. Apr.1965. 100 In2Res

C. L. Rhykerd, G. O. Mott, and M. E. Heath, joint authors.

PETERSON, R. C., and others. Supplementing tall fescue [*Festuca elatior arundinacea*] winter pasture and round bales for the pregnant and lactating beef cow herd on the Forage Farm. Ind. Agr. Exp. Sta. Res. Progr. Rep. 181,3 p. Apr.1965. 100 In2Res

R. R. Garrigus, R. E. Erb, and M. E. Heath, joint authors.

CROMWELL, G. L., and others. Effect of frequency of feeding on performance and carcass characteristics of swine. Ind. Agr. Exp. Sta. Res. Progr. Rep. 202,5 p. Sept.1965. 100 In2Res

R. A. Pickett, J. R. Foster, and R. M. Peart, joint authors.

FUGATE, W. H., and others. Effect of ration preparation on performance and occurrence of ulcers in growing-finishing swine. Ind. Agr. Exp. Sta. Res. Progr. Rep. 203,6 p. Sept.1965. 100 In2Res

R. A. Pickett, T. W. Perry, and T. M. Curtin, joint authors.

STAFFORD, J. H., and SNYDER, J. C. Simulator program for feed manufacturing inventory control. Ind. Agr. Exp. Sta. Res. Progr. Rep. 208,24 p. Ref. Sept.1965. 100 In2Res

HOFF, J. E., and NELSON, P. E. An investigation of accelerated water-uptake in dry pea beans. Ind. Agr. Exp. Sta. Res. Progr. Rep. 211,13 p. Ref. Dec.1965. 100 In2Res

SCHAFER, J. F., and others. Clintford spring oats. Ind. Agr. Exp. Sta. Res. Progr. Rep. 213, 2 p. Jan.1966. 100 In2Res

F. L. Patterson, R. M. Caldwell, and L. E. Compton, joint authors.

COMPTON, L. E., and others. Tyler spring oats. Ind. Agr. Exp. Sta. Res. Progr. Rep. 214, 2 p. Jan.1966. 100 In2Res
R. M. Caldwell, J. F. Schafer, and F. L. Paterson, joint authors.

Iowa Agricultural and Home Economics Experiment Station, Ames

MAKI, W. R., and CROM, R. J. Evaluation of alternative market organizations in a simulated livestock-meat economy. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull.541:579-623. Ref. Oct.1965. 100 Io9
U. S. Department of Agriculture, cooperating.

Kansas Agricultural Experiment Station, Manhattan

SCHRUBEN, L. W., and CLIFTON, R. E. Truck delivery costs of manufactured feeds. Kans. Agr. Exp. Sta. Circ. 393,21 p. Oct.1965. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

TEMPLETON, W. C., TAYLOR, T. H., and TODD, J. R. Comparative ecological and agronomic behavior of orchardgrass [*Dactylis glomerata*] and tall fescue [*Festuca arundinacea*]. Ky. Agr. Exp. Sta. Bull. 699,18 p. Ref. June 1965. 100 K41

MCMULLAND, L. S., and BONDURANT, J. H. Tax considerations involved in incorporating the farm business. Ky. Agr. Exp. Sta. Bull. 700,22 p. June 1965. 100 K41

BYERS, G. B., and CALLAHAN, S. A. Estimating costs, potential efficiencies and profit margins in assembling, processing and distributing eggs. Ky. Agr. Exp. Sta. Bull. 701,36 p.,map. June 1965. 100 K41

SHUFFETT, D. M., and BATES, C. T. An analysis of white and yellow corn prices in Kentucky. Ky. Agr. Exp. Sta. Bull. 702,15 p. Oct. 1965. 100 K41

ROBERTS, J. B. Kentucky dairy industry facts. Ky. Agr. Exp. Sta. Progr. Rep. 156,31 p.,map. Sept.1965. 100 K41Pr

TUTT, C. R., LOEFFEL, F. A., and THORNDALE, D. E. Results of the Kentucky hybrid corn performance test in 1965. Ky. Agr. Exp. Sta. Progr. Rep. 158,24 p. Jan.1966. 100 K41Pr

POUNDSTONE, B., and HUFFMAN, W. J. Analyses of official fertilizer samples; semi-annual report, spring season, January-June, 1965. Ky. Agr. Exp. Sta. Regulat. Bull. 188,74 p. Sept.1965. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

LOUISIANA agriculture 9(2),16 p. Winter 1965/66. 100 L939

Maine Agricultural Experiment Station, Orono

METZGER, H. B., and CLARKE, J. H. Reducing the frequency of home delivery of milk. Maine. Agr. Exp. Sta. Bull. 637,34 p. Aug.1965. 100 M28S
Northeast Regional Research Publication.

SOEST, J. VAN, and others. Recommendations on the standardization of symbols in forest mensuration. Ed. 2. Maine. Agr. Exp. Sta. Tech. Bull. 15,32 p. 1965. 100 M28B
P. Ayral, R. Schober, and F. C. Hummel, joint authors.
Text also in French and German.
Recommendations made by International Union of Forest Research Organizations.

YOUNG, H. E., and CHASE, A. J. Fiber weight and pulping characteristics of the logging residue of seven tree species in Maine. Maine. Agr. Exp. Sta. Tech. Bull. 17,44 p. Ref. July 1965. 100 M28B

YOUNG, H. E., CARPENTER, P. N., and ALTENBERGER, R. A. Preliminary tables of some chemical elements in seven tree species in Maine. Maine. Agr. Exp. Sta. Tech. Bull. 20,88 p. Oct.1965. 100 M28B

Maryland Agricultural Experiment Station, College Park

TOWNSLEY, W. W., and BELL, A. S. Respiratory metabolism of germinating conidia of *Curvularia geniculata*. Md. Agr. Exp. Sta. Bull. A-140,20 p. Ref. May 1965. 100 M36S

WALKER, W. P. Improving farm land tax assessments in Maryland under nonfarm use pressures. Md. Agr. Exp. Sta. Misc. Publ. 553, 38 p.,map. June 1965. 100 M36M

CARDOZIER, V. R. Undergraduate academic achievement and teaching performance. Md. Agr. Exp. Sta. Misc. Publ. 559,76 p. Ref. Sept. 1965. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

WEEKS, W. D., and others. Relation of differential N and K fertilization to tree performance, fruit quality and storage disorders of Delicious apples. Mass. Agr. Exp. Sta. Bull. 552,20 p. Ref. Aug.1965. 100 M38H
F. W. Southwick, M. Drake, and G. W. Olanyk, joint authors.

JOHNSON, E. A. Meteorological observations for November 1965. Mass. Agr. Exp. Sta. Meteorol. Ser. Bull. 923,4 p. Nov.1965. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

FERRAR, B., and PROCHNOW, J. Rural family living and rural youth (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 39,21 p. Ref. Jan.1966. 284.9 M58
Published jointly with Michigan Cooperative Extension Service.

STACHWICK, G. Food wholesaling and retailing (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 40,9 p. Jan. 1966. 284.9 M58

Published jointly with Michigan Cooperative Extension Service.

ROELOFS, E. W., and SCHAIBLE, P. J. Commercial fisheries [and] Fur-bearing animals (Project '80: Rural Michigan now and in 1980). Mich. Agr. Exp. Sta. Res. Rep. 41,6 p. Jan. 1966. 284.9 M58

Published jointly with Michigan Cooperative Extension Service.

MICHIGAN. AGRICULTURAL EXPERIMENT STATION. Agricultural research, an investment in the future; 1964 edition. East Lansing, 1964? 16 p. 100 M58A

MICHIGAN. AGRICULTURAL EXPERIMENT STATION. Research is for people; 1965 edition. East Lansing, 1965? 17 p. 100 M58A

Minnesota Agricultural Experiment Station,
St. Paul Campus, St. Paul 1

NELSON, G. I. Social change and religious organizations of Meeker County. Minn. Agr. Exp. Sta. Sta. Bull. 477,56 p.,map. 1965. 100 M66

HOLT, J. S., and JENSEN, H. R. Effects of policy programs and capital availability on Red River Valley farms. Minn. Agr. Exp. Sta. Sta. Bull. 480,40 p. Oct. 1965. 100 M66

DIRKS, H. J., and FIENUP, D. F. Technological and market forces affecting vertical integration in the hog industry. Minn. Agr. Exp. Sta. Tech. Bull. 249,52 p.,map. Ref. Sept. 1965. 100 M66

Mississippi Agricultural Experiment Station, State
College

STOJANOVIC, E. J. Changes in the occupational structure of Mississippi and the South, 1950-1960. Miss. Agr. Exp. Sta. Bull. 716,7 p. Oct. 1965. 100 M69

WILBER, G. L., and ROGERS, T. W. Interstate migration of the Mississippi population, 1960. Miss. Agr. Exp. Sta. Bull. 717,8 p.,map. Nov. 1965. 100 M69

Missouri Agricultural Experiment Station, Columbia

LASLEY, F. A., and WHITTED, S. F. Cost factors in milk assembly (bulk or can handling). Mo. Agr. Exp. Sta. Res. Bull. 884,60 p. Mar. 1965. 100 M693

COLYER, D. Optimal organizations for representative farms in north central Missouri. Mo. Agr. Exp. Sta. Res. Bull. 886,39 p.,map. July 1965. 100 M693

BREES, F. M., and COLYER, D. Aggregate production functions for farms in northern Missouri, 1962. Mo. Agr. Exp. Sta. Res. Bull. 894,23 p.,map. Sept. 1965. 100 M693

MCGINNES, E. A. A survey of wood-using industries of Missouri. Mo. Agr. Exp. Sta. SB824,rev.,47 p.,map. Ref. Jan. 1965. 100 M693

TELGEMEIER, K., and METCALF, V. A. Mechanical stripping vs. mechanical picking of cotton. Mo. Agr. Exp. Sta. Spec. Rep. 60,24 p. Dec. 1965. 100 M693Sp

MISSOURI. AGRICULTURAL EXPERIMENT STATION. Report of analysis of fertilizer samples collected, January 1 to March 31, 1965. Mo. Fert. Rep. 7(3),15 p. May 1965. 57.9 M692

Nebraska Agricultural Experiment Station, Lincoln

DREIER, A. F., and others. Nebraska corn performance tests, 1965. Nebr. Agr. Exp. Sta. Outstate Testing Circ. 119,47 p.,map. Dec. 1965. 100 N270

P. H. Grabouski, F. N. Anderson, P. L. Ehlers, U. U. Alexander, and E. J. Schwartz, joint authors.

WILTBANK, J. N., ROWDEN, W. W., and INGALLS, J. E. Relationship between measures of semen quality and fertility in bulls mated under natural conditions. Nebr. Agr. Exp. Sta. Res. Bull. 224,19 p. Dec. 1965. 100 N27

BAKER, M. L., and BROUSE, E. M. Winter feeding and the growth and performance of beef cows. Nebr. Agr. Exp. Sta. SB 487,45 p. Nov. 1965. 100 N27

NEILD, R. E., and YOUNG, J. O. Comparative climatology as an approach for defining the approximate growing season for vegetables in Nebraska. Nebr. Agr. Exp. Sta. SB 488,14 p. Ref. Nov. 1965. 100 N27

NEBRASKA. AGRICULTURAL EXPERIMENT STATION. 79th annual report. Lincoln, 1965. 37 p. 100 N27

New Jersey Agricultural Experiment Station, New Brunswick

NEW JERSEY. AGRICULTURAL EXPERIMENT STATION. Proceedings of the 33rd annual Blueberry Open House, held at Pemberton, N. J. on February 11, 1965. New Brunswick, 1965. 22 p. 94.35 N46A

New York (State) Agricultural Experiment Station,
Geneva

BEN-DAVID, S., and TOMEK, W. G. Storing and marketing New York State apples, based on intraseasonal demand relationships. N. Y. (State) Agr. Exp. Sta. Bull. 1007,35 p. Ref. Nov. 1965. 100 N48

WAY, R. D. Tree and fruit characteristics of some standard and new apple varieties. N. Y. (State) Agr. Exp. Sta. Res. Circ. Ser. 3,15 p. Dec. 1965. 100 N48R

FARM research 31(2),16 p. July/Sept.1965.
100 N48A

North Carolina Agricultural Experiment Station, State
College Station, Raleigh

WISE, M. B., BARRICK, E. R., and BLUMER,
T. N. Finishing steers with grain on pasture.
N. C. Agr. Exp. Sta. Bull. 425,49 p. Sept.1965.
100 N81

RICE, J. C., KENYON, J. M., and PRICE, E. L.
Measured crop performance, tobacco, 1965.
N. C. Agr. Exp. Sta. Dep. Crop Sci. Res. Rep.
16,55 p.,map. Dec.1965. 100 N8122

MADAMBA, C. P., SASSER, J. N., and NEL-
SON, L. A. Some characteristics of the effects
of Meloidogyne spp. on unsuitable host crops.
N. C. Agr. Exp. Sta. Tech. Bull. 169,34 p. Ref.
Sept.1965. 100 N81

DAUGHERTY, D. M., and BRETT, C. H. Niti-
dulidae associated with sweet corn in North
Carolina, and influences affecting their damage
to this crop. N. C. Agr. Exp. Sta. Tech. Bull.
171,40 p. Ref. Jan.1966. 100 N81

RESEARCH and farming 24(2),16 p. Autumn
1965. 100 N81R

North Dakota Agricultural Experiment Station, State
College Station, Fargo

SEMINAR: Federal, State and local laws and
regulations affecting marketing. N. Dak. Agr.
Exp. Sta. Bull. 455,47 p. Ref. Sept.1965.
100 N813

Agricultural Experiment Stations of Alaska,
Illinois, Indiana, Iowa, Kansas, Michigan, Min-
nesota, Missouri, Nebraska, North Dakota,
Ohio, South Dakota, and Wisconsin, cooperating.

TIK, P. E., and others. Production adjust-
ments; a case study of six south central North
Dakota farms. N. Dak. Agr. Exp. Sta. Bull.
456,31 p. Aug.1965. 100 N813
D. O. Anderson, L. D. Loftsgard, and R. D.
Krenz, joint authors.

JOHNSON, J. E. Suggestions on father and son
farming agreements. N. Dak. Agr. Exp. Sta.
Bull. 457,19 p. Sept.1965. 100 N813

SORENSEN, L. O., and ANDERSON, D. The
grain marketing operations of the Commodity
Credit Corporation through 1962. N. Dak. Agr.
Exp. Sta. Bull. 458,92 p. Ref. Sept.1965.
100 N813

Agricultural Experiment Stations of Alaska,
Illinois, Indiana, Iowa, Kansas, Michigan, Min-
nesota, Missouri, Nebraska, North Dakota,
Ohio, and Wisconsin; and U. S. Department of
Agriculture, cooperating.

KITTLE, J. R., TAYLOR, F. R., and COX,
R. W. A pilot study of certain aspects of out-
door recreation in North Dakota. N. Dak. Agr.
Exp. Sta. Bull. 459,39 p.,map. Nov.1965.
100 N813

LIGHT, M. R., and others. The effects of vary-
ing the levels of alfalfa and barley in pelleted
creep and fattening rations on lamb gains,
transit shrinkage and certain carcass charac-
teristics. N. Dak. Agr. Exp. Sta. Res. Rep. 15,
11 p. Sept.1965. 100 N813R

C. N. Haugse, V. K. Johnson, and M. L.
Buchanan, joint authors.

Ohio Agricultural Research and Development Center,
Wooster

JOHNSTON, D. E., and BRUCE, W. A. Tyro-
phagus neiswanderi, a new acarid mite of agri-
cultural importance. Ohio. Agr. Res. Develop.
Center. Res. Bull. 977,17 p. Ref. Dec.
1965. 100 Oh3S

PRATT, A. D., and CONRAD, H. R. The need
for unfermented grain or forage with high mois-
ture grass-legume silage for dairy cattle.
Ohio. Agr. Res. Develop. Center. Res. Bull.
979,22 p. Ref. Dec.1965. 100 Oh3S

APPLEBY, J. E., and NEISWANDER, R. B.
Life history and control of the juniper tip
midge, Oligotrophus apicis Appleby and Neis-
wander. Ohio. Agr. Res. Develop. Center. Res.
Bull. 980,26 p. Ref. Jan.1966. 100 Oh3S

POLIVKA, J. B. Control of the cornfield ant,
Lasius alienus (Forster). Ohio. Agr. Res.
Develop. Center. Res. Circ. 143,7 p. Dec.1965.
100 Oh3R

POLIVKA, J. B. Effectiveness of insecticides
applied to turf to destroy Japanese beetle lar-
vae. Ohio. Agr. Res. Develop. Center. Res.
Circ. 144,11 p. Dec.1965. 100 Oh3R

Oklahoma Agricultural Experiment Station, Stillwater

TWEETEN, L. G., REICHARDT, A. W., and
LAGRONE, W. F. Profitable plans for farms
in the major bottomlands of south central and
east central Oklahoma. Okla. Agr. Exp. Sta.
Bull. 641,40 p. Dec.1965. 100 Ok4
U. S. Department of Agriculture, cooperating.

TWEETEN, L. G. Commodity programs for
wheat. Okla. Agr. Exp. Sta. Tech. Bull. T-118,
48 p. Ref. Nov.1965. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

WISSMAN, R. A., and KORZAN, G. E. The role
of borrowed funds in Oregon cooperatives.
Oreg. Agr. Exp. Sta. Circ. Inform. 622,24 p.
Dec.1965. 100 Or3C

COMPTON, O. C., REMMERT, L. F., and MELLENTHIN, W. M. Fluorine levels in crops of the Dalles area in 1964. Oreg. Agr. Exp. Sta. Spec. Rep. 204,21 p.,map. Dec.1965. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

BOND, C. E. Endangered plants and animals of Oregon. I. Fishes. Oreg. Agr. Exp. Sta. Spec. Rep. 205,8 p.,map. Jan.1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

STORM, R. M. Endangered plants and animals of Oregon. II. Amphibians and reptiles. Oreg. Agr. Exp. Sta. Spec. Rep. 206,12 p.,map. Jan. 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

PUMPHREY, F. V. Fertilizing Kentucky bluegrass [*Poa pratensis*] and fine fescue [*Festuca rubra*] for seed production in northeastern Oregon. Oreg. Agr. Exp. Sta. Sta. Bull. 601,15 p. Ref. Sept.1965. 100 Or3

COWAN, B. D., and NAGEL, W. P. Predators of the Douglas-fir beetle [*Dendroctonus pseudotsugae*] in western Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 86,32 p. Ref. Oct.1965. 100 Or3S

Pennsylvania Agricultural Experiment Station, University Park

PENNSYLVANIA, AGRICULTURAL EXPERIMENT STATION. Progress in research. Penn. Agr. Exp. Sta. Bull. 724,37 p.,map. 1964/65. 100 P381

GORSLINE, G. W., BAKER, D. E., and THOMAS, W. I. Accumulation of eleven elements by field corn (*Zea mays* L.). Penn. Agr. Exp. Sta. Bull. 725,34 p. Ref. Sept.1965. 100 P381

SHAFER, C. E., and PIERCE, C. W. Bulk assembly in the outer limits of the Philadelphia milkshed. Penn. Agr. Exp. Sta. Bull. 726,31 p.,map. Aug.1965. 100 P381

GORDON, J., and others. The effect of freezing treatments on the quality of certain frozen foods. Penn. Agr. Exp. Sta. Bull. 727,17 p. Dec.1965. 100 P381

I. R. Payne, K. Q. Stephenson, and J. F. Cone, joint authors.

ANTHONY, F., KIMMEL, O. A., and BRISTOL, B. K. The on-farm service center in mechanized farming. Penn. Agr. Exp. Sta. Bull. 728, 27 p. Dec.1965. 100 P381

TROTTER, C. E., and MCINTOSH, K. D. Procurement costs of independent slaughter plants in the Northeast. Penn. Agr. Exp. Sta. Bull. 729,30 p. Dec.1965. 100 P381

Northeastern Regional Research Publication.

SCIENCE for the farmer 13(2),16 p. Winter 1966. 100 P381S

Puerto Rico Agricultural Experiment Station, Rio Piedras

MALDONADO, J. L., and RODRIGUEZ GARCIA, O. Handling, packing, and transportation practices of ornamental plant producers in Puerto Rico. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 189,24 p. Feb.1965. 100 P83
English summary.

Rhode Island Agricultural Experiment Station, Kingston

HENDERSON, B. W., and others. Silage versus silage as summer forage for lactating dairy cows. R. I. Agr. Exp. Sta. Bull. 381,14 p. Ref. Nov.1965. 100 R34S
W. M. Etgen, E. R. Berousek, and R. W. Gilbert, joint authors.

South Carolina Agricultural Experiment Station, Clemson

GILLIAM, H. C. Farm adjustments for changing conditions. II. Tobacco farms, South Carolina. S. C. Agr. Exp. Sta. Bull. 519,81 p.,map. Dec.1965. 100 So8
U. S. Department of Agriculture, cooperating.

WILSON, T. V., and VAIGNEUR, H. O. Shallow groundwater for irrigation. S. C. Agr. Exp. Sta. Circ. 145,19 p. Dec.1965. 100 So8

HANDLIN, D. L., and others. Effect of feed restriction on finishing swine. S. C. Agr. Exp. Sta. Circ. 521,16 p. Ref. Nov.1965. 100 So8
W. C. Keese, G. C. Skelley, R. F. Wheeler, and W. P. Byrd, joint authors.

WILEY, W. H., and GARRISON, O. B. Dairy cattle nutrition and management research at Clemson University. S. C. Agr. Exp. Sta. Dairy Sci. Leaflet. 1,12 p. Ref. July 1964. 44.9 So86

WILEY, W. H., and GARRISON, O. B. Dairy technology research. S. C. Agr. Exp. Sta. Dairy Sci. Leaflet. 2,8 p. Aug.1964. 44.9 So86

WILEY, W. H., and GARRISON, O. B. Dairy research in reproductive physiology and genetics. S. C. Agr. Exp. Sta. Dairy Sci. Leaflet. 3, 6 p.-folder. Aug.1964. 44.9 So86

GOEBEL, N. B., BRUNER, M. H., and SHEARIN, A. T. Conversion of low quality hardwood stands on the Clemson Forest. S. C. Agr. Exp. Sta. Forest Res. Ser. 15,20 p. Oct.1965. 99.9 So832

South Dakota Agricultural Experiment Station, Brookings

RILEY, M. P. Where native South Dakotans lived in 1960. S. Dak. Agr. Exp. Sta. Bull. 528, 15 p.,map. Aug.1965. 100 So82

WAELETI, H. Reduce shatter losses in your grain sorghum harvest. S. Dak. Agr. Exp. Sta. Circ. 172,7 p. Oct.1965. 100 So82

BONNEMANN, J. J. South Dakota standard variety small grain trials, 1961-1965. S. Dak. Agr. Exp. Sta. Circ. 173,32 p.,map. Jan.1966. 100 So82

BONNEMANN, J. J. 1965 South Dakota corn performance trials. S. Dak. Agr. Exp. Sta. Circ. 174,20 p.,map. Jan.1966. 100 So82

BONNEMANN, J. J. 1965 South Dakota grain sorghum performance trials. S. Dak. Agr. Exp. Sta. Circ. 175,16 p. Jan.1966. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

GRIFFIN, S. A., and others. Tennessee Swine Testing Station. Tenn. Agr. Exp. Sta. Bull. 390, 24 p. May 1965. 100 T25S

E. R. Lidvall, J. W. Cole, and C. B. Ramsey, joint authors.

LONG, O. H., and others. Lime and fertilizer experiments on soybeans. Tenn. Agr. Exp. Sta. Bull. 391,19 p. May 1965. 100 T25S

J. R. Overton, E. W. Counce, and T. McCutchen, joint authors.

PARKS, W. L., and others. Plant population and row spacing for corn. Tenn. Agr. Exp. Sta. Bull. 392,16 p. May 1965. 100 T25S

J. A. Odom, J. R. Overton, E. J. Chapman, joint authors.

HOFFBECK, L. J., and others. Burley 49, a new disease-resistant burley tobacco. Tenn. Agr. Exp. Sta. Bull. 395,18 p. July 1965. 100 T25S

M. O. Neas, H. E. Heggstad, and H. A. Skoog, joint authors.

U. S. Department of Agriculture, cooperating.

GRAVES, C. R., and FRIBOURG, H. A. 1965 performance trials of field crop varieties. Tenn. Agr. Exp. Sta. Bull. 396,70 p. Dec.1965. 100 T25S

Texas Agricultural Experiment Station, College Station

MADDEN, J. P., and DAVIS, B. Economics of size on irrigated cotton farms of the Texas High Plains. Tex. Agr. Exp. Sta. Bull. 1037, 11 p.,map. June 1965. 100 T31S

HOLT, E. C. Seed production characteristics of some introduced warm-season grasses. Tex. Agr. Exp. Sta. Bull. 1038,8 p. July 1965. 100 T31S

WARD, J. M., and GRAVES, J. W. Effects of deferred ginning of cotton on cotton fiber quality as reflected in certain fiber properties. Tex. Agr. Exp. Sta. Bull. 1039,8 p. Ref. July 1965. 100 T31S

TEXAS. AGRICULTURAL EXPERIMENT STATION. RS 671, a medium-late maturing grain sorghum hybrid. Tex. Agr. Exp. Sta. L-648, 4 p. June 1965. 275.29 T313

HARDING, J. A. Ecological and biological factors concerning the sorghum midge [*Contarinia sorghicola*] during 1964. Tex. Agr. Exp. Sta. MP-773,10 p. Ref. July 1965. 100 T31M

DAVIS, B., and MADDEN, J. P. Theory and procedures for studying economies of size on irrigated cotton farms of the Texas High Plains. Tex. Agr. Exp. Sta. MP 780,104 p. Aug.1965. 100 T31M

SMITH, H. E. Sales, incentive payments and prices for Texas wool, 1963 marketing year. Tex. Agr. Exp. Sta. MP 787,16 p.,map. Oct. 1965. 100 T31M

TEXAS. AGRICULTURAL EXPERIMENT STATION. Beef cattle research in Texas, 1965. Tex. Agr. Exp. Sta. Progr. Rep. 2363/2373,35 p. Ref. July 1965. 100 T31P

LONGENECKER, D. E., THAXTON, E. L., and LYERLY, P. J. Salt tolerance of seed of six upland cotton varieties during germination as affected by salinity conditions during seed production. Tex. Agr. Exp. Sta. Progr. Rep. 2376, 6 p.-folder. Aug.1965. 100 T31P

STATEN, R. D., and HOLT, E. C. Summer-annual forage grasses for Texas: Sudangrass, Sudan-sorghum hybrids and millet. Tex. Agr. Exp. Sta. Progr. Rep. 2379,7 p. Oct.10,1965. 100 T31P

Utah Agricultural Experiment Station, Logan

WENNERGREN, E. B. Value of water for boating recreation. Utah. Agr. Exp. Sta. Bull. 453, 27 p. June 1965. 100 Ut1

COMPTON, N. H. Compton fabric preference test manual. Utah. Agr. Exp. Sta. Spec. Rep. 19,13 p. Aug.1965. 100 Ut1Sp

UTAH farm and home science 26(4):94-132. Dec.1965. 100 Ut1F

Virginia Agricultural Experiment Station, Blacksburg

BISHOP, C., DAVIS, B., and HARPER, L. J. Factors influencing homemakers' food-buying practices and their willingness to try new foods and recipes. Va. Agr. Exp. Sta. Bull. 565,30 p. Sept.1965. 100 V81S

COOLER, F. W., SCOTT, F. H., and CAMPER, H. M. Canning tomato variety trials, 1964. Va. Agr. Exp. Sta. Res. Rep. 93,14 p. Sept. 1965. 100 V81R

Washington Agricultural Experiment Stations, Pullman

HEINEMANN, W. W. Digestibility and feeding value of cottonseed meal and nonprotein nitrogen compounds for beef cattle. Wash. Agr. Exp. Sta. Bull. 666,6 p. July 1965. 100 W27E

ABEL, H., and CAPENER, W. Shifts in the production and marketing of western stocker-feeder cattle. Wash. Agr. Exp. Sta. Bull. 667, 18 p.,map. Nov.1965. 100 W27E

SHAW, C. G. How to collect, handle, and ship fungi (mushrooms) for identification. Wash. Agr. Exp. Sta. Circ. 131,rev.,5 p. Jan.1966. 100 W27S

PAULS, D. E., and HARRINGTON, A. H. Merchandising poultry: jumbo young chicken, market tests and consumer preferences. Wash. Agr. Exp. Sta. Circ. 454,23 p. Ref. Sept.1965. 100 W27S

JOHANSEN, C. A., and others. Bee poisoning hazard of undiluted malathion applied to alfalfa in bloom. Wash. Agr. Exp. Sta. Circ. 455,10 p. Nov.1965. 100 W27S

M. D. Levin, J. D. Eves, W. R. Forsyth, H. B. Busdicker, D. S. Jackson, and L. I. Butler, joint authors.

MOSCHER, M. M. The growth of larch [*Larix occidentalis*] in northeastern Washington. Wash. Agr. Exp. Sta. Circ. 456,6 p. Dec. 1965. 100 W27S

GRANDALL, P. C., and others. A red raspberry harvester. Wash. Agr. Exp. Sta. Circ. 457,21 p. Dec.1965. 100 W27S

J. E. George, J. Roberts, J. D. Chamberlain, and G. D. Wolf, joint authors.

NELSON, C. E., MORTENSEN, M. A., and EARLY, R. E. Phosphorus and zinc fertilization of rill-irrigated wheat on recently leveled land. Wash. Agr. Exp. Sta. Circ. 458,8 p. Ref. Dec.1965. 100 W27S

ADVANCE 2(4),5 p. Fall 1965. 100 W27A

West Virginia Agricultural Experiment Station, Morgantown

NELSON, D. E., and others. Marketing practices of West Virginia lumber producers. W. Va. Agr. Exp. Sta. Bull. 507,39 p. Ref. June 1965. 100 W52

W. W. Christensen, W. H. Reid, and N. D. Jackson, joint authors.

MCBEE, J. L., ANDERSON, G. C., and ZINN, D. W. Carcass composition and growth performance of swine as affected by restricted nutrient allowance. W. Va. Agr. Exp. Sta. Bull. 513,17 p. Ref. June 1965. 100 W52

GUTHRIE, W. R., and COLLINS, E. B. Factors affecting sorption isotherms of alfalfa. W. Va. Agr. Exp. Sta. Bull. 514T,32 p. Ref. Nov.1965. 100 W52

WHISLER, F. D., ENGLE, C. F., and BAUGHMAN, N. M. The effect of soil compaction on nitrogen transformations in the soil. W. Va. Agr. Exp. Sta. Bull. 516T,12 p. Ref. Nov.1965. 100 W52

WEEDFALL, R. O., and DICKERSON, W. H. The climate of the Canaan Valley and Blackwater Falls State Park, West Virginia. W. Va. Agr. Exp. Sta. Curr. Rep. 43,14 p.,map. Sept. 1965. 100 W52Cu

SIZER, L. M. Provisional estimates of the populations of West Virginia counties, July 1, 1964. W. Va. Agr. Exp. Sta. Curr. Rep. 44,3 p. Sept.1965. 100 W52Cu

Wisconsin Agricultural Experiment Station, Madison

WARNER, W. K. Membership participation in voluntary organizations. Wis. Agr. Exp. Sta. Res. Bull. 263,39 p. Oct.1965. 100 W75

Wyoming Agricultural Experiment Station, Laramie

SMITH, D. R., and JOHNSON, W. M. Vegetation characteristics on a high altitude sheep range in Wyoming. Wyo. Agr. Exp. Sta. Bull. 430,14 p. June 1965. 100 W99

DICKS, M. W. Vitamin E content of foods and feeds for human and animal consumption. Wyo. Agr. Exp. Sta. Bull. 435,194 p. Ref. Dec.1965. 100 W99

REGIONAL PUBLICATIONS

North Central Region

SEMINAR: Federal, State and local laws and regulations affecting marketing. N. Dak. Agr. Exp. Sta. Bull. 455,47 p. Ref. Sept.1965. 100 N813

Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin, cooperating. Also [North Central] Regional Research Bulletin 168.

Also North Central Regional Marketing Research Committee NCR-20, No. 5.

SORENSEN, L. O., and ANDERSON, D. The grain marketing operations of the Commodity Credit Corporation through 1962. N. Dak. Agr. Exp. Sta. Bull. 458,92 p. Ref. Sept.1965. 100 N813

Agricultural Experiment Stations of Alaska, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, and Wisconsin; and U. S. Department of Agriculture, cooperating.

Also North Central Regional Research Bulletin 167.

Southern Cooperative Series

SOUTHERN REGIONAL COMMITTEE FOR FAMILY LIFE. Educational and vocational goals of rural youth in the South. Southern Coop. Ser. Bull. 107,34 p. Ref. Sept.1965. 100 G29So

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

ALABAMA - Auburn University, Agricultural Extension Service, Auburn

COX, W. T. Light condition your home. Auburn Univ. Ext. Circ. PH-1,8 p. Mar.1965. 275.29 AL14Ci

AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. Recommendations for insect control in Alabama, 1964-65, by F. S. Arant, M. H. Bass, R. S. Berger, G. H. Blake, J. R. Buttram, T. D. Canerday, W. G. Eden, K. L. Hays, L. L. Hyche, R. J. Ledbetter, H. F. McQueen, A. M. Pearson, and T. F. Watson. Auburn, 1964. 124 p. 275.29 AL14R

Alabama Agricultural Experiment Station, and Auburn University, School of Agriculture, cooperating.

CALIFORNIA University, Agricultural Extension Service, Berkeley

DAVIS, G. N., and others. Muskmelon production in California. Calif. Univ. Agr. Ext. Circ. 536,38 p. Dec.1965. 100 C12S

T. W. Whitaker, G. W. Bohn, and R. F. Kasimire, joint authors.

CALIFORNIA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1964-San Diego County egg cost study, with a 5-year summary, 1960-1964, by R. H. Adolph. San Diego, 1965. 8 p. 275.29 C12En

GEORGIA University, College of Agriculture, Extension Service, Athens

OGLESBY, D. So you're going to buy a new food waste disposer. Ga. Univ. Ext. Circ. 546, 6 p.-folder. May 1965. 275.29 G29C

OGLESBY, D. So you're going to buy an air conditioner. Ga. Univ. Ext. Circ. 547,8 p.-folder. June 1965. 275.29 G29C

BUTTRAM, J. R. Hickory shuckworm [Laspeyresia caryana]. Ga. Univ. Ext. Leaflet. 30,8 p.-folder. July 1965. 275.29 G29L

COLEMAN, V. R. Aphids on ornamental plants. Ga. Univ. Ext. Leaflet. 31,6 p.-folder. July 1965. 275.29 G29L

COLEMAN, V. R. Mites on flowers and shrubbery. Ga. Univ. Ext. Leaflet. 32,6 p.-folder. July 1965. 275.29 G29L

INDIANA - Purdue University, Department of Agricultural Extension, Lafayette

PORTER, J. T. A management account and tax record guide for roadside markets, fruit stores, garden centers and nurseries. Purdue Univ. Ind. Agr. Ext. Mimeo EC-303,16 p. July 1965. 100 In2Ag

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

ENIX, J. R., and MCDONALD, H. J. Wheat grading factors. Kans. State Univ. Ext. L. 19, 6 p.-folder. May 1965. 275.29 K13Le

JACKSON, M. E. Contract egg production and marketing. Kans. State Univ. Agr. Ext. L-181, 6 p.-folder. June 1965. 275.29 K13Le

WILLIS, W. G., DICKERSON, O. J., and GREIG, J. K. Grow disease-free sweetpotato plants. Kans. State Univ. Agr. Ext. L-183, 8 p.-folder. May 1965. 275.29 K13Le

BELL, H. E. How many persons is a home-maker. Kans. State Univ. Agr. Ext. L-187,6 p.-folder. Sept.1965. 275.29 K13Le

LOUISIANA State University and Agricultural and Mechanical College, Agricultural Extension Service, University Farm, Baton Rouge

ROARK, F., and HODGKINS, B. J. Good grooming for girls; your appearance counts. La. State Univ. Ext. Ext. Publ. 1414,23 p. May 1965. 275.29 L93Ep

GUILLORY, V. D., and HISSONG, C. S. Pay now or pay later? La. State Univ. Ext. Ext. Publ. 1426,8 p.-folder. June 1965. 275.29 L93Ep

LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. The war that never ends, facts about pest control. La. State Univ. Ext. Ext. Publ. 1431,15 p. July 1965. 275.29 L93Ep

MARYLAND University, Cooperative Extension Service, College Park

MEADE, J. A. Chemical weed control in field crops. Md. Univ. Ext. Fact Sheet 13,rev.,4 p. Feb.1965. 275.29 M36Fa

MORGAN, O. D., and MCKEE, C. Maryland 59 and Maryland 609, two new Maryland tobacco varieties resistant to black shank. Md. Univ. Ext. Fact Sheet 173,2 p. Aug.1965. 275.29 M36Fa

MOLINE, W. J., and GOODWIN, E. E. Better horse pastures in Maryland. Md. Univ. Ext. Fact Sheet 174,2 p. Oct.1965. 275.29 M36Fa

MASSACHUSETTS University, Agricultural Extension Service, Amherst

MASSACHUSETTS. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Pest control chart for tobacco fields, 1965. n.p., 1965. chart. 275.29 M381Pf

Connecticut Agricultural Extension Service, and Connecticut and Massachusetts Agricultural Experiment Stations, cooperating.

MICHIGAN State University of Agriculture and Applied Science, Cooperative Extension Service, East Lansing

SMITH, N. A. Michigan corn production, disease control. Mich. State Univ. Ext. Ext. Bull. 440,4 p. Sept.1965. 275.29 M58B

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. Counting calories. Mich. State Univ. Ext. Ext. Bull. 500, 6 p.-folder. Sept.1965. 275.29 M58B

MINNESOTA University, Agricultural Extension Service, St. Paul

MIKESH, V. How to choose, how to cook beef. Minn. Univ. Ext. Ext. Bull. 297, rev., 19 p. July 1965. 275.29 M66S

ZABEL, M. B., and MUNSON, R. F. Selecting pictures. Minn. Univ. Ext. Ext. Bull. 323, 8 p. July 1965. 275.29 M66S

ZABEL, M. B., and MUNSON, R. F. Framing pictures. Minn. Univ. Ext. Ext. Bull. 324, 8 p. July 1965. 275.29 M66S

ZABEL, M. B., and MUNSON, R. F. Hanging pictures. Minn. Univ. Ext. Ext. Bull. 325, 4 p. July 1965. 275.29 M66S

WOODRUFF, L., and ALEXANDER, A. M. How to upholster overstuffed and occasional chairs. Minn. Univ. Ext. Ext. Bull. 326, 26 p. Oct.1965. 275.29 M66S

NEW JERSEY - Rutgers State University, College of Agriculture, Extension Service, New Brunswick

MINIFIE, F. G. Fingertip fashions. Rutgers State Univ. Ext. Ext. Bull. 385, 31 p. Nov.1965. 275.29 N46

MINIFIE, F. G. Style-wise buys—slips. Rutgers State Univ. Ext. Leaflet. 397, 6 p.-folder. Dec.1965. 275.29 N46L

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

CUNNINGHAM, L. C. Commercial dairy farming in New York. Cornell Univ. Ext. Cornell Misc. Bull. 65, 34 p., map. Sept.1965. 275.29 N48Cm

NORTH CAROLINA University, Extension Service, State College Station, Raleigh

ALLGOOD, J. G., HARWOOD, D. G., and BOYET, W. E. "Farming, Inc." N. C. Univ. Ext. Ext. Circ. 461, 16 p. July 1965. 275.29 N811

WRIGHT, C. G., and BRUCE, W. G. Common fleas and their control. N. C. Univ. Ext. Folder 239, 4 p. Sept.1965. 275.29 N811Ex

LEE, M. E. Fitting the basic muslin dress. N. C. Univ. Ext. Home Econ. 25, 8 p. Nov.1965. 275.2 N811Hom

LEE, M. E. Lining a suit or coat. N. C. Univ. Ext. Home Econ. 26, 4 p. Oct.1965. 275.29 N811Hom

NORTH CAROLINA, UNIVERSITY, EXTENSION SERV. Pressing for tailoring. N. C. Univ. Ext. Home Econ. 27, 6 p.-folder. Oct. 1965. 275.29 N811Hom

NORTH CAROLINA, UNIVERSITY, EXTENSION SERV. Handbook for agricultural and home economics workers. Ed. 22. Raleigh, 1966. 235 p., map. 275.29 N811H

OHIO State University, Cooperative Extension Service, Columbus

HAYNES, O. M., and AKERS, E. E. Dress line. Ohio. State Univ. Ext. Bull. 464, 16 p. Sept.1965. 275.29 Oh32

OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

KUNTZ, S. E., YOUNG, J. H., and FLORA, N. W. 4-H Club entomology workbook, Unit 1. Okla. State Univ. Ext. Circ. E-766, 20 p. Nov. 1965. 275.29 Ok41C

CUNNINGHAM, T. S. 4-H Club health workbook, Unit 1. Okla. State Univ. Ext. Circ. E-767, 20 p. Nov.1965. 275.29 Ok41C

OREGON State University, Federal Cooperative Extension Service, Corvallis

MORRISON, H. E. Controlling the garden symphylan. Oreg. State Univ. Ext. Ext. Bull. 816, 12 p. June 1965. 275.29 Or32B

CORDY, C. B. Frost protection in pear orchards with overtree sprinklers. Oreg. State Univ. Ext. Spec. Rep. 196, 12 p. Sept.1965. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

CLEMSON UNIVERSITY, EXTENSION SERV. Defoliate cotton for better quality and more profit. Clemson Univ. Ext. Cotton Leaflet. 3, 6 p.-folder. Aug.1965. 275.29 So86C

TENNESSEE University, College of Agriculture and Home Economics, Extension Service, Knoxville

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Sewing hooks and eyes on your clothes. Tenn. Univ. Ext. SP 143-a, 2 p. Apr.1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Hem your own clothes. Tenn. Univ. Ext. SP 143-b, 2 p. Apr.1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Sew on your own buttons. Tenn. Univ. Ext. SP 143-c, 2 p. Apr.1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. How to clean your refrigerator. Tenn. Univ. Ext. SP 143-d, 4 p. Apr. 1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Here is how to look your best. Tenn. Univ. Ext. SP 143-e, 2 p. Apr. 1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Sew on your own snaps. Tenn. Univ. Ext. SP 143-f, 2 p. Apr.1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. The first step to good appearance, a clean body. Tenn. Univ. Ext. SP 143-g, 8 p. Apr.1965. 275.29 T25Sp

TENNESSEE, UNIVERSITY, AGRICULTURAL EXTENSION SERV. How to clean your upholstered furniture. Tenn. Univ. Ext. SP 143-h, 2 p. Apr.1965. 275.29 T25Sp

TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The easy way to clean your range. Tenn. Univ. Ext. SP 143-i,4 p. Apr.1965. 275.29 T25Sp

TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. The foods we need everyday. Tenn. Univ. Ext. SP 143-j,2 p. Apr. 1965. 275.29 T25Sp

TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. You need clean dishes. Tenn. Univ. Ext. SP 143-k,8 p. Apr.1965. 275.29 T25Sp

TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. You can have a clean bathroom. Tenn. Univ. Ext. SP 143-m,8 p. Apr.1965. 275.29 T25Sp

TENNESSEE. UNIVERSITY. AGRICULTURAL EXTENSION SERV. How to wash walls and woodwork. Tenn. Univ. Ext. SP 143-n,4 p. Apr.1965. 275.29 T25Sp

TEXAS Agricultural and Mechanical College, Extension Service, College Station

NEWTON, W. H., and others. Insects attacking vegetable crops. Tex. Agr. Coll. Ext. Sta. Bull. 1019,27 p. Sept.1964. 100 T31S

J. A. Deer, P. J. Hamman, D. A. Wolfenbarger, J. A. Harding, and M. F. Schuster, joint authors.

UTAH State University, Agricultural Extension Service, Logan

UTAH. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H entomology project. I-III, by G. F. Knowlton. Logan, 1964. 3 v. (Its 4-H Series, A-12) 275.2 Ut132

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

BLUME, G. Which college for me. Va. Polytech. Inst. Ext. Circ. 880,rev.,20 p.,map. Sept. 1965. 275.29 V81C

CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Dairy farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 958,25 p., map. Sept.1965. 275.29 V81C

CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Cash crop, poultry, and general farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 984,24 p.,map. Aug.1965. 275.29 V81C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

CURRENT food additives legislation, 82,8 p. Feb.28,1965. 241.64 F732

DATE, R. A. Report to the Government of Uruguay on legume inoculation and legume inoculant production. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2012,33 p. illus. 281.9 F733E

FAO Library list of recent accessions, Mar. 1965,35 p. 241 F7322

WASHINGTON State University, Extension Service, Pullman

ROBERTS, H. L. Knit fabrics. Wash. State Univ. Ext. E. M. 2242,rev.,6 p. Mar.1965. 275.29 W27Mi

PERRYMAN, C., and others. Estimated costs and returns for a cow calf enterprise in Lewis County, Washington, 1964. Wash. State Univ. Ext. E. M. 2422,9 p. June 1965. 275.29 W27Mi
A. Cagle, J. Johnson, R. Roffler, and E. Minnick, joint authors.

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Poultry pests and their control. Wash. State Univ. Ext. E. M. 2533, 4 p. Mar.1965. 275.29 W27Mi

PHILLIPS, E. L. Washington climate for these counties: Adams, Lincoln, Spokane and Whitman. Wash. State Univ. Ext. E. M. 2545,64 p., map. Ref.,p.3 of cover. May 1965. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Curtain and drapery fiber chart. Wash. State Univ. Ext. E. M. 2555,5 p. June 1965. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Potatoes in family meals. Wash. State Univ. Ext. E. M. 2557,2 p. June 1965. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Questions and answers relative to buying carpets. Wash. State Univ. Ext. E. M. 2558,3 p. June 1965. 275.29 W27Mi

LIGGETT, E. P. Review of 1964 family living expense summary. Wash. State Univ. Ext. E. M. 2559,5 p. June 1965. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of aphids on forage alfalfa. Wash. State Univ. Ext. E. M. 2561,2 p. July 15,1965. 275.29 W27Mi

HOSTETLER, R. I., HAVENS, J. E., and BASHAW, R. T. Washington 4-H dog obedience project. Wash. State Univ. Ext. E. M. 2563, 40 p. Sept.1965. 275.29 W27Mi

WISCONSIN University, College of Agriculture, Extension Service, Madison

BAILEY, K. B. How to buy, use, care for small electrical appliances. Wis. Univ. Ext. Circ. 534,rev.,20 p. Nov.1965. 275.29 W75C

WORF, G. L., and others. Fight Dutch elm disease. Wis. Univ. Ext. Circ. 600,rev.,11 p. Apr.1965. 275.29 W75C

J. L. Libby, G. E. Hafstad, D. M. Norris, and E. B. Smalley, joint authors.

FAO Library list of recent accessions, May 1965,39 p. 241 F7322

FAO Library list of recent accessions, Oct. 1965,45 p. 241 F7322

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Official report of the United States delegation to the thirty-fifth session of the FAO Council, Rome, Italy, June 19-29,1961. 45 p. 389.9 F7355R

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Official report of the United States delegation to the thirty-fourth session of the FAO council. Rome, Italy, Oct. 17-27, 1960. 43 p. 389.9 F7355R

FOOD AND AGRICULTURAL ORGANIZATION OF THE UNITED NATIONS. Report of the seventh FAO regional conference for Asia and the Far East, Manila, Philippines, 7-21 November 1964. Rome, 1965. 64 p. 281.9 F737

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirty-eighth session, New York, 16-17 April 1962; thirty-ninth session 15-16 Oct. 1962. 115 p. Rome, 1963. 389.9 F735Rc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. Interim report; on the economic impact of dairy development in developing countries. Food Agr. Organ. UN. CCP (Comm. Commod. Probl.) 65/9/3, 51 p. Apr. 20, 1965. 389.9 F7354Ci
Thirty-eighth session.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 15(4), 19 p. Apr. 1965. 280.9 F7323

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 15(5), 19 p. May 1965. 280.9 F7323

JOINT FAO/WHO CODEX ALIMENTARIUS COMMISSION. Report of the second session, Geneva, 28 September-7 October 1964. Rome, 1965. 90 p. 389.9 J663

MALAKAR, M. C. Report to the Government of Somalia on food consumption surveys. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2042, 26 p. 1965. 281.9 F733E

MONTHLY legislative report, 14(3/4):66-127. Mar./Apr. 1965. 241 F7323

MONTHLY legislative report, 14(5/6):128-182. May/June 1965. 241 F7323

MONTHLY legislative report, 14(10/11):285-325. Oct./Nov. 1965. 241 F7323

POPOV, G., ZELLER, W., and COCHEME, J. Ecological survey report on studies in India, Pakistan and Iran during 1963-64. Food Agr. Organ. UN. UNSF/DL/ES/7, 219 p., map. Ref. Apr. 1965. 429 F732U

PRINZI, D. Informe al Gobierno de Mexico sobre perspectivas de desarrollo para la economia agricola de la zona fronteriza mexicana del norte [Report to the Government of Mexico on prospects of development for the agricultural economy of the northern Mexican frontier zone]. Food. Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2016, 85 p., map. 1965. 281.9 F773E



UNITED STATES DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL LIBRARY

WASHINGTON 25, D.C.

OFFICIAL BUSINESS

POSTAGE AND FEES
U. S. DEPARTMENT OF AGR

BIBLIOGRAPHY OF AGRICULTURE

LIBRARY &
RECEIVED

AUG 17 1966

U. S. DEPARTMENT OF AGRICULTURE
EASTERN REGIONAL LIBRARY
LANCASTER, PA.



NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

BIBLIOGRAPHY OF AGRICULTURE

Vol. 30

June 1966

No. 6

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries, abstracts, or translated titles in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

For more detailed coverage of the literature on pests and their control, please consult the Pesticides Documentation Bulletin, a biweekly publication of the National Agricultural Library.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
Soils and Fertilizers
Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the United Nations (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

For monographs the title is shown in the original language, followed by the English version. Titles of foreign language articles in serial publications are given in English only; the language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af) Afrikaans	(Ic) Icelandic
(Al) Albanian	(In) Indonesian
(Ara) Arabic	(It) ITALIAN
(Arm) Armenian	(Ja) JAPANESE
(Az) Azerbaijani	(Ka) Kazakh
(Be) Belorussian	(Ko) KOREAN
(Bu) Bulgarian	(La) Latvian
(Bur) Burmese	(Li) Lithuanian
(Ch) CHINESE	(No) NORWEGIAN
(Cz) CZECH	(Pe) Persian
(Da) DANISH	(Pol) POLISH
(Du) DUTCH	(Por) PORTUGUESE
(Es) Estonian	(Rum) Rumanian
(Fi) Finnish	(Rus) RUSSIAN
(Fl) Flemish	(Se) SERBO-CROATIAN
(Fr) FRENCH	(Si) Siamese
(Ge) GERMAN	(Sl) Slovenian
(Geo) Georgian	(Sp) SPANISH
(Gre) GREEK	(Sw) SWEDISH
(He) Hebrew	(Ta) Tadjik
(Hi) Hindi	(Tu) TURKISH
(Hu) HUNGARIAN	(Uk) UKRAINIAN

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Technical Reports. Citations listed with the annotation "CFSTY" followed by price are also available for purchase from the Clearinghouse for Federal Scientific and Technical Information, U. S. Department of Commerce, Springfield, Virginia, 22151.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

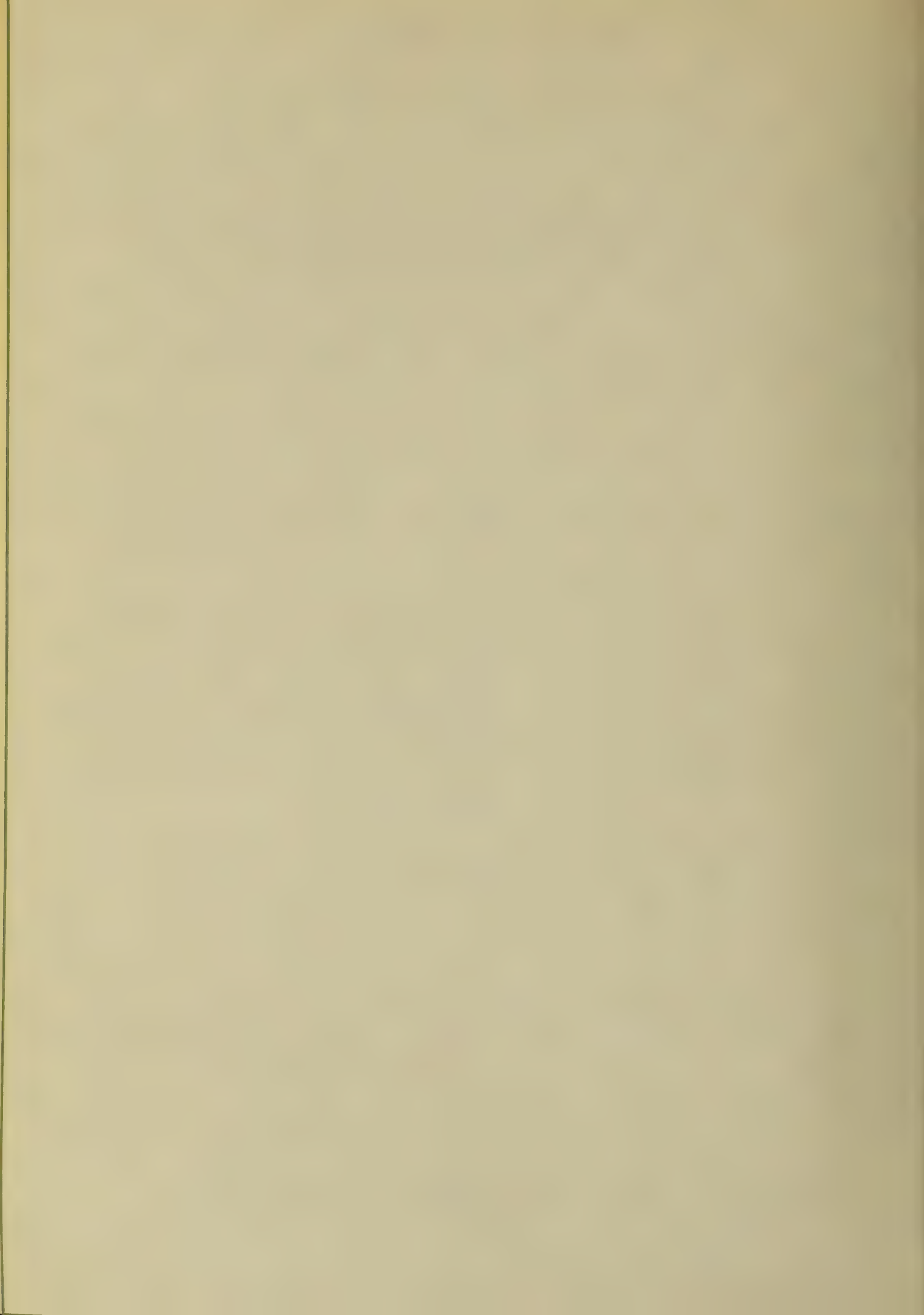
RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402
\$14.00 per year, domestic; \$17.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)



CONTENTS

	Item		Item		Item
PLANT SCIENCE	42596-44560	Forest Management and Finance		Swine	47541
General	42596		45251	Breeds and Breeding	47541
Systematic and Geographic		Farm Woodlands	45301	Feeds and Feeding	47554
Botany	42632	Mensuration, Surveying, Photo-		Veterinary Medicine	47577
General	42632	grammetry	45303	Miscellaneous	47669
Spermatophytes	42646	Silviculture	45349		
Pteridophytes	42719	Silvicultural Practices	45477	ENTOMOLOGY	47688-48440
Bryophytes	42721	Regeneration and Breeding		General	47688
Algae	42725		45515	Economic	47693
Fungi (Including Lichens)	42730	Forest Protection and Damage		General	47693
Pathology	42762	Fire	45687	Medical and Veterinary Pests	
General	42762	Forest Influences	45710		47793
Diseases Caused by Fungi	42822	Miscellaneous Forest Uses	45724	Pests of Field and Truck Crops	
Diseases Caused by Bacteria		Forest Industries and Trade	45748		47888
	42993	Lumbering and Logging	45780	Pests of Fruit and Nut Crops	
Viruses and Virus Diseases		Sawmills	45797		47953
	43005	Processing and Woodworking	45868	Pests of Ornamentals, Green-	
Diseases Caused by Nematodes			45886	houses, and Nurseries	47996
	43062	Seasoning, Conditioning, and		Pests of Stored Products and	
Ecology	43092	Finishing	45892	Processed Commodities	48003
Morphology, Anatomy, and		Wood Preservation and Damage		Pests of Trees and Wood	
Cytology	43143		45909	Products	48028
Genetics	43289	Forest Products	45928	Apiculture and Apis Mellifera	
Physiology	43364	Lumber and Rough Products			48060
Biochemistry	43716	Construction	45941	Sericulture and the Silkworm	
Field Crops	43853	Veneers, Plywood, and Adhesives	45970		48100
General	43853	Furniture	45976	Taxonomic, Geographic, and	
Cereals	43889	Containers	46018	Biological	48124
Fiber Crops	43969	Pulp and Paper	46019	General	48124
Forage Crops and Grasses	43982	Chemical Products and	46020	Arachnida, Myriapoda, etc.	48143
Oil Crops	44058	Distillates	46086	Coleoptera	48181
Sugar Crops	44065	Naval Stores	46121	Diptera	48218
Tobacco	44088	Other Forest Products	46148	Culicidae	48252
Horticultural Crops	44099	Wood Technology	46182	Drosophila	48262
General	44099	Properties and Structure	46211	Hemiptera (Heteroptera and	
Fruits-General	44111	ANIMAL INDUSTRY	46249-47687	Homoptera)	48281
Fruits-Citrus and Subtropical		Breeds and Breeding	46249	Hymenoptera	48305
	44131	Feeds and Feeding	46263	Lepidoptera	48326
Fruits-Deciduous	44151	Veterinary Medicine	46325	Orthoptera	48392
Fruits-Small	44193	Miscellaneous	46513	Smaller Orders	48406
Nuts	44236	Cattle	46539		
Shade Trees and Ornamental		Breeds and Breeding	46539	AGRICULTURAL ENGINEERING	
Plants	44240	Feeds and Feeding	46620		48441-48914
Vegetable and Truck Crops		Veterinary Medicine	46708	General and Miscellaneous	48441
(Including Potatoes)	44349	Miscellaneous	46937	Farm Machines and Equipment	
Weeds and Poisonous Plants	44421	Dogs and Cats	46976		48455
Miscellaneous Economic Plants		Breeds and Breeding	46976	Animal Husbandry Equipment	
(Drug, Dye, Rubber, etc.)	44533	Feeds and Feeding	46978		48537
SOILS AND FERTILIZERS		Veterinary Medicine	46978	Cultivation and Tillage Equipment	
	44561-45132	Miscellaneous	47046		48554
Soil Science	44561	Fur Animals - Pen Raised	47046	Fertilizing and Planting Equip-	
Soil Physics	44565	Breeds and Breeding	47046	ment	48599
Soil Chemistry and Mineralogy		Feeds and Feeding	47054	Harvesting Equipment	48622
	44610	Veterinary Medicine	47060	Land Clearing Equipment	48675
Soil Biology	44663	Miscellaneous	47070	Processing Equipment Used on	
Soil-Plant-Animal Relationships	44693	Horses and Mules	47074	the Farm	48677
Soil Genesis, Formation, Classi-		Breeds and Breeding	47074	Repair, Maintenance, and Con-	
fication, and Mapping	44694	Feeds and Feeding	47080	struction Equipment	48704
Soil Management	44739	Veterinary Medicine	47083	Spraying and Dusting Equipment	
Soil Fertility	44746	Miscellaneous	47138		48720
Soil Tilth and Tillage	44903	Laboratory Animals, Small	47141	Vehicles	48737
Drainage, Irrigation, Water		Breeds and Breeding	47141	Farm Structures and Rural	
Supply, and Flood Control	44928	Feeds and Feeding	47144	Housing	48807
Erosion and Erosion Control		Veterinary Medicine	47147	Animal Shelters and Animal	
	45064	Miscellaneous	47189	Service Buildings	48822
Sanitation	45090	Poultry	47192	Farmhouses and Farmsteads	
Materials for Soil Improvement		Breeds and Breeding	47192		48859
	45092	Feeds and Feeding	47208	Greenhouses and Plant Service	
Chemical Fertilizers	45092	Veterinary Medicine	47259	Buildings	48863
Mineral Soil Amendments	45094	Miscellaneous	47374	Materials and Methods	48875
Fertilizer Technology and		Rabbits	47407	Storage Structures	48876
Statistics	45096	Breeds and Breeding	47407	Walls and Fences	48891
Manures and Composts	45130	Feeds and Feeding	47411	Farm Utilities	48892
FORESTRY	45133-46248	Veterinary Medicine	47411	Electricity and Electrification	
General	45133	Miscellaneous	47435		48892
Education	45189	Sheep and Goats	47437	Heating, Lighting, and Radiation	
Policies, Programs, Administra-		Breeds and Breeding	47437		48900
tion	45197	Feeds and Feeding	47449	Power Plants, Motors, and	
Legislation and Taxation	45218	Veterinary Medicine	47465	Engines on the Farm	48901
Forest Description and		Miscellaneous	47532	Sewage and Waste Disposal	
Resources	45222				

	Item		Item		Item
AGRICULTURAL PRODUCTS:		Consumption and Utilization	50071	Leadership	51298
PROCESSING, DISTRIBUTION		Distribution, Marketing, and		Rural Organizations and	
AND STATISTICS	48915-50553	Transportation	50077	Movements	51302
General	48915	Grading, Inspection, Standardiza-		Cooperative Organizations	51328
Analysis and Composition	48938	tion, and Quality	50103	Rural Social Psychology	51363
Consumption and Utilization	48967	Packing and Packaging	50134	Trade, Foreign and International	51368
Distribution, Marketing, and		Prices, Price Control, and			
Transportation	48972	Rationing	50141	FOOD AND HUMAN NUTRITION	
Grading, Inspection, Standardiza-		Processing and Storage	50146		51454-51533
tion, and Quality	49008	Statistics	50202	General	51454
Packing and Packaging	49048	Oils and Oilseeds	50208	Food Habits	51507
Prices, Price Control, and		Poultry and Poultry Products		Nutritive and Vitamin Content	51509
Rationing	49058		50310		
Processing and Storage	49072	Rubber and Rubber Substitutes		MISCELLANEOUS	51534-51794
Statistics	49131		50382	General	51534
Beverages and Condiments	49166	Seeds	50389	Biography	51589
Dairy Products	49235	Sugar and Sirups	50424	History	51742
Analysis and Composition	49282	Tobacco	50478	Home Management	51743
Consumption and Utilization	49328	Miscellaneous Products	50527	International Relations	51769
Distribution, Marketing, and		AGRICULTURAL ECONOMICS AND		Meteorology	51770
Transportation	49330	RURAL SOCIOLOGY	50554-51453	Personnel	
Grading, Inspection, Standardiza-		General	50554	Research	51780
tion, and Quality	49348	Agricultural Finance	50615	Statistics	
Packing and Packaging	49361	Credit	50635		
Prices, Price Control, and		Income	50670	NEW PERIODICALS AND	
Rationing	49367	Inflation		SERIALS	p. 282
Processing and Storage	49371	Insurance	50678		
Statistics	49408	Taxation	50689	TRANSLATIONS	p. 283
Feed and Forage Crops	49414	Agricultural Labor and Wages			
Fibers and Textiles	49474		50701	U. S. D. A. PUBLICATIONS	p. 296
Fruits, Vegetables, and Nuts	49615	Agriculture - Situation, Policies,			
Analysis and Composition	49654	and Programs	50764	STATE AGRICULTURAL	
Consumption and Utilization	49689	Subsidies	50893	EXPERIMENT STATION	
Distribution, Marketing, and		Cost and Standard of Living	50896	PUBLICATIONS	p. 300
Transportation	49692	Farm Management and Land			
Grading, Inspection, Standardiza-		Economics	50898	STATE AGRICULTURAL	
tion, and Quality	49743	Bookkeeping and Records	51011	EXTENSION SERVICE	
Packing and Packaging	49759	Costs and Returns	51036	PUBLICATIONS	p. 304
Prices, Price Control, and		Land Settlement and Colonization			
Rationing	49768		51080	FAO PUBLICATIONS	p. 310
Processing and Storage	49772	Land Tenure	51082		
Statistics	49847	Land Utilization	51108	PERSONAL INDEX	p. 313
Grain and Grain Products	49859	Land Values and Valuation	51135		
Honey and Beeswax	49991	Population	51148		
Livestock and Livestock Products		Rural Social Organization	51160		
	49998	Human Ecology	51168		
Analysis and Composition	50043	Institutions	51180	ORGANIZATIONAL INDEX	p. 335

PLANT SCIENCE

GENERAL

- 42596 AARIO, R. Frequency of spruce determined by C¹⁴ and the age conditions of pollen zones in Finland. (Ge) Finland. Geol. Tutkimuslaitos. Bull. 218:215-231, map. Ref. 1965. 408 F49
- 42597 ANDREWS, H. N., and AGASHE, S. N. Some exceptionally large calamite stems. *Phytomorphology* 15(1):103-108. Mar. 1965. 450 P566
From Illinois.
- 42598 CARPENTER, G. A., and others. Further aspects of the artificial illumination of plant growth chambers. *J. Agr. Eng. Res.* 10(3):212-229. Ref. Sept. 1965. 58.8 J82
L. G. Mousley, P. A. Cottrell, and R. Summerfield, joint authors.
- 42599 CARPENTER, G. A. A packaged plant growth cabinet with high and uniform intensity of illumination. *Nautre* [London] 209(5022):448-450. Jan. 29, 1966. 472 N21
Controlled environmental facilities; Great Britain.
- 42600 CHELIDZE, D. G. The preliminary calculation of night temperature in fruit orchard. (Rus) *Meteorol. Gidrol.* 2:13-19. Feb. 1965. 345 M56
- 42601 CISCAR, F. Achiotin, an extract of achiote seeds (*Bixa orellana* L.), as a histologic stain for lipids. *Stain Technol.* 40(5):249-251. Sept. 1965. 442.8 St1
- 42602 DAVIS, E. E. Preservation of Myxomycetes. *Mycologia* 57(6):986-988. Ref. Nov./Dec. 1965. 450 M99
Chiefly lyophilization.
- 42603 DEUTSCHE BOTANISCHE GESELLSCHAFT. Bericht über die 71. Mitgliederversammlung (Generalversammlung) in München 7. bis 12. September 1964 [Report of the 71st membership meeting (general meeting) in Munich Sept. 7-12, 1964]. *Deut. Bot. Ges. Ber.* 77(11):195-265. (Concl.) 1964. 451 D48
- 42604 ELSIK, W. C. Degradation of arci in a fossil *Alnus* pollen grain. *Nature* [London] 209(5025):825. Feb. 19, 1966. 472 N21
- 42605 HARTOG, C. DEN. The herbarium of the Institut Botanique de la Faculté des Sciences, Caen. *Flora Malesiana Bull.* 20:1270-1271. Dec. 1965. 460.21 B87
- 42606 HUBER, B. History of botany in Munich. (Ge) *Deut. Bot. Ges. Ber.* 77(11):197-204. 1964. 451 D48
- 42607 HUICA, I., and HINCULOV, L. On the presence of a Sarmatian reef in the Schela-Gorj area. (Rum) *Rumania. Comitetul Geol. Dari Seama Sedintelor* 51(2):3-12. Ref. 1963/64, pub. 1965. 403 R86
English summary.
Includes algae.
- 42608 ILIESCU, V., and DESSILA-CODARCEA, M. Contributions to the knowledge of the microfloristic content of the Crystalline Schists complex in the eastern Carpathians. (Rum) *Rumania. Comitetul Geol. Dari Seama Sedintelor* 51(2):13-18. 1963/64, pub. 1965. 403 R86
English summary.
- 42609 KNIGHT, R. R. Vegetative characteristics and waterfowl usage of a Montana water area. *J. Wildlife Manage.* 29(4):782-788, map. Oct. 1965. 410 J827
Includes food plants.
- 42610 KOBRIGER, G. D. Status, movements, habits, and foods of prairie grouse on a sandhills refuge. *J. Wildlife Manage.* 29(4):788-800, map. Ref. Oct. 1965. 410 J827
In Nebraska.
Includes plant food.
- 42611 KORSCHGEN, L. J. Foods and nutrition of ruffed grouse in Missouri. *J. Wildlife Manage.* 30(1):86-100. Ref. Jan. 1966. 410 J827
Includes food plants.
- 42612 KRYUCHKOV, A. V. Application of the method of selection modulation in statistical treatment of experimental data. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:549-553. 1965. 20 M857
In plant research.
- 42613 LAKHANPAL, R. N. Occurrence of *Ziziphus* in the Lower Siwaliks near Jawalamukhi. *Cur. Sci.* 34(23):666-667. Dec. 5, 1965. 475 Sci23
- 42614 LIPSITS, D. V., and ITSEKZON, L. N. Adsorption of stains by potato proteins. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:126-129. Jan. 1966. 20 V633
English summary.
- 42615 MARGUS, M. Botanic garden of Tallin. (Es) *Eesti Loodus* 4:198-200. July/Aug. 1965. 409.6 Ee7
English summary, p.3 preceeding p.193.
- 42616 MARTIN, H. A., and ROUSE, G. E. Palynology of late Tertiary sediments from Queen Charlotte Islands, British Columbia. *Can. J. Bot.* 44(2):171-208. Ref. Feb. 1966. 470 C16C
- 42617 MASON, L. M. Trip to Madagascar, January-February 1965. *Roy. Hort. Soc. J.* 91(3):121-126. Mar. 1966. 84 L84J
Plant collecting.
- 42618 MCGILVREY, F. B. Fall food habits of wood ducks from Lake Marion, South Carolina. *J. Wildlife Manage.* 30(1):193-195. Ref. Jan. 1966. 410 J827
Includes food plants.
- 42619 MINTON, P., and JEFFERIES, R. P. S. Hydrodynamic simulation of small, passively-sinking biological objects. *Nature* [London] 209(5025):829-830. Feb. 19, 1966. 472 N21
Ecological factor for pollen grains.
- 42620 NEGBI, M. A differential staining for hypocotyl and radicle. *Experientia* 21(12):738-739. Dec. 15, 1965. 475 Ex7
- 42621 OLDFIELD, F. Problems of mid-post-glacial pollen zonation in part of north-west England. *J. Ecol.* 53(2):247-260, map. Ref. July 1965. 450 J829
- 42622 PATRULIUS, D. Brief list of Neojurassic and Eocretaceous alga from the Rumanian Carpathians and the Precarpathian Platform. (Ru) *Rumania. Comitetul Geol. Dari Seama Sedintelor* 51(2):31-42. Ref. 1963/64, pub. 1965. 403 R86
English summary.
- 42623 PLAYFORD, G., and DETTMANN, M. E. Rhaeto-liassic plant microfossils from the Leigh Creek coal measures, South Australia. *Senckenbergiana Lethaea* 46(2/3):127-182, map. Ref. Dec. 7, 1965. 402.8 Se5
- 42624 PURSEGLOVE, J. W. The spread of Tropical crops. In *International Union of Biological Sciences Symposia on General Biology*, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.375-389. Ref. 1965. QH371.15
History of their introduction.
Includes discussion.
- 42625 RADT, C. A half-century of ethnobotany of American hallucinogens. (Fr) *J. Agr. Trop. Bot. Appl.* 12(9/10):496-500. Ref. Sept./Oct. 1965. 26 J822
- 42626 RIPLEY, T. H., and PERKINS, C. J. Estimating ground supplies of seed available to bobwhites. *J. Wildlife Manage.* 29(1):117-121. Jan. 1965. 410 J827
- 42627 ROBEL, R. J., and SLADE, N. A. The availability of sunflower and ragweed seeds during fall and winter. *J. Wildlife Manage.* 29(1):202-206. Ref. Jan. 1965. 410 J827
To wildlife.

- 42628 ST. LAURENT, L. The photography of leaves with the aid of the polarizing filter. *Biol. Photogr. Ass. J.* 34(1):38-39. Feb.1966. 332.9 B52
- 42629 STEVENS, W. R. A horticultural journey to western Australia. VII. *New Zeal. Plants Gard.* 6(3):107-112. June 1965. 80 N4824
Collecting native plants.
- 42630 TSUMURA, K. A curious fossil diatom, *Annelus californicus* was also found in Japan. (Ja) *Amatores Herb.* 26(4):29. Jan.25,1966. 450 Am12
- 42631 WHITE, M., and HARRIS, S. W. Winter occurrence, foods, and habitat use of snipe in north-west California. *J. Wildlife Manage.* 30(1):23-34, map. Ref. Jan.1966. 410 J827
Includes plant food.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 42632 BANKS, H. P. Some recent additions to the knowledge of the early land flora. *Phytomorphology* 15(3):235-245. Ref. Sept.1965. 450 P566
Includes history.
- 42633 CUFODONTIS, G. The flora of Gojjam. 2. (Ge) *Senckenb. Biol.* 46(2):115-120. May 31,1965. 410.9 Se5
- 42634 HANSEN, A. New contribution to the flora of Aero. (Da) *Flora Fauna* 71(3):106-109. Sept. 1965. 410 F662
- 42635 HANSEN, A., and PEDERSEN, A. Notes on the flora and vegetation of Denmark. 22-28. (Da) *Flora Fauna* 71(3):83-94, map. Ref. Sept.1965. 410 F662
English summary.
- 42636 JAVORSKY, E. Subtropic flora thrives on 50th parallel. *Natur. Hist.* 75(2):18-23. Feb.1966. 500 N483J
Flora on Scilly.
- 42637 KHRZHANOVSKII, V. G. Some problems of microphylogeny. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:489-495. 1965. 20 M857
In relation to plant taxonomy.
- 42638 MASAMUNE, G. *Icones plantarum asiaticarum*. 25. (Ja) *J. Geobot.* 13(4):xiii-xxi. Mar. 1965. 450 H68
English summary.
- 42639 OHARA, T. A list of abbreviations used in Flora USSR [Unionis Rerumpublicarum Sovieticarum Socialisticarum]. *J. Jap. Bot.* 41(1):25-32, map. Jan.1966. 450 J8223
Text in Latin, Russian and Japanese.
Flora SSSR issued by the Botanicheskii Institut imeni V. L. Komarova of the Akademiya Nauk SSSR.
- 42640 PONSINET, G., and OURISSON, G. Chemotaxonomic studies of the family Euphorbiaceae. I. General introduction, separation, and identification of natural monohydroxyl tetracyclic terpenes. (Fr) *Phytochemistry* 4(6):799-811. Ref. Nov.1965. 450 P5622
English summary.
Spectroscopic and chromatographic methods used.
- 42641 PONSINET, G., and OURISSON, G. Chemotaxonomic studies of the family Euphorbiaceae. II. Triterpenes of *Hura crepitans* L. (Fr) *Phytochemistry* 4(6):813-815. Nov.1965. 450 P5622
English summary.
24-methylene cycloartanol, cycloartenol, and butyrospermol.
- 42642 RUZICKA, M., and DRDOS, J. Problemy biologie krajiny [Geobiological problems]. 1. *Biol. Prace* 11(10), 83 p. Ref. 1965. 442.9 SL52
German summary.

- 42643 SANO, S., and OKAMOTO, S. A list of indigenous and planted plants in the Tokuyama Experimental Forest Station, Kyoto University. (Ja) *Kyoto Univ. Forest. Rep.* 8(8):35-78. Mar.1965. 99.9 K992E
Indexes to scientific and Japanese names, 15 p.
- 42644 SUBRAMANIAN, K. N. Further contribution to the flora of Boluvampatti valley forests, Coimbatore district, Madras State. *Indian Forest.* 92(1):39-50, map. Jan.1966. 99.8 In2
- 42645 TAKAHASHI, Y., ECHIGO, M., and OGASAWARA, K. Flora of Mt. Toyoni and its adjacent areas, Prov. Hidaka, Hokkaido. 1. (Ja) *Amatores Herb.* 26(4):9-11. Jan.25,1966. 450 Am12

Spermatophytes

- 42646 ANDERSON, E. The golden larch, *Pseudolarix amabilis*. *Mo. Bot. Gard. Bull.* 56(2):3-11. Feb.1966. 451 M69B
- 42647 ANDREAS, C. H. Some intraspecific forms of *Ranunculus ficaria* L. (Du) *Gorteria* 3(1):11-12. Jan.1,1966. 450 G68
English summary.
- 42648 AYRES, F. D. Giants of the puna. *Natur. Hist.* 75(3):54-57. Mar.1966. 500 N483J
Puya raimondii.
- 42649 BANERJEE, S. P. A new species of *Trichodesma* R. Br. from Burma. *Indian Forest.* 92(1):56-58. Jan.1966. 99.8 In2
Trichodesma decurrens n. sp.
- 42650 BERG, R. Y. Seed dispersal of *Dendromecon [rigida]*: its ecologic evolutionary, and taxonomic significance. *Amer. J. Bot.* 53(1):61-73. Ref. Jan.1966. 450 Am36
- 42651 BLACK, M. The genus *Dimorphanthera*. *Roy. Hort. Soc. J.* 91(3):131. Mar.1966. 84 L84J
- 42652 BOSSEAUX, M. E. Vegetation and flora of Saint Pierre and Miquelon. (Fr) *J. Agr. Trop. Bot. Appl.* 12(9/10):454-495. Sept./Oct.1965. 26 J822
- 42653 BROWNE, E. T., and PITTILO, D. Some new or rarely reported species of angiosperms from Kentucky. *Elisha Mitchell Sci. Soc. J.* 81(1):15-16. Ref. May 1965. 500 EL4
- 42654 CASTETTER, E. F., and PIERCE, P. *Escobaria leei* Bodeker rediscovered in New Mexico. *Madrono* 18(5):137-140. Jan.1966. 450 M26
- 42655 COLEMAN, J. R. A taxonomic revision of section *Sonoricola* of the genus *Verbesina* L. (Compositae). *Madrono* 18(5):129-137. Jan. 1966. 450 M26
Includes chromosome numbers.
- 42656 CONERT, H. J. On the genus *Xyris* of New Caledonia (Monocot., Xyridaceae). (Ge) *Senckenb. Biol.* 46(2):183-188. May 31,1965. 410.9 Se5
Includes n. sp.
- 42657 CONERT, H. J. On the related species of *Danthonia curva*. (Ge) *Senckenb. Biol.* 46(2):175-182. May 31,1965. 410.9 Se5
Includes n. sp. in *Danthonia*.
- 42658 CRITCHFIELD, W. B., and LITTLE, E. L. Geographic distribution of the pines of the world. *U. S. D. A. Misc. Publ.* 991, 97 p., map. Ref., p.21-29. Feb.1966. 1 Ag84M
- 42659 CUATRECASAS, J. Miscelanea on neotropical flora. II. (Sp) *Ciencia* 24(1/2):121-124. June 10,1965. 475 C48
English summary.
New spp. in *Peperomia*, *Weinmannia*, *Seneccio*, and *Chaptalia* from South America.
- 42660 CUFODONTIS, G. Systematic treatment of the plants collected in southern Ethiopia. 5. (Ge) *Senckenb. Biol.* 46(2):89-114. Ref. May 31, 1965. 410.9 Se5
Includes n. spp. in *Discopodium*, *Canthium*, and *Psychotria*.

- 42661 DE LAUBENFELS, D. J. The relationships of *Fitzroya cupressoides* (Molina) Johnston and *Diselma archeri* J. D. Hooker based on morphological considerations. *Phytomorphology* 15 (4):414-419. Ref. Dec.1965. 450 P566
- 42662 DE WILDE, J. J. F. E. *Trichilia monadelph* (Thonn.) J. J. De Wilde, comb. nov.; a preliminary note. *Acta Bot. Neer.* 14(4):453-460. Jan. 1966. 450 Ac822
In Africa.
- 42663 DRAKE, MRS. C. Some plants new to the Panhandle of Texas. *SIDA* 2(2):171. Dec.1965. 450 Si1
Three Leguminosae and *Linum aristatum*.
- 42664 DUIVEN, J. M. *Geranium phaeum* L. as a relic of former culture. (Du) *Gorteria* 3(1):4. Jan.1,1966. 450 G68
English summary.
- 42665 EDWIN, G. An new Peruvian *Illex*. *Brittonia* 17(3):284-285. July 1965. 450 B77
Illex macridiana n. sp.
- 42666 EILART, J. *Sorbus rupicola* (Syme) Lindman, a rare native tree. (Es) *Eesti Loodus* 2:84-88, map. Ref. Mar./Apr.1965. 409.6 Ee7
English summary, p.3 preceeding p.65.
- 42667 ELIOVSON, S. Spring flowers in Namaqualand. *Roy. Hort. Soc. J.* 91(2):90-93. Feb.1966. 84 L84J
- 42668 FINNIS, V. *Lobelia tupa*. *Roy. Hort. Soc. J.* 91 (3):132. Mar.1966. 84 L84J
- 42669 FREYTAG, G. F. Classification of common bean (*Phaseolus vulgaris* L. and related species). (Sp) *Ceiba* 11(1):51-64. Ref. Mar. 1965. 475 C32
English summary.
- 42670 GANDERS, F. R. Occurrence of the genus *Euphrasia* in the Pacific Northwest. *Madrono* 18(5):160. Jan.1966. 450 M26
- 42671 GANKIN, R. Some observations on the growth habit of certain manzanitas. *Leaf. West. Bot.* 10(13):245-250. Ref. Feb.1966. 450 L47
Arcostaphylos spp.; chiefly identification.
- 42672 GILLI, A. Contributions to the flora of Afghanistan. IV. Ranales and Rhoeadales. (Ge) *Feddes Repert.* 69(3):155-175. Oct.15,1964. 450 R29
Includes *Draba buddhae* n. sp.
- 42673 HARDHAM, C. B. Three diploid species of the *Monardella villosa* complex. *Leaf. West. Bot.* 10(13):237-242. Feb.1966. 450 L47
Includes *M. venitensis* n. sp. and *M. antomina* n. sp.
- 42674 HENDRYCH, R. Two new *Thesium* species from China and Nepal. *Feddes Repert.* 70 (1/3):149-154. Mar.30,1965. 450 R29
Thesium cathaicum n. sp. and *T. emodi* n. sp.
- 42675 HISAUCHI, K. A form of *Tricyrtis hirta* Hooker. (Ja) *J. Jap. Bot.* 41(1):10. Jan.1966. 450 J8223
English summary.
- 42676 HOOVER, R. F. A new California *Stephanomeria*. *Leaf. West. Bot.* 10(13):252-254. Feb. 1966. 450 L47
Stephanomeria carotifera n. sp.
- 42677 HOTCHKISS, N. Bulrushes and bulrushlike plants of Eastern North America. U. S. Fish Wildlife Serv. Circ. 221, 19 p. May 1965. 156.2 C49
- 42678 HOWELL, J. T. *Amaranthus arenicola* in Monterey County, California. *Leaf. West. Bot.* 10(13):256. Feb.1966. 450 L47
- 42679 HOWELL, J. T. A new *Potentilla* from the Sierra Nevada, California. *Leaf. West. Bot.* 10(13):254-255. Feb.1966. 450 L47
Potentilla tularensis n. sp.
- 42680 HYAMS, E. *Pittosporum tenuifolium* in Devon. *Roy. Hort. Soc. J.* 91(3):130-131. Mar.1966. 84 L84J
- 42681 KERN, P. The genus *Tiarella* in western North America. *Madrono* 18(5):152-160. Jan.1966. 450 M26
- 42682 KHRZHANOVSKII, V. G., and BOGDANOVA, T. L. Basic forms of the genus *Polygonum* and their distribution in the floras of the world. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad.* K. A. Timiryazeva. *Dokl.* 102:497-502, map. 1965. 20 M857
Evolution.
- 42683 KURATA, S. A new form of *Loxogramme salicifolia* Makino. (Ja) *J. Geobot.* 13(3):72. Feb.1965. 450 H68
- 42684 LAUNERT, E. *Eccoptocarpha*, a new genus from Zambia (Gramineae, Panicoideae, Paniceae, Panicinae). *Senckenb. Biol.* 46(2):123-128. May 31,1965. 410.9 Se5
- 42685 LAUNERT, E. Pro domo: *Loxodera* (Gramineae, Andropogoneae, Rottboelliinae, Rottboelliinae). *Senckenb. Biol.* 46(2):121-122. May 31,1965. 410.9 Se5
Text in English.
Loxodera ledermanii, *L. epectinata*, and *L. bovonei*.
- 42686 LAUNERT, E. A survey of the genus *Leersia* in Africa (Gramineae, Oryzoideae, Oryzeae). *Senckenb. Biol.* 46(2):129-154, map. Ref. May 31,1965. 410.9 Se5
Includes n. sp.
- 42687 LEE, G. S. Natural plantings. *Amer. Hort. Mag.* 45(1):129-131. Jan.1966. 80 N216
Narcissus as wild flowers; includes varieties.
- 42688 MASAMUNE, G., and SATOMI, N. Distribution maps of Orchidaceae in Japan. 21. (Ja) *J. Geobot.* 13(3):65, map. Feb.1965. 450 H68
Microtis formosana.
- 42689 MASAMUNE, G. *Icones plantarum asiaticarum*. *J. Geobot.* 13(3):ix-xii. Feb.1965. 450 H68
English and Japanese.
- 42690 MATSUMURA, Y. An example of edible native plants of Nippon. (Ja) *Amatores Herb.* 26(4):11-12. Jan.25,1966. 450 Am12
Lycopus parviflorus.
- 42691 MATSUMURA, Y., and KUBOTA, H. *Icones geophyticum Japonicarum*. 27. (Ja) *Amatores Herb.* 26(4):15-18. Jan.25,1966. 450 Am12
- 42692 MCVAUGH, R., and RZEDOWSKI, J. Synopsis of the genus *Bursera* L. in western Mexico, with notes on the material of *Bursera* collected by Sesse & Mocino. *Kew. Roy. Bot. Gard. Kew Bull.* 18(2):317-382, map. Ref. 1965. 451 K51B
Includes n. spp.
- 42693 MEYER, F. G. *Narcissus* species and wild hybrids. *Amer. Hort. Mag.* 45(1):46-76. Ref. Jan.1966. 80 N216
- 42694 MILNE-REDHEAD, E. *Arisaema schimperi* (Araceae). *Curtis's Bot. Mag. (n.s.)* 175 (4):tab.474 and text. Nov.19,1965. 450 C94
- 42695 MITCHELL, W. W., and WILTON, A. C. Redefinition of *Bromus ciliatus* and *B. richardsonii* in Alaska. *Brittonia* 17(3):278-284, map. July 1965. 450 B77
- 42696 MOLINA R., A. New phanerogams from Central America. (Sp) *Ceiba* 11(1):65-71. Mar. 1965. 475 C32
New spp. in *Dicliptera*, *Euphorbia*, *Ugni*, *Desmanthodium*, and *Tragia*.
- 42697 MULKIDZHANYAN, YA. I. *Platanus orientalis* L. in Transcaucasia. (Rus) *Bot. Zhur. [Moscow]* 50(11):1628-1629. Nov.1965. 451 R923
- 42698 MUROI, H. Bamboo hunting on Mt. Kiyosumi, Chiba Prefecture. (Ja) *Amatores Herb.* 26(4):13-14. Jan.25,1966. 450 Am12
- 42699 OGATA, K. A dendrological study on the Japanese *Aceraceae*, with special reference to the geographical distribution. *Tokyo Univ. Forest. Bull.* 60:1-99, map. Ref. June 1965. 99.9 T57

- 42700 OVERLEASE, W. R. A study of variation in the red oak group [*Erythrobalanus*] in Michigan and nearby states. Diss. Abs. 26(4):1881. Oct. 1965. 241.8 M58
- 42701 PHILCOX, D. Contributions to the flora of Tropical America. LXXIV. Revision of the New World species of *Buchnera* L. (Scrophulariaceae). Kew. Roy. Bot. Gard. Kew Bull. 18(2): 275-315. Ref. 1965. 451 K51B
- 42702 PHILIPSON, W. R. The New Zealand genera of the Araliaceae. New. Zeal. J. Bot. 3(4):333-341. Ref. Dec.1965. 450 N48
- 42703 PORK, K. *Festuca sulcata* (Hack.) Nym. for the first time discovered in Estonian SSR. (Es) Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaraamat 56:113-115. 1964. 511 Ak191 German summary.
- 42704 ROUSI, A. Biosystematic studies on the species aggregate *Potentilla anserina* L. Ann. Bot. Fenn. 2(1):47-112, map. Ref. 1965. 450 An79
- 42705 RUDD, V. E. Another Mexican *Desmanthus*? Leaf. West. Bot. 10(13):243-244. Feb.1966. 450 L47
Transfer of *Anneslia nervosa* to *Desmanthus nervosus*.
- 42706 SHAW, H. K. A. Diagnoses of new families, new names, etc; for the seventh edition of Willis's "Dictionary." Kew. Roy. Bot. Gar. Kew Bull. 18(2):249-273. 1965. 451 K51B
Alseuosmiaceae, n. fam., *Androstachydaceae*, n. fam., *Bischofiaceae*, n. fam., *Blepharocaryaceae*, n. fam., *Canotiaceae*, n. fam., *Emblingiaceae*, n. fam., *Flinderasiaceae*, n. fam., *Foetidiaceae*, n. fam., *Goetzeaceae*, n. fam., *Hanguanaceae*, n. fam., *Hymenocardiaceae*, n. fam., *Kingdoniaceae*, n. fam., *Leonticaceae*, n. fam., *Oncothecaceae*, n. fam., *Paracryphiaceae*, n. fam., *Plagiopleraceae*, n. fam., *Sladeniaceae*, n. fam., *Tetramelaceae*, n. fam., *Tribelaceae*, n. fam., *Triplotegiaceae*, n. fam., *Uapacaceae*, n. fam., *Chaetostachyidum*, n. g., *Ctenocladium*, n. g., *Needhamiella*, n. g. and *Sohnsia*, n. g.
- 42707 SHINNERS, L. H. *Cynanchum angustifolium* Persoon instead of *C. palustre* (Asclepiadaceae). SIDA 2(2):174. Dec.1965. 450 Si1
- 42708 SIPKES, C. The marsh purslane, *Ludwigia palustris* (L.) Elliott, in the Belgian Campine. (Du) Gorteria 3(1):2-4. Jan.1,1966. 450 G68 English summary.
- 42709 SMITH, C. F. Two amaranths in Santa Barbara County, California. Leaf. West. Bot. 10(13): 255-256. Feb.1966. 450 L47
Amaranthus arenicola and *Brayulinea densa*.
- 42710 SOKOLOVA-DOMANSKAYA, N. P. Ontogenesis of cinquefoil [*Potentilla*]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:515-520. 1965. 20 M857
- 42711 SOLYMOSY, S. L. *Limnophila indica* (R. Br.) Druce (Scrophulariaceae) in Louisiana. SIDA 2 (2):175. Dec.1965. 450 Si1
- 42712 TAKENAKA, Y. Studies on the genus *Prunus*. II. The origin of *Prunus yedoensis*. (Ja) Bot. Mag. Tokyo 78(926/927):319-331. Aug./Sept. 1965. 450 B651
English summary.
- 42713 VISSER, A. DE. A new locality for *Trifolium micranthum* Viv. (Du) Gorteria 3(1):1-2. Jan.1,1966. 450 G68
English summary.
- 42714 VRIES, K. DE. Hybrids. (Du) Orchideeen (n.s.)27(3):60-61. June 1965. 80 Or182
- 42715 WEBSTER, G. L. A revision of the genus *Meinertia* (Euphorbiaceae). Acta Bot. Neer. 14(3): 323-365, map. Ref. Nov.1965. 450 Ac822
Includes n. spp.
- 42716 WEILER, J. New records and observations on *Crocidium*. Leaf. West. Bot. 10(13):251-252. Feb.1966. 450 L47
Crocidium multicaule.

- 42717 WILBUR, R. L. Nomenclatural note: *Aster tortifolius* vs. *A. bifolius*. Elisha Mitchell Sci. Soc. J. 81(1):54. May 1965. 500 EL4

- 42718 WILLAMAN, J. J. The oldest living plants. Morris Arboretum Bull. 16(4):65-66. Dec. 1965. 451 P383
Taxodium mucronatum, *Sequoia gigantea*, *Pinus aristata*, and *Gaylussacia brachycera* in the United States.

Pteridophytes

- 42719 KURATA, S. Notes on Japanese ferns. 36. (Ja) J. Geobot. 13(4):98-101. Mar.1965. 450 H68
English summary.
New spp. in *Arachniodes*, *Lindsaea* and *Sphenomeris*.
- 42720 WAGNER, W. H. *Pellaea wrightiana* in North Carolina and the question of its origin. Elisha Mitchell Sci. Soc. J. 81(2):95-103. Ref. Nov. 1965. 500 EL4

Bryophytes

- 42721 HONG, W. The phytogeographical relationships of the leafy Hepaticae of South Korea with a special consideration to their occurrence in North America. Diss. Abs. 26(7):3602. Jan. 1966. 241.8 M58
- 42722 INOUE, H. Miscellaneous notes on hepatics of Japan. 5. (Ja) J. Jap. Bot. 41(1):14-16. Jan. 1966. 450 J8223
English summary.
- 42723 PROSKAUER, J. On the liverwork *Phyllohallia [nivicola]*. Phytomorphology 15(4):375-379. Dec.1965. 450 P566
In New Zealand.
- 42724 SCHUSTER, R. M. North American *Lejeunea*-ceae. IX. *Taxilejeunea*. Elisha Mitchell Sci. Soc. J. 81(1):32-50. May 1965. 500 EL4
Includes n. spp.

Algae

- 42725 COLEBROOK, J. M., and ROBINSON, G. A. Continuous plankton records: seasonal cycles of phytoplankton and copepods in the north-eastern Atlantic and the North Sea. Bull. Mar. Ecol. 6(5):123-139, map. Ref. Aug.1965. 410 B87
- 42726 CRIBB, A. B. An ecological and taxonomic account of the algae of a semi-marine cavern, Paradise Cave, Queensland. Queensland. Univ. Dep. Bot. Pap. 4(16):259-282. Ref. 1965. 442.9 Q33
Includes n. spp. in *Gongrosira* and *Caulacanthus*.
- 42727 ROBINSON, G. A. Continuous plankton records: contribution towards a plankton atlas of the North Atlantic and the North Sea. X. *Navicula planamembranacea* Hendey. Bull. Mar. Ecol. 6(5):141-145, map. Aug.1965. 410 B87
- 42728 STRAIN, H. H. Chloroplast pigments and the classification of some siphonolean green algae of Australia. Biol. Bull. 129(2):366-370. Ref. Oct.1965. 442.8 B52
- 42729 TERA, M., and TANIGUCHI, M. Seasonal variation of marine algae on the coast of cape "Ira-komisaki" Aichi Prefecture. (Ja) Amatores Herb. 26(4):2-4. Jan.25,1966. 450 Am12

Fungi (Including Lichens)

- 42730 AGNIHOTHRUDU, V., and BARUA, G. C. S. Notes on fungi from north-east India. XVIII. The occurrence of *Pestalotia palmarum* Cooke (Sensu Guba) and the *Rhynchosphaeria* perfect stage in Assam. Indian Bot. Soc. J. 44(2):290-292. 1965. 450 J821

- 42731 AGNIHOTHURUDU, V. Notes on fungi from north-east India. XIX. Two rare Myxomycetes from Assam. Indian Bot. Soc. J. 44(2):293-296. Ref. 1965. 450 J821
Stemonitis uvifera and Physarum oblatum.
- 42732 BAKER, G. E. Inadvertent distribution of fungi. Can. J. Microbiol. 12(1):109-112. Ref. Feb. 1966. 448.8 C162
Phycomycetes, Ascomycetes and Fungi imperfecti in Hawaii.
- 42733 BATRA, S. K., and BAJAJ, B. S. Streptomyces anandii—a new species of Streptomyces isolated from soil. Indian J. Exp. Biol. 3(4):240-242. Oct.1965. 442.8 In2
- 42734 BEYER, L., and LUNDEBERG, G. Reference collection of pure cultures of fungi at the Department of Forest Botany, The Royal College of Forestry, Stockholm, Sweden. Stockholm. Skogshogsk. Inst. Skogsb. Publ. 140, 6 p. 1965. 99.9 St65
- 42735 CUNNINGHAM, G. H. Polyporaceae of New Zealand. New. Zeal. Dep. Sci. Indus. Res. Bull. 164, 304 p. Ref. Dec.1965. 330.9 N48B
Includes n. spp. in *Poria*, *Irpex*, *Flabellophora* n. g., *Dendrochaete* n. g., *Tyromyces*, *Laricifomes*, *Coltricia*, *Inonotus*, *Fuscoporia*, *Metuloidea* n. g., and *Gloeophyllum*.
- 42736 DI MENNA, M. E. Yeasts in Antarctic soils. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(1):29-38. Ref. 1966. 448.8 N28A
- 42737 DODGE, C. W. Lichenological notes on the flora of the Antarctic Continent and the Subantarctic Islands. VI. New taxa from the Antarctic Continent and adjacent islands. Amer. Microscop. Soc. Trans. 84(4):507-529. Oct.1965. 440.9 Am33
Siphulina n. g. and n. spp. in *Polyblastia*, *Heppia*, *Latzelia*, *Psoroma*, *Bacidia*, *Biatorrella*, *Biatorrellopsis* n. g., *Acarospora*, *Lecanora*, *Lecania*, *Candelariella*, *Usnea*, *Protoblastenia*, *Caloplaca*, *Gasparrinia*, *Polycauliona*, *Buellia*, *Rinodina*, and *Physcia*.
- 42738 DRECHSLER, C. A robust Conidiobolus with zygospores containing granular parietal protoplasm. Mycologia 57(6):913-926. Nov./Dec. 1965. 450 M99
Conidiobolus eurymitus n. sp.
- 42739 EMOTO, Y. The first collector of Myxomycetes in Japan. (Ja) Mycol. Soc. Jap. Trans. 6(1):24-26. Aug.20,1965. 451 N622
English summary.
American botanist Charles Wright's work in Japan.
- 42740 FAUREL, L., and SCHOTTER, G. Mycological notes. IV. Coprophilous fungi from central Sahara, especially from Tefedest. (Fr) Rev. Mycol. 30(3):141-165. Ref. Sept.15,1965. 450 An74
New spp. in *Melanospora*, *Cubonia*, *Ryparobius*, *Phoma*, *Sphaeronaema*, *Dactylella*, *Myrothecium*, *Dimastigosporium*, n. g., *Quetzelia*, n. g., and *Chaetospora*, n. g.
- 42741 FELL, J. W. Sterigmatomyces, a new fungal genus from marine areas. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(1):99-104. 1966. 448.8 N28A
- 42742 HUGHES, S. J. New Zealand fungi. 5. Trichothallus and Plokamidomyces states of Trichopelthea. New Zeal. J. Bot. 3(4):320-332. Dec. 1965. 450 N48
Includes n. sp. in *Trichopelthea*.
- 42743 JOLY, P. Two new species of fungi from Comoro Islands. (Fr) Rev. Mycol. 30(3):133-140. Sept.15,1965. 450 An74
Exosporium indigoferae n. sp. and *Pazschkeella comoriensis* n. sp.
- 42744 KONECSNI, I. Fungi growing in garden. (Hu) Buvar 10(3):160-162. May/June 1965. 410 B98
- 42745 KOWALSKI, D. T. New records of Myxomycetes from California. I. Madrono 18(5):140-142. Jan.1966. 450 M26
- 42746 KREISEL, H. Preliminary revision of the genus *Bovista* Dill. ex Pers. (Ge) Feddes. Rept. 69(3):196-211. Ref. Oct.1964. 450 R29
Includes *Bovista glacialis*, n. sp.
- 42747 MAKINEN, Y., and HIETAJARVI, L. On Finnish micromycetes. 5. *Albugo candida* in Finland with special reference to the variation in the size of the conidia. Ann. Bot. Fenn. 2(1):33-46, map. Ref. 1965. 450 An79
- 42748 MATSUDA, I. Two species of *Tulostoma* found on Niigata sand dunes. (Ja) Mycol. Soc. Jap. Trans. 6(1):17-19. Aug.20,1965. 451 N622
- 42749 MATSUO, A. On the biological and morphological differences between *Gymnosporangium shiraianum* Hara and *G. juniperi* Link. (Ja) Mycol. Soc. Jap. Trans. 6(1):20-23. Aug.20, 1965. 451 N622
English summary.
- 42750 MATTA, A. A disease of lettuce caused by a new species of *Pythium*. (It) Phytopathol. Mediter. 4(1):48-53. May 1965. 464.8 P565
English summary.
Pythium tracheiphilum n. sp.
- 42751 MILLER, C. E. Observations on some parasitic aquatic Phycomycetes. Elisha Mitchell Sci. Soc. J. 81(1):4-9. Ref. May 1965. 500 EL4
In Virginia; includes spp. in *Lagenidium*.
- 42752 MILLER, O. K. Three new species of lignicolous agarics in the *Tricholomataceae*. Mycologia 57(6):933-945. Nov./Dec.1965. 450 M99
Lentinellus montanus n. sp., *Lentinus ponderosus* n. sp., and *Panus fragilis* n. sp.
- 42753 MYCOLOGICAL SOCIETY OF JAPAN. KANSAI. BR. Fungi in the primeval forest of Mt. Kasuga-yama, Nara-City. (Ja) Mycol. Soc. Jap. Trans. 6(1):27-31. Aug.20,1965. 451 N622
- 42754 NICOT, J. *Curvularia geniculata* Jain, soil saprophyte in the Far East. (Fr) Rev. Mycol. 30(3):205-208. Sept.15,1965. 450 An74
- 42755 POKORNY, F. Flower-like fungi. (Hu) Buvar 10(5):294-296. Sept./Oct.1965. 410 B98
Gasteromycetes.
- 42756 PRIHODA, A. Carnivorous fungi. (Cz) Ziva 13(4):135-137. July 1965. 409.6 Z6
Chiefly nematophagous.
- 42757 TAKAHASHI, M., and KAWASE, Y. Ecologic and taxonomic studies on *Pythium* as pathogenic soil fungi. V. Several species of *Pythium* causing root rot of strawberry. (Ja) Phytopath. Soc. Japan. Ann. 30(4):181-185. Ref. Sept.1965. 464.9 P562
English summary.
Includes n. sp.
- 42758 TSUBAKI, K. Short note on aquatic spora in East New Guinea. Mycol. Soc. Jap. Trans. 6(1):11-16, map. Ref. Aug.20,1965. 451 N622
- 42759 VAN DER WALT, J. P. *Lodderomyces*, a new genus of the *Saccharomycetaceae*. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(1):1-5. 1966. 448.8 N28A
- 42760 YARROW, D. *Pichia onychis* sp. n. Antonie van Leeuwenhoek J. Microbiol. Serol. 31(4):465-467. 1965. 448.8 N28A
- 42761 YEN, J. M. Study of parasitic fungi of South-East Asia. III. Second note on some new species of *Cercospora* from Singapore. (Fr) Rev. Mycol. 30(3):166-204. Ref. Sept.15,1965. 450 An74

PATHOLOGY

General

BAILEY, M. A., and MAXWELL, N. Citrus tree cold protection utilizing solid petroleum fuel blocks as under-the-tree heaters. Rio Grande Val. Hort. Soc. J. 19:66-75. 1965. 81 L95

- 42763 BARAT, H. Overseas work on use of pesticides. (Fr) *Agron. Trop.* [Paris] 20(10):1046. Oct.1965. 26 Ag86
Plant protection.
- 42764 BARAT, H., and DELASSUS, M. Phytopathology; methods of development. (Fr) *Agron. Trop.* [Paris] 20(10):1038-1049. Oct.1965. 26 Ag86
Africa.
- 42765 COHEN, M. Pests and diseases in relation to intensive cereal production. *Nat. Inst. Agr. Bot. J.* 10(2):357-362. Ref. 1965. 103 N21J
- 42766 COUCH, H. B. Reorganizationitis—its cause and cure. *Va. Fruit* 54(2):90-92. Feb.1966. 81 V81B
Phytopathology, its research programs and teaching at Virginia Polytechnic Institute.
- 42767 DOROTKA, M. The state of health of wheat in 1964 in the area of Northern Banat. (Se) *Biljni Lek.* 10(4):10-12. 1965. 421 B49
Outbreaks of pests and diseases.
- 42768 EADIE, W. R., and HAMILTON, W. J. Control of small animals in homes and gardens. *Cornell Univ. Ext. Cornell Ext. Bull.* 729, rev., 16 p. Oct.1965. 275.29 N48E
- 42769 FAL'KENSHTAIN, B. YU. Protection of fruit orchards from rodents and rabbits. (Rus) *Sadovodstvo* 11:38-39. Nov.1965. 80 Sa13
- 42770 FISCHER, H. Tasks of plant protection in the simplification of agriculture. (Ge) Berlin. *Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:146-156. Ref. June 1965. 410.9 G31M
- 42771 FORSYTH, J., and MAYNARD, J. Notes from Wisley: plant pests in 1965. *Roy. Hort. Soc. J.* 91(2):81-84. Feb.1966. 84 L84J
Insects, fungi and weeds, on ornamental plants; chemical control.
- 42772 FRANK, F. Basic considerations on the chemical control of field mice and other vole like rodents since the disallowing of endrin. (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 17(7):104-108. July 1965. 442.9 B832
English summary.
- 42773 FRIS, G. The increasing air pollution. (Du) *Orchideen (n.s.)* 27(3):55-56. June 1965. 80 Or182
Includes damage to plants.
- 42774 GERMANY (FEDERAL REPUBLIC). BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. 35. Deutsche Pflanzenschutz-Tagung in Wiesbaden, 12-16, Oktober 1964 [35th German plant protection meeting in Wiesbaden, Oct. 12-16, 1964]. Berlin. *Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115, 236 p. Ref. June 1965. 410.9 G31M
- 42775 GILBERT, E. G. A tornado at Wisley. *Roy. Hort. Soc. J.* 91(3):101-103. Mar.1966. 84 L84J
Damages to fruit trees.
- 42776 GOODHUE, L. D., and BAUMGARTNER, F. M. Applications of new bird control chemicals. *J. Wildlife Manage.* 29(4):830-837. Oct.1965. 410 J827
Agricultural pests.
- 42777 GOULD, C. J. Diseases. *Amer. Hort. Mag.* 45(1):118-124. Jan.1966. 80 N216
Narcissus; includes control.
- 42778 GRAHAM, C., and others. 1966 Maryland spray calendar for commercial apple and peach growers. *Md. Univ. Ext. Ext. Bull.* 134, 12 p. 1966. 275.29 M36B
E. R. Krestensen, T. L. Bissell, L. O. Weaver, and G. J. Stadelbacher, joint authors.
- 42779 GRIMALDI, J., and NONEILLER, G. Disease of coconuts at Kribi. (Fr) *Cameroun Agr. Past. Forest.* 90:18-27. Sept.1965. 24 C353
- 42780 GRUTTE, E. Technical recommendations for the use of plant protection chemicals critically treated. (Ge) *Chem. Tech. Landwirt.* 16(7):215-216, 218. July 1965. 384 C4292
- 42781 HADDOCK, D. J. Heating air, when initial temperatures are either 20° or 40° F, and its relation to citrus-grove heating research in Texas. *Rio Grande Val. Hort. Soc. J.* 19:51-53. 1965. 81 L95
- 42782 HOGG, W. H. Report on work at Experimental Horticulture Stations with shelter screens. *Sci. Hort.* 18:61-66. 1964/65. 84 H78
Chiefly protection of vegetable crops from the wind; includes effects on yields.
- 42783 HOFINGER, M. 30 years of plant protection in Baden-Württemberg. (Ge) *Chem. Tech. Landwirt.* 16(11):374-376. Nov.1965. 384 C4292
- 42784 KALASHNIKOV, K. YA. Treatment of seeds. (Rus) *Zemledelie* 1:61-65. Jan.1966. 20 Z44
With different chemicals; disease control and growth promotion.
- 42785 KEPNER, R. A., CUMMINGS, M. W., and HOWARD, W. E. Mechanical application of gopher bait. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):335-337. 1965. 290.9 Am32T
Plant pests.
- 42786 KIRILLOV, V. P. Preplanting treatment of moistened corn seeds. (Rus) *Kukuruza* 11:41. 1965. 59.8 K95
Chemical, for control of fungus diseases and click beetles.
- 42787 KODYS, F. Does irrigation promote the occurrence of diseases and pests? (Cz) *Za Vysokou Urodu* 13(6):216-217. May 4, 1965. 64.8 Z12
In field crops.
- 42788 LEYDEN, R. F., HENSZ, R. A., and FUCIK, J. E. Under-the-tree heating tests in citrus orchards using petroleum coke fuel blocks. *Rio Grande Val. Hort. Soc. J.* 19:54-60. 1965. 81 L95
- 42789 LOMAS, J. Note on dew-duration recorders under semi-arid conditions. *Agr. Meteorol.* 2(5):351-359. Oct.1965. 340.8 Ag8
In relation to the spread of plant disease.
- 42790 MAXWELL, N., and BAILEY, M. Cold protection of citrus by under-the-tree heating with petroleum wax heaters. *Rio Grande Val. Hort. Soc. J.* 19:61-65. 1965. 81 L95
- 42791 MAŽERY, G. New device for the short hot water treatment of cane setts. *Mauritius Sugar Indus. Res. Inst. Annu. Rep.* 1964:97-98. 1965. 65.9 M442
- 42792 MCGLOHON, N. E. Diseases of greenhouse tomatoes. *Ga. Univ. Ext. Leaflet.* 42, 12 p.-folder. Oct.1965. 275.29 G29L
- 42793 MRAZ, F. Treatment of the Papaver seeds pays off. (Cz) *Za Vysokou Urodu* 13(2):58-59. Feb.1, 1965. 64.8 Z12
- 42794 MYSTERUD, I. Mice year and mice damage. (No) *Norsk Hageetid.* 81(11/12):218-219. Nov./Dec.1965. 80 N81
Prevention of injuries to fruit trees.
- 42795 NATAL'INA, O., and KOVALEVA, E. Diseases of berries. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 12:47. Dec.1965. 281.8 Se44
- 42796 NETTLES, W. C., SMITH, F., and SPARKS, L. M. Cotton diseases; recommended controls for 1965. *Clemson Univ. Ext. Cotton Leaflet.* 2, 6 p.-folder. Feb.1965. 275.29 So86C
- 42797 NEWTON, I. Bud-eating by bullfinches in relation to the natural food-supply. *J. Appl. Ecol.* 1(2):265-279. Ref. Nov.1964. 410 J828
Fruit pests.
- 42798 NOVAKOVA-PFEIFEROVA, J. Current state and perspectives of the treatment of grain seeds. (Cz) *Za Vysokou Urodu* 13(12):472-474. Dec.7, 1965. 64.8 Z12
Includes equipment.
- 42799 OLDEN, E. J. Spring frost damage to cherries. (Sw) *Fruktodlaren* 36(5):82-83. June 1965. 86 Sv2F

- 42800 OSORES DURAN, A. Vegetable diseases. (Sp) Vida Agr. [Lima] 42(499):283,285,287-289,291-293,295,297-299,301,303-311. June 1965. 9.8 V66 Peru.
- 42801 OVCHINNIKOVA, L. M. Effectiveness of simultaneous application of economic poisons and mineral fertilizers in protection of Cruciferae seed against pests and diseases. (Rus) Mosk. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:457-462. 1964. 20 M857
- 42802 PETRIK, A. Some problems of the protection of plants against diseases and pests and their solution. (Se) Savremena Poljoprivreda 13(4):357-366. Apr.1965. 21 P75
- 42803 PIERCE, W. H. Regional plant quarantine gram, 1964. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:25-26. A423.9 R316R
- 42804 THE PINE mouse problem—as we see it. Va. Fruit 54(2):72-77. Feb.1966. 81 V81B
Panel discussion; moderator: H. A. Rollins; panel members: J. P. Dorsey, F. Frederickson, B. R. Lacy, and C. R. Solenberger.
Includes control.
- 42805 PLATE, H. P. The slug *Boettgerilla veriformis* Wiktor 1959 garden pest in Berlin. (Ge) Z. Angew. Zool. 52(4):507-511. 1965. 449 449.8 Z36
Includes chemical control.
- 42806 RANDALL, K. Keeping the birds out of your fruit trees. Org. Gard. Farming 13(4):50-52. Apr.1966. 57.8 Or32
Through planting of trees and shrubs whose berries appeal to birds.
- 42807 REPIC, B. Study of fruit tree freezing in orchards of Bosnia with special reference to their regeneration. (Se) Arh. Poljoprivredne Nauk. 18(60):107-128. Ref. 1965. 21.5 Y9
English summary.
Regeneration through cultural practices.
- 42808 SCHEIBE, K. What's new in plant protection? (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):379-381. Mar.10,1966. 18 N39
- 42809 SCHMIDLE, A. Phytopathological situation in German stone fruit and berry culture. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:117-128. Ref. June 1965. 410.9 G31M
- 42810 SEDLACEK, B. The occurrence of diseases caused by the irrigation of field crops. (Cz) Za Vysokou Urodu 13(5):173-174. May 4, 1965. 64.8 Z12
- 42811 SMITH, D. Freezing injury of forage plants. Amer. Soc. Agron. ASA. Spec. Publ. 5:32-56. Ref. Oct.1964. 64.9 Am3
- 42812 SMOLAK, J. A contribution to the study of "apoplexy" of apricots. (Cz) Ovocnarstvi Zelinarstvi 14(1):11-12. 1966. 80 Ov64
A complex of diseases.
- 42813 STEINDL, D. R. L. The Bureau quarantine house. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):77-78. Jan.1,1966. 65.9 Q3C
Protecting the sugarcane from diseases and insect pests.
- 42814 STOCKDALE, T. Controlling bird pests in your crops and feedlots. Ohio. State Univ. Ext. Leaflet. L-121,4 p. Aug.1965. 275.29 Oh32EL
Grain and fruit.
- 42815 STOICHEV, O. Protection of winter grains from pests and diseases. (Rus) Kolkhoz.-Sovkhoz. Proizv. Moldavii 9:53-54. Sept.1965. 20 Z45
- 42816 VALMARI, A. On night frost research in Finland. Suomen Maataloustieteellinen Seura. Julkaisu 107:191-214, map. Ref. 1965. 20 Su7
Includes plant protection.
- 42817 WEIGAND, G. Orienting experiments in the control of crows with alpha-chloralose. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 17(7):108-110. July 1965. 442.9 B832
- 42818 WICK, W. Q., and LANDFORCE, A. S. Mole and gopher control. Oreg. State Univ. Ext. Ext. Bull. 804, rev., 15 p., map. Aug.1965. 275.29 Or32B
Control by poison baits and traps of pests of pastures and ornamental plants.
- 42819 YOUNG, R. Microclimate temperatures of large and small citrus trees as affected by heat from LP gas heaters. Rio Grande Val. Hort. Soc. J. 19:76-83. 1965. 81 L95
Cold protection.
- 42820 ZAPATA, F., and CARDONA, C. Phytopathological studies in Colombia. (Sp) Agr. Trop. 21(11):750-776. Ref., p.768-776. Nov.1965. 26 Ag8
Literature review.
- 42821 ZAPLETAL, M. Problem of rats in today's agriculture of Czechoslovakia. (Cz) Agrochemia [Bratislava] 5(6):183-187. 1965. 385 Ag88
English summary.

Diseases Caused by Fungi

- 42822 ACIMOVIC, M. The occurrence of *Sclerotium bataticola* Taub. in some field crops and the morphological and ecological properties of the parasite. (Se) Savremena Poljoprivreda 13(1):55-66. Ref. Jan.1965. 21 P75
English summary.
- 42823 AGRIOS, G. N. Effect of extracts from healthy and virus-infected apple and pear tissues on the growth of certain pathogenic fungi. Phytopathology 56(2):176-179. Ref. Feb.1966. 464.8 P56
- 42824 ANDREEVA, E. I., and PRONCHENKO, T. S. Proper treatment of legumes with preparations containing mercury compounds. (Rus) Khim. Sel'skom Khoz. 4(1):25-27. Ref. Jan.1966. 385 K524
Treatment of broadbean seeds against fungus diseases.
- 42825 ARSENJEVIC, M. The effect of sources of sulfur and microelements on the development of *Septoria tritici* Rob. et Desm. (Se) Savremena Poljoprivreda 13(4):349-356. Ref. Apr. 1965. 21 P75
English summary.
- 42826 BAJAJ, B. S., CHATRATH, M. S., and VASUDEV, R. S. Mutation in *Colletotrichum falcatum*, the causal organism of red rot of sugarcane. V. Pathogenicity of biochemical mutants. Indian Phytopathol. 18(2):133-138. Ref. 1965. 464.8 In2
- 42827 BAJAJ, B. S., CHATRATH, M. S., and VASUDEV, R. S. Mutation in *Colletotrichum falcatum*, the causal organism of red rot of sugarcane. VI. Induced biochemical mutants as test organisms for bioassay of p-aminobenzoic acid and biotin. Indian Phytopathol. 18(3):253-256. 1965. 464.8 In2
- 42828 BELL, D. K. Fungi from hypocotyls and senescent cotyledons of peanuts from fungicide treated seed planted in two soils. Plant Dis. Rep. 50(3):162-166. Mar.1966. 1.9 P69P
Georgia.
- 42829 BHOWMIK, T. P., and PRASADA, R. Helminthosporium rostratum on maize in India. Indian Phytopathol. 18(3):312. 1965. 464.8 In2
Causing leaf spot.
- 42830 BIER, J. E. Some effects of microfloras in decay-free heartwood of *Abies lasiocarpa* (Hook.) Nutt. on the growth of *Stereum sanguinolentum* Alb. and Schw. ex Fries. Can. J. Bot. 44(2):139-147. Ref. Feb.1966. 470 C16C

- 42831 BLOK, I. Wilt disease of Clematis. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:82-87. 1965. 86 B65
Caused by *Coniothyrium clematidis* and *Ascochyta clematidis*.
- 42832 BLOK, I. Wilt disease of Coniferae and Ericaceae. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:81-82. 1965. 86 B65
Caused by *Phytophthora cactorum* and *P. cinnamoni*.
- 42833 BLOSS, H. E., and CRITTENDEN, H. W. Effect of amino acids and sugars on growth of *Diaporthe phaseolorum* var. *sojae* in liquid culture. *Phytopathology* 56(1):92-94. Jan.1966. 464.8 P56
Pod and stem blight of soybean.
- 42834 BORLAZA, P. B., and ROLDAN, E. F. A hitherto undescribed *Cercospora* leaf spot disease of winged bean (*Psophocarpus tetragonolobus* (Linn.) DC. *Araneta J. Agr.* 11(4):181-188. Oct./Dec.1964. 25 Ar1
Suggested name *Cercospora aranetae*.
- 42835 BRINGHURST, R. S., WILHELM, S., and VOTH, V. Verticillium wilt resistance in natural populations of *Fragaria chiloensis* in California. *Phytopathology* 56(2):219-222. Ref. Feb.1966. 464.8 P56
Resistance to *Verticillium albo-atrum*.
- 42836 CHAKRAVARTI, B. P. Attempts to alter infection processes and aggressiveness of *Puccinia graminis* var. *tritici*. *Phytopathology* 56(2):223-229. Ref. Feb.1966. 464.8 P56
Chiefly in wheat.
- 42837 CHEESMAN, J. H., ROBERTS, E. C., and TIFANY, L. H. Effects of nitrogen level and osmotic pressure of the nutrient solution on incidence of *Puccinia graminis* and *Helminthosporium sativum* infection in Merion Kentucky bluegrass [*Poa pratensis*]. *Agron. J.* 57(6):599-602. Ref. Nov./Dec.1965. 4 Am34P
- 42838 CHEN, C. C., and CHUNG, H. C. Factors affecting the isolation of microorganisms associated with coniferous seeds. *Acad. Sinica. Inst. Bot. Bot. Bull. N. S.* 6(2):106-115. Ref. July 1965. 451 Ac1B
Fungus causing damping-off of *Pinus* species.
- 42839 CHEREWICK, W. J. Smut, an additional cause of oat blast. *Phytopathology* 55(12):1368-1369. Dec.1965. 464.8 P56
Ustilago kollerii avenae.
- 42840 CHINNAPPA, C. C., and SREENIVASAN, M. S. Secondary sporidia in *Hemileia vastatrix*. *Cur. Sci.* 34(23):668-670. Dec.5,1965. 475 Sci23
On coffee.
- 42841 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 38(418):1382-1392. (Cont.) Dec.1965. 390.8 B87
National reports on new products for control of mildew *Plasmopara viticola*; Spain, by M. Benloch; Portugal, by A. R. Azevedo; Israel, by S. Pappo.
- 42842 CONTROL of *Cercospora* in bananas. (Sp) Vida Agr. [Lima] 42(499):312-314. June 1965. 9.8 V66
- 42843 DALY, J. M., and LIVNE, A. Dark fixation of carbon dioxide by healthy and rust-affected leaves of wheat and bean. *Phytopathology* 56(2):164-169. Ref. Feb.1966. 464.8 P56
- 42844 DEMECKO, J. Mixed fungicides. (Cz) Agrochemia [Bratislava] 5(6):181-183. 1965. 385 Ag88
English summary.
Copper oxychloride and zineb in the control of *Peronospora* of grapes.
- 42845 DOLLING, D. A. A method for the transformation of field data for comparing the mildew resistance of cereal varieties and the systematic derivation of the values in N.I.A.B. farmers' leaflets. *Nat. Inst. Agr. Bot. J.* 10(2):169-179. 1965. 103 N21J
- 42846 FAWCETT, C. H., and others. An antifungal acetylenic keto-ester from a plant of the Papilionaceae family. *Chem. Commun.* 18:422-423. Sept.22,1965. 382 C4223
D. M. Spencer, R. L. Wain, Sir E. R. H. Jones, M. Le Quan, C. B. Page, and V. Thaller, joint authors.
Broadbeans.
- 42847 FEDOTOVA, T. I., ed. Rak kartofelya i mery bor'by s nim; sbornik statei [Potato wart and measures of its control; collection of papers]. Leningrad, Kolos, 1964. 159 p. Ref. SB608,P8F4
Caused by *Synchytrium*.
- 42848 FELIX, S., LALLMAHOMED, G. M., and ORIEUX, L. Eggplant wilt *Diaporthe vexans* (Saccardo & Sydow) Gratz in Mauritius. *Rev. Agr. Sucriere Ile Maurice* 44(3):182-186. July/Sept.1965. 24 M44
- 42849 FIRMAN, I. D. A review of leaf rust and coffee berry disease control in Kenya. *Trop. Agr. [St. Augustine]* 42(2):111-119. Ref. Apr.1965. 26 T754
Leaf rust caused by *Hemileia vastatrix*, and coffee berry disease and elgon dieback caused by *Collectotrichum coffeanum*; literature review.
- 42850 FITZSIMMONS, R. W. Disease and frost damage to cereal crops, 1964-5. *Agr. Gaz. New S. Wales* 76(12):744-748. Dec.1965. 23 N472
Chiefly fungus disease of wheat; includes data on oats and barley.
- 42851 FOX, J. J., and WATANABE, K. A. Nucleosides. XXXII. On the structure of blasticidin S, a nucleoside antibiotic. 1. *Tetrahedron Lett.* 9:897-904. Ref. Mar.1966. 385 T29
Inhibitor of the rice blast fungus *Piricularia oryzae*.
- 42852 GARRETT, W. N. Dogwood diseases. *Ga. Univ. Ext. Leaflet* 36,6 p.-folder. Sept.1965. 275.29 G29L
Spot anthracnose, caused by *Elsinoe corni*; *Ascochyta* blight, caused by *Ascochyta cornicola*; and *Septoria* leafspot, caused by *Septoria cornicola*; includes control.
- 42853 GEMAWAT, P. D., and PRASAD, N. Test with different varieties of sesamum for resistance to *Phytophthora* [parasitica] blight of sesamum. *Indian Phytopathol.* 18(2):128-132. 1965. 464.8 In2
- 42854 GERLACH, W. A new fungus disease is spreading in Europe: *Pelargonium* rust (*Puccinia pelargonii-zonalis* Doidge). (Ge) *Nachrichtenbl. Deut. Pflanzenschutzdienstes* 17(7):97-100. Ref. July 1965. 442.9 B832
English summary.
- 42855 GHAFFAR, A. Additions to the hosts of *Macrophomina phaseoli* (Maubl.) Ashby. I. *Physalis peruviana*, *Rumex dentatus* and *Solanum nigrum*. *Plant Dis. Rep.* 50(3):171-172. Mar. 1966. 1.9 P69P
Pakistan.
- 42856 GLADMAN, R. J., and GREIG, B. J. W. Principal butt rots of conifers. *Great Brit. Forest. Comm. Booklet* 13,8 p. 1965. 99.9 G795B
Fomes annosus, *Armillaria mellea* and *Polyporus schweinitzii*.
- 42857 GOKHALE, V. P., and MOGHE, P. G. Preliminary investigations on Dahiya disease of cotton caused by *Ramularia areola* Atk. in Vidarbha. *Nagpur Agr. Coll. Mag.* 38(3):27-31. 1964/65. 107.5 N132
- 42858 GOOD, H. M., and JACKSON, R. S. Studies on a root rot of *Cattleya*. I. Isolation of the causal organism. *Amer. Orchid Soc. Bull.* 34(8):715-718. Aug.1965. 80 Am329
Chiefly *Fusarium* as the causal organism.
- 42859 GRANTI, A. Observations on *Spilocaea oleagina* (Cast.) Hugh. III. Submicroscopic structure of the epidermal cell wall of the olive leaf healthy or invaded by the fungus. (It) *Phytopathol. Mediter.* 4(1):38-47. Ref. May 1965. 464.8 P565
English summary.

- 42860 GREWAL, J. S., and SINGH, R. P. Chemical treatment of seed and nursery bed to control damping-off of cabbage. *Indian Phytopathol.* 18(3):225-228. 1965. 464.8 In2
Caused by the pathogens: *Pythium aphanidermatum*, *Rhizoctonia solani* and *R. bataticola*.
- 42861 GREWAL, J. S., and PAL, M. Seed microflora. II. Seed-borne fungi of *Setaria italica*, their distribution and control. *Indian Phytopathol.* 18(2):123-127. 1965. 464.8 In2
- 42862 GROVER, R. K. A pathogenic *Cunninghamella* [echinulata] on pumpkin [*Cucurbita maxima*] and its control. *Indian Phytopathol.* 18(3):257-266. Ref. 1965. 464.8 In2
- 42863 GYIMESI, J. Isolation and elucidation of the structure of crotocin, an antifungal antibiotic. I. *Acta Chim.* 45(4):323-328. Ref. 1965. 385 Ac83
From *Cephalosporium crotocinigenum*.
- 42864 HALASZ, E. Physiological specialization of maize smut (*Ustilago maydis*) D. C. (Cda) in Hungary. II. (Hu) *Novenytermeles* 14(4):357-364. Ref. Dec.1965. 64.8 N76
English summary.
- 42865 HART, J. H. Economic impact of Dutch elm disease in Michigan. *Arborist's News* 31(2):14-15. (Concl.) Feb.1966. 99.8 Ar14
- 42866 HARVEY, A. E., and GRAHAM, S. O. Separation and purification of fermentive concentrates containing the antibiotic phytoactin. *Phytopathology* 55(12):1366-1367. Dec.1965. 464.8 P56
In white pine blister rust control; *Glomerella cingulata*.
- 42867 HATA, K., SCHUBERT, W. J., and NORD, F. F. Fungal degradation of the lignin and phenolic acids of the bark of western pine [*Pinus monticola*]. *Arch. Biochem. Biophys.* 113(1):250-251. Jan.1966. 381 Ar2
Trees inoculated with *Fomes fomentarius* and *F. annosus*.
- 42868 HEATON, J. B., and MORSCHER, J. R. A foot-rot disease of rice, variety Blue Bonnet, in Northern Territory, Australia, caused by *Fusarium moniliforme* Sheldon. *Trop. Sci.* 7(3):116-121. 1965. 26 T756
- 42869 HERNDON, B. A., KUC, J., and WILLIAMS, E. B. The role of 3-methyl-6-methoxy-8-hydroxy-3,4-dihydroisocoumarin in the resistance of carrot root to *Ceratocystis fimbriata* and *Thielaviopsis basicola*. *Phytopathology* 56(2):187-191. Feb.1966. 464.8 P56
- 42870 HEWETT, P. D. The microflora of hot-water treated cereal seed. *Nat. Inst. Agr. Bot. J.* 10(2):252-254. 1965. 103 N21J
Fungi and bacteria killed by treatment recommended for control of *Ustilago nuda* in barley and wheat.
- 42871 HOES, J. A. A possible *Bipolaris sorokiniana*-*Fusarium nivale* sequence in roots and crowns of winter wheat in Washington. *Plant Dis. Rep.* 50(3):154-157. Ref. Mar.1966. 1.9 P69P
Cause of root and crown rot.
- 42872 HORNER, C. E. Oregon mint wilt research report. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting:2-11. 1966. 308.9 Or3
Caused by *Verticillium*.
- 42873 HOSFORD, R. M. Cytology of the fungus, *Phymatotrichum omnivorum* (Shear) Duggar. *Diss. Abs.* 26(4):1855-1856. Oct.1965. 241.8 M58
On cotton and alfalfa.
- 42874 HOUGHTON, E. R. Spraying bananas in the Windward Islands of the West Indies: some economic and operational aspects. *Agr. Aviation* 8(1):10-13. 1966. 333.8 Ag8
For control of Sigatoka caused by *Mycosphaerella musicola*.
- 42875 HRNCIAR, J. Control of the sugar beet disease caused by *Cercospora beticola*. (Cz) *Za Vysokou Urodu* 13(7):274-275. July 2, 1965. 64.8 Z12
- 42876 HRUSKA, L., and MUSIL, J. Complex protection of potatoes against the mildew. (Cz) *Za Vysokou Urodu* 13(2):74-75. Feb.1,1965. 64.8 Z12
- 42877 HSI, D. C. H. Observations on an outbreak of *Aspergillus* crown rot of Valencia peanuts in New Mexico. *Plant Dis. Rep.* 50(3):175-177. Ref. Mar.1966. 1.9 P69P
Caused by *Aspergillus niger*.
- 42878 HURTADO, E. A., and others. Efficacy of various fungicides for the control of *Cercospora* of tobacco. *Philippine Tobacco Rev.* 2(2):16-19. 46. Apr./Oct.1965. 286.89 P53
B. A. Estrada, H. R. Pascua, and U. V. Mardamba, joint authors.
- 42879 HURTADO, E. A., ESTRADA, B. A., and PASCUA, H. R. Seasonal occurrence of tobacco *Cercospora* leafspot disease. *Philippine Tobacco Rev.* 2(1):24,37. Jan./Mar.1965. 286.89 P53
- 42880 IBRAGIMOV, G. R., AKHMEDOV, S. A., and GARADAGI, S. M. Application of Fenturam and Fenturam-molybdate against diseases of broadbeans and chickpeas in Azerbaijan. (Rus) *Khim. Sel'skom Khoz.* 4(1):28-29. Jan.1966. 385 K524
Treatment of seeds against fungus diseases. Fenturam=40% TMDT, 10% copper trichlorophenol and 20% gamma-isomer hexachlorocyclohexane.
- 42881 INOUE, K. On forecasting the occurrence of citrus stock disease. (Ja) Shizuoka. *Citrus Exp. Sta. Bull.* 5:57-64. Ref. Oct.1965. 93.33 Sh62B
English summary.
Fungus diseases.
- 42882 INOUE, K., and NISHIGAYA, S. Studies on citrus melanose. IV. On the vigor of the pathogen. (Ja) Shizuoka. *Citrus Exp. Sta. Bull.* 5:51-55. Ref. Oct.1965. 93.33 Sh62B
English summary.
Diaporthes citri of Satsuma oranges.
- 42883 JACKSON, C. R. Growth of *Aspergillus flavus* and other fungi in windrowed peanuts in Georgia. VII. *Trop. Sci.* 7(1):27-34. Ref. 1965. 26 T756
- 42884 JAIN, A. C., and KULKARNI, N. Root and stem-rot of sesamum. *Indian Oilseeds J.* 9(3):201-203. July/Sept.1965. 307.8 In22
Caused by *Macrophomina phaseoli*.
- 42885 JANYSKA, A. Anthracnose of cucumbers deserves special attention in summer. (Cz) *Ovocnarnstvi Zelinarstvi* 13(7):186-187. 1965. 80 Ov64
Caused by *Colletotrichum orbiculare*.
- 42886 JEANNIN, B. Behavior of main French varieties of forage grasses toward cryptogamous pathogens. (Fr) *Fourrages* 23:43-71. Sept. 1965. 60.8 F82
English summary, p.163.
- 42887 JEWELL, F. F., and WALKER, N. M. Normal and abnormal mycelial characteristics of *Cronartium quercuum* in shortleaf pine [*Pinus echinata*]. *Phytopathology* 55(12):1325-1327. Ref. Dec.1965. 464.8 P56
- 42888 JOHNSON, T. Of interest just now. (Sw) *Fruktodlaren* 36(5):84-85. June 1965. 86 Sv2F
Control of fungus diseases of fruit by spraying.
- 42889 JONSSON, R. Some views on the club root problem. (Sw) *Svensk Frotidn.* 34(11):159-161. Nov.15,1965. 61.8 Sv2
Field crops.
- 42890 JOSHI, L. M. Effect of maleic hydrazide on rusts of wheat and barley. *Indian Phytopathol.* 18(3):303-308. Ref. 1965. 464.8 In2
Puccinia hordei on barley and *P. graminis tritici* and *P. recondita* on wheat.
- 42891 JOSHI, L. M., PRASADA, R., and GOEL, L. B. Studies on *Puccinia hordei*. I. Physiologic specialization and screening of varieties. *Indian Phytopathol.* 18(3):267-273. Ref. 1965. 464.8 In2
Using barley varieties as host plants.

- 42892 KALASHNIKOV, K. YA. Effectiveness of disinfectants applied to field crop seeds. (Rus) Khim. Sel'skom Khoz. 3(11):34-36. Nov.1965. 385 K524
Control of fungus diseases; includes effects on germination.
- 42893 KEIL, H. L. Cherry leaf-spot and its control. U. S. D. A. Leaflet. 489, slightly rev., 6 p.-folder. Dec.1965. 1 Ag84L
Caused by *Coccomyces hiemalis* in eastern United States.
- 42894 KHOVANSKAYA, K. N. Prevent black root of sugar beets. (Rus) Sakharn. Svekla 1:25-36. Jan.1966. 66.8 Su393
Caused by *Aphanomyces cochlioides*; controlled by Thiram.
- 42895 KOLK, H. New experiments with chemical treatment of seed grain. -(Sw) Svensk Frotidn. 34(6):83-86. June 15,1965. 61.8 Sv2
Includes effects of fungicides on viability and germination.
- 42896 KOMLOSSY, GY. Cancerous plant diseases. (Hu) Buvar 10(4):230-233. July/Aug.1965. 410 B98
Caused by fungi.
- 42897 KOSTIC, B. *Berberis vulgaris* L. and its role in the transmission of black rust of wheat. (Se) Biljni Lek. 10(4):5-7. 1965. 421 B49
- 42898 KOSTIC, B. Importance of rusts in the production of wheat. (Se) Biljni Lek. 10(3):9-11. 1965. 421 B49
Puccinia graminis tritici, *P. recondita tritici* and *P. glumarum*.
- 42899 LAI, P., and BRUEHL, G. W. Survival of *Cephalosporium gramineum* in naturally infested wheat straws in soil in the field and in the laboratory. Phytopathology 56(2):213-218, map. Ref. Feb.1966. 464.8 P56
- 42900 LALL, G., and GUPTA, J. N. Notes on powdery mildews from India. III. Indian Phytopathol. 18(2):210-213. 1965. 464.8 In2
- 42901 LAUT, J. G., SUTTON, B. C., and LAWRENCE, J. J. Brown spot needle blight in Canada. Plant Dis. Rep. 50(3):208. Mar.1966. 1.9 P69P
Caused by *Lecanosticta acicola* on *Pinus contorta latifolia* and *P. banksiana*.
- 42902 LAVERY, P. The relationship between seed size and the incidence of loose smut [*Ustilago nuda*] in barley. Nat. Inst. Agr. Bot. J. 10(2):247-251. 1965. 103 N21J
- 42903 LESOVSKII, A. V. Phytopathological evaluation of poplar hybrids. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:93-99. (Not in NAL)
In relation to fungus diseases.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:9. Aug.1965. Film S-203
- 42904 LIPSITS, D. V., and KADYRMATOV, I. N. Differences in the enzymatic activity of proteins of potato varieties, resistant and susceptible to canker. (Rus) Akad. Nauk SSSR. Dok. 163(1):250-253. Ref. 511 P444A
- 42905 LIVNE, A., and DALY, J. M. Translocation in healthy and rust-affected beans. Phytopathology. 56(2):170-175. Ref. Feb.1966. 464.8 P56
Translocation of carbon dioxide in beans affected by *Uromyces phaseoli typica*.
- 42906 L'VOVA, L. S. Effect of some desinfectants on epiphytic and subepidermal microorganisms of stored sorghum seeds. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:431-436. Ref. 1964. 20 M857
Treatment with fungicides.
- 42907 MACSWAN, I. C., and HORNER, C. E. Suggestions for peppermint wilt control. Oreg. State Univ. Ext. FS 93, 2 p. June 1965. 275.29 Or36
Caused by *Verticillium dahliae*.
- 42908 MADSEN, A., and THUESEN, A. Strawberry mildew fungus (*Sphaerotheca macularis*). (Da) Tidsskr. Planteavl 69(3):355-366. Ref. 1965. 11 T439
English summary.
- 42909 MAMEDOVA, SH. Wheat varieties resistant to rust. (Az) Kolkhoz.-Sovkhoz. Proizv. Azerbaidzh. 5:14. May 1965. 20 So732
- 42910 MATHUR, P. N., and SINGH, G. On the occurrence of *Botryosporium palmicolum* Speg. in India. Indian Phytopathol. 18(3):309-310. 1965. 464.8 In2
On bush red peppers.
- 42911 MATHUR, R. L., and SEHGAL, S. P. Relative efficacy of fungicides for the control of *Cladosporium variabile* causing leaf spot disease of spinach (*Spinacia oleracea*). Indian Phytopathol. 18(2):215-226. 1965. 464.8 In2
- 42912 MCDONALD, D., and HARKNESS, C. Growth of *Aspergillus flavus* and production of aflatoxin in groundnuts. VIII. Trop. Sci. 7(3):122-137. 1965. 26 T756
Nigeria.
- 42913 MCGLOHON, N. E. Bramble diseases (blackberry and dewberry). Ga. Univ. Ext. Leaflet. 41, 6 p.-folder. Oct.1965. 275.29 G29L
Anthracnose, caused by *Elsinoe veneta*; leaf spot, and fruit rot, caused by *Botrytis* fungus; includes control.
- 42914 MCGLOHON, N. E. Bunch grape diseases. Ga. Univ. Ext. Leaflet. 43, 8 p.-folder. Oct.1965. 275.29 G29L
Fungus diseases and their control.
- 42915 MILLER, J. W. Differential clones of *Hevea* for identifying races of *Dothidella ulei*. Plant Dis. Rep. 50(3):187-190. Mar.1966. 1.9 P69P
- 42916 MISRA, A. P., and SINGH, T. B. Toxicity, physical properties and biological spectrum of certain copper and organic fungicides. Indian Phytopathol. 18(2):181-190. 1965. 464.8 In2
- 42917 MISRA, D. P., AHMAD, S. T., and SINGH, S. Natural occurrence of specialised forms of *Puccinia graminis* and *P. striiformis* on *Lolium perenne*. Indian Phytopathol. 18(2):214-215. 1965. 464.8 In2
- 42918 MISRA, D. P., SINGH, S., and AHMAD, S. T. Performance of oat varieties against *Puccinia coronata avenae* and *Puccinia graminis avenae*. Indian Phytopathol. 18(3):229-232. 1965. 464.8 In2
- 42919 MRAZ, F. On the problem of mildew of wheat. (Cz) Za Vysokou Urodu 13(12):475-476. Dec.7,1965. 64.8 Z12
- 42920 MUKHERJEE, K. L., and SHAW, M. The effect of stem rust [*Puccinia graminis tritici*] on the uptake and incorporation of P^{32} by wheat seedlings. Indian Phytopathol. 18(3):250-252. 1965. 464.8 In2
- 42921 MULDER, D. Control of fruit canker. (Du) Groenten Fruit 21(15):673. Oct.20,1965. 80 G89
- 42922 MUMFORD, D. L. Factors associated with resistance in barley to spot blotch. Phytopathology 56(1):79-82. Ref. Jan.1966. 464.8 P56
- 42923 MUNJAL, R. L., and GUPTA, J. N. Anthracnose of *Celosia argentea* var. *cristata* in Delhi. Indian Phytopathol. 18(2):218-219. 1965. 464.8 In2
Colletotrichum gloeosporioides as the causal organism.
- 42924 NARASIMHAN, M. J. Study of heteroecious life-cycles of rusts in India. Indian Phytopathol. 18(2):107-115. Ref. 1965. 464.8 In2
Rust fungi.
- 42925 NATH, V. R., KULKARNI, L. G., and RAO, B. A. Preliminary biochemical observation of leaf spot disease of groundnut. Indian Phytopathol. 18(2):206-207. 1965. 464.8 In2
Quantitative build up of ascorbic acid, riboflavin and chlorophyll, at various stages of growth, as related to resistance and susceptibility of varieties.
- 42926 NECAS, J. Harmfulness of *Puccinia graminis* on winter wheat. (Cz) Za Vysokou Urodu 13(2):73-74. Feb.1,1965. 64.8 Z12
Effect on yields.

- 42927 PAG, H. The etiology of fire disease on *Hippastrum*. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:225-229. June 1965. 410.9 G31M
Caused by *Stagonospora curtisii*.
- 42928 PATIL, V. D., and SHINDE, P. A. Studies on seed-borne fungi of groundnut. Nagpur Agr. Coll. Mag. 38(4):35-41. 1964/65. 107.5 N132
- 42929 PATRASHKU, F. I. Polarographic method of determination of karathane [dinocap] in plants. (Rus) Khim. Sel'skom Khoz. 3(12):34-36. Dec. 1965. 385 K524
Residual effectiveness on apple leaves treated against powdery mildew.
- 42930 PERUANSKII, YU. V., and PERUANSKAYA, O. N. Correlation between resistance of wheat to rust and the content of some glycosides in it. (Rus) Agrobiologiya 6(156):913-915. Ref. Nov./Dec. 1965. 20 Ag822
- 42931 PHATAK, H. C., and PAYAK, M. M. Hainesia lythri on strawberry- a new record for India. Indian Phytopathol. 18(3):237-239. 1965. 464.8 In2
- 42932 PINCKARD, J. A., and STANDIFER, L. C. An apparent interaction between cotton herbicidal injury and seedling blight. Plant Dis. Rep. 50(3):172-174. Mar. 1966. 1.9 P69P
Trifluralin herbicide and PCNB fungicide soil treatments, and their effects on *Rhizoctonia* and *Fusarium* species.
- 42933 PINE WOODS of Liguria and presence of "vesicular bark rust." (It) Agr. Spezia 15(4):83-87. (Cont.) Apr. 1965. 16 Ag8229
Cronartium asclepiadeum.
- 42934 POLYAKOV, I. M., VLADIMIRSKAYA, M. E., and SHMETTSER, N. V. Comparative tests of the fungicide quality of soil fumigants. (Rus) Khim. Sel'skom Khoz. 3(12):27-30. Ref. Dec. 1965. 385 K524
- 42935 POWELL, J. M. A white spored *Peridermium* stalactiforme in Alberta. Plant Dis. Rep. 50(3):144. Mar. 1966. 1.9 P69P
Cause of rust in *Pinus contorta*.
- 42936 PURDY, L. H. Soil moisture and soil temperature, their influence on infection by the wheat flag smut fungus and control of the disease by three seed-treatment fungicides. Phytopathology 56(1):98-101. Ref. Jan. 1966. 464.8 P56
Urocystis agropyri, and hexachlorobenzene, tetrachloronitroanisole, and cyano (methyl-mercury) guanidine fungicides.
- 42937 PURDY, L. H., and ALLAN, R. E. A stripe rust race pathogenic to "Suwon 92" wheat. Plant Dis. Rep. 50(3):205-207. Mar. 1966. 1.9 P69P
Caused by *Puccinia striiformis* in Pacific Northwest.
- 42938 RAABE, R. D., and WILHELM, S. Sources of infection in Verticillium wilt of rose. Phytopathology 56(1):124-127. Ref. Jan. 1966. 464.8 P56
Verticillium albo-atrum.
- 42939 RAMACHAR, P. Taxonomy of *Puccinia penniseti*. Indian Bot. Soc. J. 44(2):218-223. Ref. 1965. 450 J821
Fungus rust of Sorghum.
- 42940 RAO, B. J., NATH, V. R., and KULKARNI, L. G. A rapid and accurate method of estimating the intensity of tikka leaf spot (*Cercospora* sp.). Indian J. Exp. Biol. 3(4):277-278. Oct. 1965. 442.8 In2
Cercospora personata and *C. arachidicola* on groundnuts.
- 42941 REDDY, M. S., SUBBAIAH, J., and APPA RAO, A. A note on the occurrence of *Cerebella volkensii* on the sugary disease of jowar. Andhra Agr. J. 12(5):185-186. 1965. 34.2 An4
- 42942 RIGGENBACH, A. Observations on root diseases of Hevea [brasiliensis] in West Africa and the [Far] East. Trop. Agr. [St. Augustine] 43(1):53-58. Ref. Jan. 1966. 26 T754
Fungus diseases, including various root rot diseases.
- 42943 RODIGIN, M. N., and TSINGER, V. I. On the controlling action of hydroquinone and 2,4-D on the agent of the crown rust of oats. (Rus) Khim. Sel'skom Khoz. 3(12):31-32. Dec. 1965. 385 K524
Residual effectiveness on *Puccinia coronifera*.
- 42944 RODRIGUEZ AMIEVA, P. J., and FRECHA, J. H. Resultados del ensayo territorial de resistencia a los principales fitoparasitos de los cereales y el lino, realizado en 1964 [Results of the territorial trial on resistance of grains and flax to the chief plant parasites, carried out in 1964]. Argent. Inst. Fitotec. Bol. Inform. 24,14 p. Mar. 1965. 9 Ar36B
Fungus diseases.
- 42945 ROTEM, J., and FELDMAN, S. The relation between the ratio of yield to foliage and the incidence of early blight in potato and tomato. Israel J. Agr. Res. 15(3):115-122. July 1965. 107 J552
Alternaria.
- 42946 SAHNI, M. L., and CHONA, B. L. Studies on sugarcane rust in India. Indian Phytopathol. 18(2):191-203. Ref. 1965. 464.8 In2
Puccinia erianthi as the causal organism.
- 42947 SARWAR, M., and SRINATH, K. W. Occurrence of *Curvularia trifolii* (Kauff.) Boed. on rhus (*Vetiveria zizanioides* Stapf.). Cur. Sci. 34(23):668. Dec. 5, 1965. 475 Sci23
- 42948 SAWAMURA, K. Studies on spotted diseases of apples. V. The classification of the fruit symptoms of *Alternaria* blotch and its pathological anatomy. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:13-24. Ref. Mar. 1965. 87 M822
English summary.
- 42949 SCHOENEWEISS, D. F. Anthracnose of Alpine currant [*Ribes alpinum*]. Plant Dis. Rep. 50(3):196-200. Mar. 1966. 1.9 P69P
Caused by *Pseudopeziza ribis* in Illinois.
- 42950 SHARMA, O. P., and JAIN, A. C. Assay of Bordeaux mixture as soil fungicide. Indian Phytopathol. 18(3):246-249. Ref. 1965. 464.8 In2
For the control of *Pythium* from wheat and *Alternaria* from *Areca* cathecua.
- 42951 SIMONS, M. D. Relationship of date of planting of oats to crown rust damage. Phytopathology 56(1):41-45. Jan. 1966. 464.8 P56
Puccinia coronata avenae.
- 42952 SIMONS, M. D. Relative tolerance of oat varieties to the crown rust fungus. Phytopathology 56(1):36-40. Jan. 1966. 464.8 P56
Puccinia coronata avenae.
- 42953 SINGH, H., and PUSHPAVATHY, K. K. Morphological and histological changes induced by *Sclerospora graminicola* (Sacc.) Schroet. in *Pennisetum typhoides* Stapf et Hubbard. Phytomorphology 15(4):338-353. Ref. Dec. 1965. 450 P566
- 42954 SLAVEKOORDE, S. M. Gall disease of *Rhododendron laetevirens*. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:91-92. 1965. 86 B65
Caused by *Exobasidium rhododendri*.
- 42955 SMITH, A. M. *Ophiobolus herpotrichus*, a cause of spring dead spot in couch [*Cynodon dactylon*] turf. Agr. Gaz. New S. Wales 76(12):753-758. Ref. Dec. 1965. 23 N472
- 42956 SMITH, N. A., SCHEFFER, R. P., and ELLINGBOE, A. H. *Cephalosporium* stripe of wheat prevalent in Michigan. Plant Dis. Rep. 50(3):190-191. Mar. 1966. 1.9 P69P
Caused by *Cephalosporium gramineum*.
- 42957 SMITH, R. S., BEGA, R. V., and TARRY, J. Additional hosts of *Fomes annosus* in California. Plant Dis. Rep. 50(3):181. Mar. 1966. 1.9 P69P
- 42958 SNEH, B., and others. Methods for evaluating inoculum density of *Rhizoctonia* in naturally infested soil. Phytopathology 56(1):74-78. Ref. Jan. 1966. 464.8 P56
J. Katan, Y. Henis, and I. Wahl, joint authors. Field crops.

- 42959 SOBERS, E. K., and MARTINEZ, A. P. A leaf spot of Bougainvillea caused by *Cercospora bougainvilleae*. *Phytopathology* 56(1):128-130. Jan.1966. 464.8 P56
- 42960 SULAIMAN, M., and AGASHE, N. G. Influence of climate on the incidence of Tikka disease of groundnut. *Indian Oilseeds J.* 9(3):176-179. July/Sept.1965. 307.8 In22
Leaf spot caused by *Cercospora personata* and *Cercospora arachnidicola*.
- 42961 SUMINA, I., YAMAGUCHI, H., and KITAMURA, Y. Studies on agricultural fungicides. II.-III. (Ja) Takeda Chem. Indus. Res. Lab. Annu. Rep. 24:250-265. Ref. Nov.1965. 396.8 T13
Pyridazine and thiazole.
- 42962 SURYANARAYANA, D., and PAL, M. A new *Phyllosticta* species on sorghum in India. *Indian Phytopathol.* 18(3):314-315. 1965. 464.8 In2
Phyllosticta sorghiphila.
- 42963 TACHIBANA, H., and DURAN, R. Comparative survival of teliospores and mycelia of the onion smut fungus in soil. *Phytopathology* 56(1):136-137. Jan.1966. 464.8 P56
Caused by *Urocystis colchici*.
- 42964 TAKAHASHI, M., OUCHI, A., and ALICBUSAN, R. V. Ecologic and taxonomic studies on *Pythium* as pathogenic soil fungi. VI. Some species of *Pythium* causing rhizome rot of Hindu lotus [*Nelumbo nuciferum*]. *Phytopath. Soc. Japan. Ann.* 30(4):186-191. Ref. Sept.1965. 464.9 P562
- 42965 TAKAYA, S. Inoculation experiments of white root rot fungus (*Rosellinia necatrix* (Hart.) Berl.) to the tea plant and some considerations on the ecology of the fungus. (Ja) *Jap. Tea Res. Sta. Stud. Tea* 31:38-53. Ref. Nov.1965. 68.18 Ok3
English summary.
- 42966 TAKEGAMI, S. Studies on resistance of wheat varieties to scab (*Gibberella zeae* (Schw.) Petch.). 1. The method of inoculation to leaf blade. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(2):159-162. Dec.1965. 22.5 C88
English summary.
- 42967 TANDON, I. N. Collar-rot of loquat by *Sclerotium* sp. and its control. *Indian Phytopathol.* 18(3):240-245. 1965. 464.8 In2
- 42968 TENERINI, I. Research on the biology and epidemiology of *Spilocaea oleaginea* (Cast.) Hug., agent of peacock's eye of olive. (It) *Milan. Ist. Ric. Agr. Contrib.* 7:11-20. Ref. 1964, pub. 1965. 16 M583
English summary.
- 42969 THOMPSON, S. S. Southern stem rot and sore shin of flue cured tobacco. *Ga. Univ. Ext. Leaflet* 37,6 p.-folder. Oct.1965. 275.29 G29L
Caused by *Sclerotium rolfsii* and *Rhizoctonia solani*, respectively.
- 42970 TISHCHENKO, E. I. Control infection sources of *Peronospora*. (Rus) *Sakharn. Svekla* 1:37-38. Jan.1966. 66.8 Su393
Sugar beets.
- 42971 TOOLE, E. R. Stem canker of red oaks caused by *Fusarium solani*. *Plant Dis. Rep.* 50(3):160-161. Mar.1966. 1.9 P69P
Mississippi.
- 42972 TOUTAIN, G. Note on the epidemiology of bayoud disease in North Africa. (Fr) *Awamia* 15:37-45, map. Apr.1965. 24 Aw1
English summary.
Date palm disease caused by *Fusarium oxysporum albedinis*.
- 42973 TSENG, T. C., LI, I. H., and WU, L. C. Sporulation by physiologic races of *Pyricularia oryzae* Cav. *Acad. Sinica. Inst. Bot. Bot. Bull. N. S.* 6(2):182-188. Ref. July 1965. 451 Ac1B
Fungus pathogenic to rice.
- 42974 TSILYURIK, A. V. Some data on heart rot of various forms of aspen. (Rus) *Lesovodstvo i Agrolesomeliatoratsiya* 2:128-131. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:9-10. Aug.1965.
Film S-203
- 42975 TÛTUNARU, V. Study of the intensity of transpiration of *Ulmus foliacea* Glib. infested with *Ophiostoma ulmi* (Schw.) Nannf. (Rum) *Rev. Padurilor* 80(7):365-367. July 1965. 99.8 R327
English summary.
- 42976 UJEVIC, I. Some dangerous fungus diseases of alfalfa. (Cz) *Za Vysokou Urodu* 13(6):235-236. May 4, 1965. 64.8 Z12
Includes control.
- 42977 VAN DER WATT, J. J. Survival of *Ophiobolus graminis* Sacc. in soils of the winter rainfall region of the Cape. *Repub. S. Afr. Dep. Agr. Tech. Serv. Sci. Bull.* 374,49 p. Ref. 1965. 24 So84S
Take-all disease in grain district.
Thesis—University of Stellenbosch.
- 42978 VASIL'EVA, L. I., and MITROFANOVA, O. V. Use of new fungicides against pear rust. (Rus) *Khim. Sel'skom Khoz.* 3(10):42-43. Ref. Oct. 1965. 385 K524
Caused by *Gymnosporangium sabinae*.
- 42979 VEDERNIKOV, N. M. New fungicides for control of snow blight in forest nurseries. (Rus) *Les. Khoz.* 9:56-57. Sept.1965. 99.8 L5622
Caused by *Phacidium infestans*.
- 42980 WELTZIEN, H. C. The real mildew of sugar beet. (Ge) *Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt.* 115:188-191. Ref. June 1965. 410.9 G31M
Includes discussion.
- 42981 WENNERSTROM, S. Potato cancer threatens potato growing. (Sw) *Varmlands Lans Hushallningssallsk. Arsberat.* 1964:143-145. 1965. 11 V43
- 42982 WESTER, R. E., GOTH, R. W., and DRECHSLER, C. Overwintering of *Phytophthora phaseoli*. *Phytopathology* 56(1):95-97. Jan.1966. 464.8 P56
Cause of downy mildew in lima beans.
- 42983 WIBERG, H. Treatment with Voronit. (Sw) *Svensk Frotidn.* 34(6):87-88. June 15, 1965. 61.8 Sv2
Its effectiveness as a fungicide and its effect on the viability and germination of seed grain.
- 42984 WILLIAMS, E., and JOHNSTON, C. O. Effect of certain temperatures on identification of physiologic races of *Puccinia recondita tritici*. *Phytopathology* 55(12):1317-1319. Dec.1965. 464.8 P56
Includes breeding for resistance to leaf rust in wheat.
- 42985 WILLIAMS, G. H., and WESTERN, J. H. The biology of *Sclerotinia trifoliorum* Erikss. and other species of sclerotium-forming fungi. I-II. *Ann. Appl. Biol.* 56(2):253-268. Ref. Oct. 1965. 442.8 An72
Plant pathogenic *Sclerotium* and *Sclerotinia* spp.
- 42986 WILLS, W. H. Exploratory investigation of the ecology of black shank disease of tobacco. *Va. Agr. Exp. Sta. Tech. Bull.* 181,20 p. Ref. July 1965. 100 V81S
Caused by *Phytophthora parasitica nicotianae*.
- 42987 WILSON, E. E. Development of European canker in a California apple district. *Plant Dis. Rep.* 50(3):182-186. Mar.1966. 1.9 P69P
Nectria galligena.
- 42988 WOOD, F. A., and SCHMIDT, R. A. A spore trap for studying spore release from basidiocarps. *Phytopathology* 56(1):50-52. Ref. Jan. 1966. 464.8 P56

- 42989 WU, L. C. Physiology of parasitism. 1. Growth, pathogenicity, and toxin production of *Rhizoctonia solani* Kuehn. Acad. Sinica. Inst. Bot. Bot. Bull. N. S. 6(2):144-152. Ref. July 1965. 451 Ac1B
Pathogenic to mung beans.
- 42990 YADAV, A. S., and YADAV, S. C. Nuclear condition in the aecidium of *Puccinia cacao* McAlp. Indian Bot. Soc. J. 44(2):163-166. 1965. 450 J821
Rust fungus having as host *Hygrophila spinosa* and *Hemarthia compressa*.
- 42991 YARWOOD, C. E. Selective hygrosopicity of diseased leaves. *Phytopathology* 55(12):1373-1374. Dec.1965. 464.8 P56
Fungus and virus diseases.
- 42992 ZENTMYER, G. A., and others. Progress on chemical control of *Phytophthora [cinnamomi]* root rot. Calif. Avocado Soc. Yearbook 48:86-89. 1964, pub. 1965. 81 C128
S. Hashimoto, J. D. Gilpatrick, and R. M. Burns, joint authors.
Using Dexon.

Diseases Caused by Bacteria

- 42993 BOPP, M. Inhibiting growth of *Agrobacterium tumefaciens* with D-amino acids. (Ge) Z. Naturforsch. 20b(9):899-905. Ref. Sept.1965. 474 Z3
English summary.
Plant tumor-inducing bacteria.
- 42994 EPSTEIN, A. H. Angular leaf spot of strawberry. *Plant Dis. Rep.* 50(3):167. Mar.1966. 1.9 P69P
Caused by *Xanthomonas fragariae* in Wisconsin.
- 42995 KALANDRA, A., and UROSEVIC, B. A new disease of poplars. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotechn. Inform. Les. Cas. 38(6):541-548. June 1965. 99.9 C334
English summary.
Probably bacterial wilt.
- 42996 LANG, J., and BAKER, R. Influence of compounds with antitumor activity on crown gall. *Phytopathology* 56(1):131-133. Ref. Jan.1966. 464.8 P56
Carrots infected with *Agrobacterium tumefaciens*.
- 42997 NELSON, P. E., and DICKEY, R. S. *Pseudomonas caryophylli* in carnation. II. Histological studies of infected plants. *Phytopathology* 56(2):154-163. Ref. Feb.1966. 464.8 P56
- 42998 PATEL, M. K., SRINIVASAN, M. C., and THIRUMALACHAR, M. J. Evaluation of host specificity character in the differentiation of *Xanthomonas* species. *Indian Phytopathol.* 18(2):174-180. Ref. 1965. 464.8 In2
Plant varieties as hosts.
- 42999 RAO, Y. P., and MATHUR, V. K. Some important observations on the staining of bacterial flagella with modified Bailey's method. *Indian Phytopathol.* 18(2):208-209. 1965. 464.8 In2
Plant pathogens.
- 43000 SCHNATHORST, W. C. Eradication of *Xanthomonas malvacearum* from California through sanitation. *Plant Dis. Rep.* 50(3):168-171. Mar.1966. 1.9 P69P
Cause of angular leaf spot, a bacterial disease of cotton.
- 43001 SCHROTH, M. N., FORD, E. J., and HILDEBRAND, D. C. Localization of arbutin in *Pyrus* by means of alkaline para-phenylenediamine. *Stain Technol.* 40(5):245-248. Sept.1965. 442.8 St1
Related to resistance of pears to fire-blight pathogen, *Erwinia amylovora*.
- 43002 STARK, C. Leafy galls on Lorraine begonias. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:223-225. June 1965. 410.9 G31M
Caused by *Corynebacterium fascians*.
Includes discussion.

- 43003 WILLIAMS, P. H., and KEEN, N. T. Bacterial [leaf] blight of radish. *Plant Dis. Rep.* 50(3):192-195. Mar.1966. 1.9 P69P
Caused by *Pseudomonas maculicola* in Wisconsin.
- 43004 ZINCA, H., and SAVIN, G. Control of bacterial canker of grapes. (Rum) *Gradina, Via Livada* 14(6):74-80. Ref. July 1965. 80 G75

Viruses and Virus Diseases

- 43005 ALLEN, R. M., and CARPENTER, J. B. Arizona's cooperative citrus registration-certification program. *Plant Dis. Rep.* 50(3):145-149. Ref. Mar.1966. 1.9 P69P
For virus disease control.
- 43006 ANAND, G. P. S., and SAHAMBI, H. S. Serological relationship of sunn hemp mosaic virus with some other mosaic viruses commonly occurring in Delhi. *Indian Phytopathol.* 18(2):204-205. 1965. 464.8 In2
- 43007 ANDERER, F. A., and SCHLUMBERGER, H. D. Cross-reactions of antisera against the terminal amino acid and dipeptide of tobacco mosaic virus. *Biochim. Biophys. Acta* 115(1):222-224. Jan.25,1966. 381 B522
- 43008 BABOS, P. The ribonucleic acid content of tobacco leaves infected with tobacco mosaic virus. *Virology* 28(2):282-289. Ref. Feb.1966. 448.8 V81
- 43009 BATTU, A. N., and PHATAK, H. C. Observations on a mosaic disease of sunflower. *Indian Phytopathol.* 18(3):317. 1965. 464.8 In2
- 43010 BAUMANN, G. Additional studies on the sarca virus disease of plum. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:136-140. June 1965. 410.9 G31M
- 43011 BEST, R. J. Interactions between plant viruses in their host: antagonism between strains of plant viruses. *Enzymologia* 29(6):377-389. Ref. Dec.31,1965. 390.08 En9
- 43012 BÖYARSKII, B. G. Methods in lyophilization of phytopathogenic viruses and antiviral diagnostic serums. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:441-446. 1964. 20 M857
- 43013 BRANTS, D. H. Relation between ectodesmata and infection of leaves by C¹⁴-labeled tobacco mosaic virus. *Virology* 26(4):554-557. Ref. Aug.1965. 448.8 V81
Leaves of tobacco and *Datura stramonium*.
- 43014 BRCAK, J. Possibilities of the preventive control of virus diseases of vegetables. (Cz) *Ovocnarstvi Zelinarstvi* 13(7):189-190. 1965. 80 Ov64
- 43015 CHIN, H. T. A preliminary survey of tobacco mosaic viruses in Taiwan. (Ch) Agr. Ass. China. J. (n.s.) 51:61-64. Sept.1965. 22.5 Ag862
English summary.
- 43016 DISKIN, S., and MONSELI, S. P. Some fruit characteristics of "shamouti" oranges as affected by stubborn disease. *Phytopathol. Mediter.* 4(1):21-24. Ref. May 1965. 464.8 P565
Probably a virus disease.
- 43017 FLEMION, F., BEARDOW, J., and MEE, H. A virus in physiologically dwarfed peach seedlings; a preliminary report. *Boyce Thompson Inst. Contrib.* 23(4):135-138. Ref. Oct./Dec. 1965. 451 B69
- 43018 FRIST, R. H., and others. The protein subunit of cucumber virus 4; degradation of viruses by succinylation. *Virology* 26(4):558-566. Ref. Aug.1965. 448.8 V81
I. J. Bendet, K. M. Smith, and M. A. Lauffer, joint authors.
- 43019 GALVEZ, G. E. Specific adsorption of plant viruses by antibodies coupled to a solid matrix. *Virology* 28(2):171-187. Ref. Feb.1966. 448.8 V81

- 43020 GEROLA, F. M., BASSI, M., and BETTO, E. Some observations on the shape and localization of different viruses in experimentally infected plants, and on the fine structure of the host cells. I. Arabis mosaic virus in *Chenopodium amaranticolor*. *Caryologia* 18(2):353-375. Ref. Apr./June 1965. 442.8 C25
- 43021 GILL, C. C. Suppression of virus lesions by rust infection. *Virology* 26(4):590-595. Ref. Aug.1965. 448.8 V81
Tobacco mosaic in beans.
- 43022 HAMILTON, W. D. Viruses: north coast. *Wines Vines* 47(2):29-30. Feb.1966. 95.8 C122
Of grapes; includes identification and control.
- 43023 HANSEN, A. J., and HILDEBRANDT, A. C. The distribution of tobacco mosaic virus in plant callus cultures. *Virology* 28(1):15-21. Ref. Jan.1966. 448.8 V81
Tobacco and *Nicotiana glutinosa*.
- 43024 HOOFF, H. A. VAN, and SEINHORST, J. W. Soil-borne viruses found in the Boskoop Tree-nursery Centre. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(5):256-257. May 1965. 86 N384
English summary, p.289-290.
On *Ligustrum*.
- 43025 JEDLINSKI, H., and BROWN, C. M. Cross protection and mutual exclusion by three strains of barley yellow dwarf virus in *Avena sativa* L. *Virology* 26(4):613-621. Ref. Aug. 1965. 448.8 V81
- 43026 KASSANIS, B., and MACFARLANE, I. Interaction of virus strain, fungus isolate, [*Oidium brassicae*] and host species in the transmission of tobacco necrosis virus. *Virology* 26(4):603-612. Ref. Aug.1965. 448.8 V81
In various host plants.
- 43027 KEGLER, H. Latent stone fruit viruses. (Ge) *Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:129-136. June 1965. 410.9 G31M
- 43028 KUBO, S. Chromatographic studies of RNA synthesis in tobacco leaf tissues infected with tobacco mosaic virus. *Virology* 28(2):229-235. Ref. Feb.1966. 448.8 V81
- 43029 LISTER, R. M. Possible relationships of virus-specific products of tobacco rattle virus infections. *Virology* 28(2):350-353. Feb.1966. 448.8 V81
- 43030 MARBROOK, J., and MATTHEWS, R. E. F. The differential immunogenicity of plant viral protein and nucleoproteins. *Virology* 28(2):219-228. Ref. Feb.1966. 448.8 V81
Turnip yellow mosaic virus.
- 43031 MATSUI, C., HIBINO, H., and HAYASHI, T. Electron microscopy of host cells infected with tobacco etch virus. III. *Virology* 28(2):214-218. Feb.1966. 448.8 V81
In *Datura stramonium*.
- 43032 MATTHEWS, R. E. F., and HARDIE, J. D. Reconstitution of RNA from spherical viruses with tobacco mosaic virus protein. *Virology* 28(1):165-168. Jan.1966. 448.8 V81
- 43033 MCLEAN, D. M. Symptoms of tobacco ring-spot virus infections on periwinkle, *Vinca rosea* L. *Rio Grande Val. Hort. Soc. J.* 19:98-100. 1965. 81 L95
- 43034 MILNE, R. G. Multiplication of tobacco mosaic virus in tobacco leaf palisade cells. *Virology* 28(1):79-89. Ref. Jan.1966. 448.8 V81
- 43035 MINK, G. I. Inactivation of Tulare apple mosaic virus by o-quinones. *Virology* 26(4):700-707. Ref. Aug.1965. 448.8 V81
Tested on bean leaves.
- 43036 MITRA, D. K., and NARIANI, T. K. A mosaic disease of tori (*Luffa acutangula*). *Indian Phytopathol.* 18(3):233-236. 1965. 464.8 In2
- 43037 MURANT, A. F. The morphology of cucumber mosaic virus. *Virology* 26(4):538-544. Ref. Aug.1965. 448.8 V81
- 43038 NAGAICH, B. B., and VASHISTH, K. S. Additional viral diseases of temperate fruits in Simla Hills. *Indian Phytopathol.* 18(3):288-290. 1965. 464.8 In2
Little leaf and leaf pucker on apple, tatter leaf on cherry, and yellow vein on almond.
- 43039 NAGAICH, B. B. Classification of a virus isolated from tomato atypical mosaic in Illinois. *Indian J. Exp. Biol.* 3(4):223-226. Ref. Oct. 1965. 442.8 In2
- 43040 NARIANI, T. K., SAHAMBI, H. S., and CHONA, B. L. Occurrence of Tristeza virus in citrus in northern India. *Indian Phytopathol.* 18(2):220. 1965. 464.8 In2
- 43041 NAZAROVA, A. I. Susceptibility of industrial tobacco varieties to virus diseases. (Rus) *Tabak* 4:26-27. 1965. 69.8 T112
- 43042 PALIWAL, Y. C., and RAYCHAUDHURI, S. P. Intracellular inclusions associated with maize mosaic virus infection. *Experientia* 21(12):695. Dec.15,1965. 475 Ex7
India.
- 43043 PILLAI, N. G., and SHANTA, P. Free amino-acids in coconut palms affected by root (wilt) disease. *Cur. Sci.* 34(22):636-637. Nov.20, 1965. 475 Sci23
Caused by a virus.
- 43044 POLAK, Z. The mechanical transmission and some properties of a virus disease of cow-parsnip, *Heracleum sphondylium* L. *Biol. Plant.* 8(1):73-79. Ref. 1966. 450 B52
- 43045 RANGLES, J. W., and FRANCKI, R. I. B. Some properties of a tobacco ringspot virus isolate from South Australia. *Australian J. Biol. Sci.* 18(5):979-986. Ref. Oct.1965. 442.8 Au72
Isolated from *Gladiolus* sp.
- 43046 RAO, D. G., VARMA, P. M., and CAPOOR, S. P. Studies of mosaic disease of Eleusine in the Deccan. *Indian Phytopathol.* 18(2):139-150. Ref.,p.148-150. 1965. 464.8 In2
- 43047 RASKI, D. J., and others. Survival of Xiphinema index and reservoirs of fanleaf virus in fallowed vineyard soil. *Nematologica* 11(3):349-352. 1965. 436.8 N342
W. B. Hewitt, A. C. Goheen, C. E. Taylor, and R. H. Taylor, joint authors.
- 43048 REES, M. W., and SHORT, M. N. Variations in the composition of two strains of tobacco mosaic virus in relation to their host. *Virology* 26(4):596-602. Ref. Aug.1965. 448.8 V81
Tobacco and beans.
- 43049 SAWAMURA, K. Studies on apple virus diseases. I. On mosaic, kikei-ka, and sabi-ka diseases. (Ja) *Morioka. Hort. Res. Sta. Bull. Ser. C*, 3:25-33. Ref. Mar.1965. 87 M822
English summary.
- 43050 SCALLA, R., and MARTIN, R. Effect of phosphate on the formation of local lesions caused by tobacco mosaic virus in a hypersensitive host. (Fr) *Acad. Sci. Compt. Rend.* 261(4):1071-1073. July 26,1965. 505 P21
In *Nicotiana xanthi*.
- 43051 SELA, I., HARPAZ, I., and BIRK, Y. Identification of the active component of an antiviral factor isolated from virus-infected plants. *Virology* 28(1):71-78. Ref. Jan.1966. 448.8 V81
Nicotiana glutinosa infected with tobacco mosaic virus.
- 43052 SHIGEMATSU, A., MIZUSAWA, Y., and HIRAI, T. Incorporation of two radioactive amino acids into the nucleic acid fractions in tobacco leaves infected with tobacco mosaic virus. *Virology* 28(2):331-338. Ref. Feb.1966. 448.8 V81
- 43053 SMOLAK, J. Plants virus diseases. (Cz) *Ovocnarnstvi Zelinarstvi* 13(6):158-159. 1965. 80 Ov64
Includes control.

- 43054 SU, H. C., and HUANG, C. H. Intracellular inclusion bodies in the rice plants affected with transitory yellowing. *Acad. Sinica, Inst. Bot. Bot. Bull. N. S.* 6(2):170-181. Ref. July 1965. 451 Ac1B
Virus disease.
- 43055 TANIGUCHI, T. Effect of salts on the adsorption of tobacco mosaic virus to tobacco leaf cell debris. *Virology* 28(1):131-134. Jan. 1966. 448.8 V81
- 43056 THRAIKILL, B. G. Maize dwarf mosaic research updated. *Down Earth* 21(1/2):2,23-24. Summer/Fall 1965. 381 D75
- 43057 USCHDRAWAIT, H. A. Assortments [of ornamental plants] and virus diseases. (Ge) Berlin. *Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:221-223. June 1965. 410.9 G31M
- 43058 VASHISTH, K. S., and NAGAICH, B. B. A mosaic disease of runner bean. *Indian Phytopathol.* 18(3):311. 1965. 464.8 In2
- 43059 WEBB, R. E. Luffa acutangula for separation and maintenance of watermelon mosaic virus 1 free of watermelon mosaic virus 2. *Phytopathology* 55(12):1379-1380. Dec. 1965. 464.8 P56
Disease resistance of cucurbits.
- 43060 WEINTRAUB, M., and RAGETLI, H. W. J. Fine structure of inclusions and organelles in *Vicia faba* infected with bean yellow mosaic virus. *Virology* 28(2):290-302. Ref. Feb. 1966. 448.8 V81
- 43061 WOMACK, F. C. Electron microscopic examination of wild cucumber mosaic virus in negatively stained crude preparations. *Virology* 26(4):756-761. Ref. Aug. 1965. 448.8 V81
- Diseases Caused by Nematodes**
- 43062 ASAI, K., and OZAKI, K. Studies on the rotation systems. 6. Changes in population density of soybean cyst nematode under different cropping systems. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 87:66-73. Ref. Dec. 1965. 107.6 H68
English summary.
- 43063 BIRCHFIELD, W., REYNOLDS, H., and ORR, C. Plant-parasitic nematodes of cotton in the lower Rio Grande Valley of Texas. *Plant Dis. Rep.* 50(3):149-150. Mar. 1966. 1.9 P69P
- 43064 BROWN, K. F., and DUNN, C. L. The uptake of carbon-14 labelled ethylene dibromide nematicide by *Ditylenchus dipsaci* Kuhn. *Nematologica* 11(3):353-360. Ref. 1965. 436.8 N342
Isolated from oat.
- 43065 CHEKALINA, V. I. Chemical preparations for control of nematodes. (Rus) *Khim. Sel'skom Khoz.* 3(11):36-40. Ref. Nov. 1965. 385 K524
Field crops.
- 43066 CHIDAMBARANATHAN, A., and RANGASWAMI, G. Studies on the pathogenicity and host range of three species of root-knot nematodes. *Indian Phytopathol.* 18(2):168-173. Ref. 1965. 464.8 In2
Identification of *Meloidogyne arenaria* on eggplant, *M. incognita* on chilli redpeppers and *M. javanica* on tomatoes; also the effect of the larvae on seedlings of the host plants.
- 43067 DAULTON, R. A. C. Effects of soil fumigants on tobacco in Southern Rhodesia. *Down Earth* 20(4):2,29-32. Ref. Spring 1965. 381 D75
Control of *Meloidogyne javanica*.
- 43068 DURANTE DE VILLANUEVA, M. E. Control of nematodes in tomatoes. (Sp) *Escuela Farm.* 25(318/320):1-9. Ref. Oct./Dec. 1964. 396.8 Es1
Guatemala.
- 43069 FISHER, A. E. Nematode fumigation lifts pineapple yield. *Queensland Agr. J.* 91(12):712-714. Dec. 1965. 23 Q33
- 43070 FRANDSEN, K. J. Observations on the attack by populations of *Ditylenchus dipsaci* on strains of red clover. *Suomen Maataloustieteellinen Seura. Julkaisu* 107:18-29, map. Ref. 1965. 20 Su7
- 43071 GOLDEN, A. M., and CONVERSE, R. Nematodes on raspberries in the Eastern United States. *Plant Dis. Rep.* 49(12):987-991. Ref. Dec. 1965. 1.9 P69P
- 43072 GRUJICIC, G. Frequent occurrence of the parasitic nematode *Aphelenchoides ritzemabosi* (Schwartz) Steiner on flowers in Yugoslavia. (Se) *Biljni Lek.* 10(4):15. 1965. 421 B49
- 43073 GRUJICIC, G. New parasitic nematodes of wheat in Yugoslavia. (Se) *Biljni Lek.* 10(4):7-10. 1965. 421 B49
Heterodera avenae and *Pratylenchus pratensis*.
- 43074 HODGES, C. F., and TAYLOR, D. P. Host-parasite interactions of a root knot nematode and creeping bentgrass, *Agrostis palustris*. *Phytopathology* 56(1):88-91. Ref. Jan. 1966. 464.8 P56
Meloidogyne.
- 43075 ISHIBASHI, N. The increase in male adults by gamma-ray irradiation in the root-knot nematode, *Meloidogyne incognita* Chitwood. *Nematologica* 11(3):361-369. Ref. 1965. 436.8 N342
Isolated from sweetpotato.
- 43076 KOEN, H. Root-knot nematodes [*Meloidogyne*] and lucerne. *Farming S. Afr.* 41(9):13,15. Dec. 1965. 24 So842
- 43077 LATTA, R. Attempts to relate nematodes to lethal yellowing disease of coconut palms in Jamaica. *Trop. Agr. [St. Augustine]* 43(1):59-68. Ref. Jan. 1966. 26 T754
Vector of virus.
- 43078 LEMBRIGHT, H. W. Use of Fumazone nematicide in the production of fruit and nut crops in Western areas. *Down Earth* 21(1/2):3-7. Summer/Fall 1965. 381 D75
Applied in irrigation water for citrus.
- 43079 LOCHER, F. Contribution to the method of soil analysis for beet top eelworm, *Ditylenchus dipsaci* Kuhn. (Ge) Berlin. *Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:193-196. June 1965. 410.9 G31M
- 43080 LOWNSBERY, B. F., and MITCHELL, J. T. Some effects of chemical amendments and cultural conditions on population levels of *Xiphinema americanum*. *Plant Dis. Rep.* 49(12):994-998. Ref. Dec. 1965. 1.9 P69P
Effects of fertilizers and insecticides; alfalfa as host plant.
- 43081 MCGLOHON, N. E. Nematode control in peach orchards. *Ga. Univ. Ext. Leaflet* 39,8 p.-folder. Oct. 1965. 275.29 G29L
Cause of root knot.
- 43082 MINTON, N. A., DONNELLY, E. D., and SHEPHERD, R. L. Reaction of *Vicia* species and F5 hybrids from *V. sativa* X *V. angustifolia* to five root knot nematode species. *Phytopathology* 56(1):102-107. Ref. Jan. 1966. 464.8 P56
Meloidogyne spp.
- 43083 MORIARTY, F. The development of the beet eelworm *Heterodera schachtii* Schm. in monoxenic culture. *Parasitology* 55(4):719-722. Nov. 1965. 448.8 P21
- 43084 OKADA, T. Studies on the parasitic distribution of nematodes. I. Population density of soybean cyst nematodes in soil and its influence on the distribution of the parasites and root development of soybeans. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 87:74-86. Ref. Dec. 1965. 107.6 H68
English summary.

- 43085 OKADA, T. Studies on the parasitic distribution of nematodes. 2. The growth of soybean roots and the parasitic distribution of soybean cyst nematodes. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 88:28-37. Dec.1965. 107.6 H68 English summary.
- 43086 PETROVA, Z. I. Study of some fertilizers and chemical preparations against stem nematode [*Ditylenchus allii* B.] on onions. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:463-465. 1964. 20 M857
- 43087 RAINISS, L. Meloidogyne damages in our greenhouses. (Hu) Kerteszeti Szolozs. 15(2): 21-22. Jan.1966. 80 K474
- 43088 SPRINGER, J. K. Nematodes associated with plants in cultivated woody plant nurseries and uncultivated woodland areas in New Jersey. N. J. Dep. Agr. Circ. 429,40 p. Ref. Feb.1964. 2 N46C
- 43089 STURHAN, D. Biological races in *Ditylenchus dipsaci* with special regard to beet top eelworm. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:191-193. June 1965. 410.9 G31M
- 43090 SUDAKOVA, I. M. Nematodes and *Verticillium* wilt of cotton. (Rus) Khlopkovodstvo 7:52-53. July 1965. 72.8 K522
- 43091 WAGENINGEN. INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Aardappelrassen met resistentie tegen aardappelmoehheid (A.M.-Rassen) [Potato varieties resistant to nematodes (A.M.-varieties)], 1966. Wageningen. Inst. Rassenonderzoek Landbouwgewassen. Ber. Rassenkeuze 383, 6 p. Dec.1965. 64.9 W12
Heterodera rostochiensis.
- ECOLOGY
- 43092 ANDERSON, D. J. Classification and ordination in vegetation science: controversy over a non-existent problem? J. Ecol. 53(2):521-526. Ref. July 1965. 450 J829
Plant communities.
- 43093 ARNEMO, R., and NAUWERCK, A. Limnological studies in Hyttodammen. 2. Phytoplankton and its production. Sweden. Fish. Board. Inst. Freshwater Res. Rep. 46:141-163, map. Ref. 1965. 414.9 Sw3
- 43094 BARCSAK, Z. The coenological composition and fodder value of natural meadows as affected by chemical weed control and mineral fertilizers. (Hu) Novenytermeles 14(4):311-320. Ref. Dec.1965. 64.8 N76
English summary.
- 43095 BROCK, T. D., and BROCK, M. L. Autoradiography as a tool in microbial ecology. Nature [London] 209(5024):734-736. Feb.12,1966. 472 N21
In algal research.
- 43096 CHAPMAN, S. B. The ecology of Coom Rigg Moss, Northumberland. J. Ecol. 53(2):371-384, map. Ref. July 1965. 450 J829
- 43097 CONNOR, H. E. Tussock grasslands in the middle Rakaia Valley, Canterbury, New Zealand. New Zeal. J. Bot. 3(4):261-276, map. Ref. Dec.1965. 450 N48
Ecology; includes varieties.
- 43098 DEMOÛNEM, R. Relations between the soils, the floral composition of moor in Gironde and the growth of the maritime pine. (Fr) Acad. Sci. Compt. Rend. 261(13):2513-2516. Sept.27, 1965. 505 P21
- 43099 DOING, H. Some notes on the concept "chief formation." (Du) Gorteria 3(1):5-11. Ref. Jan.1,1966. 450 G68
English summary.
Plant ecology.
- 43100 DUTHIE, H. C. Some observations on the algae of Llyn Ogwen, North Wales. J. Ecol. 53(2): 361-370, map. Ref. July 1965. 450 J829
- 43101 DUTHIE, H. C. A study of the distribution and periodicity of some algae in a bog pool. J. Ecol. 53(2):343-359. Ref. July 1965. 450 J829
- 43102 ECOLOGICAL SOCIETY OF AMERICA. Annual meeting with AIBS [American Institute of Biological Sciences] at the University of Illinois, August 15-20, 1965. Ecol. Soc. Amer. Bull. 46 (3):83-139. Ref. Sept.1965. 410.9 Ec7
Abstracts of papers.
- 43103 FINA, A. L. DE, GIANNETTO, F., and SABELLA, L. J. Difusion geografica de cultivos indices en las Provincias de Neuquen y Rio Negro y sus causas [Geographic diffusion of index crops in the Provinces of Neuquen and Rio Negro and its causes]. Argentina. Inst. Suelos Agrotec. Publ. 96,36 p., map. 1965. 56.9 Ar3
English summary.
Economic plants.
- 43104 GITTINS, R. Multivariate approaches to a limestone grassland community. I. A stand ordination. J. Ecol. 53(2):385-401. Ref. July 1965. 450 J829
Statistical methods.
- 43105 GITTINS, R. Multivariate approaches to a limestone grassland community. II. A direct species ordination. J. Ecol. 53(2):403-409. Ref. July 1965. 450 J829
Statistical methods; includes sampling.
- 43106 GITTINS, R. Multivariate approaches to a limestone grassland community. III. A comparative study of ordination and association-analysis. J. Ecol. 53(2):411-425. Ref. July 1965. 450 J829
- 43107 GREENALL, A. F. Burning of mid-altitude snow tussock associations—northern central Otago. Soil Water 2(2):20-24. Dec.1965. 56.8 So323
Effects on botanical composition.
- 43108 GREIG-SMITH, P., and CHADWICK, M. J. Data on pattern within plant communities. III. Acacia-Capparis semi-desert scrub in the Sudan. J. Ecol. 53(2):465-474. Ref. July 1965. 450 J829
- 43109 HEISER, C. B. Sunflowers, weeds, and cultivated plants. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.391-401. Ref. 1965. QH371.I5
Ecology.
Includes discussion.
- 43110 HOLGATE, P. Some new tests of randomness. J. Ecol. 53(2):261-266. Ref. July 1965. 450 J829
In plant distributions.
- 43111 HORTOBAGYI, T. Aquatic plants and their environment. (Hu) Buvar 10(3):137-141. May/June 1965. 410 B98
- 43112 HORTOBAGYI, T. Lagerheimia convergencies in the fishponds of Buzsak. Acta Biol. 16(4): 327-339. 1966. 475 Ac85
- 43113 HÜLL, A. C., and KLUMP, G. J. Longevity of crested wheatgrass [*Agropyron desertorum*] in the sagebrush-grass type in southern Idaho. J. Range Manage. 19(1):5-11, map. Ref. Jan. 1966. 60.18 J82
- 43114 HYDER, D. N., and others. Vegetation-soils and vegetation-grazing relations from frequency data. J. Range Manage. 19(1):11-17. Ref. Jan.1966. 60.18 J82
R. E. Bement, E. E. Remmenga, and C. Terwilliger, joint authors.
In Colorado.
- 43115 IVIMEY-COOK, R. B. The vegetation of solution cups in the limestone of the Burren, Co. Clare. J. Ecol. 53(2):437-445, map. July 1965. 450 J829
- 43116 LACK, D. Evolutionary ecology. J. Ecol. 53 (2):237-245. Ref. July 1965. 450 J829
- 43117 LAZENBY, A. Genotype and environment. Nat. Inst. Agr. Bot. J. 10(2):274-287. Ref. 1965. 103 N21J
Plant competition and genetic differences between populations.

- 43118 LINDSEY, A. A., and SCHMELZ, D. V. Comparison of Donaldson's Woods in 1964 with its 1954 forest map of 20 acres. Ind. Acad. Sci. Proc. 74:169-177. 1964, pub. 1965. 500 In2 Ecological.
- 43119 MARK, A. F. Ecotypic differentiation in Otago populations of narrow-leaved snow tussock, *Chionochloa rigida*. New Zeal. J. Bot. 3(4): 277-299. Ref. Dec. 1965. 450 N48 Includes effects of environment.
- 43120 MARLANGE, M., and MEHER-HOMJI, V. M. Phytosociological studies in the Pondicherry region. Indian Bot. Soc. J. 44(2):167-182, map. Ref. 1965. 450 J821
- 43121 MARSHALL, J. K. *Corynephorus canescens* (L.) P. Beauv. as a model for the *Ammophila* problem. J. Ecol. 53(2):447-463. July 1965. 450 J829 Populations from dune systems.
- 43122 MASAMUNE, G., and KAWAI, I. Seasonal rhythm of a community of *Miscanthus sacchariflorus* (Maxim.) Benth. found in the grounds of the University of Kanazawa. (Ja) J. Geobot. 13(3):66-72. Feb. 1965. 450 H68
- 43123 MORLEY, F. H. W., and KATZNELSON, J. Colonization in Australia by *Trifolium subterraneum* L. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.269-285, map. Ref. 1965. QH371.I5 Includes discussion.
- 43124 MOWBRAY, B. From weed patch to forest. Frontiers 30(1):14-18. Oct. 1965. 410 F92 Ecology in Pennsylvania.
- 43125 MULLIGAN, G. A. Recent colonization by herbaceous plants in Canada. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.127-146, map. Ref. 1965. QH371.I5 Commonly designated as weeds. Includes discussion.
- 43126 NISHIMURA, S., OKUBO, T., and HOSHINO, M. A new device to measure relative light intensity in a plant community using cadmium sulphide photoconductive cells. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):192-196. Dec. 1965. 22.5 C88 English summary.
- 43127 PASSARGE, H. Observations on the sociological classification of Baltic beech forests in South Sweden. (Ge) Arch. Forstwesen 14(10): 1133-1148. Ref. 1965. 99.8 Ar22 English summary.
- 43128 PASSEY, H. B., HUGIE, V. K., and WILLIAMS, E. W. Herbage production and composition fluctuations of natural plant communities as related to climate and soil taxonomic units. Amer. Soc. Agron. ASA. Spec. Publ. 5:206-221. Oct. 1964. 64.9 Am3 In Idaho.
- 43129 PORK, K. Genesis of vegetational cover and Quaternary successions in flood plain areas (as exemplified on flood plain meadows in the basins of the Poltsamaa and Pedja rivers). (Es) Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaraamat 56:97-112. Ref. 1964. 511 Ak191 German summary.
- 43130 RAMSAY, D. M. Some recent work on savanna vegetation soil relationships. Nigerian Forest. Conf. Proc., 1st Conf.:156-161. 1964. 99.9 N567 Plant communities.
- 43131 REINIKAINEN, A. Vegetationsuntersuchungen auf dem Walddungs-Versuchsfeld des Moores Kivisuo, Kirchsp. [Investigation of the vegetation of the forest fertilizers experimental plot on the Kivisuo marsh, Kirchsp.]. Finland. Metsantutkimuslaitos. Julkaisuja 59, 62 p., map. Ref. 1965. 99.9 F493
- 43132 ROBERTSON, D. R., NIELSEN, J. L., and BARE, N. H. Vegetation and soils of alkali sagebrush [*Artemisia longiloba*] and adjacent big sagebrush [*Artemisia tridentata*] ranges in North Park, Colorado. J. Range Manage. 19(1): 17-20. Jan. 1966. 60.18 J82
- 43133 RODGERS, C. L. The vegetation of Horsepasture Gorge. Elisha Mitchell Sci. Soc. J. 81(2): 103-112. Nov. 1965. 500 EL4 Ecological.
- 43134 SAKAI, K. I. Contributions to the problem of species colonization from the viewpoint of competition and migration. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.215-241. Ref. 1965. QH371.I5 Plants and insects. Includes discussion.
- 43135 SCOTT, D. A height frequency method for sampling tussock and shrub vegetation. New Zeal. J. Bot. 3(4):253-260. Ref. Dec. 1965. 450 N48
- 43136 SRIVASTAVA, P. B. L. Indicator species for sal (*Shorea robusta*) natural regeneration. Indian Bot. Soc. J. 44(2):231-243. 1965. 450 J821 Ecological factors; includes physiology.
- 43137 STEBBINS, G. L. Colonizing species of the native California flora. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.173-195. Ref. 1965. QH371.I5 Includes discussion.
- 43138 TANIGUCHI, M. Marine algal community of cape "Hino-misaki", Wakayama Prefecture. (Ja) Amadores Herb. 26(4):27-28. Jan. 25, 1966. 450 Am12 English summary.
- 43139 VENKATESAN, K. R. The mangroves of Madras State. Indian Forest. 92(1):27-34. Ref. Jan. 1966. 99.8 In2 Chiefly ecology.
- 43140 VYAS, L. N. Vegetation of Parashuram Hills and its neighbourhood. Indian Bot. Soc. J. 44(2): 149-162. Ref. 1965. 450 J821 Ecology.
- 43141 YOSHIMURA, K. Phytosociological studies on the forest vegetation and investigation on the interspecific association of Kyoto University Forest, in Ashu, Kyoto. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:125-148. Ref. Nov. 1965. 99.9 K993 English summary.
- 43142 ZOHARY, D. Colonizer species in the wheat group. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.403-423, map. Ref. 1965. QH371.I5 Triticum and Aegilops in the Mediterranean area. Includes discussion.

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 43143 AHNDRO, W. Contribution to the study to the venation and foliar anatomy of Amaranaceae of the "Cerrados." (Por) Acad. Brasil. Cienc. An. 36(4):479-499. Ref. Dec. 31, 1964. 516 R473A English summary.
- 43144 AKISUE, G. Identification of stramonium (*Datura stramonium* L.) powder showing anatomic anomaly. (Por) Sao Paulo. Univ. Fac. Farm. Bioquim. Rev. 2(2):147-152. July/Dec. 1964. 396.9 Sa623 English summary.

- 43145 ANTON-LAMPRECHT, I. Electron microscopical evidence of unusual structures in the cytoplasm of some plasmotypes of *Epilobium* hybrids. *J. Ultrastruct. Res.* 12(5/6):624-633. Ref. June 1965. 440.8 J822
Epilobium hirsutum X *E. parviflorum*.
- 43146 AOKI, S., MATSUBARA, J. K., and HASE, E. De- and re-generation of chloroplasts in the cells of *Chlorella protothecoides*. IV. Effects of 5-fluorouracil, dihydrostreptomycin, chloramphenicol and acridine orange on the processes of greening and division of "glucose-bleached" algal cells. *Plant Cell Physiol.* 6(3):475-485. Ref. Sept. 1965. 450 P699
- 43147 AOKI, S., MATUSKA, M., and HASE, E. De- and regeneration of chloroplasts in the cells of *Chlorella protothecoides*. V. Degeneration of chloroplasts induced by different carbon sources, and effects of some antimetabolites upon the process induced by glucose. *Plant Cell Physiol* 6(3):487-497. Sept. 1965. 450 P699
- 43148 ARKHANGEL'SKAYA, Z. M. Anatomical and morphological characteristics of broadbean seeds. (Rus) *Moskov. Ord. Lenina Sel'skhoz. Akad. K. A. Timiryazeva. Dokl.* 102:123-130. 1965. 20 M857
- 43149 ARU, L. Anatomical and histological structure of hypocotyl of decotyledonated sunflower shoots. (Es) *Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaraamat* 56:116-124. Ref. 1964. 511 Ak191
German summary.
- 43150 BANNAN, M. W. Cell length and rate of antical division in the cambium of the *Sequoias* [*sempervirens* and *S. gigantea*]. *Can. J. Bot.* 44(2):209-218. Ref. Feb. 1966. 470 C16C
- 43151 BANSAL, H. C., KUMAR, S., and NATARAJAN, A. T. Karyotype analysis of species in section *Cerealia* of genus *Hordeum* with special reference to their interrelationships. *Caryologia* 18(2):225-234. Ref. Apr./June 1965. 442.8 C25
- 43152 BERG, R. Y., and MAZE, J. R. Contribution to the embryology of *Muilla*, with a remark on the taxonomic position of the genus. *Madrono* 18(5):143-151. Ref. Jan. 1966. 450 M26
- 43153 BHANDARI, N. N. Studies in the family *Ranunculaceae*. VIII. Variations in the development of the embryo sac of *Anemone vitifolia* Buch.-Ham. Ex DC. *Phytomorphology* 15(3):285-291. Sept. 1965. 450 P566
- 43154 BRAUN, R., MITTERMAYER, C., and RUSCH, H. P. Sedimentation patterns of pulse-labeled RNA in the mitotic cycle of *Physarum polycephalum*. *Biochim. Biophys. Acta* 114(1):27-35. Ref. Jan. 18, 1966. 381 B522
- 43155 BROWN, W. V. The grass embryo—a rebuttal. *Phytomorphology* 15(3):274-284. Ref. Sept. 1965. 450 P566
- 43156 CHANDLER, C., and MAVRODINEANU, S. Meiosis in *Larix laricina* Koch. *Boyce Thompson Inst. Contrib.* 23(4):67-75. Ref. Oct./Dec. 1965. 451 B69
- 43157 CHEN, C. H. Cytohistological studies on the origin of diploid stem apices in colchicine-treated tetraploid sorghum seedlings. *Diss. Abs.* 26(4):1850. Oct. 1965. 241.8 M58
- 43158 CHOPRA, R. N., and HARJINDER, K. Some aspects of the embryology of *Cornus*. *Phytomorphology* 15(4):353-359. Ref. Dec. 1965. 450 P566
- 43159 CHU, O. M. Y., and LI, H. W. Cytological studies of *Pericaria oryzae* Cav. *Acad. Sinica. Inst. Bot. Bot. Bull. N. S.* 6(2):116-130. Ref. July 1965. 451 Ac1B
- 43160 CONSTANTINESCO, D. G., and others. Study of plant nucleolus. (Fr) *Acad. Sci. Compt. Rend.* 261(7):1724-1726. Aug. 18, 1965. 505 P21
M. Retezeanu, R. Oteleanu, and M. Constantinesco, joint authors.
In onions.
- 43161 CORLETT, M. Perithecium development in *Chaetomium trigonosporum*. *Can. J. Bot.* 44(2):155-162. Ref. Feb. 1966. 470 C16C
Morphology.
Includes discussion.
- 43162 CURTIS, E. J. C., and CANTLON, J. E. Cell wall of *Melampyrum lineare* seed: carbohydrate components. *Science* 151(3710):580-581. Ref. Feb. 4, 1966. 470 Sci2
- 43163 CUSSET, G. On the foliar tracheogeny of the mârestail (*Hippuris vulgaris* L.). (Fr) *Acad. Sci. Compt. Rend.* 261(7):1721-1723. Ref. Aug. 18, 1965. 505 P21
- 43164 DAVIES, R. Repair mechanisms and variations in UV sensitivity within the cell cycle. *Mutation Res.* 2(6):477-486. Ref. Dec. 1965. 443.8 M98
Chlamydomonas reinhardi.
- 43165 DESCOMPS, S. Observations on the infra-structure of the plastids of *Caulerpa* (*Chlorophyceae*). (Fr) *Acad. Sci. Compt. Rend.* 261(4):1061-1063. July 26, 1965. 505 P21
Includes chloroplasts.
- 43166 DE SILVA, E. M. Basic fuchsin-tannic acid; a one-solution stain for spore walls in fungi. *Stain Technol.* 40(5):253-257. Ref. Sept. 1965. 442.8 St1
- 43167 DE WET, J. M. J., and HARLAN, J. R. Morphology of the compilospecies *Bothriochloa intermedia*. *Amer. J. Bot.* 53(1):94-98. Ref. Jan. 1966. 450 Am36
- 43168 DIERS, L. Electron microscopic investigations on the egg cell formation and maturation in the liverwort *Sphaerocarpus donnellii* Aust. (Ge) *Z. Naturforsch.* 20b(8):795-801. Ref. Aug. 1965. 474 Z3
- 43169 DUNLOP, D. W., and SCHMIDT, B. L. Biomagnetics. II. Anomalies found in the root of *Allium cepa* L. *Phytomorphology* 15(4):400-414. Ref. Dec. 1965. 450 P566
Exposure to magnetic field.
- 43170 FINERAN, B. A. Studies on the root parasitism of *Exocarpus bidwillii* Hook F. V. Early development of the haustorium. *Phytomorphology* 15(1):10-25. Ref. Mar. 1965. 450 P566
- 43171 FREY-WYSSLING, A. Comparative organelle studies. (Ge) *Experientia* 21(12):681-687. Ref. Dec. 15, 1965. 475 Ex7
Plant cytology.
- 43172 GENEVES, L. New observations demonstrating the special organites present in spore bearing staminal tissues of *Ribes rubrum* L. (*Grossulariaceae*). (Fr) *Acad. Sci. Compt. Rend.* 261(4):1067-1070. July 26, 1965. 505 P21
- 43173 GEORGIEVA, I. D. Fluorescent microscopy used for study of polysaccharides during embryogenesis of *Lilium*. (Fr) *Bulgarska Akad. Nauk. Dokl.* 18(5):477-480. Ref. 1965. 512 So2
- 43174 GHOSHAL, K. K., and DATTA, R. M. Cytological studies of the corpus of *Foeniculum vulgare* Mill after treatment with colchicine. *J. Sci. Eng. Res.* 9(1):184-192. Ref. Jan. 1965. 475 J825
- 43175 GIESBRECHT, P. On the tertiary structure of DNA in the chromosomes of living cells. (Ge) *Z. Naturforsch.* 20b(9):927-928. Ref. Sept. 1965. 474 Z3
Dinoflagellates.
- 43176 GUEDES, M. The extrorse stamen of the *Eschscholtzia californica* Cham. (Fr) *Acad. Sci. Compt. Rend.* 261(3):777-780. July 19, 1965. 505 P21
- 43177 HAASIS, F. A., NELSON, R. R., and MARX, D. H. Occurrence of mating types in *Phytophthora cambivora*. *Elisha Mitchell Sci. Soc. J.* 81(2):76. Nov. 1965. 500 EL4
Morphological.

- 43178 HACCIUS, B. How do plant embryos react to radiation injuries? (Ge) Umschau 65(10):295-298. May 15, 1965. 474 Um7
- 43179 HASTINGS, J. W., and SWEENEY, B. M. Phased cell division in the marine dinoflagellates. In Zeuthen, E., ed. Synchrony in cell division and growth, p.307-321. Ref. 1964. 442 Z5
Includes Gonyaulax polyedra.
- 43180 HAWKER, J. S. The sugar content of cell walls and intercellular spaces in sugar-cane stems and its relation to sugar transport. Australian J. Biol. Sci. 18(5):959-969. Oct. 1965. 442.8 Au72
- 43181 HIRABAYASHI, H. Chromosome numbers in Japanese species of Dryopteris. 1. J. Jap. Bot. 41(1):11-13. Jan. 1966. 450 J8223
- 43182 HOHL, H. R., and HEPTON, A. A globular subunit pattern in [Ananas comosus] plastid membranes. J. Ultrastruct. Res. 12(5/6):542-546. June 1965. 440.8 J822
- 43183 HORHAMMER, L., and others. New methods in pharmacognostical teaching. 10. Differentiation between commercial varieties of aloes with thin layer chromatography. (Ge) Deut. Apoth.-Zeitung 105(25):827-830, map. Ref. June 24, 1965. 396.8 Su2
H. Wagner, G. Bittner, and E. Graf, joint authors.
- 43184 HOZYO, Y., ODA, K., and KOBAYASHI, H. Studies on the stiffness of culms in barley plants (Hordeum sativum, Jessen). 10-12. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):163-191. Ref. Dec. 1965. 22.5 C88
English summary.
- 43185 HRSEL, I. Morphology and function of the endoplasmic reticulum. Biol. Plant. 8(1):36-52. Ref. 1966. 450 B52
Review of literature.
In Fagopyrum.
- 43186 HYATT, D. W. Investigations in the orchid family. Amer. Orchid Soc. Bull. 34(9):787-790. Sept. 1965. 80 Am329
Polyploidy in Phalaenopsis hybrids and mycorrhizal symbiosis in native orchid varieties, in Virginia.
- 43187 HYDE, B. B., SANKARANARAYANAN, K., and BIRNSTIEL, M. L. Observations on fine structure in pea nucleoli in situ and isolated. J. Ultrastruct. Res. 12(5/6):652-667. Ref. June 1965. 440.8 J822
- 43188 IWASA, K. Chemical control of morphogenesis in moss [Funaria hygrometrica] protonema. Plant Cell Physiol. 6(3):421-429. Sept. 1965. 450 P699
With calcium oxalate and growth substances.
- 43189 JAMES, T. W. Induced division synchrony in the flagellates. In Zeuthen, E., ed. Synchrony in cell division and growth, p.323-349. Ref. 1964. 442 Z5
Astasia longa, Euglena gracilis var. bacillaris, and Polytomella agilis.
- 43190 JOHNS, R. M. Morphological and ecological study of Physoderma dulichii. Amer. J. Bot. 53(1):34-45, map. Jan. 1966. 450 Am36
Parasitic on the aquatic sedge Dulichium arundinaceum; in Michigan.
- 43191 JOHNSTON, J. R. Reproductive capacity and mode of death of yeast cells. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(1):94-98. 1966. 448.8 N28A
- 43192 JOHRI, B. M., and AGARWAL, S. Morphological and embryological studies in the family Santalaceae. VIII. Quinchamalium chilense Lam. Phytomorphology 15(4):360-372. Ref. Dec. 1965. 450 P566
- 43193 KAWATA, S. I., and LAI, K. L. On the meristematic state of the endodermis in the crown roots of rice plants. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):210-216. Ref. Dec. 1965. 22.5 C88
English summary.
- 43194 KIHLMAN, B. A., and ODMARK, G. Deoxyribonucleic acid synthesis and the production of chromosomal aberrations by streptonigrin, 8-ethoxycaffeine and 1,3,7,9-tetramethyluric acid. Mutation Res. 2(6):494-505. Ref. Dec. 1965. 443.8 M98
Broadbeans.
- 43195 KISHIMOTO, U., and TAZAWA, M. Ionic composition of the cytoplasm of Nitella flexilis. Plant Cell Physiol. 6(3):507-518. Ref. Sept. 1965. 450 P699
- 43196 KISHIMOTO, U., NAGAI, R., and TAZAWA, M. Plasmalemma potential in Nitella [flexilis]. Plant Cell Physiol. 6(3):519-528. Ref. Sept. 1965. 450 P699
- 43197 KLASTERSKY, I. Linden tree with the lacinated leaves. (Cz) Ziva 13(3):91-93. May 1965. 409.6 Z6
Tilia platyphyllos Scop.
- 43198 KOZLOWSKI, T. T., and CLAUSEN, J. J. Anatomical responses of pine needles to herbicides. Nature [London] 209(5022):486-487. Ref. Jan. 29, 1966. 472 N21
Pinus resinosa.
- 43199 KOZUHAROV, S., and KUZMANOV, B. A contribution to the karyological knowledge of the Bulgarian plants. Caryologia 18(2):349-351. Apr./June 1965. 442.8 C25
- 43200 KULJT, J. On the nature and action of the Santalalean haustorium, as exemplified by Phthirusa [pyrifolia] and Antidaphne [viscoidea] (Loranthaceae). Acta Bot. Neer. 14(3):278-307. Ref. Nov. 1965. 450 Ac822
- 43201 KULJT, J. Parasitism in Pholisma [depressum] (Lennoaceae). I. External morphology of subterranean organs. Amer. J. Bot. 53(1):82-86. Ref. Jan. 1966. 450 Am36
- 43202 KUMAR, S., and NATARAJAN, A. T. Kinetics of two-break chromosome exchanges and the spatial arrangement of chromosome strands in interphase nucleus. Nature [London] 209(5025):796-797. Feb. 19, 1966. 472 N21
Barley; includes chromosome numbers.
- 43203 KUPERMAN, F. M. Some results of morphophysiological investigations of plants. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:114-122. Ref. Jan. 1966. 20 V633
Field crop research.
- 43204 KURIYAMA, H. Studies on ear-emergence in rice. (Ja) Tokyo. Nat. Inst. Agr. Sci. Bull. Ser. D (Plant Physiol. Genet. Crops Gen.) 13: 275-353. Ref. Mar. 1965. 451 C433
English summary.
- 43205 LAROCHE, J. Two vascular conducting systems, corresponding to two phases of evolution, succeeding each other in the transitory growth of the Equisetum arvense. (Fr) Acad. Sci. Compt. Rend. 261(8):1891-1894. Aug. 23, 1965. 505 P21
- 43206 LI, H. W., WANG, S., and YEH, P. S. A preliminary note on the fine structure analysis of glutinous gene in rice. Acad. Sinica. Inst. Bot. Bot. Bull. N. S. 6(2):101-105. July 1965. 451 Ac1B
- 43207 LINK, H. K. Anatomy and physiology of the dafodil. Amer. Hort. Mag. 45(1):77-91. Jan. 1966. 80 N216
- 43208 LOCHMANN, E. R., STEIN, W., and UMLAUF, C. On the photodynamic effect of dyes. III. Effect of darkness and photodynamic effect of dyes on Saccharomyces cells of different degrees of ploidy and on nucleic acids. (Ge) Z. Naturforsch. 20b(8):778-785. Ref. Aug. 1965. 474 Z3
English summary.
- 43209 LUXOVA, M., and ERDELSKA, O. Plasmatic inclusions in fusing barley polar nuclei. Biologia [Bratislava] 20(11):890-893. Ref. 1965. 442.8 B5265

- 43210 MAEDA, E. Callus formation and isolation of single cells from rice seedlings. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):139-147. Ref. Dec.1965. 22.5 C88
English summary.
- 43211 MARSTON, M. E. The morphology of a *Streptocarpus* hybrid and its regeneration from leaf cuttings. Sci. Hort. 18:114-120. Ref. 1964/65. 84 H78
- 43212 MEAD, R. A generalised logit-normal distribution. Biometrics 21(3):721-732. Sept. 1965. 442.8 B5224
Application: to individual root diameters in a population of carrots.
- 43213 MEHTA, A. S. Electron microscopic demonstration of plasmodesmata in phloem parenchyma cells of the petiole of *Nymphoides peltatum* (Gmel.) O. Kunze. Indian Bot. Soc. J. 44(2):271-275. Ref. 1965. 450 J821
- 43214 MELHEM, T. S. Pollen grains of plants of the "Cerrado." IX. Leguminosae-Lotoideae—tribes: Galegeae and Sophoreae. Acad. Brasil. Cienc. An. 36(4):501-510. Ref. Dec.31,1964. 516 R473A
- 43215 MENKE, W. Experiments to elucidate the molecular structure of thylakoid membrane. (Ge) Z. Naturforsch. 20b(8):802-805. Ref. Aug.1965. 474 Z3
English summary.
Antirrhinum majus and *Oscillatoria chalybea*.
- 43216 MICHAELIS, P. Genetic, phylogenetic, and cytologic investigations on plasma inheritance. IV. Accelerated plastid recombination as a result of incomplete intermixing of the plastids before cell division. (Ge) Flora [Jena] 156(1):1-19. Ref. Aug.20,1965. 450 F66
Epilobium hirsutum.
- 43217 MILLINGTON, W. F. The tendril of *Parthenocissus inserta*: determination and development. Amer. J. Bot. 53(1):74-81. Ref. Jan.1966. 450 Am36
- 43218 MITRA, G. C., PRABHA, C., and CHATURVEDI, H. C. Histogenesis of callus tissue from different organs of *Rauwolfia serpentina* Benth. in tissue culture. Indian J. Exp. Biol. 3(4):216-222. Ref. Oct.1965. 442.8 In2
- 43219 MIYAJI, Y., and KOKUBU, T. Studies on the structure of young tubers of sweet potatoes, *Ipomoea batatas* Lam., with special reference to varietal differences in the capacity of accumulating starch. I-III. (Ja) Kagoshima Univ. Fac. Agr. Bull. 15:101-125. Ref. Dec.1964. 107.6 K114B
English summary.
- 43220 MOLOTKOVSKY, Y. G., and ZHESTKOVA, I. M. Morphological and functional changes in isolated chloroplasts under the influence of oleate. Biochim. Biophys. Acta 112(1):170-172. Jan.4,1966. 381 B522
- 43221 MORESHET, S. Calculation of cotton leaf area from a simple measurement of leaf length. Israel J. Agr. Res. 15(3):155-157. July 1965. 107 J552
- 43222 MUKHERJEE, K. L. Plasmodial fusion reactions between three races of *Didymium iridis* and their hybrids. Indian Bot. Soc. J. 44(2):224-230. Ref. 1965. 450 J821
- 43223 NAKATA, S., and LOCKHART, J. A. Effects of red and far-red radiation on cell division and elongation in the stem of pinto bean seedlings. Amer. J. Bot. 53(1):12-20. Ref. Jan.1966. 450 Am36
- 43224 NARAYANA, L. L., and RAO, D. Floral morphology of Linaceae. J. Jap. Bot. 41(1):1-10. Jan.1966. 450 J8223
- 43225 NEMEC, B. The frequency of cell distribution in the root tip of *Phaseolus vulgaris* namus. (Ge) Biol. Plant. 8(1):5-9. Ref. 1966. 450 B52
- 43226 NISHIDA, K., and HAYASHI, T. On the ballooning of isolated chloroplasts and grana. Experientia 21(12):705-706. Dec.15,1965. 475 Ex7
Spinach and *Nitella*.
- 43227 ONO, M. Spore morphology of *Jungermanniales* (Hepaticae). 1. (Ja) J. Jap. Bot. 41(1):17-22. Jan.1966. 450 J8223
- 43228 PAATELA, J. The identifying of tetraploid red clover by the number of pollen tubes. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:247-259. Ref. 1965. 20 Su7
English summary.
- 43229 PADILLA, G. M., and COOK, J. R. The development of techniques for synchronizing flagellates. In Zeuthen, E., ed. Synchrony in cell division and growth, p.521-535. Ref. 1964. 442 Z5
Astasia longa and *Euglena gracilis*.
- 43230 PANT, D. D., and BANERJI, R. Epidermal structure and development of stomata in some Convolvulaceae. Senckenb. Biol. 46(2):155-173. Ref. May 31,1965. 410.9 Se5
- 43231 PANT, D. D., and BANERJI, R. Ontogeny of stomata and hairs in some cucurbits and allied plants [*Passiflora incarnata*]. Indian Bot. Soc. J. 44(2):191-197. Ref. 1965. 450 J821
- 43232 PANT, D. D., and MEHRA, B. Ontogeny of stomata in some Rubiaceae. Phytomorphology 15(3):300-310. Ref. Sept.1965. 450 P566
- 43233 PAZOURKOVA, Z. Sexual dimorphism in the size of nuclei with dioecious plants. Biol. Plant. 8(1):86-96. Ref. 1966. 450 B52
- 43234 PETROV, D. F., SANKIN, L. S., and KRYLOVA, G. V. Polyploid forms of *Fragaria vesca* and *F. orientalis*. (Rus) Novosibirsk. Tsentr. Sib. risk. Bot. Sad. Tr. 2:65-68. 1964. 451 N853
- 43235 POUX, N. Electron microscopic demonstration of phosphates in the embryonal cells of some Dicotyledons. (Fr) Acad. Sci. Compt. Rend. 261(4):1064-1066. July 26,1965. 505 P21
- 43236 PUKHAL'SKII, V. A. Effect of dates of autumn setting on formation of generative and vegetative organs in winter wheat. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:225-228. 1965. 20 M857
- 43237 RAO, C. V. Studies in the Proteaceae. V. Evolution of the inflorescence. Indian Bot. Soc. J. 44(2):244-270. Ref. 1965. 450 J821
- 43238 REJNIAK, L., and PIOTROWSKA, H. Effect of malachite green, congo red and safranin on cell division in gemmae of *Allium cepa*. Nature [London] 209(5022):517-518. Jan.29,1966. 472 N21
- 43239 ROTHWELL, N. V. Evidence for diverse cell types in the apical region of the root epidermis of *Panicum virgatum*. Amer. J. Bot. 53(1):7-11. Ref. Jan.1966. 450 Am36
- 43240 ROUSI, A. Observations on the cytology and variation of European and Asiatic populations of *Hippophae rhamnoides*. Ann. Bot. Fenn. 2(1):1-18, map. Ref. 1965. 450 An79
- 43241 ROUSSY, L. Research on the variation in the androecium and the pollen grains of the blossoms of ramsons (*Allium ursinum* L.). (Fr) Gaz. Apic. 67(704):5-7, 16. Jan.1966. 424.8 G25
- 43242 ROY, R. P., and JHA, R. P. Cytological studies in *Lecythidaceae*. II. Indian Bot. Soc. J. 44(2):211-217. Ref. 1965. 450 J821
Includes discussion.
- 43243 SANKARANARAYANAN, K., and HYDE, B. B. Ultrastructural studies of a nuclear body in peas with characteristics of both chromatin and nucleoli. J. Ultrastruct. Res. 12(5/6):748-761. Ref. June 1965. 440.8 J822
- 43244 SARFATTI, G., and BEDINI, C. The symbiont alga [*Carteria* sp.] of the flatworm *Convoluta psammophila* Bekl. observed at the electron microscope. Caryologia 18(2):207-223. Ref. Apr./June 1965. 442.8 C25

- 43245 SCAVONE, O. Contribution to the morphological and anatomical study of *Cissus gongyloides* Burch. (Por) Sao Paulo, Univ. Fac. Farm. Bioquim. Rev. 2(2):107-128. July/Dec.1964. 396.9 Sa623
English summary.
- 43246 SCURTI, J. C., and CONVERSO, L. On the microscopic structure and ultrastructure of the sclerotia of *Typhula* sp. (It) *Caryologia* 18(2): 263-284. Ref. Apr./June 1965. 442.8 C25
English summary.
- 43247 SHAMBULINGAPPA, K. G. Occurrence of B-chromosomes in the genus *Clematis*. *Cur. Sci.* 34(23):670-671. Dec.5,1965. 475 Sci23
- 43248 SHIMIZU, M., and TAKEOKA, Y. Effects of gibberellin on the morphogenesis in rice plants. 2. Morphological abnormalities which appeared in spikelets. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(2):120-126. Ref. Dec.1965. 22.5 C88
English summary.
- 43249 SINGH, D. Ovule and seed of *Dicoelospermum* C. B. Clarke, together with a note on its systematic position. *Indian Bot. Soc. J.* 44(2):183-190. Ref. 1965. 450 J821
- 43250 SINGH, R. P. Structure and development of seeds in *Codiaeum variegatum* Blume. *Indian Bot. Soc. J.* 44(2):205-210. 1965. 450 J821
- 43251 SINYUKHIN, A. M., and OZOLINA, I. A. Flows of ions in dormant and active single plant cell. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:383-388. 1964. 20 M857
Nitella flexilis used for experiment.
- 43252 SKOPIK, P. Testing morphological effects of CCC in 1965. (Cz) *Za Vysokou Urodu* 13(8): 297-298. Aug.2,1965. 64.8 Z12
Effects on grain.
- 43253 SLADKY, Z. Experimental morphological study of developmental relationships between the overground and underground system in maize. *Biol. Plant.* 8(1):20-28. Ref. 1966. 450 B52
Includes effects of growth substances.
- 43254 SLOTOVA, J., and KARPFEI, Z. Comparison of the effects of radiation and deoxyribonucleic acids on the mitosis in roots of *Vicia faba*. *Biol. Plant.* 8(1):10-19. Ref. 1966. 450 B52
- 43255 SOEKARJO, R. On the formation of adventitious roots in cuttings of *Coleus* in relation to the effect of indoleacetic acid on the epinastic curvature of isolated petioles. *Acta Bot. Neer.* 14(4):373-399. Ref. Jan.1966. 450 Ac822
- 43256 SRB, V. Changes in cell permeability induced by low dosage of X-rays. (Cz) *Biologia [Bratislava]* 20(11):877-882. Ref. 1965. 442.8 B5265
German summary.
Onion.
- 43257 SRIVASTAVA, D. P., and HASSAN, M. A. Studies on the development of peg and pod in groundnut (*Arachis hypogaea* L.). *Indian Bot. Soc. J.* 44(2):198-204. 1965. 450 J821
Includes varieties.
- 43258 STRANDHEDE, S. O. Chromosome studies in *Eleocharis*, subser. *Palustres*. II. Pollen mitosis with special reference to some strains with 15 chromosomes, and formation of secondarily unreduced pollen grains. *Hereditas* 53(3):374-388. Ref. 1965. 442.8 H42
- 43259 STURGEON, R. J. Components of the spore wall of *Pithomyces chartarum*. *Nature [London]* 209(5019):204. Jan.8,1966. 472 N21
- 43260 SWEENEY, B. M., and HASTINGS, J. W. The use of the electronic cell counter in studies of synchronous cell division in dinoflagellates. In Zeuthen, E., ed. *Synchrony in cell division and growth*, p.579-587. 1964. 442 Z5
Gonyaulax polyedra, *Scrippsiella sweeneyi*, and *Lycopodium*.
- 43261 SYKES, J., GIBBON, J. A., and HOARE, D. S. The macromolecular organisation of cell-free extracts of *Chlorobium thiosulphatophilum* L 660. *Biochim. Biophys. Acta* 109(2):409-423. Ref. Nov.29,1965. 381 B522
- 43262 SYONO, K. Changes in organ forming capacity of carrot root calluses during subcultures. *Plant Cell Physiol.* 6(3):403-419. Ref. Sept. 1965. 450 P699
Using various culture media.
- 43263 TAMIYA, H. Growth and cell division of *Chlorella*. In Zeuthen, E., ed. *Synchrony in cell division and growth*, p.247-305. Ref. 1964. 442 Z5
- 43264 TANADA, T. Possible path of entry of cations into plant cells. *Nature [London]* 209(5023): 626-627. Feb.5,1966. 472 N21
Barley studied.
- 43265 TIAGI, B. Development of the embryo-sac, and embryogeny in *Cuscuta lupuliformis*. *Cur. Sci.* 34(23):671-672. Dec.5,1965. 475 Sci23
- 43266 TSENG, C. C. Anatomical and morphological studies of flower and fruit in *Hydrocotyloideae* (Umbelliferae). *Diss. Abs.* 26(6):3006. Dec. 1965. 241.8 M58
- 43267 TSITOLOGIYA i selektsiya kul'turnykh rastenii [Cytology and selection of cultivated plants]. *Novosibirsk. Tsentr. Sibirsk. Bot. Sad. Tr.* 2, 123 p. Ref. 1964. 451 N853
- 43268 TSUKAHARA, T., and UAMADA, M. Cytological structure of *Aspergillus niger* by electron microscopy. *Jap. J. Microbiol.* 9(1):35-48. Ref. Mar.1965. 448.8 J273
- 43269 TURNER, B. L., and FLYR, D. Chromosome numbers in the Compositae. X. North American species. *Amer. J. Bot.* 53(1):24-33. Ref. Jan.1966. 450 Am36
- 43270 USTINOVA, E. I. Embriologiya pokrytosemnykh rastenii s osnovami tsitologii [Embryology of angiospermae with principles of cytology]. *Moskva, Izdatel'stvo Moskovskogo Universiteta*, 1965. 190 p. Ref. QK665.U8
- 43271 VASHCHENKO, I. M. The root system of apple trees on wind eroded soils of the Chirsk sandy area. (Rus) *Moscow. Univ. Vestnik. Ser.* 6, 5:79-85. Sept./Oct.1965. 442.9 M854
- 43272 VERLEUR, J. D. Studies on the isolation of mitochondria from potato tuber tissue. *Plant Physiol.* 40(6):1003-1007. Ref. Nov.1965. 450 P692
- 43273 VILJAYARAGHAVAN, M. R. Morphology and embryology of *Actinidia polygama* Franch. & Sav. and systematic position of the family Actinidiaceae. *Phytomorphology* 15(3):224-235. Ref. Sept.1965. 450 P566
- 43274 VOGEL, F. S., and KEMPER, L. Structural and functional characteristics of deoxyribonucleic acid-rich mitochondria of the common meadow mushroom, *Agaricus campestris*. I-II. *Lab. Invest.* 14(11):1849-1893. Ref. Nov.1965. 448.8 L11
- 43275 VORONCHIKHINA, Z. N. Distribution of root system of gooseberries in soil. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:377-380. 1965. 20 M857
- 43276 WANG, S., YEH, P. S., and LI, H. W. Effect of low temperature on desynapsis in rice. *Acad. Sinica, Inst. Bot. Bull. N. S.* 6(2):197-207. Ref. July 1965. 451 Ac1B
- 43277 WARDLAW, C. W. Organization and evolution in plants. London, Longmans, 1965. 499 p. QK641.W3
- 43278 WEIJER, J., and MCDONALD, B. R. Karyokinesis of somatic nuclei of *Neurospora crassa*. IV. *Can. J. Genet. Cytol.* 7(3):519-522. Ref. Sept.1965. 443.8 C16
- 43279 WILLIAMSON, D. H. Division synchrony in yeasts. In Zeuthen, E., ed. *Synchrony in cell division and growth*, p.351-379. Ref. 1964. 442 Z5
- 43280 WILLIAMSON, D. H. Techniques for synchronizing yeast cells. In Zeuthen, E., ed. *Synchrony in cell division and growth*, p.589-591. 1964. 442 Z5

- 43281 WILSON, C. L. The floral anatomy of the Dilleniaceae. I. *Hibbertia* Andr. *Phytomorphology* 15(3):248-274. Ref. Sept.1965. 450 P566
- 43282 WINTER, E. J. Some effects of wind upon vegetable crop plants. *Sci. Hort.* 18:53-60. 1964/65. 84 H78
Effects on plant morphology.
- 43283 WOODING, F. B. P., and NORTHCOTE, D. H. An anomalous wall thickening and its possible role in the uptake of stem-fed tritiated glucose by *Pinus pinea*. *J. Ultrastruct. Res.* 12(5/6):463-472. Ref. June 1965. 440.8 J822
- 43284 WOOLLEY, C. A. Freak Douglas fir. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):32. 1965. 99.76 P112La
- 43285 YAMAKAWA, K., and SPARROW, A. H. The correlation of interphase chromosome volume with pollen abortion induced by chronic gamma irradiation. *Radiat. Bot.* 6(1):21-32. Ref. Feb. 1966. 450 R11
- 43286 YANO, N., and others. The seed morphology of herbaceous plants in Japan. 4. (Ja) *Amatores Herb.* 26(4):5-8. Jan.25,1966. 450 Am12
Y. Mizoguchi, T. Tanaka, S. Uchida, and S. Yoshikawa, joint authors.
- 43287 YCAS, M., SUGITA, M., and BENSAM, A. A model of cell size regulation. *J. Theor. Biol.* 9(3):444-470. Ref. Nov.1965. 442.8 J8223
Includes plants.
- 43288 ZEUTHEN, E., ed. Synchrony in cell division and growth. New York, Intersci. Publ., 1964. 630 p. Ref. 442 Z5
Includes bibliographies.
Includes plants.
- GENETICS**
- 43289 ALLARD, R. W. Genetic systems associated with colonizing ability in predominantly self-pollinated species. In *International Union of Biological Sciences Symposia on General Biology*, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.49-76. Ref. 1965. QH371.15
Includes discussion.
- 43290 ASHMAN, R. B. Paramutagenic action of mutants from maize plants heterozygous $Rr R^{st}$. *Genetics* 52(4):835-841. Oct.1965. 442.8 G28
- 43291 BAKER, E. P., and TEO, C. Mutants of *Puccinia graminis avenae* induced by ethyl methane sulphonate. *Nature [London]* 209(5023):632-633. Feb.5,1966. 472 N21
- 43292 BASU, R. K. The induction of early flowering mutants in *Corchorus olitorius* L. *Radiat. Bot.* 6(1):39-47. Feb.1966. 450 R11
Jute breeding with X-irradiation and treatment with P32.
- 43293 BAUER, F. Investigation of the time and method of castration in rye. (Hu) *Novenytermes* 14(4):321-336. Ref. Dec.1965. 64.8 N76
English summary.
- 43294 BHALE, N. L., and KALORE, R. M. A short note on inheritance of cytoplasmic nuclear male sterility in Jowar. *Nagpur Agr. Coll. Mag.* 38(4):28-29. 1964/65. 107.5 N132
- 43295 BOROJEVIC, K. Cytogenetical changes induced by the irradiation of wheat. (Se) *Savremena Poljoprivreda* 13(1):15-22. Jan.1965. 21 P75
English summary.
- 43296 BOYES, B. C. The impact of Mendel. *BioScience* 16(2):85-92. Ref. Feb.1966. 500 Am322A
History of genetics, chiefly plants.
- 43297 CHANG, T. T., and others. Genetic analysis of plant height, maturity and other quantitative traits in the cross of Peta \times I-geo-tze. (Ch) *Agr. Ass. China. J. (n.s.)* 51:1-8. Ref. Sept. 1965. 22.5 Ag862
H. Morishima, C. S. Huang, O. Tagumpay, and K. Tateno, joint authors.
Rice genetics.
- 43298 COYNE, D. P., SCHUSTER, M. L., and SHAUGHNESSY, L. Inheritance of reaction to halo blight and common blight bacteria in a *Phaseolus vulgaris* variety cross. *Plant Dis. Rep.* 50(1):29-32. Ref. Jan.1966. 1.9 P69P
Caused by *Pseudomonas phaseolicola* and *Xanthomonas phaseoli*.
- 43299 DAVIS, D. W., and FRAZIER, W. A. Association between waxy pod color and some morphological characters in the bush snap bean. *J. Hered.* 56(5):223-224. Sept./Oct.1965. 442.8 Am3
- 43300 DEWEY, D. R. Synthetic *Agropyron-Elymus* hybrids. I. *Elymus canadensis* \times *Agropyron subsecundum*. *Amer. J. Bot.* 53(1):87-94. Ref. Jan.1966. 450 Am36
- 43301 DRISCOLL, C. J., and BAKER, E. P. Location of genes for resistance to stem rust race 126-Anz-1 in four varieties of wheat. *Wheat Inform. Serv.* 19/20:47-49. Mar.1965. 463.69 W56
- 43302 DUNDUK, I. G., and ERMAKOVA, M. F. Evaluation of wheat mutants grown from ionized seeds. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:123-125. Jan.1966. 20 V633
English summary.
Treatment with neutrons and gamma rays.
- 43303 EHRENDORFER, F. Dispersal mechanisms, genetic systems, and colonizing abilities in some flowering plant families. In *International Union of Biological Sciences Symposia on General Biology*, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.331-352, map. Ref. 1965. QH371.15
Angiospermae.
- 43304 ERIKSSON, G. The size of the mutated sector in barley spikes estimated by means of waxy mutants. *Hereditas* 53(3):307-326. Ref. 1965. 442.8 H42
Treated with gamma rays.
- 43305 FUJII, T. Effects of 14 MeV neutrons in heterozygotic einkorn wheat. *Jap. J. Genet.* 40(3):209-218. Ref. June 1965. 442.9 J27
- 43306 GEORGIEV, KH., and DASKALOV, S. Study of phenotype and genotype of chlorophyllous tomato mutant. (Rus) *Bulgarska Akad. Nauk. Dokl.* 18(5):481-484. 1965. 512 So2
- 43307 GHIDONI, A., and GRAZI, F. Obtaining polyploids in *Trifolium pratense* following treatment with colchicine. (It) *Caryologia* 18(2):327-347. Ref. Apr./June 1965. 442.8 C25
English summary.
- 43308 GILL, J. L. A Monte Carlo evaluation of predicted selection response. *Australian J. Biol. Sci.* 18(5):999-1007. Oct.1965. 442.8 Au72
Applicable to plant genetics.
- 43309 GUILLEN, G. V. The mode of inheritance of barley stripe mosaic reaction in a diallel cross of three barley varieties. *Diss. Abs.* 26(7):3600. Jan.1966. 241.8 M58
- 43310 GUSTAFSSON, A., and GADD, I. Mutations and crop improvement. VI. The genus *Avena* L. (Gramineae). *Hereditas* 53(3):327-373. 1965. 442.8 H42
Bibliography, p.367-373.
Includes *Avena sativa*.
- 43311 GUTZ, H. Structure and operation of genes. (Ge) *Monatsschr. Brauerei* 18(5):137-142. May 1965. 390.8 B7323
Touches upon yeasts.
- 43312 HAN, S. K. The world composite cross bulk populations of barley and wheat. (Ko) *Seoul Univ. J. Biol. Agr. Ser. (B)* 16:118-124. Ref. May 1965. 442.9 So84
English summary.
- 43313 HARTLEY, M. J., and WHITTINGTON, W. J. Possible effect of mitotic recombination on gene conversion and negative interference. *Nature [London]* 209(5024):698-700. Ref. Feb.12,1966. 472 N21
Chiefly fungi.

- 43314 HOLLIDAY, R. Radiation sensitive mutants of *Ustilago maydis*. *Mutation Res.* 2(5):557-559. Dec.1965. 443.8 M98
Ultraviolet rays.
- 43315 ICHIKAWA, S. Radiation-induced mutants in a Japanese wheat variety, Shinchunaga. *Wheat Inform. Serv.* 19/20:14. Mar.1965. 463.69 W56
- 43316 INNES, N. L. Resistance to bacterial blight of cotton: the genes B9 and B10. *Exp. Agr.* 1(3): 189-191. July 1965. 10 Ex72
- 43317 INTERNATIONAL UNION OF BIOLOGICAL SCIENCES SYMPOSIA ON GENERAL BIOLOGY, ASILOMAR, CALIF., 1964. The genetics of colonizing species, proceedings; edited by H. G. Baker, and G. L. Stebbins. New York, Acad. Press, 1965. 588 p., map. Ref. QH371.I5
Introduction, by C. H. Waddington; Summary, by E. Mayr.
Includes plant introduction and insect colonization.
Includes discussion.
- 43318 JONES, F. G. W., and PARROTT, D. M. The genetic relationships of pathotypes of *Heterodera rostochiensis* Woll. which reproduce on hybrid potatoes with genes for resistance. *Ann. Appl. Biol.* 56(1):27-36. Aug.1965. 442.8
- 43319 KAWAI, T., and SATO, H. Studies on artificial induction of mutations in rice by chemicals. I. Chlorophyll mutations by ethylene-imine and ethylene oxide treatments. *Tokyo. Nat. Inst. Agr. Sci. Bull. Ser. D (Plant Physiol. Genet. Crops Gen.)* 13:133-162. Mar.1965. 451 C433
- 43320 KERN, H. Investigations on the genetic transformation between *Agrobacterium tumefaciens* and *Thizobium spec.* II. Comparative, morphological, physiological, and biochemical investigations of the partners of a transformation. (Ge) *Arch. Mikrobiol.* 52(3):206-223. Ref. Oct.25,1965. 442.8 Ar26
English summary.
- 43321 KONVICKA, O. First results of the mutagenic breeding in Czechoslovak SSR. (Cz) *Za Vysokou Urodu* 13(2):77-78. Feb.1,1965. 64.8 Z12
- 43322 LATTER, B. D. H. The response to artificial selection due to autosomal genes of large effect. II. The effects of linkage on limits to selection in finite populations. *Australian J. Biol. Sci.* 18(5):1009-1023. Oct.1965. 442.8 Au72
Applicable to plant genetics.
- 43323 LAWRENCE, C. W. The effect of dose duration in the influence of irradiation on recombination in *Chlamydomonas [reinhardi]*. *Mutation Res.* 2(6):487-493. Ref. Dec.1965. 443.8 M98
Gamma rays.
- 43324 LESTER, G. Genetic control of amino acid permeability in *Neurospora crassa*. *J. Bacteriol.* 91(2):677-684. Ref. Feb.1966. 448.8 J82
- 43325 LINDEGREN, G., and others. Genetical mutants induced by ethyl methanesulfonate in *Saccharomyces*. *Can. J. Genet. Cytol.* 7(3):491-499. Ref. Sept.1965. 443.8 C16
Y. L. Hwang, Y. Oshima, and C. C. Lindgren, joint authors.
- 43326 LOOSE, R. DE. Mutation research with cocksfoot *Lemba R.v.P.*; results from a treatment with X- and ^{60}Co -gamma rays. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(1):59-68. 1965. 105.1 G344
English summary.
- 43327 LOOSE, R. DE. Results from a ^{60}Co -gamma irradiation experiment with perennial ryegrass pasture type R.v.P after vegetative propagation. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(1):459-467. 1965. 105.1 G334
English summary.
Mutation.
- 43328 LUGOD, G. J. C. Mutagenic effects of phytoextracts from *Pangium edule* Reinw. and *Hydnocarpus alcala* C. DC. upon living root tip tissues of onion and rice. *Araneta J. Agr.* 11(3):138-163. Ref. July/Sept.1964. 25 Ar1
- 43329 MAKARA, GY. A new method for plant propagation: growing the meristem. (Hu) *Buvar* 10(5):278-279. Sept./Oct.1965. 410 B98
- 43330 MAKINEN, Y. A probable case of ancient introgression between *Carex digitata* and *C. pediformis* ssp. *rhizodes*. *Ann. Bot. Fenn.* 2(1):19-32, map. Ref. 1965. 450 An79
Hybridization.
- 43331 MATSUMURA, S. Proposed plan for genetic studies of wheat under Japan—U. S. Scientific Cooperation Program. *Wheat Inform. Serv.* 19/20:45-46. Mar.1965. 463.69 W56
- 43332 MCINTOSH, R. A., BAKER, E. P., and DRISCOLL, C. J. Cytogenetical studies in wheat. I. Monosomic analysis of leaf rust resistance in the cultivars Uruguay and Transfer. *Australian J. Biol. Sci.* 18(5):971-977. Ref. Oct. 1965. 442.8 Au72
- 43333 MOHAMED, A. H., and HANNA, A. S. Inheritance of quantitative characters in rice. II. Inheritance of panicle length. *Can. J. Genet. Cytol.* 7(3):406-417. Ref. Sept.1965. 443.8 C16
- 43334 NAGUR, T., MURTY, K. N., and PARDHASARADHI, A. V. A note on the male sterile yellow grained jowar. *Andhra Agr. J.* 12(5):183-184. 1965. 34.2 An4
- 43335 NELSON, R. R., KLINE, D. M., and HAASIS, F. A. Genetic control of mating type in *Cochliobolus cynodontis* and *Cochliobolus spiciferus*. *Elisha Mitchell Sci. Soc. J.* 81(2):76. Nov. 1965. 500 EL4
- 43336 NEMA, N. P., and SINGH, L. Estimates of genotypic and environmental variability in niger. *Indian Oilseeds J.* 9(3):192-194. July/Sept.1965. 307.8 In22
- 43337 NEMEC, B. Centenary of the mendelism. (Cz) *Ovocnarstvi Zelinarstvi* 13(7):177-178. 1965. 80 Ov64
Plant genetics.
- 43338 NICOLOFF, H., and GEORGIEVA, V. Spontaneous somatic mutation with chlorophyll deficiency in *Medicago hispida* Gaertn (2n=14). *Bulgarska Akad. Nauk. Dokl.* 18(5):485-488. 1965. 512 So2
- 43339 ONO, H. Genetical physiological studies on the superelongation of a mutant in barley. (Ja) *Hyogo Univ. Agr. Mem.* 17:1-19. Ref. July 1964. 107.6 H67
English summary.
- 43340 OYDVIN, J. Nedarving av avling og baerstorleik hos fem jordbaersortar. Inheritance of yield and berry size in five strawberry cultivars. *Norges landbruks hogsk. Meld.* 44(30), 10 p. 1965. 104 N762M
English summary.
- 43341 PETROV, D. F. Cyto-genetic investigation of pseudogamy in raspberries. (Rus) *Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr.* 2:18-28. 1964. 451 N853
- 43342 RADFORD, A. Heterokaryon complementation among the pyridoxine auxotrophs of *Neurospora crassa*. *Can. J. Genet. Cytol.* 7(3):472-477. Ref. Sept.1965. 443.8 C16
- 43343 RAJKI, S. Environmental influence and selection. (Hu) *Novenytermeles* 14(4):289-294. Dec.1965. 64.8 N76
English summary.
In converting spring wheat into winter wheat.
- 43344 RYBAKOV, M. N. Behavior of strawberry clones of Komsomolka and Drezden varieties depending on degree of treatment with some mutagenic factors. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:397-406. 1965. 20 M857
Effect on gamma rays and chemicals on mutation.
- 43345 SHANDS, H., PATTERSON, F. L., and SCHAFER, J. F. Inheritance of resistance to loose smut in three winter barleys. *Ind. Acad. Sci. Proc.* 74:155-164. Ref. 1964, pub.1965. 500 In2

- 43346 SHARMA, B. Effect of certain chemical and physical mutagens on growth and development of peas in the first generation. I. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:245-255. 1965. 20 M857
Gamma rays, neutrons and chemicals.
- 43347 SHARMA, B., and RAPOPORT, I. A. Effect of induced mutation on development of chimeras and changes in a genome. 3. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:267-276. Ref. 1965. 20 M857
Peas.
- 43348 SHARMA, B., and RAPOPORT, I. A. Frequency of dominant mutations induced by mutagens in M_1 [the first mutation]. 2. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:257-266. 1965. 20 M857
Effect of gamma rays, neutrons and chemicals on peas.
- 43349 SHIN, H. P., HAN, S. K., and LEE, E. W. Components of genetic variance of coleoptile length in three barley crosses, normal Uzu, under different bed condition. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:109-117. Ref. May 1965. 442.9 So84
English summary.
- 43350 SYLAGI, S. Interactions between an extrachromosomal factor, poky, and nuclear genes in *Neurospora crassa*. Genetics 52(2,pt.1):341-347. Aug.1965. 442.8 G28
- 43351 SIMONET, M., and WERCKMEISTER, P. A cytogenetic and descriptive study of the trispecific Iris hybrid "Stolorine," Werckmeister (Iris stolonifera Maxim. Iris intermedia cv. "Ivorine," Goos & Koenemann, 1901). Caryologia 18(2):291-303. Ref. Apr./June 1965. 442.8 C25
- 43352 SINDAGI, S. S. Study of natural cross pollination in castor. Indian Oilseeds J. 9(3):204-205. July/Sept.1965. 307.8 In22
- 43353 SMITH, E. B. Preferential segregation from a trivalent in *Haplopappus validus*. Can. J. Genet. Cytol. 7(3):484-490. Ref. Sept.1965. 443.8 C16
- 43354 STEHLIK, V. Mendelism in its beginnings and its application in the breeding of plants. (Cz) Za Vysokou Urodu 13(8):286-287. Aug.2,1965. 64.8 Z12
- 43355 TACHIKAWA, T., and HARA, S. Investigations on the breeding of citrus trees. II. Regarding the seedless fruits induced by irradiation of pollens. (Ja) Shizuoka. Citrus Exp. Sta. Bull. 5:1-7. Ref. Oct.1965. 93.33 Sh62B
English summary.
- 43356 TAN, W. Y., and YUAN, C. H. On the biometrical analysis of quantitative inheritance. Acad. Sinica. Inst. Bot. Bull. N. S. 6(2):189-196. July 1965. 451 Ac1B
Environmental effects on plant genetics.
- 43357 TSAI, C. Y., and NELSON, O. E. Starch-deficient maize mutant lacking adenosine diphosphate glucose pyrophosphorylase activity. Science 151(3708):341-343. Ref. Jan.21,1966. 470 Sci2
- 43358 TUGARINOV, V. V., and KUZNETSOV, V. V. The combined effect produced by X-rays and streptomycin on mutability of *Chlorella* [*Chlorella vulgaris*]. (Rus) Akad. Nauk SSSR. Dokl. 166:722-725. Ref. 1966. 511 P444A
- 43359 WILSON, D., and ADAM, J. The inheritance of some yield components in black currant seedlings. J. Hort. Sci. 41(1):65-72. Jan.1966. 80 J825
- 43360 WOLF, F. A. Hereditary abnormalities of tobacco. Elisha Mitchell Sci. Soc. J. 81(2):144-172. Ref. Nov.1965. 500 EL4
- 43361 WU, H. C. Some experimental studies on the inheritance of resistance and susceptibility to rice leaf blast disease, *Piricularia oryzae* Cav. Acad. Sinica. Inst. Bot. Bull. N. S. 6(2):208-217. Ref. July 1965. 451 Ac1B
- 43362 YAMASAKI, Y., and NIIZEKI, H. Studies on variation of the rice blast fungus, *Piricularia oryzae* Cav. I. Karyological and genetical studies on variation. (Ja) Tokyo. Nat. Inst. Agr. Sci. Bull. Ser. D (Plant Physiol. Genet. Crops Gen.) 13:231-273. Ref. Mar.1965. 451 C433
English summary.
- 43363 YU, C. H., TAI, G. C. C., and TANG, W. T. Comparison of genetic and breeding behaviors of F_2 progenies in different seasons among soybean intervarietal crosses. (Ch) Agr. Ass. China. J. (n.s.)51:21-25. Sept.1965. 22.5 Ag862
English summary.

PHYSIOLOGY

- 43364 ABD-EL-RAHMAN, A. A., and BATANOUNY, K. H. Transpiration of desert plants under different environmental conditions. J. Ecol. 53(2):267-272. Ref. July 1965. 450 J829
Chiefly *Zygophyllum coccineum* and *Zilla spinosa*.
- 43365 ABERG, E. Studies of growth and development of green fodder and silage maize at Ultuna. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:44-70. Ref. 1965. 20 Su7
English summary.
Varietal and physiological studies.
- 43366 AFRIDI, M. M. R. K., and HEWITT, E. J. The inducible formation and stability of nitrate reductase in higher plants. II. Effects of environmental factors, antimetabolites, and amino acids on induction. J. Expt. Bot. 16(49):628-645. Ref. Nov.1965. 450 J8224
Cauliflower, with effects of molybdenum and nitrate.
- 43367 AGRIOS, G. N. A severe non-parasitic russetting and dimpling of apples in Massachusetts orchards. Plant Dis. Rep. 50(3):151-153. Mar. 1966. 1.9 P69P
Caused by frost injury or low temperatures.
- 43368 AHO, V. Havaintoja kupari-kromi-arseeni-pohjaisen kyllasteen vilutuksesta vehnan, apilan ja perunan kasvuun. Observations of the effect of a copper-chromium-arsenic preservative on the growth of wheat, clover and potatoes. Finland. Valtion Tek. Tutkimuslaitos. Tiedotus. Sarja 1, Pää 28,25 p. 1964. 99.9 F499
English summary.
- 43369 AKERBERG, E. The development of barley and oats under northern growing conditions—some viewpoints. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:71-89. Ref. 1965. 20 Su7
English summary.
- 43370 ALESHIN, E. P., FILIN-KOLDAKOV, B. V., and BROTNIKOVA, T. P. On the problems of the effect of 2,4-D on some fermentation processes of plants. (Rus) Khim. Sel'skom Khoz. 3(12):37-41. Ref. Dec.1965. 385 K524
Includes phosphorylation and oxidase in sunflowers and Brassica.
- 43371 ANDREEVA, I. I. Shoot formation and developmental rhythm of certain Tertiary relicts of Colchis forests. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:521-528. 1965. 20 M857
Laurocerasus officinalis, *Dentaria quinquefolia* and *Omphalodes cappadocica*.
- 43372 ANDRIANO, M., and ALEXANDRESCU, S. The effect of treatment with hydrogen phosphide on the germination of seeds of certain field crops. (Rum) Rev. Gosp. Agr. Stat 17(10):17-19. Oct.1965. 21 R32
- 43373 ARIKADO, H. Respiration and nutrient absorption of plant roots growing under aerobic or anaerobic condition. I. Respiration and nutrient absorption of rice roots growing under anaerobic condition. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):133-138. Ref. Dec.1965. 22.5 C88
English summary.
Nitrogen environment.

- 43374 ARKHANGEL'SKII, N. S. Some peculiar effect of phosphorus fertilizers in cultivation of 2 year old beets on soddy-podzolic soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva, Dokl. 99:287-291. 1964. 20 M857
Better germination and ripening of beets used for forage.
- 43375 ARMOUR, R. P. Some factors affecting the rooting of citrus species. (Condensed) Ceiba 11(1):22-50. Ref. Mar.1965. 475 C32
Based on his M. S. thesis for the University of Florida.
Chiefly effects of bottom heat and treatment with indolebutyric acid and fungicides; includes a review of literature.
- 43376 ARSCOTT, T. G., BHANGOO, M. S., and KARON, M. L. Irrigation investigations of the giant Cavendish banana. I. Consumption of water applied to banana plantings in the Upper Aguan Valley, Honduras, as influenced by temperature and humidity. Trop. Agr. [St. Augustine] 42(2): 139-144. Apr.1965. 26 T754
- 43377 ASANA, R. D., and JOSEPH, C. M. Studies in physiological analysis of yield. VII. Effect of temperature and light on the development of the grain of two varieties of wheat. Indian J. Plant Physiol. 7(1/2):86-101. 1964. 450 In23
- 43378 ASANA, R. D., and KALE, V. R. A study of salt tolerance of four varieties of wheat. Indian J. Plant Physiol. 8(1):5-22. Ref. 1965. 450 In23
- 43379 ASCHER, P. D., and PELOQUIN, S. J. Effect of floral aging on the growth of compatible and incompatible pollen tubes in *Lilium longiflorum*. Amer. J. Bot. 53(1):99-102. Ref. Jan. 1966. 450 Am36
- 43380 ASHTON, F. M. Fate of amiben-C¹⁴ in carrots. Weeds 14(1):55-57. Jan.1966. 79.8 W41
Effects on carrots.
- 43381 AUZAC, J. D'. Use of marked elements in operations aimed at improving productivity in Hevae culture. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):1165-1184. Ref. 1965. 105.1 G344
- 43382 AVERNA, V., BAZAN, E., and PICCIURRO, G. Dynamics of the respiratory phenomena in the pectocellulose tissues of citrus during growth of the fruit. (It) Agrochimica 9(4):323-333. Ref. Sept.1965. 385 Ag84
English summary.
- 43383 AVRON, M., and SHAVIT, N. Inhibitors and uncouplers of photophosphorylation. Biochim. Biophys. Acta 109(2):317-331. Ref. Nov.29, 1965. 381 B522
Chloroplasts.
- 43384 BACKER, S. DE. Problemes d'hydrometeorologie concernant le sol et la vegetation [Hydrometeorological problems concerning soil and vegetation]. Bruxelles, 1965. 58 p. Ref., p.56-58. (Académie Royale des Sciences d'Ostre Mer. Classe des Sciences Techniques [Mémoires in 8°] Nouvelle Serie, v.16, No.3) S600.B3
- 43385 BAELDE, I. The tomato season 1966; fruit set of early greenhouse tomatoes. (Du) Groenten Fruit 21(29):1315. Feb.2,1966. 80 G89
- 43386 BAIER, J. The effect of certain factors on the uptake of phosphoric acid by plants. (Cz) Agrochimica [Bratislava] 5(5):130-133. Ref. 1965. 385 Ag88
English summary.
Wheat.
- 43387 BANZUELO, R. N. The effects of treatment with gibberellic acid on castor bean plants (*Ricinus communis* Linn.). Araneta J. Agr. 11(4):208-258. Ref. Oct./Dec.1964. 25 Ar1
- 43388 BAR'ETAS, P. K., and IMAMALIEV, A. I. The effect of the dates of defoliation on yields and quality of cotton. (Rus) Khim. Sel'skom Khoz. 3(12):48-51. Ref. Dec.1965. 385 K524
- 43389 BARTON, L. V. Viability of seeds of *Theobroma cacao* L. Boyce Thompson Inst. Contrib. 23(4):109-122. Ref. Oct./Dec.1965. 451 B69
Includes storage temperature.
- 43390 BEATLEY, J. C. Winter annual vegetation following a nuclear detonation in the northern Mojave desert (Nevada Test Site). Radiat. Bot. 6(1):69-82. Ref. Feb.1966. 450 R11
Effects of radiation on plants.
- 43391 BEBIN, S. I. Speed of germination and chemical composition of broadbean seeds depending on the location of beans on the plant stem. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva, Dokl. 102:115-121. 1965. 20 M857
- 43392 BEREZOVSKI, M. YA., and LAPTEV, A. A. Effect of herbicides on yielding and quality of potato tubers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva, Dokl. 103:213-218. 1965. 20 M857
- 43393 BLOCK, I. Chemical soil disinfection. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:87-91. 1965. 86 B65
Chiefly on the effect of chloropicrin and methyl bromide on growth of shrubs.
- 43394 BLOMMERS, J. Increased yield of greenhouse strawberries through the use of carbon dioxide. (Du) Groenten Fruit 21(27):1231. Jan.19,1966. 80 G89
- 43395 BOGDANOVA, T. F. Dependence of spring wheat yields on the amount of precipitation in the central non-Chernozem zone. (Rus) Meteorol. Gidrol. 7:46-48. July 1965. 345 M56
- 43396 BRACONI, L. Artificial pollination and ring decortication in the olive. (It) Ital. Agr. 130(1):67-77. Jan.1966. 16 It1
- 43397 BROCK, T. D., and BROCK, M. L. Temperature optima for algal development in Yellowstone and Iceland hot springs. Nature [London] 209(5024):733-734. Feb.12,1966. 472 N21
- 43398 BRONNER, H. Boron in beet culture—observations and considerations. (Ge) Z. Zuckerindus. 15(8):458-462. Ref. Aug.20,1965. 65.8 D48
English summary.
Lack of boron causes deficiency disease in Austria.
- 43399 BROWN, J. M. Plant food-water requirements for cotton. Agr. Ammonia News 16(2):38-39, 42. Mar./Apr.1966. 381 Ag82
- 43400 BRUCKER, W. The effect of X-rays on the phosphate exchange Phycomyces [blakesleeanus]. (Ge) Deut. Bot. Ges. Ber. 78(5):183-192. Ref. 1965. 451 D48
- 43401 BRUINSMA, J. Plant physiological studies at horticultural research institutes. (Du) Neth. Dir. Tuinbouw. Mededel. 28(7/8):369-380. Ref. July/Aug.1965. 86 N384
English summary, p.417.
Includes discussion.
- 43402 BUCHHEIT, R. G., SCHREINER, H. R., and DOEBBLER, G. F. Growth responses of *Neurospora crassa* to increased partial pressures of the noble gases and nitrogen. J. Bacteriol. 91(2):622-627. Ref. Feb.1966. 448.3 J82
- 43403 BULENCEA, A., and OPREA, S. The effect of cold on grapes, measures of the protection for production and recovery of stems in vineyards of the Cluj region. (Rum) Gradina, Via Livada 14(6):28-37, map. July 1965. 80 G75
English summary, p.2 following p.93
- 43404 BURG, S. P., and BURG, E. A. The interaction between auxin and ethylene and its role in plant growth. Nat. Acad. Sci. Proc. 55(2):262-269. Ref. Feb.1966. 500 N21P
- 43405 BURIC, D. Sprouting characteristics and fruit-bearing capacity of barren shoots in some grape varieties. (Se) Savremena Poljoprivreda 13(1):23-36. Jan.1965. 21 P75
English summary.

- 43406 BUTNARU, KH. Quality of pollen of long green-house cucumbers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:299-304. 1965. 20 M857
Viability and morphology.
- 43407 BUTNARU, KH. Use of growth substances for germination of cucumber pollen in artificial nutrient medium. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:305-308. 1965. 20 M857
- 43408 CANHAM, A. E. Plants and light. Sci. Hort. 18:155-160. 1964/65. 84 H78
- 43409 CANTORIA, M., and MABASA, D. B. Studies on the physiology of *Mentha arvensis* L. I. Effect of two different daylengths on the vegetative growth. Plant Cell Physiol. 6(3):561-564. Ref. Sept. 1965. 450 P699
- 43410 CATSKY, J., and SESTAK, Z. Suitable indicators and an altered empirical equation for calculating the CO₂ concentration in colorimetric determinations of photosynthetic rate. Biol. Plant. 8(1):60-72. 1966. 450 B52
- 43411 CHABANNES, J., LUCAS, D., and BARBIER, M. Serious boron deficiency in an orchard of Richared apples on sandy alluvials of Loire. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(13):909-918. Ref. June 13, 1965. 14 P215Bc
- 43412 CHAPMAN, L. S. Example of fertilizer burn. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):99. Jan. 1, 1966. 65.9 Q3C
Chiefly effects on germination.
- 43413 CHATTOPADHYAY, S. B., and GUPTA, C. D. Factors affecting conidial production of *Helminthosporium oryzae*. Indian Phytopathol. 18(2):160-167. 1965. 464.8 In2
- 43414 CHERNOMAZ, P. A., and KABYSH, V. A. Fermentation of corn seeds and planting date. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:47-52. Ref. 1965. 20 M857
Effect of preplanting seed treatment on improved amylase, invertase and germination.
- 43415 CLARKSON, D. T. Calcium uptake by calcicole and calcifuge species in the genus *Agrostis* L. J. Ecol. 53(2):427-435. Ref. July 1965. 450 J829
- 43416 COOPER, W. C. Concepts of tree dormancy, cold hardiness, and freeze injury in relation to citrus. Rio Grande Val. Hort. Soc. J. 19:40-47. Ref. 1965. 81 L95
- 43417 CORBETT, J. R., and MILLER, C. S. The persistence of 2,4-D in cotton when applied with desiccants. Weeds 14(1):34-37. Ref. Jan. 1966. 79.8 W41
- 43418 COUPLAND, R. T., and JOHNSON, R. E. Rooting characteristics of native grassland species in Saskatchewan. J. Ecol. 53(2):475-507, map. Ref. July 1965. 450 J829
Chiefly grasses and sedges, with soil profiles given.
- 43419 COZZANI, C., SACCO, L., and PACETTI, G. Beet emergence tests with an anti-crusting product. (It) Ital. Agr. 102(12):1094-1100. Dec. 1965. 16 It1
Sugar beet growth after use of Geofloc, a product to prevent soil crusting.
- 43420 CSERI, Z. Effect of pH on the growth in submerged culture of some wood-rotting fungi. Acta Microbiol. 12(1):55-58. Ref. 1965. 448.3 Ac84
- 43421 CZIMBER, GY. The hardiness of grains. (Hu) Elovilag 10(2):96-99. 1965. 410 EL6
- 43422 DAS, V. S. R., RAO, J. V. S., and RAO, K. R. Endogenous auxin and its diurnal rhythm in leaves. Indian J. Plant Physiol. 7(1/2):25-29. Ref. 1964. 450 In23
Hibiscus esculentus and *Piper betle*, and indole-3-acetic acid.
- 43423 DAS, V. S. R., and RAJU, P. V. Photosynthetic ¹⁴CO₂ assimilation by rice leaves under the influence of blue light. Indian J. Plant Physiol. 8(1):1-4. 1965. 450 In23
- 43424 DAVIES, A. C. W. The effect of dual purpose powdered seed dressing on the germination of mechanically damaged wheat. Nat. Inst. Agr. Bot. J. 10(2):255-261. 1965. 103 N21J
- 43425 DAWSON, M. J. Effect of seed-soaking on the growth and development of crop plants. I. Finger millet (*Eleusine coracana* Gaertn.). Indian J. Plant Physiol. 8(1):52-56. 1965. 450 In23
- 43426 DESAI, S. H., and PATHAK, C. H. Effects of gibberellic acid on the growth of *Trigonella foenum-graecum* L. Indian J. Plant Physiol. 8(1):57-60. 1965. 450 In23
- 43427 DESHPANDE, K. B., and SARJE, B. D. Carbon metabolism and morphogenesis of *Penicillium frequentans*: glucose consumption. Biol. Plant. 8(1):29-35. Ref. 1966. 450 B52
- 43428 DORESWAMY, R. Growth of shoot apices of *Kalanchoe pinnata* Pers. in vitro. Phytomorphology 15(4):372-374. Ref. Dec. 1965. 450 P566
Effects of growth regulating substances.
- 43429 DOSTAL, R. The reversal of prospective flower buds in horsechestnut [*Aesculus hippocastanum*] to leaf buds by gibberellic acid. Naturwissenschaften 52(19):541-542. Oct. 1, 1965. 474 N213
- 43430 DUMBRE-PATIL, S. S., and KHUSPE, V. S. Effect of varying concentrations of urea sprays for foliar application alone and along with spilt soil application on the growth and yield of unirrigated rabi sorghum. Nagpur Agr. Coll. Mag. 38(3):1-9. 1964/65. 107.5 N132
- 43431 DUNLEAVY, J., KUNKEL, J. F., and HANWAY, J. J. High populations of *Bacillus subtilis* associated with phosphorus toxicity in soybeans. Phytopathology 56(1):83-87. Ref. Jan. 1966. 464.8 P56
Chlorosis and necrosis.
- 43432 DUTTA, A. K., CHONA, B. L., and BAJAJ, B. S. Effect of hexose phosphates and ultraviolet irradiation on perithecial development in *Giomerella tucumanensis*. Indian Phytopathol. 18(3):274-281. Ref. 1965. 464.8 In2
Using sugarcane as a host plant.
- 43433 DVORNIC, V., and GEORGESCU, M. New data on flowering of the Cadarca grape, variety. (Rum) Gradina, Via Livada 14(4):37-43. Apr. 1965. 80 G75
English summary.
Effect of weather.
- 43434 ELK, B. C. M. VAN. Formation of flower buds through spraying. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:150-153. 1965. 86 B65
Influence of N,N-Dimethylamino succinamic acid on *Rhododendron*, *Azalea* and *Hydrangea*.
- 43435 ELLIOT, J. M., and FINN, B. J. The influence of manganese, iron, calcium, phosphorus, and chlorine on the occurrence and chemical composition of grey tobacco in Ontario. Tobacco [New York] 162(10):27-33. Ref. Mar. 11, 1966. 286.89 T552
- 43436 EL'SHUNI, K. A., and KHVOSTOVA, V. V. Development of methods for reduction of harmful effects of ionizing radiation when treating spring wheat seeds. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:277-283. Ref. 1965. 20 M857
Effects on viability.
- 43437 EMTSEV, V. T., SHIL'NIKOVA, V. K., and AGADZHANYAN, K. G. Natural nodulation of broadbeans and beans grown on Chernozem soils in Tula Region and Kamennaya Step'. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:389-394. Ref. 1964. 20 M857
- 43438 ENGEL, K. H. Research on yield formation as basis for plant breeding and cultural methods. (Ge) Bodenkultur 16(3):263-277. Sept. 1965. 19 B635
English summary.
Plant growth.

- ERICKSON, L. C., and YAMASHITA, T. Effect of temperature on the ripening of Hass avocados. Calif. Avocado Soc. Yearbook 48:92-94. 1964, pub. 1965. 81 C128
- ERICKSON, L. C., and KIKUTA, Y. Ripening Hass avocados in high and low humidities. Calif. Avocado Soc. Yearbook 48:90-91. 1964, pub. 1965. 81 C128
- FERAUGE, T., and PICARD, A. Foliar absorption and release of phosphorus by *Trifolium incarnatum* roots. (Fr) Ghent. Landbouwhoges. Mededel. 30(2):873-887. Ref. 1965. 105.1 G344
English summary.
- FILATOV, V. I. Effect of area of nutrition and planting density on growth, development and yields of single grain seeded corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:29-33. 1965. 20 M857
- FILIMONOVA, L. N. Biological peculiarities of development of root system of promising small-seeded varieties of lupine. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:143-148. 1965. 20 M857
- FISCHER, R. A., and HAGAN, R. M. Plant water relations, irrigation management and crop yield. Exp. Agr. 1(3):161-177. Ref. July 1965. 10 Ex72
- FLEMION, F., and BEARDOW, J. Production of peach seedlings from nonchilled seeds. II. Effect of subsequent cold periods on growth. Boyce Thompson Inst. Contrib. 23(4):101-107. Oct./Dec. 1965. 451 B69
- FOMENKO, YU. E. Effect of pruning on development of apple trees in the first year after planting. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:339-347. 1965. 20 M857
- FREDGA, A., and EKSTEDT, G. Studies on synthetic growth substances. XVIII. Resolution and absolute configuration of 3,4,5-trichlorophenoxypropionic acid. Arkiv Kem. 23(2):123-128. Ref. 1965. 385 Ar4
- FRENYO, V. Measurement of plant transpiration. (Hu) Buvar 10(5):310-312. Sept./Oct. 1965. 410 B98
- FRIDVALSZKY, L. The development of pollen. (Hu) Buvar 10(5):297-299. Sept./Oct. 1965. 410 B98
Electron microscopic study.
- FROHNE, D. The rebuilding of the Institute for Pharmacognosy [Institut für Pharmakognosie] of Kiel University. (Ge) Deut. Apoth.-Zeitung 105(52):1822-1824. Dec. 30, 1965. 396.8 Su2
Touches upon work in plant physiology.
- FULTON, J. M., and FINDLAY, W. I. Influence of soil moisture and ambient temperature on nutrient percentage of oat tissue. Can. J. Soil Sci. 46(1):75-81. Ref. Feb. 1966. 56.8 C162
- GANGOPADHYAYA, M., and SARKER, R. P. Influence of rainfall distribution on the yield of wheat crop. Agr. Meteorol. 2(5):331-350. Oct. 1965. 340.8 Ag8
- GARG, O. P., and CHINOY, J. J. Influence of vernalization and photoperiod on elongation of the shoot apex and differentiation of the spike of wheat in relation to stem growth and flowering. Indian J. Plant Physiol. 7(1/2):71-85. Ref. 1964. 450 In23
Includes wheat varieties.
- GERHARDT, B., and TREBST, A. Photosynthetic reactions in lyophilized cells of the blue algae *Anacystis nidulans*. (Ge) Z. Naturforsch. 20b(9):879-885. Ref. Sept. 1965. 474 Z3
English summary.
- GILLET. Research on water requirements of irrigated tropical crops. (Fr) Agron. Trop. [Paris] 20(10):1047-1049. Oct. 1965. 26 Ag86
- GLOGOV, L. Effect of growing conditions on productivity of photosynthesis of varieties and hybrids of corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:21-28. 1965. 20 M857
- GLOYNE, R. W. Some characteristics of the natural wind and their modification by natural and artificial obstructions. Sci. Hort. 18:7-19. Ref. 1964/65. 84 H78
Measurement; includes effects on the plants in Great Britain.
- GLOYNE, R. W. The "standard" climate—its measurement and significance for vegetation. Sci. Hort. 18:137-150. Ref. 1964/65. 84 H78
- GOL'TSBERG, I. A. Thermal conditions for fruit growing on the northern slope of Zailiyski Alatau. (Rus) Vses. Geogr. Obshch. Izv. 97(4):353-358. July/Aug. 1965. 511 L546
Effects of altitude on apple tree.
- GOVINDJEE, and YANG, L. Structure of the red fluorescence band in chloroplasts. J. Gen. Physiol. 49(4):763-780. Ref. Mar. 1966. 447.8 J822
In spinach.
- GRIFFITHS, D. J. The oxidative assimilation of organic substrates by algae. Sci. Progr. [London] 53(212):553-566. Ref. Oct. 1965. 472 Sci22
- GUPTA, P. K. Climacteric rise in respiration of fruits and vegetables. Nagpur Agr. Coll. Mag. 38(4):7-12. Ref. 1964/65. 107.5 N132
- GUSEINOV, B. Z., and DZHAFAROVA, F. S. Effects of petroleum fertilizers on carbohydrate exchange in cotton. (Az) Akad. Nauk Azerb. SSR. Dokl. 22(10):57-60. 1965. 511 Ak147D
Russian summary.
- HAARTMANN, U. VON, KAHLSON, G., and STEINHARDT, C. Histamine formation in germinating seeds. Life Sci. 5(1):1-9. Ref. Jan. 1966. 442.8 L62
Spinach and ten other plants.
- HABER, A. H. Heat inactivation of gibberellic acid sensitivity of lettuce seed germination. Plant Cell Physiol. 6(3):565-569. Sept. 1965. 450 P699
- HACKETT, C. Ecological aspects of the nutrition of *Deschampsia flexuosa* L. Trin. II. J. Ecol. 53(2):315-333. Ref. July 1965. 450 J829
Effects of minerals and pH on the growth of seedlings and established plants.
- HADNAGY, A. Forecasting field germination of pea and onion seeds. (Hu) Kerteszeti Szolesz. 15(1):18-19. Jan. 1966. 80 K474
- HANADA, K. Studies on branching habits in crop plants. 4. On the growth of tillering buds after enlargement of space by thinning in thick-sown rice seedlings. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):217-224. Dec. 1965. 22.5 C88
English summary.
- HANSEN, P. Mineral content of apple leaves. II. Influence of rootstock, scion, year, yield and precipitation. (Da) Tidsskr. Planteavl 69(3):305-313. Ref. 1965. 11 T439
English summary.
- HARA, S. Investigations on the breeding of citrus trees. III. Study on the parthenocarp of kumquat fruits induced by gibberellin treatment. (Ja) Shizuoka, Citrus Exp. Sta. Bull. 5:9-14. Ref. Oct. 1965. 93.33 Sh62B
English summary.
- HARPER, J. L., WILLIAMS, J. T., and SAGAR, G. R. The behaviour of seeds in soil. I. The heterogeneity of soil surfaces and its role in determining the establishment of plants from seed. J. Ecol. 53(2):273-286. July 1965. 450 J829
- HATANO, K. Effect of stratification on the germination, respiration and water uptake of *Pinus koraiensis* seed. Tokyo Univ. Forests. Bull. 60:101-111. Ref. Mar. 1965. 99.9 T57
Effects of cold on *Pinus koraiensis* seed.

- 43473 HAYASHI, T., and SYONO, K. A preliminary report on the production and the release of auxin by plant tissue culture. Tokyo. Univ. Coll. Gen. Educ. Sci. Pap. 15(1):81-85. Ref. June 1965. 330.9 T572
- 43474 HEBER, U. W., and SANTARIUS, R. A. Compartmentation and reduction of pyridine nucleotides in relation to photosynthesis. Biochim. Biophys. Acta 109(2):390-408. Ref. Nov.29, 1965. 381 B522
- 43475 HEFENDEHL, F. W. Readily volatile terpenes and terpene mixtures (ethereal oils) as bearers of allelopathy effects; influence on the root growth of *Lepidium sativum* L. (Ge) Flora [Jena] 156(1):20-32. Ref. Aug.20,1965. 450 F66
- 43476 HEIDE, O. M. Kinin and storage as means of promoting growth of *Begonia* cuttings. (*Begonia x cheimantha*). (No) Gartneryrket 56(5):69-72, 74. Jan.28,1966. 80 G1938
- 43477 HENDERSHOTT, C. H. The effect of iodoacetic acid on citrus fruit abscission. Citrus Veg. Mag. 29(5):18-20. Jan.1966. 80 C498
- 43478 HENKE, O., and SCHMIDT, S. Changes in the growth substance-inhibitor relations in leaves and buds of apple trees. (Ge) Flora [Jena] 156(1):33-42. Ref. Aug.20,1965. 450 F66
English summary.
- 43479 HENKE, O., and SCHALLER, G. The occurrence and importance of plant growth substances. (Ge) Bot. Mar. 8(1):156-167. Ref. May 1965. 450 B6582
English summary.
- 43480 HERTOOGS, M., and WESSELS, J. S. C. Ferredoxin-stimulated photoreduction of 2,4-dinitrophenol with solubilized chlorophyll a. Biochim. Biophys. Acta 109(2):610-613. Nov.29,1965. 381 B522
- 43481 HIGASE, S. Physiological studies on flower formation of tobacco. VI. On the cause of promoting effect of water-logging on the flower formation of tobacco. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):197-203. Ref. Dec.1965. 22.5 C88
English summary.
- 43482 HILLER, R. G., and BASSHAM, J. A. Inhibition of CO₂ fixation by nitrous acid. Biochim. Biophys. Acta 109(2):607-610. Nov.29,1965. 381 B522
Chlorella pyrenoidosa.
- 43483 HILLMAN, W. S. Red light, blue light, and copper ion in the photoperiodic control of flowering in *Lemna perpusilla* 6746. Plant Cell Physiol. 6(3):499-506. Ref. Sept.1965. 450 P699
- 43484 HOARE, D. S., and MOORE, R. B. Photoassimilation of organic compounds by autotrophic blue-green algae. Biochim. Biophys. Acta 109(2):622-625. Ref. Nov.29,1965. 381 B522
- 43485 HOFFMANN, G. M. Heterokaryosis and parasexual processes in *Fusarium oxysporum*. (Ge) Naturwissenschaften 53(2):45-46. Jan.15,1966. 474 N213
- 43486 HORTOBAGYI, T. Relationship between environmental factors and plant breeding. (Hu) Elovilag 10(2):73-92. 1965. 410 EL6
- 43487 IGNAT'EVA, I. P. Concerning causes of degeneration of certain ornamental grassy perennials. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:511-513. 1965. 20 M857
- 43488 IM, H. B., and IM, U. K. Effects of gibberellin on calcium and ascorbic acid contents of leaf lettuce. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:132-138. Ref. May 1965. 442.9 So84
English summary.
- 43489 IS THE Cactus blooming? Or have you neglected the rest period. (No) Norsk Hagetid. 81(11/12):222-224. Nov./Dec.1965. 80 N81
- 43490 ISHEVSKAYA, I. M. Effect of prolonged use of superphosphates on yields and chemical content of corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:53-60. 1965. 20 M857
- 43491 ISHIHARA, A. On growth and organ formation of callus tissue in vitro originated from carrot roots. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):225-233. Ref. Dec.1965. 22.5 C88
English summary.
- 43492 JACOBI, G. The influence of X-rays on chloroplast reactions and the protective effect of ascorbate. (Ge) Z. Naturforsch. 20b(9):911-914. Ref. Sept.1965. 474 Z3
English summary.
- 43493 JADAS-HECART, J. Definition and significance of precocity in forage grasses. (Fr) Fourrages 23:5-21. Sept.1965. 60.8 F82
English summary, p.161.
- 43494 JAHN-DEESBACH, W., and WEIPERT, D. Improving the quality of bread wheat by nitrogen manuring, and methods of quality determination. (Ge) Z. Acker- Pflanzenbau 123(2):189-197. Jan.1966. 18 J825
English summary.
- 43495 JESZENSZKY, A. Germination study of seeds. (Hu) Kerteszeti Szulesz. 15(1):14. Jan.1966. 80 K474
- 43496 JOHRI, B. M., and BAJAJ, Y. P. S. Growth responses of globular proembryos of *Dendrophthoe falcata* (L.f) Ettings. in culture. Phytomorphology 15(3):292-300. Ref. Sept.1965. 450 P566
The effects of nutrient solutions.
- 43497 KABYSH, V. A. Speed of water absorption by corn seeds and rate of their germination depending on the preplanting treatment, temperature and degree of moistening of the planting bed. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:39-45. 1965. 20 M857
- 43498 KAKDE, J. R. Ghee (clarified butter) and honey as plant growth regulators in Sanskrit literature. Nagpur Agr. Coll. Mag. 38(4):26-27. 1964/65. 107.5 N132
- 43499 KAMYNNINA, L. M. Peculiarities of nutrition and fertilization of Jerusalem artichokes. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:319-321. 1964. 20 M857
- 43500 KAPPEN, L. Investigations on the resistance of gametophytes of native Polypodiaceae toward frost, heat, and drought. (Ge) Flora [Jena] 156(1):101-115. Ref. Aug.20,1965. 450 F66
- 43501 KARPENKO, P. V., and YAREMENKO, I. K. The effect of minor elements fertilizers on the quality of sugar beets under different methods of their application. (Rus) Khim. Sel'skom Khoz. 3(12):8-11. Ref. Dec.1965. 385 K524
- 43502 KAUSHIK, M. P. Exact substitution of leaf blade by beta-indolylacetic acid with respect to the retardation of abscission of debladed petioles of *Coleus blumei* Benth. Indian J. Plant Physiol. 8(1):23-35. Ref. 1965. 450 In23
- 43503 KAUSHIK, M. P. Isolation of the time of action of indoleacetic acid on the retardation of abscission of debladed petioles of *Coleus*. Indian J. Plant Physiol. 7(1/2):48-56. Ref. 1964. 450 In23
- 43504 KE, B., and NGO, E. Light-induced rapid absorption changes during photosynthesis. VI. Complex reactions in some blue-green algae. Biochim. Biophys. Acta 109(2):431-447. Ref. Nov.29,1965. 381 B522
- 43505 KHAVKIN, E. E. General characteristic of nitrogen metabolism in leaves of legumes during the growth of plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:367-374. Ref. 1964. 20 M857
- 43506 KHOT, B. D., and YAWALKAR, K. S. Studies in the growth and growth analysis of summer squash [*Cucurbita pepo*, L.]. Nagpur Agr. Coll. Mag. 38(4):42-47. 1964/65. 107.5 N132
- 43507 KISELEVA, I. A. Effect of prolonged use of fertilizers in crop rotation on technological qualities of winter rye grain. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:171-177. 1965. 20 M857

- 43508 KISHIMOTO, U., and TAZAWA, M. Ionic composition and electric response of *Lamprothamnium succinctum*. *Plant Cell Physiol.* 6(3): 529-536. Ref. Sept.1965. 450 P699
- 43509 KITAMURA, K., and others. Effects of pH values on the growth of some soil improving trees (*Alnus*, *Casuarina*, *Elaeagnus* and *Acacia*) in water culture. (Ja) *Jap. Forest Exp. Sta. Bull.* 173:117-132. Ref. Feb.1965. 99.8 R47
M. Iwakawa, T. Hara, and S. Uemura, joint authors.
English summary.
- 43510 KIVI, E. I. The response of certain pre-harvesting climatic factors on sensitivity to sprouting in the ear of two-row barley. *Suomen Maataloustieteellinen Seura, Julkaisu* 107: 228-246. Ref. 1965. 20 Su7
- 43511 KOCHETKOVA, V. A. Growth of roots depends on rootstock and variety of fruit. (Rus) *Sadovodstvo* 2:16-17. Feb.1966. 80 Sa13
Pear.
- 43512 KOK, B., RURAINSKI, H. J., and OWENS, O. V. H. The reducing power generated in photoact I of photosynthesis. *Biochim. Biophys. Acta* 109(2):347-356. Ref. Nov.29,1965. 381 B522
- 43513 KONAKAHARA, M., and others. Studies on the protection from the cold wind damage to citrus trees. 2. Studies on the effect of wind and soil temperature to the transpiration and the leaf water-content of the Satsuma orange. (Ja) *Shizuoka. Citrus Exp. Sta. Bull.* 5:19-30. Ref. Oct.1965. 93.33 Sh62B
T. Taniguchi, I. Iguchi, and S. Kubo, joint authors.
English summary.
- 43514 KONAR, R. N., and NATARAJA, K. Production of embryoids from the anthers of *Ranunculus sceleratus* L. *Phytomorphology* 15(3):245-248. Sept.1965. 450 P566
Effects of growth substances.
- 43515 KONOVALOV, YU. B., and SLUCHEVSKAYA, L. F. Change in the weight of grains and germs as they develop in different parts of wheat spike. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:235-243. 1965. 20 M857
- 43516 KONOVALOV, YU. B., and UDALOVA, V. A. Growth vigor of seeds from different parts of spike. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:229-233. 1965. 20 M857
Grain.
- 43517 KOPECKY, L., and SLAMA, J. New means for the increased yields and quality of wheat. (Cz) *Za Vysokou Urodu* 13(6):206-208. May, 4, 1965. 64.8 Z12
CCC as fertilizer.
- 43518 KOREGAVE, B. A., and BABRIWALA, G. T. The effect of sulphate of ammonia and cake in different ratios at different levels of compost on the growth and yield of sugarcane. *Nagpur Agr. Coll. Mag.* 38(3):32-36. 1964/65. 107.5 N132
- 43519 KORTE, W. Taxation of irrigation use during the growing season. (Ge) (Extr.) *Mitt. Deut. Landwirt.-Ges.* 81(9):325-326,328. Mar.3,1966. 18 N39
Plant water relations study to determine irrigation requirements.
- 43520 KOTASTHANE, W. V., PADHYA, A. C., and PATEL, M. K. Utilization of amino acids as sole source of carbon and nitrogen by some *Xanthomonads*. *Indian Phytopathol.* 18(2):154-159. Ref. 1965. 464.8 In2
- 43521 KRETSCHMER, G. The torso method, a direct rapid process for frost-resistance test with grain. 11 p. *Transl.* 15771
Wheat.
Translation from *Zuchter* 30:251-254. 1960.
- 43522 KRYLOV, S. V., AGRAFENINA, V. I., and MALOVA, L. V. Behavior of spring wheat seeds, of the Moskovka variety, in frozen soil under winter planting. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:157-162. 1965. 20 M857
Germination.
- 43523 KRYLOV, S. V., and BARANOVA, N. D. Effect of vernalization of pelleted seeds on growth and development of carrot sprouts. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:309-312. 1965. 20 M857
- 43524 KUKKONEN, I. Preservation and germination experiments with some *Anthracoidea* spores. *Ann. Bot. Fenn.* 2(1):113-126. Ref. 1965. 450 An79
Smut fungi mainly parasitizing *Carex* spp., physiology and morphology.
- 43525 KURDINA, V. N., KRYLOV, S. V., and ARTYUKHOVA, F. T. Effect of winter planting on physical properties, chemical composition and technological qualities of grain of spring wheat of the Moskovka variety. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:163-169. 1965. 20 M857
- 43526 LABOURIAU, L. G., and others. Note on the nocturnal stomatal opening in plants of the "Cerrado." (Por) *Acad. Brasil. Cienc. An.* 36(4):465-477. Ref. Dec.31,1964. 516 R473A
I. F. M. Valio, A. C. Magalhaes, and C. M. Franco, joint authors.
English summary.
In relation to their water balance and metabolism.
- 43527 LABOURIAU, L. G., VALIO, I. F. M., and HERRINGER, E. P. On the mode of reproduction of plants of the "Cerrado." I. (Por) *Acad. Brasil. Cienc. An.* 36(4):449-464. Ref. Dec.31, 1964. 516 R473A
English summary.
A survey of vegetative versus seed reproduction.
- 43528 LAGARDE, J. Influence of the dormant state and temperature on the plagiotropisme of some ramifications produced in darkness by the tubercle of artichoke betony of Japan (*Stachys sieboldii*). (Fr) *Acad. Sci. Comp. Rend.* 261 (3):781-783. July 19,1965. 505 P21
- 43529 LAKE, J. V. Plants and temperature. *Sci. Hort.* 18:161-166. Ref. 1964/65. 84 H78
- 43530 LATIF, S. M. Growth and flowering of *Grammatophyllum speciosum* Bl. (Du) *Orchideeen (n.s.)* 27(3):58-59. June 1965. 80 Or182
- 43531 LATZKO, E. The action of potassium in plant respiration. (Ge) *Z. Pflanzenernahr. Dungung, Bodenk.* 111(2):114-122. Ref. Nov.1965. 384 Z343A
English summary, p.VI.
Barley.
- 43532 LEAPHART, C. D., and WICKER, E. F. Explanation of pole blight from responses of seedlings grown in modified environments. *Can. J. Bot.* 44(2):121-137. Ref. Feb.1966. 470 C16C
Coniferae; probably a physiological disease, caused by environment and climate, in Idaho.
- 43533 LEE, E. W. Effects of spacings on yield and composition of rice when different fertilizers were used. (Ko) *Seoul Univ. J. Biol. Agr. Ser. (B)* 16:35-54. Ref. May 1965. 442.9 So84
English summary.
- 43534 LETEY, J., RICHARDSON, W. F., and VALORAS, N. Barley growth, water use, and mineral composition as influenced by oxygen exclusion from specific regions of the root system. *Agron. J.* 57(6):629-631. Nov./Dec.1965. 4 Am34P
- 43535 LI, Y. Y. A report on the study of ways for breaking dormancy of the seeds of radish and edible rape. *Newslett. Seeds Mon.* 1(9):9-12,4. Nov.1965. 61.8 C47

- 43536 LIBATSKII, E. P. Preplanting treatment of hop seeds for the purpose of acceleration of selection work. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:389-395. 1965. 20 M857
Effect on germination.
- 43537 LIDER, J. V. Some responses of grapevines to treatment for frost in Napa Valley. Amer. J. Enol. Viticult. 16(4):231-236. Oct./Dec.1965. 390.9 Am33
Pruning.
- 43538 LINSER, H., and KUKN, H. CCC effects on summer barley. (Ge) Mitt. Deut. Landwirt.-Ges. 81(3):80,82. Jan.20,1966. 18 N39
Lodging control.
- 43539 LINT, H. VAN. Bud formation of Rhododendron. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:76-77. 1965. 86 B65
Effects of fertilizing.
- 43540 LOACH, P. A. Primary oxidation-reduction changes during photosynthesis in *Rhodospirillum rubrum*. Biochemistry 5(2):592-600. Ref. Feb.1966. 381 B523
- 43541 LOOSE, R. DE. Radiosensitivity of melle-pasture type perennial ryegrass seeds (*Lolium perenne*) at different moisture levels in relation to wavelength and with or without a pre-germination storage period. Radiat. Bot. 6(1):1-6. Feb.1966. 450 R11
Seeds treated with X-rays and Co60 gamma rays.
- 43542 LOPATNIK, J., and RUCKA, M. The effect of irrigation on the uptake of nutrients and yield of sugar beets. (Cz) Agrochemia [Bratislava] 5(6):167-170. 1965. 385 Ag88
English summary.
- 43543 LORENZEN, H. Synchronization of *Chlorella* [pyrenoidosa] with light-dark changes and periodical dilution of the populations to a standard cell number. In Zeuthen, E., ed. Synchrony in cell division and growth, p.571-578. Ref. 1964. 442 Z5
- 43544 L'VOVA, L. S. Toxicity of certain molds causing "sluggish" molding of seeds. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:471-475. Ref. 1965. 20 M857
Aspergillus, *Penicillium* and *Alternaria* of stored sorghum and their toxic effect on seeds, inhibiting germination.
- 43545 MADGWICK, H. A. I. The weights and nutrient compositions of understorey species in an ash-wood. J. Ecol. 53(2):335-341. Ref. July 1965. 450 J829
Fraxinus excelsior.
- 43546 MAHESHWARI, S. C., and BHALLA, P. R. Two new oat varieties for auxin bioassay. Indian J. Plant Physiol. 7(1/2):116-126. 1964. 450 In23
Seed treatment.
- 43547 MALONEY, T. E. Detergent phosphorus effect on algae. Water Pollut. Contr. Fed. J. 38(1):38-45. Ref. Jan.1966. 293.8 Se8
- 43548 MANNER, R. Sterility in the first generation after gamma ray treatment; studies on alsike and red clover. Suomen Maataloustieteellinen Seura. Julkaisu 107:171-174. 1965. 20 Su7
- 43549 MAREK, N., and others. Studies on the redox potential in algal cultures. Acta Biol. 16(4):319-325. Ref. 1966. 475 Ac85
M. Sipos, J. K. Stur, J. Szarvas, and A. Kramli, joint authors.
- 43550 MAROTI, M. Limits of growth in isolated tobacco tissues. Acta Biol. 16(4):369-382. Ref. 1966. 475 Ac85
- 43551 MARSCHNER, H., SAXENA, M. C., and MICHAEL, G. Phosphate uptake of barley seedlings as affected by the osmotic pressure of the uptake solution. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(2):82-94. Ref. Nov.1965. 384 Z343A
English summary, p.V.
- 43552 MARX, D. H., HAASIS, A., and NELSON, R. R. Failure of metabolic diffusates to induce oospore formation in *Phytophthora cinnamomi*. Elisha Mitchell Sci. Soc. J. 81(2):75-76. Nov. 1965. 500 EL4
- 43553 MATSUMATO, K. Studies on granulation of late-maturing oranges, especially as exemplified in the Sanboku variety. (Ja) Ehime Univ. Mem. Sect. VI, Agr. 10(2):585-645. Ref. Dec. 1964. 107.6 Eh33
English summary.
- 43554 MATSUURA, K. A new method for obtaining synchronous spores of fungi on sponge matrix. Takeda Chem. Indus. Res. Lab. Annu. Rep. 24:266-272. Ref. Nov.1965. 396.8 T13
Piricularia oryzae.
- 43555 MCONIE, K. C., and SNYDER, W. C. Nutrient depletion and the production of perithecia by *Gnomonia fructicola*. Can. J. Bot. 44(2):149-154. Feb.1966. 470 C16C
Using glucose media.
- 43556 MENSER, H. A. Research note No. 1. Response to ozone of five flue-cured tobacco varieties. Tobacco [New York] 162(9):31-33. Mar.4,1966. 286.89 T552
- 43557 MERIAUX, S. Reaction of *Dactylis* to climatic factors in relation to water deficit in soil and to nitrogen fertilization. (Fr) Fourrages 21:33-43. Mar.1965. 60.8 F82
English summary, p.107-108.
- 43558 MEYER, F. H. Frost dryness in conifers. (Ge) Deut. Bot. Ges. Ber. 78(5):193-202. Ref. 1965. 451 D48
Transpiration studies.
- 43559 MICHAEL, G., SCHUMACHER, H., and MARSCHNER, H. The assimilation of ammonium and nitrate nitrogen from labelled ammonium nitrate and their distribution in the plant. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 110(3):225-238. Ref. Sept.1965. 384 Z343A
English summary, p.IX.
- 43560 MILLER, G. W., and HSU, W. J. Effects of carbon dioxide-bicarbonate mixtures on oxidative phosphorylation by cauliflower mitochondria. Biochem. J. 97(3):615-619. Ref. Dec. 1965. 382 B52
- 43561 MILLER, P. M. Influence of chemical treatments used at planting time and plastic mulches on growth of new apple trees. Plant Dis. Rep. 50(3):201-205. Mar.1966. 1.9 P69P
- 43562 MILLIKAN, C. R., and HANGER, B. C. Effects of chelation and of various cations on the mobility of foliar-applied ⁶⁵Zn in subterranean clover. Australian J. Biol. Sci. 18(5):953-957. Ref. Oct.1965. 442.8 Au72
- 43563 MILOVANKIC, M. The effect of different temperatures on the flowering of pears in relation to the process of their flower bud formation in the Skopsko Polje plain. (Se) Savremena Poljoprivreda 13(4):317-332. Apr.1965. 21 P75
English summary.
- 43564 MISRA, A. P., and THAKUR, D. P. Nutritional requirement of *Gloeosporium musarum*. Indian Phytopathol. 18(2):116-122. Ref. 1965. 464.8 In2
Effects of carbon and nutrient solutions on the growth of the fungus.
- 43565 MOHR, H., SCHLICKWEI, I., and LANGE, H. Inhibition of the phytochrome induced cotyledon growth with actinomycin D. (Ge) Z. Naturforsch. 20b(8):819-821. Ref. Aug.1965. 474 Z3
Sinapis alba.
- 43566 MOISEICHENKO, V. F. Assimilation of nutritional substances. (Rus) Sadovodstvo 2:18-19. Feb.1966. 80 Sa13
Apples.
- 43567 MOLCHAN, I. M. Physiological differences in generative organs of rye and wheat. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:217-224. Ref. 1965. 20 M857

- 43568 MOLLE, K. G. The influence of seed treatment with gamma radiation on plant yield. *Int. J. Appl. Radiat. Isotopes* 16(7):397-404. Ref. July 1965. 334.8 In84
Field crops tested.
- 43569 MONTEITH, J. L. Radiation and crops. *Exp. Agr.* 1(4):241-251. Ref. Oct.1965. 10 Ex72
Solar radiation.
- 43570 MOULE, C. Behavior of annual forage plants in 1964. (Fr) *Fourrages* 21:10-32. Mar.1965. 60.8 F82
English summary, p.107.
Growth and yields as affected by drought.
- 43571 MOWAT, J. A. A survey of results on the occurrence of auxins and gibberellins in algae. *Bot. Mar.* 8(1):149-155. Ref. May 1965. 450 B6582
- 43572 MOZHAEVA, K. A. Yields and chemical composition of potatoes of the Priekul'skii Rannii variety growing under various mineral nutrition conditions and in the first year of its aftereffect. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:77-83. 1965. 20 M857
- 43573 MUEGGLER, W. F. Herbicide treatment of browse on a big-game winter range in northern Idaho. *J. Wildlife Manage.* 30(1):141-151. Jan. 1966. 410 J827
- 43574 MUKHERJEE, R. K., and DATTA, C. Gibberellic acid and crop plants. I. Effects of gibberellic acid on growth of jute (*Corchorus olitorius* L.). *Indian J. Plant Physiol.* 7(1/2):102-115. Ref. 1964. 450 In23
Seeds; includes metabolism and yield.
- 43575 MUKULA, J., TEITTINEN, P., and LAAKSONHEIMO, J. Chlorocholine chloride (CCC) for prevention of lodging of wheat in Finland. I. Experiments in 1963-64. *Suomen Maataloustieteellinen Seura. Julkaisu* 107:103-124. Ref. 1965. 20 Su7
- 43576 MURATA, Y., IYAMA, J., and HONMA, T. Studies on the photosynthesis of forage crops. IV. Influence of air-temperature upon the photosynthesis and respiration of alfalfa and several southern type forage crops. *Crop Sci. Soc. Japan. Proc.* 34(2):154-158. Dec.1965. 22.5 C88
- 43577 MURATA, Y., IYAMA, J., and HONMA, T. Studies on the photosynthesis of rice plants. XIII. On the interrelationships between photosynthetic activity of the leaf and physiological activity of the root. *Crop Sci. Soc. Japan. Proc.* 34(2):148-153. Dec.1965. 22.5 C88
- 43578 MURAVIN, E. A., SOBACHKIN, A. A., and TOVMASYAN, G. A. Study of nitrogen reduction by higher plants. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:357-382. Ref. 1964. 20 M857
Broadbeans and cauliflowers.
- 43579 MURSALOV, M. K. Growth of quince roots in Dagestan. (Rus) *Sadovodstvo* 2:14. Feb.1966. 80 Sa13
- 43580 EL NADI, A. H., and HUDSON, J. P. Effects of crop height on evaporation from lucerne and wheat grown in lysimeters under advective conditions in the Sudan. *Exp. Agr.* 1(4):289-298. Ref. Oct.1965. 10 Ex72
- 43581 NAGUIB, M. I., and SALAMA, A. M. Effect of colchicine on the mycelial weight and the nitrogen and phosphorus contents of the mycelium of *Cunninghamella* sp. *Can. J. Microbiol.* 12(1):91-97. Ref. Feb.1966. 448.8 C162
- 43582 NAGY, J. Phenological examination of peas as a function of the sums of temperature. (Hu) *Novenytermeles* 14(4):337-344. Ref. Dec.1965. 64.8 N76
English summary.
- 43583 NAKASHIMA, H. Further studies on the action of free amino acids on flowering of duckweed, *Lemna gibba* G3. *Plant Cell Physiol.* 6(3):441-452. Ref. Sept.1965. 450 P699
- 43584 NAKAYAMA, A., and SANAI, H. The effect of growth regulators on development and growth of tea bud. 1. Retardation of growth by some chemicals. (Ja) *Jap. Tea Res. Sta. Stud. Tea* 31:23-38. Ref. Nov.1965. 68.18 Ok3
English summary.
- 43585 NATR, L. Photosynthesis and the formation of yields. (Cz) *Za Vysokou Urodu* 13(5):177. May 4, 1965. 64.8 Z12
Wheat.
- 43586 NEHEZ, R. Contribution to the knowledge of physiological- and phytopathological processes in the course of heat treatment of seed onion and yellow dwarf of onions. (Hu) *Novenytermeles* 14(4):345-356. Ref. Dec.1965. 64.8 N76
English summary.
- 43587 NEUMANN, J., and JAGENDORF, A. Uncoupling photophosphorylation by detergent. *Biochim. Biophys. Acta* 109(2):382-389. Ref. Nov.29, 1965. 381 B522
Spinach chloroplasts.
- 43588 NEWHALL, W. F., and PIERINGER, A. P. Derivatives of (+)-limonene: quaternary ammonium compounds that retard plant growth. *J. Agr. Food Chem.* 14(1):23-27. Ref. Jan./Feb. 1966. 381 J8223
Tested on bean seedlings.
- 43589 NIELSEN, J. Changes in germination type in some *Ustilago* species caused by an unidentified volatile substance. *Can. J. Bot.* 44(2):163-170. Ref. Feb.1966. 470 C16C
Unidentified volatile substance released by smut fungi.
- 43590 NORTHWOOD, P. J. Some observations on flowering and fruit-setting in the cashew *Anacardium occidentale* L. *Trop. Agr. [St. Augustine]* 43(1):35-42. Ref. Jan.1966. 26 T754
- 43591 NURMAGAMBETOV, K. O. Methods for enriching plants with minor elements. (Rus) *Akad. Nauk Kaz. SSR. Vestnik* 1:87-88. 1966. 511 AL6
- 43592 ODUM, S. Germination of ancient seeds; floristical observations and experiments with archaeologically dated soil samples. *Dansk Bot. Arkiv* 24(2), 70 p., map. Ref. 1965. 450 D23
- 43593 OKAZOV, P. N., and CHIRKOVSKII, V. I. Resistance of tobacco seeds to high temperature. (Rus) *Tabak* 4:27-29. 1965. 69.8 T112
Treatment for better yielding.
- 43594 OOTA, Y. Effects of growth substances on frond and flower production in *Lemna gibba* G3. *Plant Cell Physiol.* 6(3):547-559. Ref. Sept. 1965. 450 P699
- 43595 ORKO, A., KERANEN, A. J. A., and TIKKA, J. The influence of enzymatic activity in grain, induced by germination in the field, on the properties of barley. (Fi) *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 37(4):255-263. Ref. 1965. 20 Su7M
English summary.
- 43596 OYDVIN, J. Salts on plants. (No) *Norsk Hagetid.* 82(8):63. Mar.1966. 80 N81
Injuries.
- 43597 PALMER, J. H. Re-examination of the effect of daily rotation in the horizontal plane on growth of *Cyclamen* plants and etiolated *Avena* seedlings. *Nature [London]* 209(5023):631-632. Feb. 5, 1966. 472 N21
- 43598 PANINA, V. F. Indices of agrometeorological conditions in relation to formation of pea yields. (Rus) *Meteorol. Gidrol.* 2:27-29. Feb. 1965. 345 M56
- 43599 PARAVYAN, A. V., and UGRENKOV, O. A. Improving quality of unripe nightshade seeds. (Rus) *Akad. Nauk Kaz. SSR. Vestnik* 12:72-74. 1965. 511 AL6
Treatment of *Solanum* seeds by Niacin for better growing.

- 43600 PARKER, C. A., and OAKLEY, A. E. Reduced nodulation of lupins and serradella due to lime pelleting. *Australian J. Exp. Agr. Anim. Husb.* 5(17):144-146. Ref. May 1965. 23 Au792
Inoculated seed pelleted with lime (calcium carbonate).
- 43601 PATUTINA, L. G. Concerning diagnosis of mineral nutrition of year-old apple seedlings. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad.* K. A. Timiryazeva. Dokl. 102:349-354. 1965. 20 M857
- 43602 PEMERBURGSKII, A. V. Kak i chem pitayutsya rasteniya [Plant nutrition]. Moskva, Nauka, 1964. 183 p. QK867.P4
- 43603 PERRAUDIN, G. Resistance to spring frost of some species and varieties of fruit. (Fr) *Agr. Romande (ser.A)4(10):70-73.* Oct.1965. 17 Ag8
- 43604 PETERBURGSKII, A. V., and KARAMEETE, K. I. Effects of mineral fertilizers and minor elements on yields and quality of corn in connection with application of petroleum growth substances. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad.* K. A. Timiryazeva. Dokl. 99:239-247. 1964. 20 M857
Seed treatment.
- 43605 PETTIBONE, C. A. Some effects of gas-plasma radiation on seeds. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):319-321,323. Ref. 1965. 290.9 Am32T
- 43606 PFAU. Weather and plant development during the 1965 vegetation period. (Ge) *Chem. Tech. Landwirt.* 16(10):328-330,332. (Cont.) Oct. 1965. 384 C4292
- 43607 PFAU. Weather and plant development during the 1965 vegetation period. (Ge) *Chem. Tech. Landwirt.* 16(11):369-372. (Concl.) Nov.1965. 384 C4292
- 43608 PHATAK, S. C., and others. Gibberellin-induced anther and pollen development in a stamen-less tomato mutant. *Nature [London]* 209 (5023):635-636. Ref. Feb.5,1966. 472 N21
S. H. Wittwer, S. Honma, and M. J. Bukovac, joint authors.
- 43609 PICKENS, A. L. Eighth semidecadal ornithophilic census: color patterns in cross-pollination. *Elisha Mitchell Sci. Soc. J.* 81(2):92. Nov.1965. 500 EL4
Bird pollinators.
- 43610 PIERIK, R. L. M. The induction and initiation of flowerbuds in vitro in tissues of *Lunaria annua* L. *Naturwissenschaften* 53(2):45. Jan.15,1966. 474 N213
- 43611 PINTHUS, M. J., and HALEVY, A. H. Prevention of lodging and increase in yield of wheat treated with CCC(2-chloroethyl trimethylammonium chloride). *Israel J. Agr. Res.* 15(3):159-161. July 1965. 107 J552
- 43612 PITMAN, M. G. Transpiration and the selective uptake of potassium by barley seedlings (*Hordeum vulgare* cv. Bolivia). *Australian J. Biol. Sci.* 18(5):987-998. Ref. Oct.1965. 442.8 Au72
- 43613 PLANCQUAERT, P. Variations in the date of shoot development and heading stage in different species and varieties of forage grasses. (Fr) *Fourrages* 23:22-42, map. Sept.1965. 60.8 F82
English summary, p.172.
- 43614 POLL, L. Investigations on shoot-growth of maiden apple trees. (Da) *Horticultura* 20(2):21-26. Ref. Feb.1966. 80 H7825
English summary.
- 43615 POLYANSKAYA, L. A. Effect of thiamine on assimilation of nitrogen and phosphorus by cotton. (Rus) *Khlopkovodstvo* 1:47-48. Jan. 1966. 72.8 K522
- 43616 POTAPOV, S. P. Winterhardiness of apples in southern part of Moscow area. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad.* K. A. Timiryazeva. Dokl. 102:325-331. 1965. 20 M857
Includes hardy varieties.
- 43617 POTOKER, A. B. Calculation of moisture supply from precipitation for corn planted as catch crop in southern Ukraine. (Rus) *Meteorol. Gidrol.* 6:31-33. June 1965. 345 M56
- 43618 RADECKE, H. R. Contributions to the developmental physiology and biochemistry of seeds. II. The acid metabolism of fruits of *Tilia cordata* Mill. during ripening, stratification, and germination. (Ge) *Flora [Jena]* 156(1):76-100. Ref. Aug.20,1965. 450 F66
- 43619 RAMPTON, H. H. Time isolation as a safeguard to varietal purity in perennial ryegrass, [*Lolium perenne*], and annual ryegrass [*Lolium multiflorum*], and orchardgrass [*Dactylis glomerata*], Corvallis, Oreg. *Oreg. Agr. Exp. Sta. Circ. Inform.* 623,12 p. Mar.1966. 100 Or3C
Flowering dates.
- 43620 RAO, M. S. S., and JHA, K. K. A new disease of paddy in Bihar. *Indian J. Plant Physiol.* 8 (1):50-51. 1965. 450 In23
Possible sulfide toxicity of rice.
- 43621 RASMUSSEN, P. M. Spraying with calcium against bitter pit. (Da) *Tidsskr. Planteavl* 69 (3):374-376. 1965. 11 T439
English summary.
Apples.
- 43622 REEVE, W., MUTCHLER, J. P., and LIOTTA, C. L. The reaction of chloral with halobenzenes and with 2,4-dichlorophenol with halobenzenes and with 2,4-dichlorophenol. Synthesis of halogenated ethylbenzenes and of alpha-methoxyphenylacetic acids. *Can. J. Chem.* 44 (5):575-582. Ref. Mar.1,1966. 470 C16B
Physiological activity of 3,5-dichloro-alpha, 2-dimethoxyphenylacetic acid tested on beans.
- 43623 RENAUD, P. Aspects of the hardiness of the olive. (Sp) *Bol. Oleicult. Int.* 88:13-17. Nov./Dec.1965. 307.8 B63
- 43624 REPP, G. Comparative ecological research on crops in the W.I.G. [Vienna International Horticultural Show, Wiener Internationalen Gartenbauausstellung] tower greenhouse. (Ge) *Bodenkultur* 16(3):216-222. Sept.1965. 19 B635
English summary.
Water relations.
- 43625 RIGAUD, J., and BULARD, C. The presence of indole-3-aldehyde and indole-3-carboxylic acid in *Rhizobium* culture media. (Fr) *Acad. Sci. Compt. Rend.* 261(3):784-786. Ref. July 19, 1965. 505 P21
- 43626 ROBERTS, H. M. The effect of defoliation on the seed-producing capacity of bred varieties of grasses. III. Varieties of perennial ryegrass, cocksfoot, meadow fescue and Timothy. *Brit. Grassland Soc. J.* 20(4):283-289. Ref. Dec. 1965. 60.19 B773
Effects of cutting and grazing.
- 43627 ROBERTS, L. W., BABA, S., and FOSKET, D. E. The effect of helminthosporol on xylogenesis under in vitro conditions. *Plant Cell Physiol.* 6(3):579-580. Sept.1965. 450 P699
From *Helminthosporium sativum*, as a plant growth regulator.
- 43628 RUDENKO, I. S. Formation of flower buds by quinces. (Rus) *Sadovodstvo* 2:32. Feb.1966. 80 Sa13
Effects of temperature.
- 43629 RYDING, W. W. Trace elements essential for good plant growth. *Rhodesian Tobacco J.* 17 (12):29-30. Dec.1965. 69.8 R34
- 43630 SARIC, I., KASTORI, R., and PETROVIC, M. Effect of the lack of some nutrients on the growth and composition of young corn. (Se) *Savremena Poljoprivreda* 13(1):3-14. Jan.1965. 21 P75
English summary.
- 43631 SARISALO, M. Pollination studies on red clover at the Department of Plant Husbandry in 1944-1965. (Fi) *Suomen Maataloustieteellinen Seura. Julkaisu* 107:125-138. Ref. 1965. 20 Su7
English summary.

- 43632 SCHAEVERBEKE, J. Demonstrating by labeling with C^{14} a selective penetration of saccharose into the staminal fibres of Gramineae during anthesis. (Fr) Acad. Sci. Compt. Rend. 261(4):1081-1084. July 26, 1965. 505 P21
- 43633 SCHWEMMLE, J. On the variable effect of very similar genetic complexes of *Oenothera* on the germination of their seeds. (Ge) Flora [Jena] 156(1):43-62. Aug. 20, 1965. 450 F66
- 43634 SEN, P. K., SEN, S., and BASU, R. N. Studies on rooting of cuttings. V. Effects of auxins and organic nutrients on rooting of cuttings of *Justicia gendarussa*, Linn. taken from stock plants grown under varying levels of nitrogen. Indian J. Plant Physiol. 8(1):36-49. Ref. 1965. 450 In23
Naphthaleneacetic acid and indolebutyric acid.
- 43635 SERRANO, L. L., and HURTADO, E. A. A test on the response of tobacco to gibberellic acid. Philippine Tobacco Rev. 2(2):32-33, 31. Apr./Oct. 1965. 286.89 P53
- 43636 SETHURAJ, M. R. Differential response of two varieties of cowpea (*Vigna sinensis* Endl.) to GA [gibberellic acid] and IAA [indoleacetic acid]. Cur. Sci. 34(21):615-616. Nov. 5, 1965. 475 Sci23
- 43637 SHAROUBEEM, H. H., and MILAD, N. E. Effect of rare earth elements from monazite on growth-vigor and chemical compositions of *Phaseolus vulgaris*. Soil Sci. 101(2):130-134. Ref. Feb. 1966. 56.8 So3
- 43638 SHERWOOD, W. A. Evidence indicative of a sexual hormone in *Dictyuchus*, a genus of the aquatic fungi. Elisha Mitchell Sci. Soc. J. 81(2):75. Nov. 1965. 500 EL4
- 43639 SIMANCIK, F. Seed germination of some conifers and its relation to the rate of seed sinking in water. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(1):61-70. Jan. 1965. 99.9 C334
English summary.
- 43640 SINGH, P. Studies on the stimulation of conidial germination in *Colletotrichum falcatum*. Indian Phytopathol. 18(3):291-302. Ref. 1965. 464.8 In2
- 43641 SINGH, R. N., MAJUMDER, P. K., and SHARMA, D. K. Studies on the bearing behaviour of some South Indian varieties of mango (*Mangifera indica* L.) under North Indian conditions. Trop. Agr. [St. Augustine] 42(2):171-174. Apr. 1965. 26 T754
- 43642 SINITSYN, N. V. Effect of sewage waters on protein-mineral composition of forage crops. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:289-291. 1965. 20 M857
Used in irrigation.
- 43643 SIROTENKO, O. D. Agroclimatic calculations based on the correlation-statistical relations. (Rus) Meteorol. Gidrol. 7:20-26. Ref. July 1965. 345 M56
Rye yields in relation to precipitation.
- 43644 SOEKARJO, R. The effect of caffeic acid on the epinastic curvature of isolated petioles of *Coleus* sp. in comparison with the effect of gibberellic acid and indoleacetic acid. Acta Bot. Neer. 14(3):266-277. Ref. Nov. 1965. 450 Ac822
- 43645 SQUIRE, H. M. Long-term studies of strontium-90 in soils and pastures. Radiat. Bot. 6(1):49-67. Ref. Feb. 1966. 450 R11
Chiefly uptake of Sr^{90} in ryegrass.
- 43646 STEIN, H. J. Osmotic theory: an example of lag between research and teaching. BioScience 16(2):97. Feb. 1966. 500 Am322A
Plants.
- 43647 STEINER, A. A. A new method for growing plants in waterculture. Acta Bot. Neer. 14(4):400-402. Jan. 1966. 450 Ac822
Using nutrient solutions.
- 43648 STEMBRIDGE, G. E. The measurement of growth responses in young peach trees. S. C. Agr. Exp. Sta. Tech. Bull. 1019, 12 p. Ref. Nov. 1965. 100 So8T
Trunk diameter and pruning weight in an experiment with fertilizers.
- 43649 STEPANOV, V. N., and FILATOV, V. I. Effect of soil compaction on growth and development of root system of corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:35-38. 1965. 20 M857
- 43650 STRICKER, H. W. The influence of different beet herbicides on the germination and development of sugar beet. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:203-205. June 1965. 410.9 G31M
Alipur, Pyramin and Stentan.
- 43651 SUOMELA, H. On the factors affecting quality of wheat produced in Finland. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:300-307. Ref. 1965. 20 Su7
English summary.
Effect of weather and grading of the crop.
- 43652 SWANSON, R. H., and LEE, R. Measurement of water movement from and through shrubs and trees. J. Forest. 64(3):187-190. Mar. 1966. 99.8 F763
Transpiration study methods.
- 43653 SYNDER, F. W., SEBESON, J. M., and FAIRLEY, J. L. Relation of water soluble substances in fruits of sugar beet to speed of germination of sugar beet seeds. Amer. Soc. Sugar Beet Technol. J. 13(5):379-388. Ref. Apr. 1965. 66.9 Am35J
Includes oxalates.
- 43654 SYONO, K. Changes in response to purine and pyrimidine derivatives of carrot root callus during successive culturing. Plant Cell Physiol. 6(3):393-401. Ref. Sept. 1965. 450 P699
- 43655 SYONO, K. Physiological and biochemical changes of carrot root callus during successive cultures. Plant Cell Physiol. 6(3):371-392. Ref. Sept. 1965. 450 P699
Effects of growth substances.
- 43656 SZANISZLO, P. J. A study of the effect of light and temperature on the formation of oogonia and oospheres in *Saprolegnia diclina*. Elisha Mitchell Sci. Soc. J. 81(1):10-15. May 1965. 500 EL4
- 43657 TAKAHASHI, K., and HORIE, Y. Tolerance to salt water of several plants. 1. (Ja) Jap. Forest Exp. Sta. Bull. 183:130-151. Ref. Dec. 1965. 99.8 R47
English summary.
- 43658 TAKAHASHI, T. Vertical distribution of crawling pine and its surrounding air temperature in Hokkaido Island. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:176-182, map. 1965. 99.9 J2724A
English summary.
- 43659 TAMIYA, H., and MORIMURA, Y. Synchronous cultures of *Chlorella* starting from a homogeneous population. In Zeuthen, E., ed. Synchrony in cell division and growth, p. 565-569. 1964. 442 Z5
- 43660 TANIGUCHI, T. Study on the cold hardiness of citrus trees. Difference of physiological and tissue characteristics on the leaves of the cold hardy strains of Satsuma orange trees. (Ja) Shizuoka. Citrus Exp. Sta. Bull. 5:15-18. Ref. Oct. 1965. 93.33 Sh62B
English summary.
- 43661 TAVROVSKAYA, O. L. Nitrogen substances in potato tubers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:359-365. Ref. 1964. 20 M857
As induced by plant nutrition.
- 43662 TEETER, J. W. Effects of sodium chloride on the sago pondweed. J. Wildlife Manage. 29(4):838-845. Ref. Oct. 1965. 410 J827
Potamogeton pectinatus.

- 43663 TERPO, A. The process of development of biennial vegetables. II. (Hu) Elovilag 10(3):139-146. Ref. 1965. 410 EL6
- 43664 TEWARI, G. P. Effects of nitrogen, phosphorus and potassium on flowering and yield of soybeans in Nigeria. Exp. Agr. 1(3):185-188. Ref. July 1965. 10 Ex72
- 43665 TEWARI, G. P. Effects of nitrogen, phosphorus and potassium on nodulation in cowpea. Exp. Agr. 1(4):257-259. Oct. 1965. 10 Ex72
- 43666 TILL, M. R. Both overwatering and underwatering can cause salt problems in mallee soils. S. Australia J. Agr. 69(5):161-167. Dec. 1965. 23 So84
Fruit soils.
- 43667 TOLBERG, A. B., and MACEY, R. I. Osmotic behavior of spinach chloroplasts. Biochim. Biophys. Acta 109(2):424-430. Ref. Nov. 29, 1965. 381 B522
- 43668 TREBST, A., and ELSTNER, E. The dependence of photosynthetic NADP reduction on plastocyanin. (Ge) Z. Naturforsch. 20b(9):925-926. Ref. Sept. 1965. 474 Z3
- 43669 TREBST, A., and PISTORIUS, E. Photosynthetic reactions in UV-irradiated chloroplasts. (Ge) Z. Naturforsch. 20b(9):885-889. Ref. Sept. 1965. 474 Z3
English summary.
Spinach.
- 43670 TSAY, Y., NISHI, A., and JUANAGITA, T. Carbon dioxide fixation in *Aspergillus oryzae* conidia at the initial phase of germination. J. Biochem. 58(5):487-493. Ref. Nov. 1965. 385 J822
- 43671 TSUDA, K., and OTOMO, R. Visual symptoms of nutrient element deficiency in *Alnus* and *Betula* seedlings. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:32-36. 1965. 99.9 J2724A
English summary.
Alnus hirsuta and *Betula maximowicziana*.
- 43672 TSUNO, Y., and FUJISE, K. Studies on the dry matter production of the sweetpotato. (Ja) Tokyo. Nat. Inst. Agr. Sci. Bull. Ser. D (Plant Physiol. Genet. Crops Gen.) 13:1-131. Ref., p.118-123. Mar. 1965. 451 C433
English summary.
Sweetpotato physiology.
- 43673 ULLRICH, W., and others. Distribution of orthophosphates in plastids, cytoplasm, and vacuoles of the leaf cells and their changes in a light-dark alternation. (Ge) Z. Naturforsch. 20b(9):905-910. Ref. Sept. 1965. 474 Z3
W. Urbach, K. A. Santarius, and U. Heber, joint authors.
English summary.
Spinach and *Eloidea densa* studied with ^{32}P .
- 43674 URBACH, W., and others. Distribution and migration of phosphoglyceric acid between the chloroplasts and the cytoplasm during photosynthesis. (Ge) Z. Naturforsch. 20b(9):890-898. Ref. Sept. 1965. 474 Z3
M. A. Hudson, W. Ullrich, K. A. Santarius, and U. Heber, joint authors.
English summary.
Eloidea densa and spinach studied with ^{32}P .
- 43675 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. Plant hardiness zone map. U. S. D. A. Misc. Publ. 814, rev., map. 1965. 1 Ag84M
American Horticultural Society, cooperating.
- 43676 USTIMENKO, G. V., and USANOVA, Z. I. Water regime of root crops (on the example of Jerusalem artichoke). (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:85-90. 1965. 20 M857
Chiefly effects of drought.
- 43677 VALLE, E., and VIRTANEN, A. I. On the injurious and growth-promoting effects in peas and barley of various amino acids given together with nitrate. Suomen Maataloustieteellinen Seura. Julkaisu 107:308-319. Ref. 1965. 20 Su7
- 43678 VARGA, M., and BALINT, I. The effect of gibberellin on the growth, indoleacetic acid content and on the activity of indoleacetic acid oxidase in rice seedlings. Acta Biol. 16(3):243-253. Ref. 1966. 475 Ac85
- 43679 VARIS, E. Winter hardiness as a breeding problem of winter wheat in Finland. Suomen Maataloustieteellinen Seura. Julkaisu 107:320-336. Ref. 1965. 20 Su7
- 43680 VENKETESWARAN, S., and PARTANEN, C. R. A comparative study of the effects of gamma radiation on organized and disorganized growth of tobacco. Radiat. Bot. 6(1):13-20. Ref. Feb. 1966. 450 R11
- 43681 VESTRHEIM, S. Sevin—a new thinning preparation for apples. (No) Gartneryrket 55(51):1223. Dec. 17, 1965. 80 G1938
- 43682 VIR, D., and BAJAJ, S. B. Studies on the uptake and translocation of labelled fungicides in plants. II. Translocation of foliar applied S^{35} in potato. Indian Phytopathol. 18(2):151-153. 1965. 464.8 In2
- 43683 VISSER, W. C. The moisture consumption of plants described as a hydrological phenomenon. Wageningen. Inst. Cultuurtech. Waterhuishouding. Tech. Bull. 40:257-267. 1965. 282.9 W12T
Includes discussion.
- 43684 VLACH, M. The effect of CCC on the increase of resistance to the lodging of some varieties of winter wheat. (Cz) Za Vysokou Urodu 13(5):176-177. May 4, 1965. 64.8 Z12
- 43685 VOGEL, F. Going to seed of sugar beets. (Fr) Agr. Romande (ser. A) 4(10):76. Oct. 1965. 17 Ag8
- 43686 WAGENBRETH, D. The appearance of two lethal steps after the action of heat on poplar [*Populus deltoides* X *simonii*] leaves. (Ge) Flora [Jena] 156(1):116-126. Ref. Aug. 20, 1965. 450 F66
English summary.
- 43687 WAGENBRETH, D. Changes of vitality in leaves of deciduous trees induced by heat shocks. (Ge) Flora [Jena] 156(1):63-75. Ref. Aug. 20, 1965. 450 F66
English summary.
- 43688 WAGGONER, P. E. Calibration of a porometer in terms of diffusive resistance. Agr. Meteorol. 2(5):317-329. Ref. Oct. 1965. 340.8 Ag8
Leaves.
- 43689 WALLACE, A., FROLICH, E., and LUNT, O. R. Calcium requirements of higher plants. Nature [London] 209(5023):634. Feb. 5, 1966. 472 N21
Corn and tobacco studied.
- 43690 WARDLE, P. Significance of xeromorphic features in humid subalpine environments in New Zealand. New Zeal. J. Bot. 3(4):342-343. Dec. 1965. 450 N48
Physiology.
- 43691 WAREING, P. F. Dormancy in plants. Sci. Progr. [London] 53(212):529-537. Ref. Oct. 1965. 472 Sci22
- 43692 WEBER, D. J. Role of proline and glutamic acid metabolism in spore germination of *Rhizopus arrhizus*. Phytopathology 56(1):118-123. Ref. Jan. 1966. 464.8 P56
- 43693 WEIR, C. C. A survey of the mineral nutrition of Valencia orange in Trinidad. Exp. Agr. 1(3):179-184. Ref. July 1965. 10 Ex72
- 43694 WELLENSIEK, S. J. Recent developments in vernalization. Acta Bot. Neer. 14(3):308-314. Ref. Nov. 1965. 450 Ac822
- 43695 WELLINGTON, P. S., and HITCHINGS, S. Germination and seedling establishment of blackgrass (*Alopecurus myosuroides* Huds.). Nat. Inst. Agr. Bot. J. 10(2):262-273. Ref. 1965. 103 N21J
- 43696 WESSELS, J. S. C. Reconstitution by plastocyanin of the NADP^+ -photoreducing activity in digitonin fragments of spinach chloroplasts. Biochim. Biophys. Acta 109(2):614-616. Ref. Nov. 29, 1965. 381 B522

- 43697 WESTLAKE, D. W. S., and SPENCER, J. F. T. The utilization of flavonoid compounds by yeasts and yeast-like fungi. *Can. J. Microbiol.* 12(1):165-174. Ref. Feb.1966. 448.8 C162
- 43698 WEXELSEN, H. Studies on wildgrowing populations of red clover (*Trifolium pratense*). Suomen Maataloustieteellinen Seura. Julkaisu 107:30-44, map. 1965. 20 Su7
Physiological.
- 43699 WHEATLEY, C. H. Dry weather troubles. *Queensland Agr. J.* 91(12):711. Dec.1965. 23 Q33
Effect on plants.
- 43700 WIERSUM, L. K. Effect of growth and evaporation of the fruits on the occurrence of blossom-end rot in tomato. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(5):264-267. Ref. May 1965. 86 N384
English summary, p.290.
- 43701 WILLIAMS, R. B. Control of phytoplankton populations by modification of the environment. *Elisha Mitchell Sci. Soc. J.* 81(2):77. Nov.1965. 500 EL4
Chiefly physiological.
- 43702 WILSON, J. W., and TUNNY, J. Defects of perlite as a medium for plant growth. *Australian J. Exp. Agr. Anim. Husb.* 5(17):137-140. May 1965. 23 Au792
Injuries to vegetable and field crop seedlings due chiefly to poor water supply in perlite.
- 43703 WILSON, R. W. Factors affecting the germination of the basidiospores of *Calvatia gigantea*. *Diss. Abs.* 26(2):657. Aug.1965. 241.8 M58
- 43704 WIMBER, D. E. Duration of the nuclear cycle in *Tradescantia* [paludosa] root tips at three temperatures as measured with H^3 thymidine. *Amer. J. Bot.* 53(1):21-24. Ref. Jan.1966. 450 Am36
- 43705 WINSTEAD, N. N., and others. Influence of light on perithecial formation in *Glomerella magna*. *Phytopathology* 56(1):134-135. Jan. 1966. 464.8 P56
S. F. Jenkins, L. T. Lucas, G. J. Campbell, and H. T. Bone, joint authors.
- 43706 WINTER, H., and VENEMA, T. H. Sucrose uptake by pea stem segments and its effect on growth. *Acta Bot. Neer.* 14(3):366-371. Nov. 1965. 450 Ac822
- 43707 WINTERMANS, J. F. G. M., and MOTS, A. DE. Spectrophotometric characteristics of chlorophylls a and b and their pheophytins in ethanol. *Biochim. Biophys. Acta* 109(2):448-453. Ref. Nov.29,1965. 381 B522
- 43708 WOOD, H. N., and BRAUN, A. C. Studies on the net uptake of solutes by normal and crown-gall tumor cells. *Nat. Acad. Sci. Proc.* 54(6):1532-1538. Dec.1965. 500 N21P
Lochnera rosea.
- 43709 YANAGITA, T. Germinating conidiospores of *Aspergillus niger*. In Zeuthen, E., ed. *Synchrony in cell division and growth*, p.391-420. Ref. 1964. 442 Z5
- 43710 YOSHIDA, Y., and others. Studies on the artificial pollination of apple trees. III. Performance of pollen in different chemical solutions and effect of spraying some pollen suspensions on fruit set of apple trees. (Ja) Morioka. *Hort. Res. Sta. Bull. Ser. C*, 3:1-11. Ref. Mar.1965. 87 M822
S. Sadamori, S. Tsuchiya, and T. Haniuda, joint authors.
English summary.
- 43711 YOUNG, L. C. T., STANLEY, R. G., and LOEWUS, F. A. Myo-inositol-2-t incorporation by germinating pollen. *Nature [London]* 209(5022):530-531. Jan.29,1966. 472 N21
Pears and *Oenothera organensis*; tritium in plant research.
- 43712 YU, T. H., and WU, F. C. A preliminary report on ways for breaking the dormancy of vegetable seeds. 3. Efficacy of ways for breaking the dormancy of the green-petiole pai-tsai. *Newslett. Seeds Mon.* 1(10):5-8. Dec.1965. 61.8 C47
Chinese cabbage.
English and Chinese, Chinese p.5-7 in Chinese section.
- 43713 ZHILIN, N. YA. Interrelations of nurse crops and peas in mixed culture. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:97-103. 1965. 20 M857
In relation to lodging.
- 43714 ZWEIG, G., SHAVIT, N., and AVRON, M. Diquat (1,1 ethylene 2,2 dipyridylum dibromide) in photoreactions of isolated chloroplasts. *Biochim. Biophys. Acta* 109(2):332-346. Ref. Nov.29,1965. 381 B522
- 43715 ZYCHA, H. Bark necrosis or slime flux of beech [*Fagus sylvatica*]. (Da) *Dansk Skovfor. Tidsskr.* 50(4):159-174. Ref. Apr.1965. 99.8 D23
German summary.
Caused by weather.

BIOCHEMISTRY

- 43716 ALVAREZ, M. R., and SAGAWA, Y. A histochemical study of embryo development in *Vanda* (Orchidaceae). *Caryologia* 18(2):251-261. Ref. Apr./June 1965. 442.8 C25
- 43717 ALVAREZ, M. R., and SAGAWA, Y. A histochemical study of embryo sac development in *Vanda* (Orchidaceae). *Caryologia* 18(2):241-249. Ref. Apr./June 1965. 442.8 C25
- 43718 AMATO, F. D', DEVREUX, M., and MUGNOZ-ZA, G. T. S. The DNA content of the nuclei of the pollen grains in tobacco and barley. *Caryologia* 18(2):377-382. Apr./June 1965. 442.8 C25
- 43719 ANDERSON, J. W., and ROWAN, K. S. Activity of peptidase in tobacco-leaf tissue in relation to senescence. *Biochem. J.* 97(3):741-746. Ref. Dec.1965. 382 B52
- 43720 APP, A. A., and BARTON, L. V. Effect of streptomycin on in vitro amino acid incorporation by rice embryo ribosomes. *Boyce Thompson Inst. Contrib.* 23(4):127-134. Ref. Oct./Dec.1965. 451 B69
- 43721 ATAL, C. K., and others. A new pyrrolizidine aminoalcohol in alkaloids from *Crotalaria* species. *Tetrahedron Lett.* 6:537-544. Ref. Feb.1966. 385 T29
K. K. Kapur, C. C. J. Culvenor, and L. W. Smith, joint authors.
- 43722 ATKINSON, R. E., CURTIS, R. F., and PHILLIPS, G. T. Naturally-occurring thiophens: bithienyl derivatives from *Tagetes minuta* L. *Chem. Soc. J.*, Dec.1965:7109-7115. Ref. 382 L84J
- 43723 BAR-AKIVA, A., and STERNBAUM, J. Possible use of the nitrate reductase activity of leaves as a measure on the nitrogen requirement of citrus trees. *Plant Cell Physiol.* 6(3):575-577. Sept.1965. 450 P699
- 43724 BATEMAN, D. F. Hydrolytic and trans-eliminative degradation of pectic substances by extracellular enzymes of *Fusarium solani* f. phaseoli. *Phytopathology* 56(2):238-244. Ref. Feb.1966. 464.8 P56
- 43725 BERTI, G., and others. A triterpenoid epoxide from *Polypodium vulgare*. *Tetrahedron Lett.* 9:979-983. Mar.1966. 385 T29
F. Bottari, A. Marsili, and I. Morelli, joint authors.

- 43726 BHADURI, A., CHRISTENSEN, A., and KALKAR, H. M. Enhanced fluorescence of [uridine diphosphate-galactose] 4-epimerase elicited by 5'-uridine nucleotides. *Biochem. Biophys. Res. Commun.* 21(6):631-637. Dec.21,1965. 442.8 B5236
From *Saccharomyces fragilis*.
- 43727 BICK, I. R. C., and DOUGLAS, G. K. The alkaloids of *Atherosperma moschatum* Labill. II. *Australian J. Chem.* 18(12):1997-2004. Ref. Dec.1965. 475 Au73
- 43728 BIRK, Y., and WALDMAN, M. Amylolytic-, trypsin-inhibiting-, and urease-activity in three varieties of soybeans and in soybean plant. *Qualitas Plant. Mater. Veg.* 12(2):199-209. June 30,1965. 64.8 M41
- 43729 BIRKOFER, L., KAISER, C., and BECKER, F. Bignonoside, an acylated flavone from *Catalpa bignonioides*. (Ge) *Z. Naturforsch.* 20b(9):923. Ref. Sept.1965. 474 Z3
- 43730 BOISSIER, J. R., and others. Contribution to the study of the alkaloids of some Menispermaceae of Madagascar: *Cissampelos pareira*, *Cyclea madagascariensis*, *Anisocyclea grandidieri* and *Spirospermum penduliflorum*. (Fr) *Lloydia* 28(3):191-198. Ref. Sept.1965. 442.8 L77
G. Combes, R. Pernet, and C. Dumont, joint authors.
English summary.
- 43731 BONNER, J. The template activity of chromatin. *J. Cell. Compar. Physiol.* 66(2,pt.2):77-90. Ref. Oct.1965. 444.8 J822
In peas.
Includes discussion.
- 43732 BRINTZINGER, H., PALMER, G., and SANDS, R. H. On the ligand field of iron in ferredoxin from spinach chloroplasts and related nonheme iron enzymes. *Nat. Acad. Sci. Proc.* 55(2):397-404. Ref. Feb.1966. 500 N21P
- 43733 BRITTON, G., and HASLAM, E. Gallotannins. XII. Phenolic constituents of *Arctostaphylos uva-ursi* L. Spreng. *Chem. Soc. J.*, Dec.1965: 7312-7319. Ref. 382 L84J
- 43734 BUDD, K., SUSSMAN, A. S., and EILERS, F. I. Glucose-C¹⁴ metabolism of dormant and activated ascospores of *Neurospora*. *J. Bacteriol.* 91(2):551-561. Ref. Feb.1966. 448.3 J82
- 43735 CALDERWOOD, J. M., and FISH, F. Alkaloids of *Fagara rhoifolia* Lam. *Chem. Indus.* 6:237-238. Feb.5,1966. 382 M31C
- 43736 CHATTERJEE, S. K., DAS, H. K., and ROY, S. C. Deoxyribonucleic acid and the synthesis of protein in plant mitochondria. IV. *Biochim. Biophys. Acta* 114(2):349-354. Ref. Feb.21, 1966. 381 B522
Vigna sinensis.
- 43737 CHRISTIE, A. E., and LEOPOLD, A. C. Entry and exit indoleacetic acid in corn coleoptiles. *Plant Cell Physiol.* 6(3):453-465. Ref. Sept. 1965. 450 P699
- 43738 CORREA, J., and ROMO, J. The constituents of *Cacalia decomposita* A. Gray. structures of matorin, matorinin, matorone and matorinone. *Tetrahedron* 22(2):685-691. Ref. Feb.1966. 382 T29
- 43739 CREVELING, C. R., and others. Molecular transitions in an induced enzyme with enhanced fluorescence. *Biochem. Biophys. Res. Commun.* 21(6):624-630. Ref. Dec.21,1965. 442.8 B5236
A. Bhaduri, A. Christensen, and H. M. Kalkar, joint authors.
From *Saccharomyces fragilis*.
- 43740 CROSS, A. D., and others. Substances isolated from the plants of the subfamily Wurmbaeoidae and their derivatives. LXII. On the constitution of the alkaloid CC-12, isolated from *Colchicum cornigerum* (Sweinf.) Tackh. et Drar.; preliminary communication. *Collect. Czech. Chem. Commun.* 31(1):374-378. Jan. 1966. 385 C68
A. El-Hamidi, L. Pijewska, and F. Santavy, joint authors.
bpm
- 43741 CULLIMORE, D. R. An adaptive butyrase enzyme system in the alga *Prototheca zopfii*. *Nature [London]* 209(5022):531. Jan.29,1966. 472 N21
- 43742 DAVIES, J. N. Occurrence of sucrose in the fruit of some species of *Lycopersicon*. *Nature [London]* 209(5023):640-641. Ref. Feb.5,1966. 472 N21
- 43743 DUTTON, H. J., and MOUNTS, T. L. Desaturation of fatty acids in seeds of higher plants. *J. Lipid Res.* 7(2):221-225. Ref. Mar.1966. 381 J8282
Flax, soybean, and safflower plants.
- 43744 EBERT, K. H. On the biological synthesis of high polymer substances. (Ge) *Naturwissenschaften* 53(2):32-36. Ref. Jan.15,1966. 474 N213
- 43745 EDWARDS, O. E., FONZES, L., and MARION, L. The correlation of chasmanine with brownine. *Can. J. Chem.* 44(5):583-589. Ref. Mar.1,1966. 470 C16B
- 43746 ELLESTAD, G. A., and others. The chemistry of fungi. L-LII. *Chem. Soc. J.*, Dec.1965:7246-7261. Ref. 382 L84J
B. Green, A. Harris, W. B. Whalley, H. Smith, M. R. Cox, A. J. Hannaford, I. R. Wallwork, and B. Sjöberg, joint authors.
- 43747 ELNAGHY, M. A., and NORDIN, P. Soluble nucleotides of wheat and oat seedlings. *Arch. Biochem. Biophys.* 113(1):72-76. Ref. Jan. 1966. 381 Ar2
- 43748 FAM-SUAN, K., and PLESHKOV, B. P. Fractional and amino acid composition of bean proteins. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:355-358. 1964. 20 M857
- 43749 FARNSWORTH, N. R. Biological and phytochemical screening of plants. *J. Pharm. Sci.* 55(3):225-276. Ref. Mar.1966. 396.8 J825
For medicinal values.
- 43750 FORD, C. W., and PERCIVAL, E. The carbohydrates of *Phaeodactylum tricornutum*. I-II. *Chem. Soc. J.*, Dec.1965:7035-7046. Ref. 382 L84J
- 43751 FOWDEN, L. The chemical approach to plants. *Sci. Progr. [London]* 53(212):583-599. Ref. Oct.1965. 472 Sci22
Substances produced by higher plants.
- 43752 FOWDEN, L. Isolation of gamma-hydroxynorvaline from *Lathyrus odoratus* seed. *Nature [London]* 209(5025):807-808. Ref. Feb.19, 1966. 472 N21
- 43753 FUCHS, A. On the gelation of pectin by plant extracts and its inhibition; some considerations in relation to host-parasite interactions. *Acta Bot. Neer.* 14(3):315-322. Ref. Nov.1965. 450 Ac822
- 43754 FUJITA, Y. *Angelica shikokiana* Makino and *A. cartilaginomarginata* Nakai viewed from the chemical constituents. (Ja) *J. Jap. Bot.* 41(1): 23-25. Jan.1966. 450 J8223
English summary.
- 43755 GAMBORG, O. L., and KEELEY, F. W. Aromatic metabolism in plants. I. A study of the prephenate dehydrogenase from bean plants. *Biochim. Biophys. Acta* 115(1):65-72. Ref. Jan.25,1966. 381 B522
- 43756 GOODWIN, T. W., and WILLIAMS, R. J. H. A mechanism for the biosynthesis of alpha-carotene. *Biochem. J.* 97(3):28C-32C. Dec.1965. 382 B52
In carrot root slices.
- 43757 GOTTLIEB, D., VAN ETEN, J. L., and MOLITORIS, H. P. Changes in fungi with age. I-II. *J. Bact.* 91(1):161-175. Ref. Jan.1966. 448.3 J82
Chemical composition, respiration and respiratory enzymes of *Rhizoctonia solani* and *Sclerotium bataticola*.

- 43758 GROGER, D., and ERGE, D. Biosynthesis of 2,3-dihydroxybenzoic acid in submerged cultures of *Claviceps paspali* Stevens et Hall. (Ge) *Z. Naturforsch.* 20b(9):856-858. Ref. Sept.1965. 474 Z3
- 43759 GROSS, J. A., SHEFNER, A. M., and BECKER, M. J. Distribution of chlorophylls in chloroplast fragments. *Nature [London]* 209(5023): 615. Feb.5,1966. 472 N21
Spinach chloroplasts.
- 43760 HAGEN, C. W. The differentiation of pigmentation in flower parts. I. The flavonoid pigments of *Impatiens balsamina*, genotype lHHPrPr, and their distribution within the plant. *Amer. J. Bot.* 53(1):46-54. Ref. Jan.1966. 450 Am36
- 43761 HAGEN, C. W. The differentiation of pigmentation in flower parts. II. Changes in pigments during development of buds in *Impatiens balsamina* genotype lHHPrPr. *Amer. J. Bot.* 53(1): 54-60. Ref. Jan.1966. 450 Am36
- 43762 HANSON, J. R. New metabolites of *Gibberella fujikuroi*. X. *Gibberellin A10*. *Tetrahedron* 22 (2):701-703. Ref. Feb.1966. 382 T29
- 43763 HENRICK, C. A., and JEFFERIES, P. R. The chemistry of the Euphorbiaceae. XV. Further diterpenes from *Ricinosarpus stylosus*. *Australian J. Chem.* 18(12):2005-2013. Ref. Dec. 1965. 475 Au73
- 43764 HERISSET, A., BESSON, P., and AUTIN, C. Rough estimate of toxicity of the varieties of hemp cultivated in Anjou. (Fr) *Ann. Pharm. Franc.* 23(11):631-635. Nov.1965. 396.8 An7
- 43765 HOHMANN, T., and ROCHELMEYER, H. On the formation of a new lysergic acid derivative by a type of *Claviceps purpurea* Tulasne. (Ge) *Arch. Pharm.* 299(2):97-106. Feb.1966. 396.8 Ar2A
- 43766 HOHNE, E., and others. *Solanum* alkaloids. LX. (Ge) *Tetrahedron* 22(2):673-678. Ref. Feb.1966. 382 T29
K. Schreiber, H. Ripperger, and H. H. Worch, joint authors.
English summary.
Solanidanes studies by X-rays.
- 43767 ITO, K., and HASHIMOTO, Y. Occurrence of gamma-(guanyureido) butyric acid in a red alga, *Gymnogongrus flabelliformis*. *Agr. Biol. Chem.* 29(9):832-835. Sept.1965. 385 Ag8B
- 43768 IWASA, K., and NAKAGAWA, M. Polyphenolic compounds in the tea plant. I. Distribution of polyphenolic compounds in the various parts of the tea plant. (Ja) *Jap. Tea Res. Sta. Stud. Tea* 31:120-124. Ref. Nov.1965. 68.18 Ok3
English summary.
- 43769 IZAWA, S., and GOOD, N. E. Hill reaction rates and chloroplast fragment size. *Biochim. Biophys. Acta* 109(2):372-381. Ref. Nov.29, 1965. 381 B522
- 43770 JEFFS, P. W., and TOUBE, T. P. The alkaloids of the Amaryllidaceae. XIV. Hofmann degradation of albomaculine. *J. Org. Chem.* 31 (1):189-192. Jan.1966. 381 J827
- 43771 JOHNSON, R. M., and RAYMOND, W. D. The chemical composition of some tropical food plants. IV. *Manioc* [*Manihot utilisima*]. *Trop. Sci.* 7(3):109-115. Ref. 1965. 26 T756
- 43772 KANAI, R., AOKI, S., and MIYACHI, S. Quantitative separation of inorganic polyphosphates in *Chlorella* [ellipsoidea] cells. *Plant Cell Physiol.* 6(3):467-473. Ref. Sept.1965. 450 P699
- 43773 KASHIWABARA, Y., SUZUKI, H., and NISIZAWA, K. Some enzymes relating to the metabolism of starch in a sea-lettuce [*Ulva pertusa*]. *Plant Cell Physiol.* 6(3):537-546. Ref. Sept. 1965. 450 P699
- 43774 KETCHIE, D. O. Chemical and nutritional aspects of winter hardiness of peach trees. *Diss. Abs.* 26(6):2960. Dec.1965. 241.8 M58
- 43775 KIANG, A. K., SIM, K. Y., and GOH, J. Constituents of *Mikania cordata* (Burm. f.) B. L. Robinson (Compositae); isolation of mikanin, epifriedelinol, and fumaric acid; the structure of mikanin. *Chem. Soc. J.*, Nov.1965:6371-6374. Ref. 382 L84J
- 43776 KIDO, M., and YANATORI, S. Histochemical studies of protein accumulating process in rice grain. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(2): 204-209. Dec.1965. 22.5 C88
English summary.
- 43777 KINSEY, J. A., and WAGNER, R. P. Amino acid production by a mitochondrial fraction of *Neurospora crassa*. *Nat. Acad. Sci. Proc.* 55 (2):404-410. Ref. Feb.1966. 500 N21P
- 43778 KIRK, J. T. O., and ALLEN, R. L. Dependence of chloroplast pigment synthesis on protein synthesis: effect of actidione. *Biochem. Biophys. Res. Commun.* 21(6):523-530. Ref. Dec.21,1965. 442.8 B5236
Euglena gracilis.
- 43779 KLEWER, W. M. Changes in concentration of glucose, fructose, and total soluble solids in flowers and berries of *Vitis vinifera*. *Amer. J. Enol. Viticult.* 16(2):101-110. Ref. Apr./June 1965. 390.9 Am33
- 43780 KLEWER, W. M. Changes in the concentration of malates, tartrates, and total free acids in flowers and berries of *Vitis vinifera*. *Amer. J. Enol. Viticult.* 16(2):92-100. Ref. Apr./June 1965. 390.9 Am33
Synthesis of Malic and Tartaric acids.
- 43781 KUNDU, S. K., and CHATTERJEE, A. Terpenoids. LXXXVII. Isolation of fernenol, a new pentacyclic alcohol from *Artemisia vulgaris* L. *Tetrahedron Lett.* 10:1043-1047. Mar.1965. 385 T29
Triterpene.
- 43782 KUNIEDA, R., and TAKAMITTA, A. Occurrence of a far-red-absorbing pigment (P 715) in leaf extract of *Ginkgo biloba*. *Plant Cell Physiol.* 6 (3):431-439. Ref. Sept.1965. 450 P699
- 43783 KUPCHAN, S. M., and OHTA, G. *Buxus* alkaloids. X. The isolation and constitution of cyclovibuxeine-B. *J. Org. Chem.* 31(2):608-610. Ref. Feb.1966. 381 J827
- 43784 KUTACEK, M., SPALENY, J., and OPLISTILOVA, K. Biosynthetic incorporation of $S^{35}O_2$ in glucobrassicin. (Ge) *Experientia* 22(1):24-25. Ref. Jan.15,1966. 475 Ex7
English summary.
From *Brassica oleracea*.
- 43785 KUTNEY, J. P., BROWN, R. T., and PIERS, E. The absolute configuration of the Iboga alkaloids. *Can. J. Chem.* 44(5):637-639. Ref. Mar.1,1966. 470 C16B
- 43786 LI, C. C., and others. Carbohydrate metabolism in the shoots of bamboo, *Leleba oldhami*. I-II. *Acad. Sinica. Inst. Bot. Bot. Bull. N. S.* 6(2):153-169. Ref. July 1965. 451 Ac1B
T. S. Lu, C. L. Ting, and C. C. Su, joint authors.
- 43787 MACHADO DE CAMPOS, S. Scopoletin in *Brunfelsia* seeds. *Acad. Brasil. Cienc. An.* 36 (4):511-513. Ref. Dec.31,1964. 516 R473A
Brunfelsia grandiflora and *B. hopeana*.
- 43788 MACLEAN, D. B., and CURCUMELLI-RODOSTAMO, M. *Lycopodium* alkaloids. XVII. Mass spectra of annotine and some annotine derivatives. *Can. J. Chem.* 44(5):611-620. Ref. Mar.1,1966. 470 C16B
- 43789 MAGNUS, K. E., and SEAFORTH, C. E. *Samanea saman* Merrill: the rain tree; a review. *Trop. Sci.* 7(1):6-11. Ref. 1965. 26 T756
Biochemistry; a literature review.
- 43790 MANSKE, R. H. F. The alkaloids of fumariaceous plants. LV. The structure of cularidine. *Can. J. Chem.* 44(5):561-563. Mar.1,1966. 470 C16B
- 43791 MELIUS, P. Purification of plant glutamic acid decarboxylase. *Can. J. Biochem.* 44(1): 145-147. Jan.1966. 470 C16E
Squash studied.
- 43792 MERDINGER, E. Lipids of *Pullularia pullulans*. *Can. J. Microbiol.* 12(1):206-208. Feb. 1966. 448.8 C162
- 43793 MIR, G. N., and GHATAK, B. J. R. Pharmacological investigation of imperialine—an alkaloid from *Fritillaria imperialis* Linn. *Indian J. Exp. Biol.* 3(4):249-252. Oct.1965. 442.8 In2

- 43794 MONEGER, R. A method for the extraction of liposoluble pigments; used in *Spirodela polyrrhiza* Schleid. (Fr) Acad. Sci. Compt. Rend. 261(4):1074-1076. July 26, 1965. 505 P21
- 43795 MUMFORD, F. E. Studies on the phytochrome dark reaction in vitro. Biochemistry 5(2):522-524. Ref. Feb. 1966. 381 B523
Phytochrome from *Avena sativa*.
- 43796 MURATA, T., and others. Enzymic mechanism of starch synthesis in ripening rice grains. III. Arch. Biochem. Biophys. 113(1):34-44. Ref. Jan. 1966. 381 Ar2
T. Sugiyama, T. Minamikawa, and T. Akazawa, joint authors.
- 43797 OSAWA, T. Inhibition tests of plant agglutinins from *Laburnum alpinum* and *Cytisus sesifolius* with various sugars and sugar derivatives; indication of the type of linkage in certain disaccharides. Biochim. Biophys. Acta 115(2):507-510. Ref. Feb. 28, 1966. 381 B522
- 43798 PACKTER, N. M. Studies on the biosynthesis of quinones in fungi; incorporation of 6-methylsalicylic acid into fumigatin and related compounds in *Aspergillus fumigatus* I.M.I. 89353. Biochem. J. 97(2):321-332. Ref. Nov. 1965. 382 B52
- 43799 PALFI, G. Comparison of the spectrum of amino-acids in the bleeding sap of wheat, maize and rice. Nature [London] 209(5023):636-637. Feb. 5, 1966. 472 N21
- 43800 PALOHEIMO, L., and VAINIO, K. A. Determination of the complex of cell wall substances in plant products. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(4):305-312. Ref. 1965. 20 Su7M
Cellulose in forage plants.
- 43801 PARIS, R. R., and FAUGERAS, G. On the iso-flavones of the Papilionaceae-Genisteae; isolation of genistoxide from *Ulex nanus* Forst. and from *Adenocarpus complicatus* Gay, and of methyl genisteol from *Genista hispanica* L. (Fr) Acad. Sci. Compt. Rend. 261(7):1761-1763. Aug. 18, 1965. 505 P21
- 43802 PARIS, R. R., and ETCHEPARE, S. On the polyphenols of *Crataegus pyracantha* Pers.; presence of chlorogenic acids, rutosides and glucosides of eriodictyol. (Fr) Ann. Pharm. Franc. 23(11):627-630. Nov. 1965. 396.8 An7
- 43803 PEAUD-LENOEL, C., and AXELOS, M. Production of sophoran by wheat roots. (Fr) Soc. Chim. Biol. Bull. 47(10):1809-1826. Ref. 1965. 383 So1
English summary.
- 43804 PLESHKOV, B. P. Stability of amino acid in composition of plant proteins. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:349-353. 1964. 20 M857
- 43805 PLOUVIER, V. Two new heterosides, the fortunearoside isolated from *Fortunearia sinensis* Rehd. and Wils. (Hamamelidaceae) and the primulinoside isolated from *Jasminum primulinum* Hemsl. (Oleaceae). (Fr) Acad. Sci. Compt. Rend. 261(7):1757-1760. Aug. 18, 1965. 505 P21
- 43806 POPELAK, A., HAACK, E., and SPINGLER, H. On a new alkaloid from *Alangium lamarckii* Thw. (Ge) Tetrahedron Lett. 10:1081-1085. Mar. 1966. 385 T29
Similar to tubulosine.
- 43807 POWELL, R. G., and others. New enynolic acids from *Acanthosyrus*, structures and chemistry. J. Org. Chem. 31(2):528-533. Feb. 1966. 381 J827
C. R. Smith, C. A. Glass, and I. A. Wolff, joint authors.
- 43808 PUJARNISCLE, S. Preliminary study on the enzyme activity in the latex particles of *Hevea brasiliensis*; analogy with lysosomes. (Fr) Acad. Sci. Compt. Rend. 261(10):2127-2130. Ref. Sept. 16, 1965. 505 P21
- 43809 RADLER, F. The surface waxes of the sulfata vine (*Vitis vinifera* cv. Thompson Seedless). Australian J. Biol. Sci. 18(5):1045-1056. Ref. Oct. 1965. 442.8 Au72
- 43810 RAMAKRISHNAYYA, B. V., and MURTY, G. S. Chlorine content of the tobacco leaf in relation to its position on stalk. Indian J. Plant Physiol. 7(1/2):30-34. Ref. 1964. 450 In23
- 43811 RANGASWAMI, G., and RAJASEKARAN, P. A *Fusarium* sp. with cellulolytic and lignolytic properties from manure pit. Indian Phytopathol. 18(2):217-218. 1965. 464.8 In2
- 43812 RAZZELL, W. E. Plant tissue phosphodiesterase activities. Biochem. Biophys. Res. Commun. 22(3):243-247. Ref. Feb. 3, 1966. 442.8 B5236
Peas and corn.
- 43813 RIBEREAU-GAYON, G., and RIBEREAU-GAYON, P. The place and mechanism of tartaric acid synthesis in *Vitis vinifera*. (Fr) Acad. Sci. Compt. Rend. 261(7):1764-1766. Aug. 18, 1965. 505 P21
- 43814 ROTSCH, E., and DEBUCH, H. On lecithin, colamine cephalin, and the diglyceride phosphoric acid glycerine ester (phosphatidylglycerol) from green leaves of *Spinacia oleracea*. (Ge) Hoppe-Seyler's Z. Physiol. Chem. 343(1/3):135-149. 1965. 384 Z38
English summary.
- 43815 SADIQUE, J., SHANMUGASUNDARAM, R., and SHANMUGASUNDARAM, E. R. B. Isolation of 6,7-dimethyl-8-ribityl lumazine from a riboflavineless mutant of *Aspergillus nidulans*. Experientia 22(1):32. Jan. 15, 1966. 475 Ex7
- 43816 SAKABE, N., and others. Isolation of three new alkaloids from *Daphniphyllum macropodium* Miquel. Tetrahedron Lett. 9:963-964. Mar. 1966. 385 T29
H. Irikawa, H. Sakurai, and Y. Hirata, joint authors.
Daphniphylline, neodaphniphylline, and yuzurimine.
- 43817 SAKAI, S., and others. Studies on the assimilation of carbon in tea plant. 6. (Ja) Jap. Tea. Res. Sta. Stud. Tea 31:10-22. Ref. Nov. 1965. 68.18 Ok3
T. Kano, A. Nakayama, and H. Sanai, joint authors.
English summary.
- 43818 SAUER, K., and PARK, R. B. The Hill reaction of chloroplasts. Biochemistry 4(12):2791-2798. Ref. Dec. 1965. 381 B523
From spinach.
- 43819 SCHEFFER, F., KICKUTH, R., and LORENZ, H. The organic acid compounds in maize shoots, roots and in the corresponding sterile rooting medium (a contribution to the problem of root secretion). (Ge) Z. Pflanzenernahr. Dungung. Bodenkn. 110(3):201-210. Ref. Sept. 1965. 384 Z343A
English summary, p.VII.
- 43820 SCHOFIELD, K., and WRIGHT, D. E. Pigments from two fungi of the order Sphaeropsidales. Chem. Soc. J., Nov. 1965:6642-6644. 382 L84J
Phoma pigmentivora (*Aposphaeria violacea*) and *Selenophoma donacis*.
- 43821 SEN, S. P., and GUPTA, A. S. Further observations on carbon dioxide fixation in *Avena* in relations to auxin action. Indian J. Plant Physiol. 7(1/2):16-24. Ref. 1964. 450 In23
- 43822 SEN, S. P. Tracer studies on the biochemical aspects of flowering: translocation of photosynthates and metabolic changes in the shoot apex. Indian J. Plant Physiol. 7(1/2):1-15. Ref. 1964. 450 In23
- 43823 SHAW, D. H., and STEPHEN, A. M. A polysaccharide found on the seed boxes of *Watsonia versveldii*. Carbohydr. Res. 1(5):414-416. Jan./Feb. 1966. 385 C172
- 43824 SHAW, D. H., and STEPHEN, A. M. Structure of a polysaccharide found in the corm-sacs of *Watsonia pyramidata* (Andr.) Stapf. Carbohydr. Res. 1(5):400-413. Ref. Jan./Feb. 1966. 385 C172
- 43825 SHUKLA, J. P., and DUTTA, S. M. Production of fungal protein from *Rhizopus* sp. Indian J. Exp. Biol. 3(4):242-244. Ref. Oct. 1965. 442.8 In2

- 43826 SILVA, J. B. DA. Research on saponins of *Luffa operculata*. (Por) Sao Paulo. Univ. Fac. Farm. Bioquim. Rev. 2(2):153-160. July/Dec. 1964. 396.9 Sa623
English summary.
- 43827 SINDELAR, J., and SKALSKA, A. Variation of the essential oils content in the organs of European larch (*Larix decidua* Mill.). (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(1):45-60. Ref. Jan.1965. 99.9 C334
English summary.
- 43828 SINGH, P., and RANGASWAMI, S. Chemical examination of *Fomes fomentarius* (L.) Fr. Indian J. Chem. 3(12):575-576. Dec.1965. 385 In294
- 43829 STAPLES, R. C. Acid phosphatases from healthy and rust [*Uromyces phaseoli*] infected pinto bean leaves. II. Effect of removing apical meristem. Boyce Thompson Inst. Contrib. 23(4):83-91. Ref. Oct./Dec.1965. 541 B69
- 43830 STEINEGGER, E., and PETERS, K. On the occurrence of tormentoside in Rosaceae. (Ge) Pharm. Acta Helv. 41(2):102-108. Feb.1966. 396.8 P4933
English summary.
- 43831 SU, J. C., LI, C. C., and TING, C. C. A new adenylate deaminase from red marine alga *Porphyra crispata*. Biochemistry 5(2):536-543. Ref. Feb.1966. 381 B523
- 43832 SYLVEN, B., and THORELL, B. Enzymes in synchronized yeast populations. In Zeuthen, E., ed. Synchrony in cell division and growth, p.381-390. Ref. 1964. 442 Z5
- 43833 SYMPOSIUM on Hormonal Control of Protein Biosynthesis, Gatlinburg, Tenn., 1965. J. Cell. Compar. Physiol. 66(2,pt.2),189 p. Ref. Oct. 1965. 444.8 J822
Given at 18th annual Research Conference for Biology and Medicine of the Atomic Energy Commission sponsored by the Biology Division, Oak Ridge National Laboratory.
Includes plants and insects.
- 43834 TAKEO, T. Tea leaf polyphenol oxidase. 1. (Ja) Jap. Tea Res. Sta. Stud. Tea 31:114-119. Nov.1965. 68.18 Ok3
English summary.
- 43835 TALYSHINSKII, G. M., and GASANOV, A. S. Content of carotene, rutin and vitamins in fruit and leaves of *Morus*. (Rus) Akad. Nauk Azerb. SSR. Dokl. 22(10):69-73. 1965. 511 Ak147D
- 43836 THANKI, R. J., PATEL, K. C., and PATEL, R. D. Lipase activity of gamma-irradiated castor seeds germinated in dark. Z. Pflanzenernahr. Dungung. Bodenk. 110(3):211-214. Sept.1965. 384 Z343A
- 43837 TOMITA, G., and KIM, S. S. Substrate effect on riboflavin-sensitized photoinactivation of Taka-amylase A. Experientia 22(1):27-28. Jan.15,1966. 475 Ex7
- 43838 VAN DER MERWE, K. J., STEYN, P. S., and FOURIE, L. Mycotoxins. II. The constitution of ochratoxins A, B, and C, metabolites of *Aspergillus ochraceus* Wilh. Chem. Soc. J., Dec. 1965:7083-7088. Ref. 382 L84J
- 43839 VARNER, J. E., CHANDRA, G. R., and CRISPEELS, M. J. Gibberellic acid-controlled synthesis of alpha-amylase in barley endosperm. J. Cell. Compar. Physiol. 66(2,pt.2):55-67. Ref. Oct.1965. 444.8 J822
Includes discussion.
- 43840 VAZQUEZ RONCERO, A. Olive chemistry. III. The organic components. (Sp) Grasas Aceites 16(6):292-304. Ref. Nov./Dec.1965. 307.8 G76
In leaves and fruit.
- 43841 VESTRHEIM, S. Ascorbic acid in black currants. (No) Gartneryrket 55(49):1181-1182. Mar.1965. 80 G1938
- 43842 VOLODARSKII, A. D., and BUTENKO, R. G. The discovery of specific antigens by the anaphylactic method involving desensibilization in the process of dedifferentiation of the plant cell. (Rus) Akad. Nauk SSSR. Dokl. 166:734-737. Ref. 1966. 511 P444A
Tobacco.
- 43843 WAINWRIGHT, S. D. Evidence of a microsomal factor required for in vitro development of pseudo-tryptophan synthase activity by extracts of *Neurospora crassa*. Can. J. Biochem. 44(1):77-83. Jan.1966. 470 C16E
- 43844 WANG, D., and MANCINI, D. Anion exchange chromatography of organic acids and nucleotides: an improved gradient elution system. Boyce Thompson Inst. Contrib. 23(4):93-100. Ref. Oct./Dec.1965. 451 B69
Includes plant study.
- 43845 WESSELS, J. S. C. Mechanism of the reduction of organic nitro compounds by chloroplasts. Biochim. Biophys. Acta 109(2):357-371. Ref. Nov.29,1965. 381 B522
Of spinach.
- 43846 WOODS, P. S., and ZUBAY, G. Biochemical and autoradiographic studies of different RNA's: evidence that transfer RNA is chromosomal in origin. Nat. Acad. Sci. Proc. 54(6):1705-1712. Ref. Dec.1965. 500 N21P
Broadbeans studied.
- 43847 WRIGHT, B., WARD, C., and DAHLBERG, D. Cell wall polysaccharide synthesis in vitro catalyzed by an enzyme from slime mold myxamoebae [*Dictyostellium discoideum*] lacking a cell wall. Biochem. Biophys. Res. Commun. 22(3):352-356. Feb.3,1966. 442.8 B5236
Radioactive carbon used.
- 43848 YAMADA, Y., and others. L-sorbose oxidase from *Trametes sanguinea*. Agr. Biol. Chem. 30(1):97-98. Ref. Jan.1966. 385 Ag8B
K. Iizuka, K. Aida, T. Uemura, joint authors.
- 43849 YEOH, G. B., CHAN, K. C., and MORSINGH, F. Pteropodine and isopteropodine, the alkaloids from *Uncaria pteropoda*. Tetrahedron Lett. 9:931-938. Ref. Mar.1966. 385 T29
- 43850 ZANETTI, G., and FORTI, G. Studies on the triphosphopyridine nucleotide-cytochrome f reductase of chloroplasts. J. Biol. Chem. 241(2):279-285. Jan.25,1966. 381 J824
- 43851 ZHDANOVA, E. B. Effect of ultraviolet irradiation on some biochemical changes in seeds of winter rye. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:179-183. 1965. 20 M857
- 43852 ZIRZOW, B., BORNER, R., and GORING, H. The RNA content of unsoaked embryos of two Zea mays L. inbred lines and their line hybrids. (Ge) Flora [Jena] 156(1):127-138. Ref. Aug.20,1965. 450 F66

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 43853 ANGLADETTE, A., and MARTY, T. The documentation and publications services. (Fr) Agron. Trop. [Paris] 20(10):1072-1088. Oct. 1965. 26 Ag86
Includes a list of publications 1960-1965. Bibliography, p.1076-1088, of the Institute of Tropical Agronomy and Food Crop Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres.
- 43854 ANGLADETTE, A. The IRAT [Institute of Tropical Agronomy and Food Crop Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres]. (Fr) Agron. Trop. [Paris] 20(10):1064-1069. Oct.1965. 26 Ag86

- 43855 BELOZER, I. I. The agrotechnical efficiency of farm crops on slopes. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:84-88. Jan.1966. 20 V633
English summary.
Includes plowing and soil erosion control.
- 43856 BOUR, F. Five years after. (Fr) Agron. Trop. [Paris] 20(10):941-944. Oct. 1965. 26 Ag86
Work of the Institute of Tropical Agronomy and Food Crop Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres.
- 43857 BREDOW-STECHOW, W. VON. Bean-oat mixture on light soils. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):44,46. Jan.13,1966. 18 N39
- 43858 CAYEUX, J. Organisation and management of the Institute [of Tropical Agronomy and Food Plant Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres]. (Fr) Agron. Trop. [Paris] 20(10):945-951. Oct. 1965. 26 Ag86
- 43859 CHERNOMAZ, P. A., and KOROL'KOV, L. P. Comparative productivity of basic field crops under conditions of the northern part of central Chernozem Belt. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:15-20. 1965. 20 M857
In relation to crop rotation.
- 43860 DENMARK. STATENS PLANTEAVLSKONTOR. Beretning fra Statens Planteavlsudvalg for finansaret 1964-65 [Report from the Crop Research Service [Statens Planteavlskontor] for the fiscal year 1964-65]. Kobenhavn, 1965. 19 p. 11 D412A
- 43861 DESHPANDE, A. M. Suggestions for crop planning in the Nagpur division of Maharashtra State. Nagpur Agr. Coll. Mag. 38(4):13-20. 1964/65. 107.5 N132
- 43862 DOYARENKO, A. G. Zhizn' polya [The life of the field]. Ed. 2. Moskva, Kolos, 1965. 69 p. SB187.U4D6
Field crop culture.
- 43863 FIVE years of activity of the IRAT [Institute of Tropical Agronomy and Food Crop Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres]. (Fr) Agron. Trop. [Paris] 20(10):939-1090. Oct.1965. 26 Ag86
A special issue; includes preface by D. Pepy.
- 43864 FORENINGEN AF JYDSKE LANDBOFORENINGER. PLANTEAVLSUDVALGET. 65. beretning om planteavlsarbejdet i landboforeningerne i Jylland, ved Johs. Olesen [Report on the plant breeding work of the agricultural associations in Jutland, by J. Olesen], 1965. Odense, 1966. 790 p. 11 J98F
- 43865 GISIGER, L. Considerations on autumn culture. (Ge) Grune 93(39):1350-1360. Sept.24, 1965. 17 Sch9
Field crop culture and rotations in Switzerland.
- 43866 GORIN, A. P., and PRIEZDHEV, G. V. Selection and breeding of seeds in Timiryazev Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya]; 100th anniversary. (Rus) Selek. Semenovodstvo 1:45-54. Jan./Feb.1966. 61.9 Se5
Field crops and fruit.
- 43867 GRUNEWALD, G. Thoughts on catch crops. (Ge) Chem. Tech. Landwirt. 16(8):248-249. Aug.1965. 384 C4292
- 43868 HAVERSTOCK, N. A. Crops for the Tropics. Americas 18(2):11-17. Feb.1966. 150.9 Am34
Field crops.
- 43869 HURKENS, R. M. Varietal selection. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorzichting Jaarnummer 1964:5-8. 1965. 12 N3833J
Field crops.
- 43870 KABYSH, S. The spring sowing campaign and harvest prospects. Munich. Inst. Stud. USSR. Bull. 12(7):43-47. July 1965. 280.9 M922B
Field crops acreage in USSR.
- 43871 KAPAS, S. and others. Minositett novenyfajtink [Our certified plant varieties]. Budapest, Mezogazdasagi Kiado, 1965. 215 p.,map. SB108.H8K3
I. Komjati, Zs. Papp, J. Szerafin, and P. Tomcsanyi, joint authors.
Field and horticultural plants.
- 43872 MANSSON, E. Results of variety and fertilizer trials in Ostergotland Province. III. (Sw) Ostergotlands Lans Hushallningssalsk. Handl. 1965:95-220. 11 Sw32H
Field crops.
- 43873 MARINOS, I. P. Rotation of crops. (Gr) Athens. Emporikon Biomechanikon Epimeletrion. Delt. 40(5):7-9. May 1965. 286.9 At4
- 43874 MINNESOTA, AGRICULTURAL EXPERIMENT STATION. Varietal trials of farm crops. Minn. Agr. Exp. Sta. Misc. Rep. 24,rev.,20 p.,map. Dec.1965. 100 M66
- 43875 OZAKI, K., OKA, H., and SAITO, S. Studies of rotation systems. 5. The relationship between crops sequence and their fertilizer management. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:51-65. Dec.1965. 107.6 H68
English summary.
- 43876 PAMMER, F. Problems of summer catch crop culture. (Ge) Forderungsdienst 13(4):125-127. Apr.1965. 19 F75
Austria.
- 43877 PARE, J. Definition of research programs connected with development and the use of regional analysis. (Fr) Agron. Trop. [Paris] 20(10):1057-1059. Oct.1965. 26 Ag86
Agronomy.
- 43878 PAVLIN, J. Experiments with the culture of catch crops in the district of Pisek. (Cz) Za Vysokou Urodu 13(7):254-255. July 2,1965. 64.8 Z12
- 43879 POORTEN, G. VAN. The scientific thought of the IRAT [Institute of Tropical Agronomy and Food Plant Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres]. (Fr) Agron. Trop. [Paris] 20(10):952-958. Oct.1965. 26 Ag86
- 43880 SAMVIRKENDE LANDBOFORENINGER I FYNSTIFT. PLANTEAVLSUDVALGET. Beretning om planteavlsarbejdet i landboforeningerne i Fyn Stift 1965, ved J. Lindegaard [Report on crop culture by the agricultural associations in Fyn Province, by J. Lindegaard], 1965. Odense, 1966. 212 p.,map. 11 F963
- 43881 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER. PLANTEAVLSUDVALGET. Planteavlsarbejdet. Niels Pedersen [Crop culture, by Niels Pedersen], 1965. Aarhus, 1966. 201 p. 451 Sa4
- 43882 SCHUSTER, W. The suitability of Lathyrus L. as a stubble crop. (Ge) Z. Acker- Pflanzenbau 123(2):145-154. Ref. Jan.1966. 18 J825
English summary.
- 43883 SCHUSTER, W. Zwischenfruchtbau nach der Getreideernte [Catch crop culture after the grain harvest]. Mitt. Deut. Landwirt.- Ges. Illus. Beilage 7,8 p. July 22,1965. 18 N39A
- 43884 SEIFFERT, M., ed. Landwirtschaftlicher Pflanzenbau [Field crop culture]. Berlin, Deutscher Landwirtschaftsverlag, 1965. 494 p.,map. Ref. SB185.S4
Teaching in East Germany
- 43885 STEPANOV, V. N., GOLUNOVA, N. K., and SOLOV'EVA, Z. I. Comparative yielding capacity and productivity of agricultural crops under zem Belt. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:5-13. 1965. 20 M857
With reference to crop rotation.
- 43886 VALLAEYS, G. The doctrine of the IRAT [Institute of Tropical Agronomy and Food Plant Research, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres]. (Fr) Agron. Trop. [Paris] 20(10):959-963. Oct.1965. 26 Ag86

- 43887 VRKOC, F. Is the rotation of crops expedient? (Cz) *Za Vysokou Urodu* 13(7):251-252. 13(7):251-252. July 2, 1965. 64.8 Z12
Effect on yields of field crops.
- 43888 WANG, S. C. The Chinese lesson: how to grow crops in saline soil. *Karachi Com.* 17(34):3-4. Sept.4/11, 1965. 280.8 K14
Cotton and wheat.
- Cereals
- 43889 ABERG, E. How to get good winter cereal yields. (Sw) *Lantmannen* 76(17):4-7. Aug.21, 1965. 11 L234
- 43890 BAEVA, R. Study of methods to overcome hybrid sterility between *Triticum aestivum* and *Secale cereale*. (Ge) *Bulgarska Akad. Nauk. Dokl.* 81(5):489-491. Ref. 1965. 512 So2
- 43891 BARAEV, A. Measures to increase productivity in the virgin lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 104:9-11. Nov.17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso
Grain production.
Translation from *Trud*, Sept.24, 1965, p.2.
- 43892 BARAEV, A. I. Peculiarities of agrotechnique. (Rus) *Zemledelie* 1:32-33. Jan.1966. 20 Z44
Wheat culture.
- 43893 BELOZOROV, A. I. Value of proper crop rotation. (Rus) *Zemledelie* 1:34-35. Jan.1966. 20 Z44
Grain culture.
- 43894 BENGTTSSON, A., and OHLSSON, I. Utsadesmangdsforsk med varsad. Trials with different seed rates of spring wheat, two-rowed barley and oats. Uppsala. *Lantbrukshogsk. Medd. Ser. A*, 43,34 p.,map. 1966. 11 Up62
English summary.
- 43895 BERSHTEIN, E. M. Australian wheats. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:138. Jan. 1966. 20 V633
- 43896 BOCKHOLT, A. J., and HAVELKA, U. D. Summary of the 1965 corn performance tests. *Tex. Agr. Exp. Sta. Progr. Rep. PR-2380*, 13 p. Nov.30, 1965. 100 T31P
- 43897 BOUMA, J. Spring barley VRz, a 1965 new variety. (Cz) *Za Vysokou Urodu* 13(8):284-286. Aug.2, 1965. 64.8 Z12
- 43898 BOURKE, D. O. Rice in the West African Sahel and Sudan zones. *Sols Afr.* 10(1):43-55. Ref. Jan./Apr.1965. 56.8 So4
Text also in French, p.57-70.
Culture.
- 43899 CHABROLIN, R. Rice culture. (Fr) *Agron. Trop. [Paris]* 20(10):966-971. Oct.1965. 26 Ag86
Tropics.
- 43900 CLARKE, G. J. Cereal production in East Anglia. *Nat. Inst. Agr. Bot. J.* 10(2):341-343. 1965. 103 N21J
- 43901 CORNU, A. Maize hybrids of Morocco. II. Double-cross hybrids. (Fr) *Awamia* 14:1-17, map. Jan.1965. 24 Aw1
English summary.
- 43902 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Barley variety trials 1959-64. (Da) *Tidsskr. Planteavl* 69(3):440-443. 1965. 11 T439
- 43903 DENT, J. W., and BOYD, A. G. Yield and composition of three varieties of spring oats harvested as green fodder and as grain and straw under upland conditions in Scotland. *Nat. Inst. Agr. Bot. J.* 10(2):180-187. 1965. 103 N21J
- 43904 DERSCHIED, L. A., and others. Corn production guide; a summary of recommendations. S. Dak. State Univ. Ext. FS 291,6 p.-folder, map. Jan.1966. 275.29 So85Fs
R. A. Cline, E. E. Sanderson, E. J. Langin, E. P. Adams, K. R. Frost, B. H. Kantack, W. L. Berndt, and L. S. Wood, joint authors.
- 43905 DERSCHIED, L. A., and others. Small grain production guide; a summary of recommendations. S. Dak. State Univ. Ext. FS 294, chart, map. Jan.1966. 275.29 So85Fs
R. A. Cline, E. E. Sanderson, E. J. Langin, E. P. Adams, K. R. Frost, B. H. Kantack, W. L. Berndt, and L. S. Wood, joint authors.
- 43906 DOROFEEV, A. I. Winter wheat variety Lutezens 12. (Rus) *Selek. Semenovodstvo* 1:57-59. Jan./Feb.1966. 61.9 Se5
- 43907 DREIER, A. F., NORDQUIST, P. T., and GRABOUSKI, P. H. Performance of sorghum hybrids and varieties in Nebraska, 1965. *Nebr. Agr. Exp. Sta. Outstate Testing Circ.* 120, 40 p.,map. Jan.1966. 100 N270
- 43908 EBERT, D., and KRATZSCH, G. Analysis of agricultural technique in grain culture. (Ge) *Deut. Landwirt.* 16(12):476-480. Dec.1965. 18 D4822
- 43909 ERROUX, J. Varieties of hard wheat. (Fr) *Potasse* 39(328):171-175. Oct.1965. 57.8 P84
- 43910 ETASSE, C. Improvement of millet *Pennisetum* in Senegal. (Fr) *Agron. Trop. [Paris]* 20(10):976-980. Oct.1965. 26 Ag86
- 43911 FADRHONS, J. Dobrovicka 5, new 1965 variety of wheat. (Cz) *Za Vysokou Urodu* 13(8):282-283. Aug.2, 1965. 64.8 Z12
- 43912 FIDDIAN, W. E. H. Varieties of winter and spring wheat. *Nat. Inst. Agr. Bot. J.* 10(2):344-348. 1965. 103 N21J
- 43913 GANZ, G. Summer grain culture 1966. (Ge) *Grune* 94(6/2):180-183. Feb.11, 1966. 17 Sch9
Switzerland.
- 43914 GARTNER, K. From seed to malt; large-scale barley culture trials in Hungary, 1964. (Ge) *Monatsschr. Brauerei* 18(5):124-127. May 1965. 390.8 B7323
- 43915 GENTER, C. F., and others. Corn performance tests in Virginia in 1965. *Va. Agr. Exp. Sta. Res. Rep.* 103,20 p. Dec.1965. 100 V81R
M. W. Alexander, H. M. Camper, G. D. Jones, F. S. McClaugherty, and C. W. Roane, joint authors.
- 43916 GORYAINOV, V. N. Increasing cultivation of valuable grain. (Rus) *Zemledelie* 1:38-39. Jan.1966. 20 Z44
Buckwheat.
- 43917 GRITSENKO, V. V. Grain legumes as best preceding crops for winter wheat. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:91-95. 1965. 20 M857
- 43918 GRUNEWALD, G. Ideas on wheat culture. (Ge) *Chem. Tech. Landwirt.* 16(10):319-320. Oct. 1965. 384 C4292
- 43919 HARAJ, C. New 1965 variety of spring barley K 104. (Cz) *Za Vysokou Urodu* 13(7):242-243. July 2, 1965. 64.8 Z12
- 43920 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Maiz; bibliografia de las publicaciones que se encuentran en la Biblioteca Conmemorativa Orton [Corn; bibliography of publications available in the Orton Memorial Library]. *Inst. Interamer. Cienc. Agr. Bibl. Conmen. Orton. Bibliogr.* 3(sup.), 188 p. June 1964. 241 In86L
- 43921 ITO, H. Studies on maintenance of genetic stocks and a breeding system for rice plants based on long-term seed storage. (Ja) *Tokyo. Nat. Inst. Agr. Sci. Bull. Ser. D (Plant Physiol. Genet. Crops Gen.)* 13:163-230. Ref. Mar. 1965. 451 C433
English summary.
- 43922 KAJIWARA, K. Study of the system of planting rice crop twice a year in a paddy field. (Ja) *Ehime Univ. Mem. Sect. VI, Agr.* 10(2):255-283, map. Dec.1964. 107.6 Eh33
English summary.
- 43923 KARAMAN, L. Which wheat varieties from various people's republics are most suitable to the conditions of the Czechoslovak SSR? (Cz) *Za Vysokou Urodu* 13(2):57-58. Feb.1, 1965. 64.8 Z12

- 43924 KARLIN, A. N. A profitable plant. (Rus) Zemledelie 1:39-40. Jan.1966. 20 Z44 Buckwheat.
- 43925 KIMBER, D. S. Trials of rye varieties for forage, 1957-63. Nat. Inst. Agr. Bot. J. 10(2):195-203. 1965. 103 N21J
- 43926 KIMBER, D. S. Winter wheat varieties completing primary trials, 1964. Nat. Inst. Agr. Bot. J. 10(2):161-168. 1965. 103 N21J
- 43927 KURTEN, P. W., and GANSSMANN, W. Influence of site and fertilizing on yield and quality of oats. (Ge) Z. Acker- Pflanzenbau 123(2): 121-144. Ref. Jan.1966. 18 J825 English summary. Rotation experiments.
- 43928 LE CONTE, J. Brief history and current trend of varietal improvement carried out with sorghum. (Fr) Agron. Trop. [Paris] 20(10):972-975. Oct.1965. 26 Ag86
- 43929 LE CONTE, J. Work in the field of corn improvement. (Fr) Agron. Trop. [Paris] 20(10): 981-986. Oct.1965. 26 Ag86 Africa.
- 43930 LEE, E. W. Studies on the ecological characteristics of the rice varieties in Korea. IV. Effect of different seeding times on the heading and yield factors, and its varietal difference. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:14-34. Ref. May 1965. 442.9 So84 English summary.
- 43931 LI, H. W., HU, C. H., and WU, S. C. Further report on mutation breeding of rice in Taiwan since 1957. Acad. Sinica. Inst. Bot. Bot. Bull. N. S. 6(2):131-143. Ref. July 1965. 451 Ac1B
- 43932 LIN, J. C. The multiplication of superior rice seeds on Taiwan. Newslett. Seeds Mon. 1(9):1-4. Nov.1965. 61.8 C47
- 43933 MAMONTOVA, V. N. A important factor in increase of yielding and quality of wheat seeds. (Rus) Selekt. Semenovodstvo 1:20-22. Jan./Feb.1966. 61.9 Se5 Selection and varieties.
- 43934 MEDERSKI, H. J., VANDOREN, D. M., and HOFF, D. J. Narrow-row corn: yield potential and current developments. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):322-323. Ref. 1965. 290.9 Am32T
- 43935 METELEV, V. YA. Water regime of soils under maize in the extreme arid south-east zone. (Rus) Pochvovedenie 2:32-41. Feb. 1966. 57.8 P34 English summary. Effects of planting density on soil moisture.
- 43936 MILBOURN, G. Maize for grain—a break crop in cereal growing? Great Brit. Min. Agr. Fish. Food. Agr. 73(1):32-36. Jan.1966. 10 G79J Includes costs.
- 43937 MORRISON, D., and BLACKETT, G. A. Spring barley variety trials in north-east Scotland 1959-63. Nat. Inst. Agr. Bot. J. 10(2):188-194. 1965. 103 N21J
- 43938 MUKHIN, N. D. Increasing grain yielding. (Rus) Zemledelie 1:36-37. Jan.1966. 20 Z44 Proper cultivation.
- 43939 NATIONAAL INSTITUUT VOOR BROUWGERST, MOUT EN BIER, T.N.O. Jaarboekje [Yearbook], 1966. n p., 1966. 136 p. 390.9 N21 English summaries.
- 43940 ORBAIZ, A. Problems of corn culture. (Sp) Soc. Rural Argent. An. 99(9):58-61. Sept.1965. 9 Sol
- 43941 PETERSON, R. H., SENTZ, J. C., and COMPTON, W. A. 1965 Minnesota hybrid corn performance trials. Minn. Agr. Exp. Sta. Misc. Rep. 28,15 p., map. Feb.1966. 100 M66
- 43942 POLLHAMER, E. Production-phytopathological and breeding relationships of the mildew resistant summer barley MK 42. (Hu) Nove-nytermeles 14(4):295-310. Ref. Dec.1965. 64.8 N76 English summary.
- 43943 PORTERES, R. The names of rice in Guinea. (Fr) J. Agr. Trop. Bot. Appl. 12(9/10):369-402, map. (Cont.) Sept./Oct.1965. 26 J822
- 43944 RODRIGUEZ, R., and others. Hybrid wheat, a powerful weapon against world hunger. II-III. (Sp) Agr. Amer. 15(2):16-18, 45, 54; (3):26-27, 30-31, 52-53. Feb.-Mar.1966. 58.8 Ag832 M. A. Quinones, N. E. Borlaug, and I. Narvaez, joint authors. English summary for part III, leaf following front cover.
- 43945 ROSENOW, D. T., and HADDOX, T. E. Performance of grain sorghum hybrids at 14 test locations in south and central Texas in 1965. Tex. Agr. Exp. Sta. Progr. Rep. PR-2403, 18 p. Jan.29,1966. 100 T31P
- 43946 SARPE, N. Winter wheat culture after the culture of corn treated with atrazine? (Rum) Rev. Gosp. Agr. Stat 17(10):11-12. Oct.1965. 21 R32 Effect on yields and residual effectiveness.
- 43947 SCAPACCINO, G. New views on planting. (It) Agricoltura 14(9):72-74. Sept.1965. 16 Ag8226 Grain.
- 43948 SCHREINER, W. Selection of summer grain varieties. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (7):224,226,228. Feb.17,1966. 18 N39
- 43949 SHEVLYAGIN, A. I. Steady crops. (Rus) Zemledelie 1:33-34. Jan.1966. 20 Z44 Grain culture.
- 43950 SHULYNDIN, A. F. Selection and production of winter hard wheat seeds. (Rus) Selekt. Semenovodstvo 1:23-30. Jan./Feb.1966. 61.9 Se5
- 43951 SINITSYN, S. S. Method for evaluation of wheat varieties according to ability to form flour. (Rus) Selekt. Semenovodstvo 1:34-39. Jan./Feb.1966. 61.9 Se5 Selection and analysis.
- 43952 TAKACS, F., NAGY, L., and TURI, I. Agro-techny of rice production. (Hu) Magyar Mezőgazdaság 21(3):13-15. Jan.19,1966. 19 M27 In reference to article by E. Sajo.
- 43953 THIZEAU, P. Culture of hard wheat at Beauce. (Fr) Potasse 39(328):177-179. Oct.1965. 57.8 P84
- 43954 TRAJKOVIC, D. Tests with varieties of barley and oats on territory of Javor and Zlatibor mountains. (Se) Savremena Poljoprivreda 13 (1):84-87. Jan.1965. 21 P75
- 43955 TRNKA, M. Danae, new 1965 variety of the winter wheat. (Cz) Za Vysokou Urodu 13(7): 244-245. July 2,1965. 64.8 Z12
- 43956 TROYANOV, A., and PLATOSHKIN, A. The All-Union Scientific Research Institute of Grain Farming developed new techniques of soil cultivation in the virgin lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116:6-9. Mar.17,1966. (JPRS 34,598; TT 66-31037) 173 J663Tso Grain cultivation. Translation from Ekonomicheskaya Gazeta 5:36. Feb.1966.
- 43957 TSITOKHTSYAN, G. P. Elimination of some lines in breeding elite by the method of multiple selection. (Rus) Selekt. Semenovodstvo 1: 17-19. Jan./Feb.1965. 61.9 Se5 Wheat.
- 43958 ULMANN, L. Improvement of cultural practices of oats in potato producing and mountain region. (Cz) Za Vysokou Urodu 13(5):179-180. May 4,1965. 64.8 Z12 Chiefly planting and fertilizers.
- 43959 VARENITSA, E. T. Proper agronomical measures on all farms. (Rus) Zemledelie 1: 35-36. Jan.1966. 20 Z44 Grain culture and crop rotation.
- 43960 VLACH, M. Productive varieties of spring wheat. (Cz) Za Vysokou Urodu 13(2):77. Feb.1,1965. 64.8 Z12

- 43961 WALKDEN-BROWN, C., and FITZSIMMONS, R. W. Oat variety recommendations for 1966. *Agr. Gaz. New S. Wales* 76(12):734-743, map. Dec. 1965. 23 N472
- 43962 WALKDEN-BROWN, C., and FITZSIMMONS, R. W. Wheat variety recommendations for 1966. *Agr. Gaz. New S. Wales* 76(12):729-731, map. Dec. 1965. 23 N472
- 43963 WALTER, T. L. Kansas corn performance tests, 1965. *Kans. Agr. Exp. Sta. Bull.* 490, 43 p., map. Feb. 1966. 100 K13S
- 43964 WALTER, T. L. 1965 Kansas grain sorghum performance tests. *Kans. Agr. Exp. Sta. Bull.* 491, 45 p., map. Mar. 1966. 100 K13S
- 43965 WILLEY, L. A., and KNIGHT, R. L. Trials of varieties of sorghum. *Nat. Inst. Agr. Bot. J.* 10(2):211-215. 1965. 103 N21J
- 43966 WILTEN, W., and VERMEINE, H. A. Field trials 1965. (Du) *Nat. Inst. Brouwergerst, Mout Bier—T.N.O. Jaarb.* 30:67-81. 1966. 390.9 N21
English summary.
Malting barley culture.
- 43967 ZAVEL, V., and PASTYRIK, J. Proso, a culture suitable for arid areas. (Cz) *Za Vysokou Urodu* 13(8):296-297. Aug. 2, 1965. 64.8 Z12
- 43968 ZWEIFLER, E. Ergebnisse der Mais-Sortenversuche und der österreichischen Versuchshybriden [Results of the corn varieties trials and the Austrian experimental hybrids], 1965. Vienna. Bundesanst. Pflanzenbau Samenprüfung. *Mitt. Versuchsergeb.* 131, 24 p. Feb. 1966. 64.9 V67

Fiber Crops

- 43969 ALEKHIN, A. G. Is there justification for intravarietal hybridization in breeding of cotton? (Rus) *Khlopkovodstvo* 1:30-33. Jan. 1966. 72.8 K522
- 43970 ANDERSON, L. P., and ROGERS, H. V. Plan for quality cotton in 1965. *Clemson Univ. Ext. Cotton Leafl.* 1, 6 p.-folder. Mar. 1965. 275.29 So86C
- 43971 BRYSON, C. P., and others. Harvest all you grow—increase profits; pick dry cotton. La. State Univ. Ext. Ext. Publ. 1433, 6 p.-folder. July 1965. 275.29 L93Ep
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With the assistance of National Cotton Council.
- 43972 BRYSON, C. P., and others. Harvest all you grow—increase profits; what are your losses? La. State Univ. Ext. Ext. Publ. 1434, 6 p.-folder. July 1965. 275.29 L93Ep
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With the assistance of National Cotton Council.
Cotton.
- 43973 CLEMSON UNIVERSITY. EXTENSION SERV. Defoliate cotton for better quality and more profit. *Clemson Univ. Ext. Cotton Leafl.* 3, 6 p.-folder. Aug. 1965. 275.29 So86C
- 43974 HARNESS, V. L. Cotton in India. U. S. Foreign Agr. Serv. FAS-M-170, 17 p., map. Dec. 1965. A281.9 F76Fm
Chiefly culture, industry, and trade.
- 43975 HUBBARD, J. L. Performance of cotton varieties in the lower Rio Grande Valley of Texas, 1963-65. *Tex. Agr. Exp. Sta. MP-798*, 4 p. Feb. 9, 1966. 100 T31M
- 43976 ILTIS, J. Cotton variety trials in Morocco. (Fr) *Awamia* 15:47-89. Apr. 1965. 24 Aw1
English summary.
- 43977 MAZO, E. Z. Continuation of intravarietal hybridization. (Rus) *Khlopkovodstvo* 1:33-35. Jan. 1966. 72.8 K522
Cotton.

- 43978 PURDO PASCUAL, M. Development of cotton culture in the irrigated lands of the Ebro; defoliation and mechanical harvesting; solutions for the future. (Sp) *Agricultura [Madrid]* 399:367-371. July 1965. 15 Ag84
- 43979 SANTHANAM, V. Cotton research for stepping up yield and quality. *Fert. News* 10(12):143-146. Dec. 1965. 57.8 F4123
Cotton breeding and fertilizing.
- 43980 TOL'MACHEV, V. B. Results from intravarietal hybridization. (Rus) *Khlopkovodstvo* 1:35-38. Jan. 1966. 72.8 K522
Cotton.
- 43981 TYAPKINA, T. N. Methods for increase of cotton quality in Vakh Basin. (Rus) *Khlopkovodstvo* 1:8-11. Jan. 1966. 72.8 K522

Forage Crops and Grasses

- 43982 ALDRICH, D. T. A. New and existing herbage varieties. *Nat. Inst. Agr. Bot. J.* 10(2):293-298. 1965. 103 N21J
- 43983 BANGMA, J. Grassland improvement through seedings. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer* 1964:55-56. 1965. 12 N3833J
- 43984 BARDOSSY, A. Increasing our protein-production associated with grown mass fodder plants. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek* 5(1):51-64. Ref. 1965. 105.9 Ir2
English summary.
- 43985 BASILE, J. V., and HUTCHINGS, S. S. Twig diameter-length-weight relations of bitterbrush [*Purshia tridentata*]. *J. Range Manage.* 19(1):34-38. Jan. 1966. 60.18 J82
In relations to range yields.
- 43986 BENGTSSON, A. Forsok med gronfoder av baljvaxter och strasad [Trials with green fodder mixtures of cereals and pulses]. Uppsala. *Lantbrukshogsk. Medd. Ser. A*, 41, 37 p. Ref. 1966. 11 Up62
- 43987 BERENTSCHOT, J. Grassland use and farming results. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer* 1964:57-59. 1965. 12 N3833J
Management.
- 43988 BILLOT, C. A report on a mission to Spain. (Fr) *Fourrages* 21:93-103. Mar. 1965. 60.8 F82
English summary, p.110.
Pasture management.
- 43989 BOJTOS, Z. Part of the perennial leguminous plants played in the protein supply. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek* 5(1):65-70. 1965. 105.9 Ir2
English summary.
Culture.
- 43990 BONNEMAISON, P. Report to the Government of Brazil on grassland and fodder development in northeast Brazil. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 2000, 47 p., map. Ref., p.33-38. 1965. 281.9 F733E
Project BRA/TE/PL.
- 43991 BORGET, M. Forage crops. (Fr) *Agron. Trop. [Paris]* 20(10):996-999. Oct. 1965. 26 Ag86
Research program in Africa.
- 43992 BRZOSTOWSKI, H. W., and OWEN, M. A. Production and germination capacity of buffel grass (*Cenchrus ciliaris*) seeds. *Trop. Agr. [St. Augustine]* 43(1):1-10. Jan. 1966. 26 T754
Tanzania.
- 43993 CAPUTA, J. Problems in evaluating the production of mountain grasses. (Fr) *Fourrages* 23:149-154. Sept. 1965. 60.8 F82
English summary, p.171.
- 43994 CLAVIER, C. Possibilities of improving pastures in the Syrian Desert. (Fr) *Fourrages* 21:68-77. Mar. 1965. 60.8 F82

- 43995 COLEOU, J. Choice of an intensive forage system. (Fr) *Potasse* 39(327):147-151. Aug./Sept. 1965. 57.8 P84
Forage plant culture.
- 43996 CONNOR, H. E. Breeding systems in New Zealand grasses. VI. Control of gynodioecism in *Cortaderia richardii* (endl.) Zotov. *New Zeal. J. Bot.* 3(4):233-242. Dec.1965. 450 N48
- 43997 COOPS, D. Range renewal. *J. Range Manage.* 19(1):44-45. Jan.1966. 60.18 J82
Western States.
- 43998 COURANJOU, J. An attempt to classify the lucerne on a physiological basis. (Fr) *Fourrages* 21:78-92. (Cont.) Mar.1965. 60.8 F92
Testing varieties of *Medicago media*, a hybrid of alfalfa and sickle alfalfa under various weather conditions.
- 43999 COURANIOU, J. An attempted physiological classification of lucerne varieties on the basis of their behavior and adaptation to various Algerian regions. (Fr) *Fourrages* 23:127-142. (Cont.) Sept.1965. 60.8 F82
English summary, p.169.
- 44000 DAWSON, J. L. The consumers' requirements for herbage seeds. *Nat. Inst. Agr. Bot. J.* 10(2):289-293. 1965. 103 N21J
Breeding.
- 44001 DELCURE, J. Evaluation of yields in forage production. (Fr) *Fourrages* 21:62-67. Mar. 1965. 60.8 F82
English summary, p.109.
- 44002 DEMELA, J. Should clover stands be complex or of single variety. (Cz) *Za Vysokou Urodu* 13(12):467-468. Dec.7,1965. 64.8 Z12
Planting.
- 44003 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with Kentucky bluegrass, roughstalk bluegrass and red fescue. (Da) *Tidsskr. Planteavl* 69(3):450-453. 1965. 11 T439
- 44004 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with red clover, 1960-64. (Da) *Tidsskr. Planteavl* 69(3):444-447. 1965. 11 T439
- 44005 DOBROKHLIEB, I. F. Cultivation of lupine on fallowlands. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:78-83. Jan.1966. 20 V633
English summary.
- 44006 ENGLAND, J. C. Seed production of barrel medic 173 [*Medicago truncatula*]. *Agr. Gaz. New S. Wales* 76(12):721-724. Dec.1965. 23 N472
- 44007 FLEISCHER, E., BIEDER, W., and THOMAS, S. Planning feed requirement in LPG type I. (Ge) *Tierzucht* 20(1):13-17. Jan.1966. 49 T443
Forage plants culture.
- 44008 FREGEAT, J. Temporary pasture on mountain farms. (Fr) *Rev. Elevage* 21(1):59,61-62,65-66,69. Jan.1966. 49 B462
- 44009 GATES, D. H. Cooperation and planning—keys to development and integration of public and private rangelands. *J. Range Manage.* 19(1):1-4. Jan.1966. 60.18 J82
Range management in the Western States
- 44010 GEERLOF, A. J. On hay harvesting. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfs-voorlichting Jaarnummer* 1964:17-19,21. 1965. 12 N3833J
- 44011 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Grass and grassland. Great Brit. Min. Agr. Fish. Food. Bull. 154,114 p. 1966. 10 G794B
Pasture management and culture.
- 44012 GRIFFITHS, D. J. Breeding for higher seed yields from herbage varieties. *Nat. Inst. Agr. Bot. J.* 10(2):320-331. Ref. 1965. 103 N21J
- 44013 HAMERNIK, F. Most suitable composition of summer and afterharvest planting mixtures of forage plants. (Cz) *Za Vysokou Urodu* 13(6):234-235. May 4,1965. 64.8 Z12
- 44014 HANSEN, L., and KJELLERUP, C. M. Methods of planting clover on marshland. (Da) *Tidsskr. Planteavl* 69(3):377-385. 1965. 11 T439
- 44015 HAWKINS, R. P., and CLOUTING, G. M. The identification of varieties of perennial ryegrass, cocksfoot, timothy and meadow fescue. *Nat. Inst. Agr. Bot. J.* 10(2):223-242. 1965. 103 N21J
- 44016 HENTGEN, A. Comparison of techniques for sowing alfalfa-grasses mixture. (Fr) *Fourrages* 23:103-126. Ref. Sept.1965. 60.8 F82
English summary, p.167.
- 44017 HUGHES, G. P. Methods and techniques in herbage seed production. *Nat. Inst. Agr. Bot. J.* 10(2):308-311. 1965. 103 N21J
- 44018 HUOKUNA, E. The use of tetraploid red clover in pasture. *Suomen Maataloustieteellinen Seura. Julkaisu* 107:148-153. 1965. 20 Su7
- 44019 IKEDA, H., and TAKAHASHI, Y. Estimation of the soiling yields of annual summer forage crops. 1. Estimation by the plant height. (Ja) *Crop Sci. Soc. Japan. Proc.* 34(2):114-119. Dec.1965. 22.5 C88
English summary.
- 44020 IZINGER, P. Correlation between the structure of sowings and the increase of protein production. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek* 5(1):123-129. 1965. 105.9 Ir2
English summary.
Forage plants.
- 44021 JONES, C. M. Problems in herbage seed production. *Nat. Inst. Agr. Bot. J.* 10(2):303-307. 1965. 103 N21J
- 44022 KABIS, E. Experiences and results of the 1965 pasture competition in the Halle district. (Ge) *Deut. Landwirt* 17(2):84-86. Feb.1966. 18 D4822
- 44023 KAERIYAMA, Y., YAHARA, N., and YAHATA, S. On the cultivation and productivity of the orchard grass and timothy in the Tokachi district of Hokkaido. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 87:38-45, map. Ref. Dec. 1965. 107.6 H68
English summary.
- 44024 KAPAS, S. The protein problem in the light of the variety problem. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek* 5(1):136-142. 1965. 105.9 Ir2
English summary.
Forage plants.
- 44025 KLEMME, M. Report to the Government of Saudi Arabia on pasture development and range management, with respect to increasing livestock production. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 1933,27 p., map. 1965. 281.9 F733E
- 44026 KLESNIL, A., and VELICH, J. On the problems of cultural practices of alfalfa grown for seed. (Cz) *Za Vysokou Urodu* 13(2):67-68. Feb.1,1965. 64.8 Z12
Chiefly planting and yields.
- 44027 KRAUTZER, H. Fertilizing and use of field forage stands and new permanent pastures. (Ge) *Forderungsdienst* 13(4):121-125. Apr. 1965. 19 F75
Austria.
- 44028 KUZNETSOV, V. S., and BEBIN, S. I. Comparative evaluation of methods and rate of planting of broadbeans in the Moscow Region. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:105-114. 1965. 20 M857
As forage plant.
- 44029 LUSTIG, H. Forsok med skordetider och stubbhojder i vallatervaxt. Trials with dates of cutting and heights of stubble in ley aftermath. *Uppsala. Lantrbrukshogsk. Medd. Ser. A*, 40, 23 p. 1965. 11 Up62
English summary.

- 44030 MADERO, G. E. Course of forage culture. (Sp) Soc. Rural Argent. An. 99(4):24-26,47, map. (Cont.) Apr.1965. 9 So1
- 44031 MAHOU, A. Notes on a dry year. (Fr) Fourrages 21:3-9. Mar.1965. 60.8 F82
English summary, p.106.
Reducing harmful effects of 1964 drought by proper pasture management.
- 44032 MICHALKO, E. Cultural practices of replanting meadows and pastures of the district of Liptovsky Mikulas. (Cz) Za Vysokou Urodu 13(12):465-466. Dec.7,1965. 64.8 Z12
- 44033 NAGY, Z. Increasing the yield of meadows and pastures. (Hu) Iregszemcse. Delkelet-dunantuli Mezogazdasagi Kiserleti Intezet Kozlemenyek 5(1):91-104. 1965. 105.9 Ir2
English summary.
- 44034 NATIONAL INSTITUTE OF AGRICULTURAL BOTANY. Report of the eighth crop conference on 15th and 16th December, 1964. Nat. Inst. Agr. Bot. J. 10(2):288-374. Ref. 1965. 103 N21J
Herbage seed and grain production.
- 44035 NICA, V. Improvement of cultures and ground utilizations for fodders. (Rum) Probl. Econ. [Bucharest] 18(4):73-89. Apr.1965. 280.8 P947
English summary, p.169.
- 44036 PAATELA, J., and RAININKO, K. Harvesting experiments of red clover seed crop. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:260-271. Ref. 1965. 20 Su7
English summary.
- 44037 PEGLOW, E. Problems of pasture management in LPG type I. (Ge) Tierzucht 20(1):12-13. Jan.1966. 49 T443
- 44038 PORTZ, H., and SHRIVER, V. L. Frost heaving cuts yields. Hoard's Dairyman 111(5):292. Mar.10,1966. 44.8 H65
For alfalfa.
- 44039 PUMPHREY, F. V. Residue management in Kentucky bluegrass (*Poa pratensis* L.) and Red fescue [*Festuca rubra* L.] seed fields. Agron. J. 57(6):559-561. Ref. Nov./Dec.1965. 4 Am34P
Post-harvest removal of straw and stubble.
- 44040 RAVANTTI, S. The productiveness of some Finnish local ecotypes of red clover and its dependence on certain characteristics. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:272-299, map. Ref. 1965. 20 Su7
English summary.
- 44041 ROCHA, A. V. Notes on the culture of *Crotalaria usaramoensis* at the Central Livestock Station [Estacao Zootechnica Central] in Mariano Machado. (Por) Gaz. Agr. Angola 10(12):687-689. Dec.1965. 24 G252
- 44042 ROSSOUW, C. DE W., and DE KOCK, G. C. Die invloed van beweiding en stikstofbemesting op vier *Festuca arundinacea* polikruisnageslagte onder besproeiing in die Karoo [The effect of grazing treatments and different levels of nitrogen fertilization on four *Festuca arundinacea* polycross progenies]. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 38,7 p. Ref. 1965. 24 So863
- 44043 SCHWEIZER, E. W. Recent developments in forage beet breeding. (Ge) Grune 94(8):253-256. Feb.25,1966. 17 Sch9
- 44044 STRAFELDA, J. Culture of the forage cabbage by direct planting. (Cz) Za Vysokou Urodu 13(2):69-70. Feb.1,1965. 64.8 Z12
- 44045 TEARE, I. D., MOTT, G. O., and EATON, J. R. Beta attenuation—a technique for estimating forage yield in situ. Radiat. Bot. 6(1):7-11. Ref. Feb.1966. 450 R11
- 44046 TEITTINEN, P. The value of red clover as preceding crop. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:175-190. Ref. 1965. 20 Su7
English summary.
- 44047 ULMANN, L. On the problems of culture of oats for ensiling at the time of flowering. (Cz) Za Vysokou Urodu 13(6):212-214. May 4,1965. 64.8 Z12
As green cut.
- 44048 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Bluebunch wheatgrass (*Agropyron spicatum*), selected references, 1920-1964, with annotations, by M. L. Gould. Portland, Oreg., 1965. 10 p. A60.1 G73
- 44049 VASHCHENKO, A. P. Interplanting of corn, soybeans and broadbeans in the Maritime Territory. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:61-68. 1965. 20 M857
As forage plants, includes yields.
- 44050 VELICH, J., and KLESNIL, A. On the problems of cultural practices of alfalfa grown for seeds. (Cz) Za Vysokou Urodu 13(5):185-187. May 4,1965. 64.8 Z12
- 44051 VENTURI, G. The polyphytic meadow in relation to consolidation of sloping lands and productivity. (It) Raccolto 7(1):4-8. Jan.31,1966. 16 R11
Management.
- 44052 WATERSON, H. A. Trials of swedes and turnips in the West of Scotland, 1959-62. Nat. Inst. Agr. Bot. J. 10(2):216-222. 1965. 103 N21J
- 44053 WHITAKER, R. B. Grass is back on Upper Clayhole. Our Publ. Lands 15(1):15-16. Summer 1965. 156.55 Ou7
Reseeding projects and management; Upper Clayhole Resource Conservation Area.
- 44054 WHITE, W. J. *Dolichos* [lablab] shows its versatility. Queensland Agr. J. 92(1):58-59. Jan. 1966. 23 Q33
As a forage plant.
- 44055 WILLIAMS, W. A. Range improvement as related to net productivity, energy flow, and foliage configuration. J. Range Manage. 19(1):29-34. Ref. Jan.1966. 60.18 J82
- 44056 WOLFFHARDT, D. Persian clover, a new forage plant. (Ge) Forderungsdienst 13(4):128-132. Apr.1965. 19 F75
Austria.
- 44057 ZALESKI, A. White clover seed production. Nat. Inst. Agr. Bot. J. 10(2):311-316. 1965. 103 N21J

Oil Crops

- 44058 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with strains of white mustard. (Da) Tidsskr. Planteavl 69(3):448-449. 1965. 11 T439
- 44059 HIIVOLA, S. L. Investigations with oil crops at the Department of Plant Husbandry in 1942-1963. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:90-102. Ref. 1965. 20 Su7
English summary.
- 44060 LOOF, B. Harvesting of oil plants. (Sw) Svensk Frotidn. 34(6):89-91. June 15,1965. 61.8 Sv2
- 44061 ORBAIZ, A. The peanut, its culture. (Sp) Soc. Rural Argent. An. 99(4):40-42,45-46, map. Apr. 1965. 9 So1
- 44062 SHANE, J. F., and others. Results of the Kentucky soybean performance tests—1965. Ky. Agr. Exp. Sta. Progr. Rep.159,11 p., map. Feb.1966. 100 K41Pr
L. Link, S. H. Phillips, J. W. Herron, and C. Tutt, joint authors.
Varieties, yields, herbicides, rate-of-planting, fertilizers.
- 44063 TAHIR, W. M. Groundnut improvement in the Sudan. Exp. Agr. 1(3):225-235. Ref. July 1965. 10 Ex72
Culture.

- 44064 TAYLOR, D. New immigrant plant has promising future. *Western Farmer* 43(7):24-25. Jan. 1966. 47.8 W27
Crambe, oil seed crop, being raised in Oregon.

Sugar Crops

- 44065 ARTEMENKO, V. I. Growing sugar beets on drained peat soils. (Rus) *Sakharn Svekla* 1: 25-26. Jan.1966. 66.8 Su393
- 44066 BALAN, V. N. Rate for sowing of seeds and the methods of thinning monogerm sugar beet stock seedlings. (Rus) *Sakharn Svekla* 1: 29. Jan.1966. 66.8 Su393
- 44067 BASSEREAU, D. Sugarcane. (Fr) *Agron. Trop.* [Paris] 20(10):1000-1003. Oct.1965. 26 Ag86
Culture in Africa.
- 44068 BERGMANN, F. Thoughts on sugar beet harvesting. (Ge) *Grune* 93(39):1361-1364. Sept.24,1965. 17 Sch9
Switzerland.
- 44069 BRUMMER, V. The use of polyploid seed for sugar beet cultivation in Finland. *Suomen Maataloustieteellinen Seura. Julkaisu* 107:215-227. 1965. 20 Su7
- 44070 EFREMOV, A. E. Value of seed and seeds size in selection of monogerm sugar beets. (Rus) *Sakharn Svekla* 1:30-31. Jan.1966. 66.8 Su393
- 44071 FORSGSUDVALGET FOR SUKKERROE-DYRKNING. Forsogsarbejdet, 1962-64, ved Sven Oien [Research work by the Research Board for Sugar Beet Culture, 1962-64, by Sven Oien]. Slagelse, 1965. 64 p. 66.9 F77
- 44072 FRADKINA, D. L. Mezhotnensk sugar beet variety. (Rus) *Selek. Semenovodstvo* 1:59-61. Jan./Feb.1966. 61.9 Se5
-Latvia.
- 44073 FRATILA, E. Rational organization of the harvesting and transport of sugar beets. (Rum) *Indus. Aliment.* 16(7):365-367. July 1965. 389.8 In26
English summary.
- 44074 GOMOZOV, D. G. Advantages of crop rotation in growing sugar beets. (Rus) *Sakharn Svekla* 1:6-10. Jan.1966. 66.8 Su393
- 44075 GONZALEZ TORINO, H. Sugarcane culture in Uruguay. I. (Sp) *Agr. Amer.* 15(2):26-27,48, 62,map. Feb.1966. 58.8 Ag832
- 44076 GRUNEWALD, G. Culture and fertilizing of beets. (Ge) *Chem. Tech. Landwirt.* 17(2):51-52,54. Feb.1966. 384 C4292
- 44077 HARRIS, L., CLANTON, D. C., and ALEXANDER, M. A. Sugar beet tops and modern sugar beet production. *Amer. Soc. Sugar Beet Technol. J.* 13(5):432-447. Ref. Apr.1965. 66.9 Am35J
Sugar beet tops as silage; includes statistics.
- 44078 HUGHES, C. G. Disease resistance of approved varieties. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart.* 29(3):100-102. Jan.1, 1966. 65.9 Q3C
- 44079 JONES, C. D. Varieties for new land in the Far North. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart.* 29(3):93-95. Jan.1,1966. 65.9 Q3C
- 44080 KOVACEVIC, V. The effect of thinning dates of sugar beets on root yield and quality under classical and precision seeding conditions, with natural and technically processed seeds. (Se) *Savremena Poljoprivreda* 13(4):303-310. Apr.1965. 21 P75
English summary.
- 44081 MCALLEESE, C. M. Oddities. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart.* 29(3):96. Jan.1,1966. 65.9 Q3C
Varieties.

- 44082 PETERSEN, R. Harvesting technique for sugarcane. (Ge) *Z. Zuckerindus.* 15(8):478. Aug.20,1965. 65.8 D48
Includes mechanization.
- 44083 PRICE, C. Breeding sugar beets for resistance to the cyst nematode *Heterodera schachtii*. *Amer. Soc. Sugar Beet Technol. J.* 13(5):397-405. Apr.1965. 66.9 Am35J
- 44084 ROUILLARD, G. History of sugar estates of the Island of Mauritius. (Fr) *Rev. Agr. Sucriere Ile Maurice* 44(3):143-181,map. July/Sept.1965. 24 M44
Sugarcane culture.
- 44085 STRASS, W. Current procedures in sugar beet harvesting. (Ge) *Chem. Tech. Landwirt.* 16 (11):348,350-352. Nov.1965. 384 C4292
- 44086 WILLEY, L. A. Sugar beet trials, 1957-63. *Nat. Inst. Agr. Bot. J.* 10(2):204-210. 1965. 103 N21J
- 44087 YASHCHENKO, V. G. Increasing sugars in sugar beets. (Rus) *Sakharn Svekla* 1:38-39. Jan.1966. 66.8 Su393
Selection and proper cultivation.

Tobacco

- 44088 AKEHURST, B. C. Effect of planting time on yield and quality of flue-cured tobacco in Iringa district Tanzania. *Exp. Agr.* 1(4):305-313. Ref. Oct.1965. 10 Ex72
- 44089 BULONG, H. P. White burley production. *Philippine Tobacco Rev.* 2(2):12-15,43. Apr./Oct.1965. 286.89 P53
- 44090 CHERVAKOV, D. P. Initial material in breeding resistant tobacco varieties to peronospora. (Rus) *Tabak* 4:23-26. 1965. 69.8 T112
- 44091 GOLDEN, B. A., DUKES, P. D., and JENKINS, S. F. Performance of flue-cured tobacco varieties and breeding lines in Georgia, 1965. *Ga. Agr. Exp. Sta. Mimeogr. Ser.* (n.s.)247, 35 p. Jan.1966. 100 G293M
- 44092 INGHAM, S. Through the season with a kut-saga-grown crop. 6. *Rhodesian Tobacco J.* 17(12):25,27. Dec.1965. 69.8 R34
Includes fertilizers.
- 44093 INGHAM, S. Through the season with a kut-saga-grown crop. 7. *Rhodesian Tobacco J.* 18(1):21-23. Jan.1966. 69.8 R34
Includes fertilizers.
- 44094 LEONOV, I. P. Fifty years of All-Union Research Institute for Tobacco Growing [Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki]. (Rus) *Tabak* 4:40-44. 1965. 69.8 T112
- 44095 MADAMBA, U. V., and MAGNO, C. L. Topping and suckering of native cigar-filler tobacco. *Philippine Tobacco Rev.* 2(1):17-18. Jan./Mar. 1965. 286.89 P53
- 44096 NAVARRO, A. P. Saripa short: little giant of cigar-filler varieties. *Philippine Tobacco Rev.* 2(2):10-11,19,31. Apr./Oct.1965. 286.89 P53
- 44097 SKULA, K. Burley 15, new 1965 variety of tobacco. (Cz) *Za Vysokou Urodu* 13(12):442-443. Dec.7,1965. 64.8 Z12
- 44098 VANBERCIE, R. Tobacco. (Fr) *Agron. Trop.* [Paris] 20(10):1004-1006. Oct.1965. 26 Ag86
Culture in Africa.

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 44099 FICH, C. What is to be understood by the concept gardening? (Da) *Horticultura* 20(2):19-20. Feb.1966. 80 H7825

- 44100** FLETCHER, H. R. The national trust for Scotland's spring cruise to Irish gardens—May 1965. Roy. Hort. Soc. J. 91(2):86-90. (Cont.) Feb.1966. 84 L84J
- 44101** FLETCHER, H. R. The national trust for Scotland's spring cruise to Irish gardens—May 1965. IV. Roy. Hort. Soc. J. 91(3):111-113. Mar.1966. 84 L84J
- 44102** GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Cloche cultivation. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 375, Rev., 7 p. Nov.1965. 10 G79La
Vegetables, fruit, and ornamental plants.
- 44103** GREAT BRITAIN NATIONAL AGRICULTURAL ADVISORY SERV. LUDDINGTON EXPERIMENTAL HORTICULTURE STATION. Report for 1964. Stratford-on-Avon, 1965. 189 p. 84 G796R
- 44104** HANTEN, H. Cultural experiences in the tower glasshouse. (Ge) Bodenkultur 16(3):294-296. Sept.1965. 19 B635
Austria.
- 44105** HOFFMANN, I. Setting up of garden work with upper class pupils at the Kupferzell Rural Women's School. (Ge) Ausbildung Beratung Land- Hauswirtsch. 18(7):141. July 1965. 18 N11
- 44106** KECSKES, T. The watering of home gardens. (Hu) Buvar 10(4):206-208. July/Aug.1965. 410 B98
- 44107** NICHOLSON, J. A. H. New light on the glass-house industry. Nottingham. Univ. Sch. Agr. Dept. Agr. Econ. Farm Manage. Notes 34:35-39. Autumn 1965. 281.9 N842
- 44108** SZABO, I. Some ideas on planning. (Hu) Kerteszeti Szolozs. 15(2):3-4. Jan.1966. 80 K474
Horticulture.
- 44109** VIRGINIA STATE HORTICULTURAL SOCIETY. Proceedings, seventieth annual meeting, and Woman's Auxiliary, twenty-sixth annual meeting, January 17, 18, 19, 1966, Roanoke, Virginia. Va. Fruit 54(2), 152 p. Feb.1966. 81 V81B
- 44110** VRIE, C. VAN DE, and RECHSTEINER, P. H. Pruning of windbreaks is in a development phase as yet. (Du) Groenten Fruit 21(27):1228-1229. Jan.19, 1966. 80 G89
- 44120** KERR, C. Diversification, quality are words to live by at Columbia River Orchards. West. Fruit Grower 19(12):10-11. Dec.1965. 95.8 G762
Culture, orchard management and marketing, in Washington.
- 44121** LARSEN, R. P. Diversification and modernization of growing, harvesting and handling. Va. Fruit 54(2):77-81. Feb.1966. 81 V81B
- 44122** LEGKOSTUP, S. S. Fruit culture in Mongolian Democratic Republic. (Rus) Sadovodstvo 11:45. Nov.1965. 80 Sa12
- 44123** MODORAN, I. Advanced cultural practices as a decisive factor of high and constant yields of fruit orchards. (Rum) Gradina, Via Livada 14(6):51-54. July 1965. 80 G75
- 44124** PATUTINA, L. G., and ANZIN, B. N. Fruit culture in Academy. (Rus) Sadovodstvo 11:2-5. Nov.1965. 80 Sa13
Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademich].
- 44125** POILANE, E. The fruit trees of Indochina. (Fr) J. Agr. Trop. Bot. Appl. 12(9/10):438-453. (Cont.) Sept./Oct.1965. 26 J822
A taxonomic description.
- 44126** TARASENKO, M. T. New technology of growing planting stock and its role in the intensification of culture of perennials. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:355-363. 1965. 20 M857
Chiefly propagation of fruit.
- 44127** U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing fruit for home use in the northern Great Plains. U. S. D. A. Home Gard. Bull. 111, 18 p., map. Jan. 1966. 1 Ag84Hg
- 44128** VERMISHYAN, A. M. Back in the history. (Rus) Sadovodstvo 2:45-46. Feb.1966. 80 Sa13
Fruit culture in Armenia.
- 44129** VINTILEANU, N. A few measures for the development of intensive fruit culture on state farms. (Rum) Rev. Gosp. Agr. Stat 17(8):10-13. Aug.1965. 21 R32
Chiefly planting and rootstocks.
- 44130** VITKOVSKII, V. L. Fruit culture in Afghanistan. (Rus) Sadovodstvo 2:42-43. Feb.1966. 80 Sa13

Fruits—General

- 44111** AUJESZKY, L. The period of fruit tree flowering. (Hu) Elovilag 10(3):160. 1965. 410 EL6
- 44112** BOMEKE. Does spraying with hormones to thin fruit pay and how much does it cost compared with hand thinning? (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):136-137. Apr.1965. 85 J76
- 44113** DONSKIKH, N. P. New trends in fruit pruning. (Rus) Sadovodstvo 11:18-20. Nov.1965. 80 Sa13
- 44114** DZHANGALIEV, A., PRYANIK, V., and ABRA-MENKO, N. Virgin hills in Sevenrivers. (Rus) Sadovodstvo 2:10-11. Feb.1966. 80 Sa13
Fruit culture.
- 44115** FURNER, B. G. My international garden. Org. Gard. Farming 13(4):26-29. Apr.1966. 57.8 Or32
Fruit and vegetable varieties and culture in Great Britain.
- 44116** GROZA, T. New contribution to the terracing of slopes for fruit culture. (Rum) Gradina, Via Livada 14(6):59-62. July 1965. 80 G75
- 44117** GRYAZEV, V. Considering rootstock in propagation of fruit. (Rus) Sadovodstvo 11:23-24. Nov.1965. 80 Sa13
- 44118** GUKAS'YAN, A. S. On recently irrigated soils. (Rus) Sadovodstvo 2:9-10. Feb.1966. 80 Sa13
Fruit culture in Chimkent Region.
- 44119** GYURO, F. Pruning of fruit trees with intensive crown. (Hu) Kerteszeti Szolozs. 15(2):16-17. Jan.1966. 80 K474

Fruits—Citrus and Subtropical

- 44131** AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Long-term citrus experiment—further results from Griffith. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 52:20-24. Sept.1965. 23 R88
Culture of oranges.
- 44132** BERGH, B. O., and GARBER, M. J. Avocado yields increased by interplanting different varieties. Calif. Avocado Soc. Yearbook 48:78-85. Ref. 1964, pub.1965. 81 C128
- 44133** BERGH, B. O., and STOREY, W. B. Character segregations in avocado racial-hybrid progenies. Calif. Avocado Soc. Yearbook 48:61-70. Ref. 1964, pub.1965. 81 C128
Breeding.
- 44134** BURNS, R. M., and others. Avocado inarch grafting trials with root rot resistant varieties. Calif. Avocado Soc. Yearbook 48:72-75, 77. Ref. 1964, pub.1965. 81 C128
J. Enderud, W. A. Thorn, and G. A. Zentmyer, joint authors.
- 44135** CALIFORNIA AVOCADO SOCIETY. Yearbook 1964, volume 48. Los Angeles, 1965? 115 p. Ref. 81 C128
- 44136** CASINI, E. Intensive specialized olive culture; ten years of research, experimentation, and demonstration by Professor N. Breviglieri. (Sp) Bol. Oleicult. Int. 88:23-42. Nov./Dec. 1965. 307.8 B63
Italy.

- 44137 CHAPOT, H. Citrus volkameriana Pasquale. (Fr) Awamia 14:29-45. Jan.1965. 24 Aw1
English summary.
- 44138 CHAPOT, H. Some citrus varieties of Iran. (Fr) Awamia 15:91-109. Apr.1965. 24 Aw1
English summary.
- 44139 COIT, J. E. The California Avocado Society: an historical sketch. Calif. Avocado Soc. Yearbook 48:30-43. 1964,pub.1965. 81 C128
- 44140 CURLEE, D. One man's answer to labor's squeeze. West. Fruit Grower 19(12):27-28,30. Dec.1965. 95.8 G762
Harvesting, harvesting equipment and labor, for oranges; in California.
- 44141 GREECE, HYPOURGEION EMPORIOU, EIDIKON PEIRAMATIKON ERGASTEIRION. Meletepi tou Hellenikou elaioladou. VIII. Elaiokomikon etos 1963-1964 [Study on the Greek olive oil. VIII. Olive oil crop year 1963-1964]. Athens, 1965. 147 p. 307.9 G81
English summary.
Varieties, producing areas, and oil production.
- 44142 LARUE, J. H. Report from the north-Tulare County keeps trying. Calif. Avocado Soc. Yearbook 48:44-45. 1964,pub.1965. 81 C128
Culture.
- 44143 LEYDEN, R. F. Cultural practices and rootstocks in relation to citrus yield, freeze injury, and recovery. Rio Grande Val. Hort. Soc. J. 19:48-50. 1965. 81 L95
- 44144 NORO, T., and others. Study on the picking-fruit efficiency in Satsuma orange harvest. (Ja) Shizuoka, Citrus Exp. Sta. Bull. 5:31-41. Oct.1965. 93.33 Sh62B
R. Takagi, T. Taniguchi, and I. Guchi, joint authors.
English summary.
- 44145 OLSON, E. O. Grafting citrus fruits to small potted seedlings. Rio Grande Val. Hort. Soc. J. 19:20-24. 1965. 81 L95
- 44146 OLSON, E. O., and SLEETH, B. Release to Texas growers of citrus budwood of virus-indexed selections of 11 varieties. Rio Grande Val. Hort. Soc. J. 19:17-19. 1965. 81 L95
- 44147 POPENOE, W. A new avocado of the Mexican race. Calif. Avocado Soc. Yearbook 48:56-57. 1964,pub.1965. 81 C128
- 44148 RICHARDSON, D. L., and HAMILTON, K. S., and HUTCHISON, D. J. Notes on bananas. I. Natural edible tetraploids. Trop. Agr. [St. Augustine] 42(2):125-137. Apr.1965. 26 T754
- 44149 SHEPHERD, J. The views of Janus. Calif. Avocado Soc. Yearbook 48:22-27,29. 1964,pub. 1965. 81 C128
History and outlook of California Avocado Society; includes the California avocado industry.
- 44150 WHITEHEAD, R. A., and THOMPSON, B. E. Introduction and exchange of coconut planting material. Nature [London] 209(5023):634-635. Feb.5,1966. 472 N21
Coconut breeding and germination for disease resistance.
- 44151 ANDRONOV, I. G. Low-growing trees in Kazakhstan. (Rus) Sadovodstvo 2:23-24. Feb. 1966. 80 Sa13
Propagation of apples and pears.
- 44152 BABENKO, G. V. Rootstocks of Zumi and Sargenti apples varieties. (Rus) Sadovodstvo 11:25. Nov.1965. 80 Sa13
Cold resistant.
- 44153 BARABASH, N. A. Rootstocks and quality of yields. (Rus) Sadovodstvo 11:26. Nov.1965. 80 Sa13
Propagation of deciduous fruit.
- 44154 BARSUKOV, N. Naturally propagated orchard. (Rus) Sadovodstvo 2:18. Feb.1966. 80 Sa13
Apples.
- 44155 CARLONE, G. Pear rootstocks. (It) Agricoltura 14(9):31-44. Ref. Sept.1964. 16 Ag8226
- 44156 CHERNENKO, E. S. Use of root-cuttings in fruit propagation. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:89-95. Jan.1966. 20 V633
English summary.
Apples.
- 44157 CHRISTENSEN, J. V. Rootstocks for apple trees. (Da) Tidsskr. Planteavl 69(3):367-373. Ref. 1965. 11 T439
English summary.
- 44158 DODD, B. C. Chemical thinning on delicious apples in the Stanthorpe district, Queensland. Queensland J. Agr. Anim. Sci. 22(2):193-203. June 1965. 23 Q37
- 44159 ESAYAN, G. S. Pruning under condition of dry and hot climate. (Rus) Sadovodstvo 11:15-16. Nov.1965. 80 Sa13
Deciduous fruit.
- 44160 FLOOR, J. Trials at Middelrode. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:166-170. 1965. 86 B65
Propagation fruit.
- 44161 GADZHIKHANOV, B. Peaches in southern Dagestan. (Rus) Sadovodstvo 11:21-22. Nov. 1965. 80 80 Sa13
- 44162 HOW WE should plan and plant our peach orchards for the future. Va. Fruit 54(2):101-104. Feb.1966. 81 V81B
Panel discussion; moderator: W. Heuser; panel members: J. H. Baugher and R. P. Larsen.
- 44163 HUET, J. Agricultural research and fruit tree culture. (Fr) Rev. Franc. Agr. 11:60-68. Winter 1965/66. 281.8 R328
Deciduous fruits; orchards management.
- 44164 HUSABE, P. Karin Schneider. (No) Norsk Hagetid. 82(1):14-15. Jan.1966. 80 N81
Apple culture.
- 44165 IVANOV, V. F. On Solonetz and saline soils. (Rus) Sadovodstvo 2:19-20. Feb.1966. 80 Sa13
Deciduous fruit culture.
- 44166 JASIK, K. Breeding of apricots in Czechoslovakia. (Cz) Ovocnarstvi Zelinarstvi 13(7):190-191. 1965. 80 Ov64
- 44167 KASIMOV, M. K. Pears in upper Tadzhikistan. (Rus) Sadovodstvo 2:29-30. Feb.1966. 80 Sa13
Varieties.
- 44168 KHABIBULLIN, SH. A. Cold resistant plum rootstock. (Rus) Sadovodstvo 2:21-22. Feb. 1966. 80 Sa13
Selection.
- 44169 KOLESNIKOV, V. A. Seedlings of cultivated apple varieties used as apple rootstocks in Moscow Region. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:333-337. 1965. 20 M857
- 44170 KOVAL', V. T. Regeneration pruning. (Rus) Sadovodstvo 11:22. Nov.1965. 80 Sa13
Peaches.
- 44171 LOEWEL, E. L. The story of the Golden Delicious. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):149-150. Apr.1965. 85 J76
Bred in West Virginia.
- 44172 LUCE, W. A. What are apple growers in Washington State doing to meet the challenge of future over-production? Va. Fruit 54(2):86-90. Feb.1966. 81 V81B
Culture, harvesting and marketing.
- 44173 MAPES, J. W. Close, close, closer. Pear Growers League. Annu. 1936:31. 286.3939 P31
Pear orchard planting.
- 44174 MARGOLIN, A. F. Regeneration of pear dwarf in Crimea. (Rus) Sadovodstvo 2:16. Feb.1966. 80 Sa13
- 44175 MASLOV, S. P. Variety, control and rootstocks. (Rus) Sadovodstvo 11:24-25. Nov. 1965. 80 Sa13
Breeding of cold resistant apples.

Fruits—Deciduous

- 44176 MAURER, K. J. Successful pear culture with ensured yields. (Ge) Obst Gemuse 30(2):7-8. Feb.1966. 286.83 Ob72
- 44177 MORUJU, G. The response of apples on vegetative rootstocks with natural crown grown in orchards. (Rum) Gradina, Via Livada 14(6): 54-59. July 1965. 80 G75
English summary, p.2 following p.93.
- 44178 NIZHARADZE, A. N., and BUCHUKURI, A. D. Industrial varieties of peaches. (Rus) Sadovodstvo 11:31-33. Nov.1965. 80 Sa13
- 44179 OREKHOVA, V. P. Peach variety "Start." (Rus) Sadovodstvo 11:33. Nov.1965. 80 Sa13
- 44180 PLACHINDA, S. Problems in pear breeding. (Rus) Sadovodstvo 2:17. Feb.1966. 80 Sa13
- 44181 POP, E. Tests with cherries in the fruit area of Diosig-Sacuieni, Crisana region. (Rum) Gradina, Via Livada 14(6):62-64. July 1965. 80 G75
- 44182 PRESTON, A. P. The wind factor in orchard tree spacing. Sci. Hort. 18:67-73. 1964/65. 84 H78
Apple trees.
- 44183 PRICA, D., and PASC, I. Transformation of the pyramidal form of crowns of dwarf apples into the espalier form. (Rum) Gradina, Via Livada 14(4):50-56. Apr.1965. 80 G75
English summary.
By grafting.
- 44184 SANSAVINI, S. Considerations on varietal standards of apples and pears. (It) Agr. Ferrarese 68(10):197-210. Oct.31,1964. 16 Ag87
- 44185 SHAITAN, I. M. Introduction and acclimatization of China and Canadian peach varieties. (Rus) Sadovodstvo 11:30-31. Nov.1965. 80 Sa13
- 44186 SHCHERBATKO, D. M. Pruning in Crimea. (Rus) Sadovodstvo 11:17-18. Nov.1965. 80 Sa13
Apples.
- 44187 SMEKHUN, A. Problem in pruning peaches. (Rus) Sadovodstvo 11:22. Nov.1965. 80 Sa13
- 44188 STAMPAR, K. The growth and yields of some table varieties of plums. (Se) Poljoprivredna Znanstvena Smotra 20(8),14 p. 1965. 21.5 Z13
English summary.
Tests.
- 44189 STAMPAR, K. The response of some apple varieties on E.M. IV. (Se) Poljoprivredna Znanstvena Smotra 20(7),16 p. 1965. 21.5 Z13
English summary.
Tests and yields.
- 44190 THOMAS, L. A. Stock and scion investigations. XI. A twenty-year pruning and rootstock trial with apple trees. Queensland J. Agr. Anim. Sci. 22(2):187-192. June 1965. 23 Q37
- 44191 UVAROV, F. Z. Pear from apple seeds. (Rus) Sadovodstvo 2:31. Feb.1966. 80 Sa13
Grafting.
- 44192 VORONOVA, T. G. Pear variety- Lukashévka in Sakhalin. (Rus) Sadovodstvo 2:28. Feb. 1966. 80 Sa13
Cold resistant.
- Fruits—Small**
- 44193 ALEXANDRESCU, I., GRUMEZA, N., and IONESCU, P. Some aspects of the response of grape variety Afuz-Ali under conditions of irrigation. (Rum) Gradina, Via Livada 14(4): 32-37. Apr.1965. 80 G75
- 44194 ALIZOZISHVILI, A. Z. Pruning date and yields. (Rus) Sadovodstvo 2:26. Feb.1966. 80 Sa13
Grapes.
- 44195 ASADULLAEV, A. N. Pruning and yields. (Rus) Sadovodstvo 2:25-26. Feb.1966. 80 Sa13
Grapes.
- 44196 BORBAS, L. New varieties in the Grape Research Institute [Szoleszeti Kutato Intezet]. (Hu) Kerteszlet Szolesz. 15(1):6-8. Jan.1966. 80 K474
- 44197 BOURDIER, L. Development in French viticulture. (Fr) Avenir Agr. 6:21-26. Nov./Dec. 1965. 14 Av32
Acreage for wine production.
- 44198 BOWEN, J. F., FISHER, D. V., and MACGREGOR, D. R. Grape and wine production in British Columbia. Amer. J. Econ. Viticult. 16 (4):241-244. Oct./Dec.1965. 390.9 Am33
- 44199 BULATOVIC, S., and NIKETIC, G. A contribution to the study of the method of evaluation of productive and technological properties of strawberry varieties. (Se) Arh. Poljoprivredne Nauk. 18(60):139-150. Ref. 1965. 21.5 Y9
English summary.
Yields and quality.
- 44200 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 38(418):1341-1364. (Cont.) Ref. Dec.1965. 390.8 B87
National reports on table grapes, state of culture, and prospects of development; Yugoslavia, by M. Jelaska and D. Nastev.
- 44201 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 38(418):1374-1381. (Cont.) Dec.1965. 390.8 B87
National reports on hill culture of grapes; Greece, by J. Kelperis.
- 44202 CROLEY, V. A. New, improved muscadine grapes. Org. Gard. Farming 13(4):53-55. Apr. 1966. 57.8 Or32
Culture.
- 44203 DERRER, H. Review of the grape year 1965. (Ge) Grune 94(5):150-156. Feb.4,1966. 17 Sch9
Cultural aspects in Switzerland.
- 44204 DUPERREX, H. Trial on the planting of black currant cuttings from different parts of the branches. (Fr) Agr. Romande (ser.A)4(10):74-76. Oct.1965. 17 Ag8
- 44205 FRAPSAUCE, M. Planting, replanting, uprooting; a grape culture survey. (Fr) France. Inst. Nat. Appellations Origine Vins Eaux-de-Vie. Bull. 93(107-123. Apr.1965. 390.9 F843
In France.
- 44206 HILDEN, D. Blueberries for all. Org. Gard. Farming 13(4):41-42. Apr.1966. 57.8 Or32
Varieties.
- 44207 HOOG, G. TH. OP'T. Spring planting of strawberries. (No) Groenten Fruit 21(30):1369. Feb.9,1966. 80 G89
- 44208 HORVATH, S., and SZEGEDI, S. A szolo telepitesetol a szuretig [From planting to harvesting of grape]. Budapest, Mezogazdasagi Kiado, 1965. 205 p.,map. Ref.,p.199-202. SB395.H6
- 44209 IL'IN, L. N. Formation of grape bushes in the zone where covering is not needed. (Rus) Sadovodstvo 11:27-29. Nov.1965. 80 Sa13
- 44210 KASUMOV, D. P. Pruning of Rkatsitel grape variety. (Rus) Sadovodstvo 11:29. Nov.1965. 80 Sa13
- 44211 KRIVANEK, V. The effect of rootstocks on the economic properties of the improved grapes. (Cz) Vinohrad 3(4):53-54. 1965. 390.8 V772
- 44212 KRONEBACH. Something on grape varieties. (Ge) Chem. Tech. Landwirt. 16(8):270-271. Aug.1965. 384 C4292
- 44213 KRONENBERG, H. G. Small fruit varieties. (Du) Neth. Dir. Tuinbouw. Mededel. 28(7/8): 391-392. July/Aug.1965. 86 N384
- 44214 KRONENBERG, H. G. Twelve years of small fruit research 1953-1965. I. (Du) Landbouwdocumentatie 22(8):228-232,234-243,246. Feb.19,1966. 241 N38
Literature review.
Breeding.

- 44215 KRONENBERG, H. G. Twelve years of small fruit research 1953-1965. II. (Du) Landbouw-documentatie 22(9):267-273, 275-278, 280-282, 287-292. Feb. 26, 1966. 241 N38
Bibliography, p. 287-292.
Literature review.
Breeding.
- 44216 LIDER, L. A., and SHAULIS, N. Resistant rootstocks for New York vineyards. N. Y. (State) Agr. Exp. Stat. Res. Circ. Ser. 2, 8 p. Dec. 1965. 100 N48R
Grape varieties resistant to root parasites.
- 44217 LYNN, C. D. Two-wire horizontal trellis for Thompson seedless raisin production. Amer. J. Enol. Viticult. 16(4):237-240. Oct./Dec. 1965. 390.9 Am33
- 44218 MOSS, D. E., and GURSANSKY, J. A. Strawberry growing in south Australia. II. S. Australia J. Agr. 69(6):209-215. Jan. 1966. 23 So84
- 44219 MURPHEY, D. Blueberries—grow your own! Org. Gard. Farming 13(4):38-40. Apr. 1965. 57.8 Or32
- 44220 NERGUL', A. M. Chair of viticulture and wine-making [Kafedra Vinogradarstva i Vinodeliya]. (Rus) Sadovodstvo 11:5-7. Nov. 1965. 80 Sa13
On Timiryazev Agricultural Academy.
- 44221 ODSTRCIL, P. First experiments with the culture of grapes in the People's Republic of Mongolia. (Cz) Vinohrad 3(4):58-59. 1965. 390.8 V772
- 44222 PERFONT, G. The high vine: new method of vineyard management. (Fr) Agr. Prat 130(1):30-31. Jan. 1966. 14 J82
- 44223 PEYER, E. Problems of picking and utilizing the grape harvest in eastern Switzerland. (Ge) Schweiz. Z. Obst- Weinbau 101(12):535-538. Oct. 16, 1965. 80 Sch9
Includes quality of grapes.
- 44224 PONGRACZ, D. The condition and varietal purity of American parent plantations in South Africa. (Af) Wynboer, Feb. 1966:23-25. 390.8 W724
For grapes.
- 44225 POPA, C. Some aspects of technical and economic improvement of slopes for the planting of grapes in the Dobruja region. (Rum) Gradi-na, Via Livada 14(6):9-13. July 1965. 80 G75
Includes terracing.
- 44226 RICARDA, D. An interesting crop: Late-season strawberries. (Fr) Bull. Engrais 482:169-171. Aug./Sept. 1965. 57.8 B87
Culture.
- 44227 SAMELSSON, L. E. Growing berries in the garden. (Sw) Varmlands Lans Hushallnings-sallsk. Arsberat. 1964:154-159. 1965. 11 V43
- 44228 SANDAHL, B. Strawberry culture as a special crop. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(3):18-20. 1965. 12 L29
- 44229 SATO, T., and others. Studies on the breeding of strawberries adapted to the northern part of Japan. II. Expression of some characters in S₁ and F₁ populations. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:63-72. Ref. Mar. 1965. 87 M822
T. Hanaoka, T. Takai, and S. Henmi, joint authors.
English summary.
- 44230 SAVZDARG, E. E. Elaboration of prophylactic measures in growing strawberry elite stock and nursery reproductive materials. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:437-440. 1964. 20 M857
- 44231 STEYN, P. A. L. Strawberries in South Africa. Repub. S. Afr. Dep. Agr. Tech. Serv. Bull. 372, 26 p. 1964. 24 So84P
Culture.
- 44232 TRUSHECHKIN, V. G., and others. Growing healthy planting material of black currants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:365-370. 1965. 20 M857
K. V. Shaumyan, V. M. Litvinova, Yu. I. Pomazkov, and A. D. Pozdnyakov, joint authors.
Breeding for resistance to reversion virus and mites.
- 44233 TRUSHECHKIN, V. G. Growing healthy strawberry planting material. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:381-387. 1965. 20 M857
- 44234 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing raspberries. U. S. D. A. Farmers' Bull. 2165, slightly rev., 16 p. Nov. 1965. 1 Ag84F
- 44235 ZAMBROWICZ, E. The culture of everbearing strawberry varieties. (Rum) Gradina, Via Livada 14(4):56-59. Apr. 1965. 80 G75

Nuts

- 44236 FOOTT, J. H. Whitewashing stands the test. Diamond Walnut News 48(1):7. Feb. 1966. 94.68 D34
On walnut culture in California.
- 44237 KRILL, J. Walnut—a tree that belongs in your garden. Org. Gard. Farming 13(4):88-89. Apr. 1966. 57.8 Or32
Varieties and culture.
- 44238 MERENDI, A. The chestnut. (It) Ital. Agr. 102(12):1065-1080. Ref. Dec. 1965. 16 It1
Culture.
- 44239 RAO, Y. Y., RAO, C. B., and DASARADHI, T. B. Studies on air layering of cashew (Anacardium occidentale L.) under East Coast conditions. Andhra Agr. J. 12(5):167-177. Ref. 1965. 34.2 An4

Shade Trees and Ornamental Plants

- 44240 BAKER, J. A. Creative conservation of natural beauty; address before the Virginia Nurserymen's Association, Arlington, Virginia, January 23, 1966. Washington, U. S. D. A., Off. Sec., 1966. 9 p. A281.29 B17
- 44241 BARANOVA, M. V. Giatsint; sistematika, sorta, morfogenez, kul'tura [Hyacinthus; systematics, varieties, morphogenesis, culture]. Moskva, Nauka, 1965. 126 p. Ref. SB413.H9B3
- 44242 BELL, T. For beauty—plant peanuts and Petunias. Org. Gard. Farming 13(4):102-103. Apr. 1966. 57.8 Or32
- 44243 BILLE, O. From North America's wild flora. (No) Norsk Hagetid. 82(8):66-69. Mar. 1966. 80 N81
Wild flowers suitable for culture in Norway.
- 44244 BOEKEL, P. Tulip growing on soils sensitive to slaking. (Du) Neth. Dir. Tuinbouw. Mededel. 28(7/8):381-387. July/Aug. 1965. 86 N384
English summary, p. 417.
- 44245 BOSCH, H., and SCHNEIDER, F. Astilbe varieties. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:124-125. 1965. 86 B65
- 44246 BOSCH, H. Trials with plastic pots. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:153-155. 1965. 86 B65
Cytisus praecox and Clematis.
- 44247 BOSCH, H. Trials with potting mixtures for Clematis and Cytisus. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:70-73. 1965. 86 B65
- 44248 BOSKOOP. PROEFSTATION VOOR DE BOOMKWEKERIJ. Jaarboek [Yearbook of the experimental Station for Shrub Nurseries], 1964. Boskoop, 1965. 197 p. 86 B65

- 44249 BRINHART, B. Plant Dahlia tubers now! Org. Gard. Farming 13(4):43-45. Apr.1966. 57.8 Or32
- 44250 CERNY, F. Is the culture of Cineraria proper and profitable? (Cz) Ovocnarstvi Zelinarstvi 13(7):198-199. 1965. 80 Ov64
- 44251 DIXEN, H. Bromeliaceae. (No) Norsk Hage-tid. 81(11/12):236. Nov./Dec.1965. 80 N81
Varieties for the house.
- 44252 DORAZIL, R. The propagation of Lilium. (Cz) Ovocnarstvi Zelinarstvi 13(7):201. 1965. 80 Ov64
- 44253 DORSMAN, C. Shrub nurseries in South-Eng-land. (Du) Boskoop. Ver. Proefsta. Boom-kwekerij. Jaarb. 1964:158-165. 1965. 86 B65
- 44254 ELK, B. C. M. VAN. Cold storage of plants. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:148-150. 1965. 86 B65
Shrubs.
- 44255 ELK, B. C. M. VAN., and PELLEKOOREN, A. Grafting and budding of Aralia. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:56-59. 1965. 86 B65
- 44256 ELK, B. C. M. VAN. Grafting of Acer [japoni-cum]. (Du) Boskoop. Ver. Proefsta. Boom-kwekerij. Jaarb. 1964:55-56. 1965. 86 B65
- 44257 ELK, B. C. M. VAN. Grafting of Cornus con-troversa "Variegata." (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:62-63. 1965. 86 B65
- 44258 ELK, B. C. M. VAN. Grafting under plastic. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:54-55. 1965. 86 B65
Shrubs.
- 44259 ELK, B. C. M. VAN., and RAVENSBERG, K. Mist propagation. (Du) Boskoop. Ver. Proef-sta. Broomkwekerij. Jaarb. 1964:43-46. 1965. 86 B65
Rhododendron.
- 44260 ELK, B. C. M. VAN. Potting soil for root-stocks. (Du) Boskoop. Ver. Proefsta. Boom-kwekerij. Jaarb. 1964:74-75. 1965. 86 B65
Shrubs.
- 44261 ELK, B. C. M. VAN. Propagation by cuttings. (Du) Boskoop Ver. Proefsta. Boomkwekerij. Jaarb. 1964:32-41. 1965. 86 B65
Shrubs.
- 44262 ELK, B. C. M. VAN. Propagation of cuttings of deciduous Azalea. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:49-54. 1965. 86 B65
- 44263 ELK, B. C. M. VAN. Storage of rose scions. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:146-147. 1965. 86 B65
- 44264 ELK, B. C. M. VAN. Winter propagation by cuttings. (Du) Boskoop. Ver. Proefsta. Boom-kwekerij. Jaarb. 1964:24-30. 1965. 86 B65
Shrubs.
- 44265 EVISON, J. R. B. Ornamental horticulture in exposed situations. Sci. Hort. 18:96-101. 1964/65. 84 H78
Includes use of windbreaks.
- 44266 FLEMER, W. Where will our highway plant-ings come from? Public Works 97(3):88-90. Mar.1966. 290.8 M922
- 44267 FLETCHER, F. Seeding of Forsythia. Roy. Hort. Soc. J. 91(3):129-130. Mar.1966. 84 L84J
Breeding.
- 44268 FOURNET, R. DU. Gardens in France; Andre Le Notre 1613-1700, gardener of the king. (Fr) Rev. Franc. Agr. 10:68-72. Autumn 1965. 281.8 R328
Landscape architecture history.
- 44269 GAARDER, P. Cleopatra's needle—Eremus. (No) Norsk Hagetid. 82(8):62. Mar.1966. 80 N81
Culture.
- 44270 GRAAF, A. DE. Epidendrum cochleatum Lin-naeus and Epidendrum variegatum Hooker, var coriaceum Hooker. (Du) Orchideeen (n.s) 27(3):57. June 1965. 80 Ori82
Includes culture.
- 44271 GRAY, A. Tomorrow's miniature daffodils. Amer. Hort. Mag. 45(1):200-203. Jan.1966. 80 N216
- 44272 GROVEN, I. Storage of woody plants. (Da) Tidsskr. Planteavl 69(3):334-352. 1965. 11 T439
English summary.
- 44273 HANNIBAL, L. S. Tazettas. Amer. Hort. Mag. 45(1):137-140. Jan.1966. 80 N216
Breeding and varieties of Narcissus.
- 44274 HAWKES, A. D. Encyclopaedia of cultivated orchids; an illustrated descriptive manual of the members of the Orchidaceae currently in cultivation. London, Faber & Faber, 1965. 602 p. SB409.H3
- 44275 HORANSZKY, A. Wild flowers in the home garden. (Hu) Buvar 10(3):153-157. May/June 1965. 410 B98
- 44276 INCZE, F. Bulbous ornamental plants in the garden. (Hu) Buvar 10(5):291-294. Sept./Oct. 1965. 410 B98
- 44277 JEFFERSON-BROWN, M. Daffodils in the British Isles. Amer. Hort. Mag. 45(1):165-171. Jan.1966. 80 N216
History and culture.
- 44278 KAAR, E. The juniper, cypress of the North. (Es) Eesti Loodus 2:69-75. Ref. Mar./Apr. 1965. 409.6 Ee7
English summary, p.3 preceeding p.65.
- 44279 KEEBLE, T. Pruning ornamental plants. Au-burn Univ. Ext. Circ. P-52,15 p. Aug.1965. 275.29 AL14Cp
- 44280 KJOLSETH, T. Shrubs under trees. (No) Norsk Hagetid. 82(8):73. Mar.1966. 80 N81
Culture.
- 44281 KNIERIM, W. General cultural requirements. Amer. Hort. Mag. 45(1):6-10. Jan.1966. 80 N216
Narcissus.
- 44282 KNOCK, F. Passifloras for your garden. Kan-sas City, Mo., Diversity Books, 1965. 100 p. SB413.P3K6
- 44283 KOTER, F. Pleione limprichtii R. Schlechter, a new orchid for Czechoslovak rock gardens. (Cz) Ziva 13(2):49-50. Mar.1965. 409.6 Z6
- 44284 LAAR, H. J. VAN DE. Hosta varieties in Dutch nurseries. (Du) Boskoop. Ver. Proef-sta. Boomkwekerij. Jaarb. 1964:127-131. 1965. 86 B65
- 44285 LANDRY, E. L. We keep the mowers moving lest the grass trap them. Public Works 97(3):115-116. Mar.1966. 290.8 M922
Roadside rights-of-way maintenance.
- 44286 LAWRENCE, W. Clematis "Sir Trevor Law-rence." Roy. Hort. Soc. J. 91(3):128-129. Mar.1966. 84 L84J
Varieties.
- 44287 LEE, F. P. Choosing and registering daffodil names. Amer. Hort. Mag. 45(1):204-206. Jan. 1966. 80 N216
Chiefly names of varieties.
- 44288 LEE, G. S., ed. Daffodil handbook. Amer. Hort. Mag. 45(1),227 p. Ref.,p.211-214. Jan. 1966. 80 N216
- 44289 LEE, G. S. Kinds of daffodils. Amer. Hort. Mag. 45(1):11-45. Jan.1966. 80 N216
- 44290 LEE, G. S. Miniature daffodils. Amer. Hort. Mag. 45(1):144-150. Jan.1966. 80 N216
- 44291 LEHECKA, B. Gomphrena globosa. (Cz) Ziva 13(3):101. May 1965. 409.6 Z6
- 44292 LEROY, A. Improvement of rural scenery; shrubs for flower and foliage. (Fr) Avenir Agr. 6:47-49. Nov./Dec.1965. 14 Av32
Planting and varieties.
- 44293 LINK, H. K. Exhibiting and judging daffodils. Amer. Hort. Mag. 45(1):207-210. Jan.1966. 80 N216

- 44294 MEYER, H. Vom Grundstück zum Wohngarten; Planung und Anlage von Hausgarten [From lot to landscaped garden; plans and layouts for gardens]. Ed. 2, rev. Stuttgart, Ulmer, 1965. 237 p. SB473.M4
- 44295 MILDNER, T. Lilies of the field. (Ge) Seifen-Ole-Fette-Wachse 92(4):106-107. Feb.16, 1966. 307.8 Se4
On *Lilium candidum*.
- 44296 MITSCH, G. E. The elusive pink. Amer. Hort. Mag. 45(1):132-136. Jan.1966. 80 N216
Breeding and pink varieties of *Narcissus*.
- 44297 MORRIS, R. M. Forget-me-nots for under-bush beauty. Org. Gard. Farming 13(4):109-110. Apr.1966. 57.8 Or32
- 44298 MULLIGAN, B. O. *Dendromecon harfordii*. Roy. Hort. Soc. J. 91(3):132-133. Mar.1966. 84 L84J
- 44299 NAGY, B. The role of hydroculture in growing ornamental plants in the homes. (Hu) Buvar 10(4):213-215. July/Aug.1965. 410 B98
- 44300 NAKONECHNYI, V. S. Use of hornbeam as ornamental plant. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:124-131. (Not in NAL)
Culture.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:30. Aug.1965.
Film S-203
- 44301 NEMES, L. Cacti covered with white pile. (Hu) Buvar 10(4):238-241. July/Aug.1965. 410 B98
As house plants.
- 44302 NICOLINI, G. Nymphaeaceae, white water lilies. (It) Ital. Agr. 102(12):1109-1135. Dec. 1965. 16 It1
Varieties and culture.
- 44303 NORNES, K. Washington dryad [*Dryas octopetala*]. Norsk Hagetid. 82(1):18. Jan.1966. 80 N81
Culture.
- 44304 PARRETT, R. The Russell lupin. Roy. Hort. Soc. J. 91(3):113-121. Mar.1966. 84 L84J
Culture and varieties of ornamental lupine, *Lupinus polyphyllus*.
- 44305 PATIL, A. V., and VARMA, R. M. A note on the effect of different growing media on rooting of cuttings in *Hibiscus* (*Hibiscus rosa-sinensis* L.). Nagpur Agr. Coll. Mag. 38(3):20-25. 1964/65. 107.5 N132
- 44306 PAZOUT, F. Cacti resistant to the cold. (Cz) Ziva 13(2):60-61. Mar.1965. 409.6 Z6
Chiefly culture of the *Opuntia* spp.
- 44307 PHILLIPS, C. R. Daffodil, *Narcissus*, or jonquill? Amer. Hort. Mag. 45(1):1-5. Jan.1966. 80 N216
History of their names.
- 44308 PHILLIPS, P. Daffodils in New Zealand. Amer. Hort. Mag. 182-184. Jan.1966. 80 N216
History and culture.
- 44309 PHILLPOT, E. W. Daffodils in Australia. Amer. Hort. Mag. 45(1):177-181. Jan.1966. 80 N216
History and culture.
- 44310 PIERCE, E. G. Grow your own perennials from seed. Org. Gard. Farming 13(4):58-60. Apr.1966. 57.8 Or32
- 44311 PLUMRIDGE, A. J. The autumn flower display. J. Agr. [Melbourne] 63(12):582-584. Dec.1965. 23 V66J
Culture.
- 44312 POST, R. E. Some lesser-known species—building blocks of the *Cattleya* genus. Amer. Orchid Soc. Bull. 34(8):708-710. Aug.1965. 80 Am329
- 44313 POTTER, C. H. Greenhouse. XVIII-G. Propagation: alpine aquatic plants, bulbous plants and perennials. Florists' Rev. 138(3564):106-107. Mar.17, 1966. 80 W41
- 44314 PRACHT, K. *Primula sinensis* deserves wider cultivation. (Cz) Ovocnarstvi Zelinarstvi 13(7):202. 1965. 80 Ov64
- 44315 PREISIG, A. The edelweiss [*Leontopodium alpinum*]—emblem of purity. Org. Gard. Farming 13(4):104-105. Apr.1966. 57.8 Or32
Culture.
- 44316 RASMUSSEN, E. Experiments with prematurely ripening of tulips, different times of lifting, and especially high keeping temperature. (Da) Tidsskr. Planteavl 69(3):314-319. 1965. 11 T439
English summary.
- 44317 REISAETER, O. Fine shrubs. (No) Norsk Hagetid. 82(1):6-7. Jan.1966. 80 N81
Viburnum carlesi and *Malus sargentii* culture.
- 44318 REISAETER, O. *Hortensia*, *Hydrangea*. (No) Norsk Hagetid. 81(11/12):226. Nov./Dec.1965. 80 N81
- 44319 REISAETER, O. Sweet mockorange [*Philadelphus coronarius*]. (No) Norsk Hagetid. 82(8):58-59. Mar.1966. 80 N81
Culture.
- 44320 ROVENTA, I., and PAUN, F. Some problems of hybrids of *Gerbera*. (Rum) Gradina, Via Livada 14(4):60-65. Apr.1965. 80 G75
Chiefly culture.
- 44321 ROWLEY, G. *Mirabilis jalapa*, the "marvel of Peru." Roy. Hort. Soc. J. 91(3):126-128. Mar. 1966. 84 L84J
- 44322 SANDVED, G. *Cineraria*—for sale in January. (No) Gartneryrket 56(4):44-45. Jan.21, 1966. 80 G1938
Greenhouse culture.
- 44323 SANDVED, G. Short time culture of *Azalea*. (No) Gartneryrket 56(4):45-46. Jan.21, 1966. 80 G1938
Greenhouse culture.
- 44324 SAUTHOFF, W. Development tendency in ornamental plant culture and in the protection of ornamental plants. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:211-221. June 1965. 410.9 G31M
Includes costs and returns.
- 44325 SCHNEIDER, F. Crossing and selection. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:116-119. 1965. 86 B65
Shrubs.
- 44326 SCHNEIDER, F. Varieties. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:120-124. 1965. 86 B65
Shrubs.
- 44327 SEEMAN, E. Daffodils in the home setting. Amer. Hort. Mag. 45(1):125-128. Jan.1966. 80 N216
- 44328 SINDING-LARSEN, G. Use of perennials. (No) Norsk Hagetid. 81(11/12):239-240. Nov./Dec. 1965. 80 N81
- 44329 SMIT, W. Trials at Noordbroek. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:170-171. 1965. 86 B65
Shrubs.
- 44330 SPRINGER, G. Daffodils in the Netherlands. Amer. Hort. Mag. 45(1):172-176. Jan.1966. 80 N216
History and culture.
- 44331 STANESCU, C. Some aspects of the culture of *Rosa rugosa* Thunb. in the Ploiesti region. (Rum) Rev. Padurilor 80(5):267-269. May 1965. 99.8 R327
- 44332 STEFAN, E. Ornamental trees and shrubs cultivated in the Crisana region. (Rum) Gradina, Via Livada 14(6):65-73. July 1965. 80 G75
- 44333 SZUCS, L. Propagation of cacti from seeds. (Hu) Buvar 10(3):167-169. May/June 1965. 410 B98
- 44334 TCHERNOFF, V. Methods for screening and for the rapid selection of elms [*Ulmus*] for resistance to Dutch elm disease. Acta Bot. Neer. 14(4):409-452. Ref. Jan.1966. 450 Ac822
Caused by *Ceratocystis ulmi*.

- 44335 THOMSON, D. P., and others. Regional culture. Amer. Hort. Mag. 45(1):92-111. Jan.1966. 80 N216
Contents: A, The South Atlantic Coast, by D. P. Thomson; B, The Gulf Coast, by B. Y. Morrison; C, The Corn Belt, by T. D. Throckmorton; D, The Southwest, by E. Hill; E, The Pacific Northwest, by M. W. Evans; F, The Pacific Southwest, by H. Grier. Narcissus.
- 44336 TITHONEN, L. European mountain [Sorbus aucuparia] ash as an ornamental tree. (No) Norsk Hagetid. 82(8):70-72. Mar.1966. 80 N81
- 44337 TOTH, I. New potted ornamentals. (Hu) Kerteszeti Szolozs. 15(1):21-22. Jan.1966. 80 K474
- 44338 TRAMIER, R., and ANDREOLI, C. Method of sanitary selection of Gladiolus from in vitro cultures. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(13):918-922. June 13,1965. 14 P215Bc
For control of Fusarium oxysporum gladioli.
- 44339 TWISS, R. H., and LITTON, R. B. Resource use in the regional landscape. Natur. Resources J. 6(1):76-81. Jan.1966. L9 N19
- 44340 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing Azaleas and Rhododendrons. U. S. D. A. Home Gard. Bull. 71, rev., 8 p. Feb.1966. 1 Ag84Hg
Entomology Research Division, cooperating.
- 44341 VEBER, K. Soilless culture of ornamental plants in People's Republic Germany. (Cz) Ovocnarstvi Zelinarstvi 13(7):203-204. 1965. 80 Ov64
- 44342 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Flower arranging; a 4-H plan and plant for beauty project—indoor gardening series. Wash. State Univ. Ext. E. M. 2583, 12 p. Oct.1965. 275.29 W27Mi
- 44343 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Landscaping the public area; a 4-H plan and plant for beauty project—landscaping series. Wash. State Univ. Ext. E. M. 2589, 15 p. Oct.1965. 275.29 W27Mi
- 44344 WATROUS, R. C. Breeding by amateurs. Amer. Hort. Mag. 45(1):195-199. Jan.1966. 80 N216
Narcissus.
- 44345 WILSON, H. V. P., ed. African violet and gesneriad questions answered by twenty experts. Princeton, N. J., Van Nostrand, 1966. 272 p. SB413.A4W5
- 44346 WISTER, G. S. Daffodils: early and late. Amer. Hort. Mag. 45(1):141-143. Jan.1966. 80 N216
Varieties.
- 44347 WISTER, J. C. Daffodils in the United States. Amer. Hort. Mag. 45(1):155-164. Jan.1966. 80 N216
History and culture.
- 44348 ZANDBERGEN, M. G. Split-corona daffodils. Amer. Hort. Mag. 45(1):151-154. Jan.1966. 80 N216
- 44353 BALDY, B., and HODOSSI, S. Variety problem in economical greenhouse forcing of tomato. (Hu) Kerteszeti Szolozs. 15(1):19-20. Jan. 1966. 80 K474
- 44354 BASTIDE, A., and others. Green beans for canning. (Fr) Potasse 39(327):161-167. Aug./Sept.1965. 57.8 P84
R. De Butler, P. Forzy, and P. De Givy, joint authors. Culture.
- 44355 BETZEMA, J., and SNOEK, N. J. January seedling of cauliflower. (Du) Groenten Fruit 21(26):1181,1183. Jan.12,1966. 80 G89
- 44356 BUIHAND, T. J. Beets for summer culture. (Du) Groenten Fruit 21(33):1493. Mar.2,1966. 80 G89
- 44357 BUIHAND, T. Early endives is a good but risky culture. (Du) Groenten Fruit 21(30): 1361. Feb.9,1966. 80 G89
- 44358 BUTTNER, M. E. Beets and chard—two for the vegetable row. Org. Gard. Farming 13(4):92, 94. Apr.1966. 57.8 Or32
- 44359 CATUNA, I. Through the rotation of vegetables towards high returns. (Rum) Gradina, Via Livada 14(6):25-27. July 1965. 80 G75
- 44360 CHAPMAN, T., and ACLAND, J. D. Investigations on out-of-season tomato production in Trinidad. I-II. Trop. Agr. [St. Augustine] 42 (2):153-162. Ref. Apr.1965. 26 T754
I, The response of tomatoes to different plant densities and cultural treatments; II, The response of tomatoes to foliar application of sucrose and floral application of B-naphthoxyacetic acid.
- 44361 CHAPMAN, T. Some investigations into factors limiting yields of the White Lisbon yam (Dioscorea alata L.) under Trinidad conditions. Trop. Agr. [St. Augustine] 42(2):145-151. Ref. Apr.1965. 26 T754
- 44362 CHIU, A. C. Important commercial varieties of the radish in Taiwan. Newslett. Seeds Mon. 1(10):1-4. Dec.1965. 61.8 C47
- 44363 CHOU, H. C. The principal varieties of turnips in Taiwan. (Ch) Newslett. Seeds Mon. 1(9):9-10. Nov.1965. 61.8 C47
- 44364 EZEDINMA, F. O. C. Some observations on the effect of time of planting on the cowpea [Vigna unguiculata, (L.) Walp.] in southern Nigeria. Trop. Agr. [St. Augustine] 43(1):83-87. Jan.1966. 26 T754
- 44365 FAVILLI, R. The early table tomato. (It) Raccolto 6(9):131-137. Sept.30,1965. 16 R11
Chiefly culture.
- 44366 FORSUND, E. Mechanical or chemical vine killing. (No) Norsk Landbruk 17:9. Aug.27, 1965. 1 N8122
Potato vines.
- 44367 FOURNAISE, M. Culture of garden peas for canning in the Nantais region. (Fr) Potasse 39(327):153-157. Aug./Sept.1965. 57.8 P84
- 44368 GALINAT, W. C. The development of glumeless sweet corn. Seed World 97(8):4-6. Ref. Nov.26,1965. 61.8 Se52
Breeding.
- 44369 GIROTTO, G. Orientation tests on introduction into Maremma of new varieties of cauliflower. (It) Agricoltura 14(9):45-51. Sept.1965. 16 Ag8226
- 44370 GOUDY, R. E. Preparing for a once-over cucumber harvest. Canning Trade 88(19):6-8. Mar.21,1966. 286.83 T67
- 44371 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Handling of purchased seed potatoes. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 538, 5 p. July 1965. 10 G79La
- 44372 GREIG, J. K., and GWIN, R. E. Dry bean production in Kansas. Kans. Agr. Exp. Sta. Bull. 486, 19 p., map. Mar.1966. 100 K13S
- 44373 GRINSVEN, J. VAN. Catch crop tomatoes in Limburg. (Du) Groenten Fruit 21(15):689. Oct.20,1965. 80 G89
Culture.

Vegetable and Truck Crops (Including Potatoes)

- 44349 ABE, I., KAMIMURA, S., and SEYAMA, N. Studies on the unstaked culture for processing tomatoes; some experiments on the direct seeding. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:73-87. Ref. Mar.1965. 87 M822
English summary.
- 44350 AMBAR, A. Contribution to the selection of a variety of peas. (Por) Granja [Lisboa] 23 (1/2):25-30. Jan./June 1964. 15.5 G76
- 44351 BAGBY, J. Good gardening for better living. Auburn Univ. Ext. Circ. P-50, 32 p. Aug.1965. 275.29 AL14Cp
Vegetable culture.
- 44352 BAGBY, J. Pepper production guide. Auburn Univ. Ext. Circ. P-47, 6 p., folder. July 1965. 275.29 AL14Cp

- 44374 GUSTAFSSON, N. Trials of new potato varieties 1964. (Sw) Sveriges Potatisodlares Riksforbund. Potatis 1965:27-31. 75.8 Sv2
- 44375 HAJDU, K. Production of pea seeds in 1965. (Hu) Kerteszeti Szolész. 15(1):15. Jan.1966. 80 K474
- 44376 HAJDU, M. New method for early potato production. (Hu) Magyar Mezogazdasag 21(5):7. Feb.2,1966. 19 M27
Pre-sprouting of seed potatoes.
- 44377 HALLIG, V. A., and AMSEN, M. G. Experiment with tomato varieties in peat and soil at different spacing. (Da) Tidsskr. Planteavl 69(3):402-409. 1965. 11 T439
English summary.
- 44378 HALLIG, V. A., BACHER, E., and DALBRO, K. Tomato varieties 1959-64. (Da) Tidsskr. Planteavl 69(3):386-401. 1965. 11 T439
English summary.
Greenhouse culture.
- 44379 HENMI, S., and NAKAGAWA, H. Studies on Chinese cabbage breeding. V. The difference of hybrid vigor in F₁ hybrid resulted from crossing between self-incompatible strains of leading varieties. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:89-103. Ref. Mar.1965. 87 M822
English summary.
- 44380 HLAVAC, J. Breza, new 1965 variety of potatoes. (Cz) Za Vysokou Urodu 13(12):446-447. Dec.7,1965. 64.8 Z12
- 44381 HOGBORG, E. Planting in cold soil can cause losses in the potato field. (Sw) Lantmannen 76(17):15. Aug.21,1965. 11 L234
- 44382 HOSSLIN, R. VON, and ANDRESEN, F. The proper spacing of Brussels sprouts for one-time picking. (Ge) Weihenstephan. Staatl. Lehr- Forschungsanst. Gartenbau. Jahresber. 1964/65:20-27. 1965. 105.8 W425
- 44383 ISSAKO, L. Little known varieties of cultivated cabbage. (Es) Akad. Nauk Est. SSR. Obsch. Estestvoispyt. Aastaraamat 56:229-238. Ref. 1964. 511 Ak191
German summary.
- 44384 JENSEN, J. Variety trials with wax-podded dwarf French beans, 1962-64. (Da) Tidsskr. Planteavl 69(3):320-327. 1965. 11 T439
English summary.
- 44385 KAMIMURA, S., and others. Studies on tomato varieties for processing imported from foreign countries. Varietal experiment on the strains of San Marzano. (Ja) Morioka. Hort. Res. Sta. Bull. Ser. C, 3:45-62. Ref. Mar. 1965. 87 M822
I. Abe, T. Owada, and N. Seyama, joint authors.
English summary.
- 44386 KOOPMANS, W. The new tomato varieties. III. (Du) Groenten Fruit 21(28):1272-1273. Jan.26,1966. 80 G89
- 44387 KOROS, MRS. L. About the hybrid cucumbers. (Hu) Elovilag 10(3):161-164. 1965. 410 EL6
- 44388 KRAKER, J. DE Which broadbeans: Witkiem or Express? (Du) Groenten Fruit 21(28):1279. Jan.26,1966. 80 G89
- 44389 KROGER, A. Modern culture—modern marketing; an example from Netherlands field vegetable production. (Ge) Indus. Obst- Gemuseverwertung 50(22):873-875. Nov.18,1965. 389.8 K832
- 44390 LIPINSKII, F. B. Preharvest desiccation of radish seed plants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:313-316. 1965. 20 M857
- 44391 LYALL, L. H. Houston Evergreen cabbage. Food Res. Notes 12:3. Sept.1964. 389.8 F7348
- 44392 MOLNAR, S. Early vegetable production under foil. (Hu) Kerteszeti Szolész. 15(1):16-17. Jan.1966. 80 K474
- 44393 MORRIS, E. P. My garden hobby—succulent sweet corn. Org. Gard. Farming 13(4):33-34. Apr.1966. 57.8 Or32
- 44394 MYKLEBUST, E. Lettuce varieties. (No) Gartneryrket 56(3):28. Jan.14,1966. 80 G1938
- 44395 NAGY, J. How much shall we plant? (Hu) Kerteszeti Szolész. 15(2):6-7. Jan.1966. 80 K474
Plant density of green peas.
- 44396 NEARING, H. Raising peas on a spruce trellis. Org. Gard. Farming 13(4):100-101. Apr.1966. 57.8 Or32
- 44397 NECHIPORCHUK, I. D. New potato variety Lvov-white. (Rus) Selek. Semenovodstvo 1:62-63. Jan./Feb.1966. 61.9 Se5
- 44398 OTOMO, H., and KUOKAWA, S. On the history of the utilization of Gyrophora esculenta Miyoshi. (Ja) Natur. Sci. Mus. 32(1/2):1-10. 1965. 409.6 Sh6
- 44399 PAVLEK, P. Some biological and economic properties of Brassica oleracea var. capitata L. with regard to the culture of early varieties in Yugoslavia. (Se) Poljoprivredna Znanstvena Smotra 20(6), 16 p. 1965. 21.5 Z13
German summary.
Includes hardiness and vernalization.
- 44400 PERRY, B. A., WEBB, R. E., and MCLEAN, D. M. Dixie Savoy spinach. Rio Grande Val. Hort. Soc. J. 19:95-97. 1965. 81 L95
Culture.
- 44401 PERRY, B. A. The influence of variety, spacing, and length of growing season on the yield of potatoes. Rio Grande Val. Hort. Soc. J. 19:89-94. 1965. 81 L95
- 44402 POPILIAN, I. Methods of the production of vegetable crops by planting between rows. (Rum) Gradina, Via Livada 14(4):27-31. Apr. 1965. 80 G75
- 44403 POPLACINEL, G. General application of the advanced methods of the culture of vegetables insures high yields. (Rum) Gradina, Via Livada 14(6):21-25. July 1965. 80 G75
- 44404 PRUD'HOMME, J. R. Spacing and training for early tomato crops. (Fr) Awamia 15:111-118. Apr.1965. 24 Aw1
English summary.
- 44405 RIEPMA, P. Doperwtenrassen onderzoek in 1962 en 1963 (serie 194) [Green pea research in 1962 and 1963 (series 194)]. Wageningen. Proefsta. Akker- Weidebouw. Gestencilde Verslagen Interprov. Proeven 108, 20 p. 1965. 105.2 W123G
Varietal tests.
- 44406 RIEPMA, P. Stamslabonenrassen onderzoek in 1964 (series 375) en stikstofbemesting bij stamslabonen (series 376) [Kidney bean varietal investigation in 1964 (series 375) and Nitrogen fertilizing of kidney beans (series 376)]. Wageningen. Proefsta. Akker- Weidebouw. Gestencilde Verslagen Interprov. Proeven. 107, 16 p. 1965. 105.2 W123G
- 44407 SANKIN, L. S. New promising muskmelon varieties for the Novosibirsk Region. (Rus) Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr. 2:74-76. 1964. 451 N853
- 44408 SCOTT, F. H., COOLER, F. W., and CAMPER, H. M. Tomato variety trials, fresh market, 1965. Va. Agr. Exp. Sta. Res. Rep. 104, 16 p. Jan.1966. 100 V81R
- 44409 SHOTTON, F. E. Potato growing in the Netherlands. 1. Great Brit. Min. Agr. Fish. Food. Agr. 73(1):16-19. Jan.1966. 10 G79J
- 44410 SLOBBE, A. Tomato culture without pipe heating. I-II. (Du) Groenten Fruit 21(27):1225; (33):1489. Jan.19,Mar.2,1966. 80 G89
- 44411 SNEDDON, J. L. Notes on seed production experiments with brussels sprouts. Nat. Inst. Agr. Bot. J. 10(2):243-246. 1965. 103 N21J
- 44412 SOITOUT, M. Truck crops. (Fr) Agron. Trop. [Paris] 20(10):993-995. Oct.1965. 26 Ag86
Vegetable culture in Africa.
- 44413 STAUD, J. On the cultural practices of low types of peas. (Cz) Za Vysokou Urodu 13(5):181-182. May 4,1965. 64.8 Z12

- 44414 STRYDOM, E., and HYMAN, L. G. R. The production and marketing of sweet potatoes. Repub. S. Afr. Dep. Agr. Tech. Serv. Bull. 382, 43 p. 1965. 24 So84P
- 44415 TEWARI, G. P. Effects of planting dates on flowering and yields of cowpeas in Nigeria. Exp. Agr. 1(4):253-256. Oct.1965. 10 Ex72
- 44416 UEWADA, T. On the rooting and tuberization of sweetpotatoes from slices of root tubers. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):109-113. Dec.1965. 22.5 C88
English summary.
- 44417 UFFELEN, J. VAN. Cucumber problems. (No) Groenten Fruit 21(30):1365. Feb.9,1966. 80 G89
Culture.
- 44418 VAIDYA, S. J., and PATIL, A. V. Effects of different dates of transplanting and different ages of seedlings on the growth, yield and quality of cabbage. 1. Nagpur Agr. Coll. Mag. 38(4):30-34. 1964/65. 107.5 N132
- 44419 VAN LEENS, K. D. M. The culture of potatoes in Friesland. (Rum) Gradina, Via Livada 14 (4):72-74. Apr.1965. 80 G75
- 44420 VLUG, J. How about cos lettuce? (No) Groenten Fruit 21(30):1361. Feb.9,1966. 80 G89
Chiefly varieties.

WEEDS AND POISONOUS PLANTS

- 44421 ABE, T., and others. Studies on mechanization of field crop cultivation. 2. Effects of weeds on the growth and yield of field crops. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:96-101. Ref. Dec.1965. 107.6 H68
S. Sugimoto, T. Nomoto, and S. Suzuki, joint authors.
English summary.
- 44422 ALKAMPER, J. Damage to sugar beets from simazine. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 17(7):102-103. July 1965. 442.9 B832
- 44423 ALLEY, H. P. A promising future for the control of perennial weeds. Down Earth 21(1/2):8-10. Summer/Fall 1965. 381 D75
Tordon.
- 44424 ALMAZOVA, D. I. Application of herbicides on mountain pastures in northern Caucasus for control of falsehellebore. (Rus) Khim. Sel'skom Khoz. 4(1):35-37. Jan.1966. 385 K524
Veratrum.
- 44425 APPLEBY, A. P. Peppermint weed control research. Oreg. Essent. Oil Growers League. Proc., 17th Annu. Meeting:19. 1966. 308.9 Or3
Terbacil used.
- 44426 ARKUSHA, V. E. Use of herbicides in corn weed control on Chernozem soils in Cherkessy Region. (Rus) Khim. Sel'skom Khoz. 3(11):48-49. Nov.1965. 385 K524
- 44427 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Two-pronged attack on soursob [Oxalis pes-caprae]; a combination of cultivation and spraying treatments gave effective long-term control of soursob on heavy south Australian soils. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 52:30-33. Sept.1965. 23 R88
Chiefly in pastures, cereal belts, and vineyards.
- 44428 AZIMBEGOV, N. Application of herbicides at the time of planting of cotton. (Rus) Khlopkovodstvo 1:28-29. Jan.1966. 72.8 K522
Alanap and Diuron.
- 44429 BACCARINI, A. Autotrophic incorporation of $C^{14}O_2$ in *Cuscuta australis* in relation to its parasitism. Experientia 22(1):46-47. Ref. Jan.15,1966. 475 Ex7
Photosynthetic activity.

- 44430 BACHTHALER, G., and HOYOS, F. GRAF. Herbicide double treatment of beet culture to control the influence of monocotyl and dicotyl weeds on the quality and quantity of the yield. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:206-210. June 1965. 410.9 G31M
With the application of Avadex, Alipur and Pyramin.
- 44431 BAILEY, D. R. Effect of 2,4,5-T preplant soil spraying on the establishment of *Stylosanthes gracilis*. Queensland J. Agr. Anim. Sci. 22(2):215-219. June 1965. 23 Q37
- 44432 BAKER, H. G. Characteristics and modes of origin of weeds. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.147-172. Ref. 1965. QH371.J5
Includes discussion.
- 44433 BOLLE, F. Estimating the distribution of weeds. (Ge) Nachrichtenbl. Deut. Pflanzenschutzdienstes 17(7):103. July 1965. 442.9 B832
- 44434 BOON, W. R. Weedkillers for the amateur gardener. Roy. Hort. Soc. J. 91(3):103-110. Mar.1966. 84 L84J
- 44435 BRENDER, E. V., and MOYER, E. L. Further progress in the control of kudzu. Down Earth 20(4):16-17. Spring 1965. 381 D75
With Tordon.
- 44436 BUKA, A. YA. Application of herbicides on wide-rows of single seed planted corn for forage. (Rus) Khim. Sel'skom. Khoz. 4(1):41-44. Ref. Jan.1966. 395 K524
Atrazine and 2,4-D.
- 44437 CHAPPELL, W. E. Weed control in orchards. Va. Fruit 54(2):107-109. Feb.1966. 81 V81B
Chemical control.
- 44438 CHIKULAEV, V. P. Application of Simazine and Atrazine on leached Chernozem soils in Voronezh Region. (Rus) Khim. Sel'skom Khoz. 3(11):50-52. Nov.1965. 385 K524
Corn.
- 44439 COWELL, B. C. The effects of Silvex on aquatic vegetation and plankton in Central New York farm ponds. Down Earth 21(1/2):19-20. Summer/Fall 1965. 381 D75
Control of aquatic weeds.
- 44440 CULLER, R. C. The Gila River Phreatophyte Project. Ariz. Watershed Symp. Annu. Proc. 9:33-38, map. Sept.22,1965. 292.9 Ar425
Control.
- 44441 DETZ, H. Control of weeds in apples and roses propagated by budding. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:111-113. 1965. 86 B65
- 44442 DETZ, H. Weed control in roses. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:113-114. 1965. 86 B65
- 44443 EVANS, S. A. The role of herbicides in intensive cereal production. Nat. Inst. Agr. Bot. J. 10(2):348-352. 1965. 103 N21J
- 44444 FINERAN, B. A. Studies on the root parasitism of *Exocarpus bidwillii* Hook.f. VI. Haustorial attachment to non-living objects and the phenomenon of self-parasitism. Phytomorphology 15 (4):387-399. Ref. Dec.1965. 450 P566
In New Zealand.
- 44445 FRESHWATER, I. T. Q. 80 is damaged by aerial spraying. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):84-85. Jan.1, 1966. 65.9 Q3C
Effects of herbicides.
- 44446 FRIESEN, G. Wild buckwheat [*Polygonum convolvulus*] control with Tordon. Down Earth 20 (4):9-10. Spring 1965. 381 D75
- 44447 GANTZ, R. L. Postemergence directed application of Dowpon in Illinois corn fields for fox-tail [*Setaria* spp.] control. Down Earth 20(4):23-25. Spring 1965. 381 D75

- 44448 GATAULINA, G. G. Application of herbicides on fields planted with white lupine. (Rus) Mosk. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:137-142. 1965. 20 M857
Weed control.
- 44449 GODDRIE, P. D. Chemical control of small fruit weeds. (Du) Neth. Dir. Tuinbouw. Mededel. 28(7/8):395-397. July/Aug.1965. 86 N384
- 44450 GORING, C. A. I., YOUNGSON, C. R., and HAMAKER, J. W. Tordon herbicide disappearance from soils. Down Earth 20(4):3-5. Spring 1965. 381 D75
Residual effectiveness.
- 44451 GUSCIO, F. J., BARTLEY, T. R., and BECK, A. N. Water resources problems generated by obnoxious plants. Amer. Soc. Civil Eng. J. 91 (WW4,proc.pap.4537):47-60. Nov.1965. 290.9 Am3Ps
- 44452 HARPER, J. L. Establishment, aggression, and cohabitation in weedy species. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.243-268. Ref. 1965. QH371.15
Includes discussion.
- 44453 HAYASE, H. Studies on germination of main arable land weed seeds in Hokkaido. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 88:1-13. Ref. Dec.1965. 107.6 H68
English summary.
- 44454 HEJNY, S. The occurrence of weeds among irrigated field crops. (Cz) Za Vysokou Urodu 13(6):217-219. May 4,1965. 64.8 Z12
Includes control.
- 44455 HIERHOLZER, O. Field tillage without plowing? (Ge) Chem. Tech. Landwirt. 16(8):250-252. Aug.1965. 384 C4292
Weed control with Paraquat.
- 44456 HOOVER, R. F. Chondrilla, a new weed for California. Leaflet. West. Bot. 10(13):255. Feb. 1966. 450 L47
- 44457 HORN, A. VON. Chemical weed control, a possible way to maintain beet culture or lowering of cost. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:156-158. June 1965. 410.9 G31M
With Pyramin.
- 44458 HORNIG, H. A method of saving the second hand hoeing (round hoeing) in beet culture. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:164-166. June 1965. 410.9 G31M
With application of Pyramin.
- 44459 HOWELL, J. T. Cuscuta nevadensis in California. Leaflet. West. Bot. 10(13):250. Feb. 1966. 450 L47
Parasitic on Atriplex hymenelytra and Franseria dumosa.
- 44460 HRUSKA, L., and NOVAK, F. Herbicides in the culture of potatoes. (Cz) Za Vysokou Urodu 13(5):192-193. May 4,1965. 64.8 Z12
- 44461 HUGHES, E. E. Results of field applications of herbicides for control of saltcedar (Tamarix spp.). U. S. Agr. Res. Serv. ARS-34-79,15 p. Jan.1966. A64.9 R31A
- 44462 HURTADO, I. DE. Contact dermatitis caused by the "Manzanillo" (Rhus striata) tree. Inst. Arch. Allergy Appl. Immunol. 28(6):321-327. 1965. 448.8 In8
- 44463 HYATT, S. W. Sagebrush control—costs, results, and benefits to the rancher. J. Range Manage. 19(1):42-43. Jan.1966. 60.18 J82
Chemical control; in Wyoming.
- 44464 JAKUBAC, J. M. Methods borrowed from agriculture aid turnpike maintenance. Public Works 97(2):84-85. Feb.1966. 290.8 M922
Chemical weed control.
- 44465 JERNIGAN, O. M., TABITA, A., and WUNDERLICH, W. E. Control of obnoxious aquatic plants in the Southeast. Amer. Soc. Civil Eng. J. 91(WW4,proc.pap.4536):31-46, map. Nov. 1965. 290.9 Am3Ps
- 44466 JOZSEF, K. The eradication of aquatic plants in small ponds. (Hu) Halaszat 9(6):183. Nov./Dec.1965. 414.8 H12
- 44467 KALMAR, Z. Distinguishing marks of poisonous fungi. (Hu) Bugar 10(4):225-227. July/Aug.1965. 410 B98
- 44468 KAPUSTIN, A. I. Joint application of Tropotox and superphosphates on clover crops. (Rus) Khim. Sel'skom Khoz. 3(11):41-44. Nov.1965. 385 K524
- 44469 KARNATZ, H. Simazine and soil moisture. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):135. Apr.1965. 85 J76
Effects on growth of weeds.
- 44470 KAUPKE, C. R. Injection of preemergence herbicides. Amer. Soc. Sugar Beet Technol. J. 13(5):462-466. Apr.1965. 66.9 Am35J
- 44471 KHODANOVICH, M. A. Results from the study of herbicide application on Malva crops used for forage. (Rus) Khim. Sel'skom Khoz. 3(11):44-46. Nov.1965. 385 K524
- 44472 KONECNY, V., and others. Additive compounds of chloral as a substitute for trichloroacetic acid. (Cz) Agrochemia [Bratislava] 5(5):146-149. Ref. 1965. 385 Ag88
S. Truchlik, J. Synak, and S. Priehradny, joint authors.
English summary.
Herbicides.
- 44473 KORABITSKII, N. K., and POPKOVA, V. I. Application of herbicides to field crops under conditions of the Mordovian ASSR. (Rus) Khim. Sel'skom Khoz. 3(12):67-70. Dec.1965. 385 K524
Includes tests on millet, corn and Sorghum vulgare sudanese.
- 44474 KOSOVAC, Z. Effectiveness of weed control and selectivity of herbicides as applied to alfalfa on Chernozem soils. (Se) Savremena Poljoprivreda 13(4):343-347. Apr.1965. 21 P75
English summary.
- 44475 LAAR, H. J. VAN DE. Control of aquatic plants. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:109-110. 1965. 86 B65
- 44476 LAAR, H. J. VAN DE. Control of liverwort in coldframes. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:107-108. 1965. 86 B65
Marchantia polymorpha.
- 44477 LAAR, H. J. VAN DE. Control of weeds in seedbeds after emergence. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:102-103. 1965. 86 B65
- 44478 LAAR, H. J. VAN DE. Control of weeds of evergreens in the autumn. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:105-107. 1965. 86 B65
- 44479 LAAR, H. J. VAN DE. Control of weeds of perennials. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:103-105. 1965. 86 B65
- 44480 LAAR, H. J. VAN DE. Simazine field trials. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:95. 1965. 86 B65
Control of weeds in shrubs.
- 44481 LAWSON, H. M. Chemical control of bracken fern [Pteridium aquilinum] in the British Isles with Tordon. Down Earth 20(4):13-15. Spring 1965. 381 D75
- 44482 LESAK, J., and KRAJCOVIC, L. Possibilities of the chemical weed control in new stands of alfalfa. (Cz) Agrochemia [Bratislava] 5(6):176-180. Ref. 1965. 385 Ag88
English summary.
- 44483 LJESAR, D. Aretit in the weed control of alfalfa. (Se) Biljni Lek. 10(3):12-13. 1965. 421 B49
- 44484 LOVERIDGE, J. A. Ridding lucerne of dodder. Power Farming Australia New Zeal. Better Farming Dig. 75(1):31. Jan.1966. 58.8 P87
Chemical control.

- 44485 LYNN, G. E. A review of toxicological information on Tordon herbicides. *Down Earth* 20 (4):6-8. Spring 1965. 381 D75
Livestock and wildlife.
- 44486 MAL'NEV, P. P. Effectiveness of simazine. (Rus) *Kukuruz* 11:39-40. 1965. 59.8 K95
Corn weed control.
- 44487 MARTYNOVICH, N. N. The effect of dalapon on weeds and yields of sugar beets. (Rus) *Khim. Sel'skom Khoz.* 3(12):41-43. Dec.1965. 385 K524
- 44488 MEDCALF, J. C., BONTEMPO, A., and FAVRE, G. The use of pre-emergency herbicides in control of weeds in the new coffee plantation. (Por) *Lavoura* 66:22-23. July/Sept.1963. 9.2 L39
- 44489 MELDER, A. The application of herbicides in ornamental plant culture. (Ge) *Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:232-236. June 1965. 410.9 G31M
- 44490 MITICH, L. W. Pasture renovation with 2,4-D in North Dakota. *Down Earth* 20(4):26-28. Ref. Spring 1965. 381 D75
- 44491 MOLBERG, E. S. Experiments with Tordon for weed control in flax. *Down Earth* 20(4):11-12. Spring 1965. 381 D75
- 44492 MORROW, R. R., and HAMILTON, L. S. Killing undesirable vegetation with chemicals. *Cornell Univ. Ext. Cornell Ext. Bull.* 1147, rev., 12 p. Sept.1965. 275.29 N48E
Shrubs, trees, grass.
- 44493 NELSON, R. One-cent-per-pound deduction research fund. *Oreg. Essent. Oil Growers League, Proc., 17th Annu. Meeting*:59. 1966. 308.9 Or3
On Sinbar for *Mentha* weed control.
- 44494 OZENDA, P. Research on the parasitic phanerogams. I. Review of recent works. (Fr) *Phytomorphology* 15(4):311-338. Ref., p.331-338. Dec.1965. 450 P566
English summary.
- 44495 PETERSEN, E. J. Chemical control of weed in winter cereals. (Da) *Tidsskr. Planteavl* 69(3):410-417. 1965. 11 T439
English summary.
- 44496 POWERS, N. R., and SHIPMAN, C. A. Water hyacinth [*Eichhornia crassipes*] control, Sudan, 1964. *U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep.* 1964:27-28. A423.9 R316R
Sudan.
- 44497 PRIDHAM, A. M. S., and SCHWARTZBECK, R. A. Tordon herbicide for control of Japanese bamboo (*Polygonum cuspidatum*) in the Northeastern United States. *Down Earth* 21 (1/2):21-22. Summer/Fall 1965. 381 D75
- 44498 RAGALA, P. The role of selective root herbicides in the culture of grapes. (Cz) *Vinohrad* 3(4):49. 1965. 390.8 V772
- 44499 REECE, F. N. Flame cultivation for weeds. *Hoard's Dairyman* 111(5):290. Mar.10, 1966. 44.8 H65
For field crops.
- 44500 REVELO, M. A. Herbicides; technical advances obtained in Colombia. (Sp) *Agr. Trop.* 21 (11):693-698. Nov.1965. 26 Ag8
- 44501 ROBINSON, D. W. The integration of chemical weed control in horticultural practice. *Neth. Dir. Tuinbouw. Mededel.* 28(7/8):401-412. Ref. July/Aug.1965. 86 N384
Fruit.
- 44502 ROMNEY, D. H. Further experiments with herbicides on young coconuts. *Trop. Agr. [St. Augustine]* 42(2):177-181. Apr.1965. 26 T754
Jamaica.
- 44503 RYCHKOV, V. A. Use of Eptam and Dalapon on sugar beets in Irkutsk Region. (Rus) *Khim. Sel'skom Khoz.* 3(11):46-48. Nov.1965. 385 K524
- 44504 RYDRYCH, D. J., MUZIK, T. J., and ROCHE, B. Chemical fallow in dryland wheat fields. *Wash. State Univ. Ext. E. M.* 2586, 5 p. Oct. 1965. 275.29 W27Mi
Weed control.
- 44505 SAMUS', V. I. Effects of herbicide mixtures on bufallobur [*Solanum rostratum*] metabolism. (Rus) *Khim. Sel'skom Khoz.* 4(1):38-40. Ref. Jan.1966. 385 K524
Corn weed control by mixture of Simazine, Atrazine and 2,4-D.
- 44506 SANNIKOV, G. P. Dates for application of herbicides in control of brush. (Rus) *Khim. Sel'skom Khoz.* 3(11):52-53. Nov.1965. 385 K524
2,4-D and 2,4,5-T.
- 44507 SCHELLING, J. Control of quackgrass on arable land. (Ge) *Chem. Tech. Landwirt.* 16(10):336-337. Oct.1965. 384 C4292
Chemical.
- 44508 SCHLUTER, M. Comparative study on the effect of herbicides on submerged plants and algae under laboratory conditions. (Ge) *Z. Fisch. (n.s.)* 13(1/2):49-61. Ref. 1965. 414.8 Z3
English summary.
The use of amitrrole, simazine and monuron for control.
- 44509 SCOTT, R. F. Problems of multiflora rose spread and control. *N. Amer. Wildlife Natur. Resources Conf. Trans., 30th Conf.*:360-378. Ref. 1965. 412.9 N814
Weedy proclivities.
Includes discussion.
- 44510 SERGEEV, E. V., YAKOVLEVA, L. I., and VIT'KO, I. S. Results from application of chlornitrophen in weed control of legumes. (Rus) *Khim. Sel'skom Khoz.* 3(11):54-55. Nov.1965. 385 K524
- 44511 SHILDRICK, J. P. Weed control in herbage seed crops. *Nat. Inst. Agr. Bot. J.* 10(2):316-320. Ref. 1965. 103 N21J
- 44512 STVAJI, V., and RAO, R. S. Studies on the effect of simazine and atrazine on weed control in hybrid maize. *Andhra Agr. J.* 12(5):153-166. Ref. 1965. 34.2 An4
- 44513 SMID, A., KOHOUT, V., and KALABZA, O. Some problems of weed control in the culture of clover grown for seeds. (Cz) *Za Vysokou Urodu* 13(8):318-319. Aug.2, 1965. 64.8 Z12
- 44514 SOKOLOV, V. S., and MOROZ, K. M. Comparative effectiveness of herbicide application and mechanical soil cultivation on corn crops. (Rus) *Khim. Sel'skom Khoz.* 3(11):71-72. Nov. 1965. 385 K524
- 44515 SOLYANOVA, E. M. Herbicides on light Sierozem soils. (Rus) *Khlopkovodstvo* 1:27-28. Jan.1966. 72.8 K522
Diuron, Fenuron and Monuron on cotton.
- 44516 STAALDUINE, D. VAN, and VERLAAT, J. G. Development of chemical weed control in vegetable growing in the Netherlands. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(5):270-278. May 1965. 86 N384
English summary, p.290.
- 44517 STOHR, W. Labor saving effects of herbicides in sugar beet culture. (Ge) *Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:159-163. June 1965. 410.9 G31M
With Alipur and Pyramin.
- 44518 STORCHAK, G. G., MIN'KOV, B. P., and IVAN-CHENKO, N. YA. Equipment for herbicide application on aromatic rose plantation. (Rus) *Khim. Sel'skom Khoz.* 4(1):63-65. Jan.1966. 395 K524
2,4-D used.
- 44519 STYBLO, J. Results of the practical application of TCA. (Cz) *Za Vysokou Urodu* 13(6):238-239. May 4, 1965. 64.8 Z12
- 44520 SUGGITT, J. W. Hydroxyethylcellulose thickening of herbicides for spray-drift-control. *Ontario Hydro Res. Quart.* 17(3):5-9. 1965. 335.8 H99
For brush control.
- 44521 SULLIVAN, E. F., and others. Preplant weed control on sugar beets. *Amer. Soc. Sugar Beet Technol. J.* 13(5):389-396. Apr.1965. 66.9 Am35J
R. R. Wood, R. L. Abrams, and S. G. Walter, joint authors.
Herbicide tests.

- 44522 SYNAK, J. Biological activity of various DNOC and DNBP salts. (Cz) *Agrochemia [Bratislava]* 5(5):149-152. Ref. 1965. 385 Ag88
English summary.
Herbicides.
- 44523 TAYLOR, A. C. Weeds or wheat? *Agr. Gaz. New S. Wales* 76(12):713-715. Dec.1965. 23 N472
- 44524 TIDEMAN, A. F. New herbicides for cereal growers. II. S. Australia *J. Agr.* 69(6):216-218. Jan.1966. 23 So84
- 44525 AL-TIKRITI, A. S. Effects of herbicides on some chemical components of sweetpotato foliage and roots. *Diss. Abs.* 26(6):2942. Dec.1965. 241.8 M58
- 44526 TIMOFEEVA, I. V., and MOROZOV, V. A. Application of herbicides in the Luzhskii district of the Leningrad area. (Rus) *Khim. Sel'skom Khoz.* 3(12):71. Dec.1965. 385 K524
- 44527 UBRIZSY, G. Herbicide rotation—new results in chemical weed control of grape. (Hu) *Kerteszeti Szulesz.* 15(1):8-9. Jan.1966. 80 K474
- 44528 WARREN, R. Canada thistle (*Cirsium arvense*). *Oreg. State Univ. Ext. Ext. Bull.* 519, rev., 4 p. Nov.1965. 275.29 Or32B
Chiefly chemical control.
- 44529 WATANABE, Y., and others. Surveys on the species and relative amounts of arable land weeds in Hokkaido. 1. On the weeds of arable farming fields in the Tokachi district. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 87:46-50. Dec.1965. 107.6 H68
F. Hirokawa, K. Ozaki, H. Oka, and Y. Okuyama, joint authors.
English summary.
- 44530 WILEN, L. Organized control of wild oats gives dividends. (Sw) *Svensk Frotidn.* 34(11):156-158. Nov.15,1965. 61.8 Sv2
- 44531 WIREN, G. Couchgrass must be attacked with more seriousness and rougher treatment. (Sw) *Svensk Frotidn.* 34(11):154-156. Nov.15, 1965. 61.8 Sv2
Chemical control.
- 44532 ZEMANEK, J. Alternation of herbicides and their correct application in field crops grown for seeds. (Cz) *Za Vysokou Urodu* 13(6):237-238. May 4,1965. 64.8 Z12
- MISCELLANEOUS ECONOMIC PLANTS**
(Drug, Dye, Rubber, etc.)
- 44533 BARBINA, A. The common seabuckthorn [*Hippophae rhamnoides*], hope for sterile soils. (It) *Udine. Cam. Com. Indus. Agr. Boll. Uffic.* (n.s.)19(10):22-24. Oct.1965. 287 Ud5
- 44534 BONAPARTE, E. E. N. A. Pruning studies on Amazon and Amelonado cocoa in Ghana. *Trop. Agr. [St. Augustine]* 43(1):25-34. Ref. Jan. 1966. 26 T754
- 44535 BRISTOL, M. L. The psychotropic Banisteriopsis among the Sibundoy of Colombia. *Harvard Univ. Bot. Mus. Leaflet* 21(5):113-140. Ref. Mar.9,1966. 451 H262
Drug plants.
- 44536 DOBIE, N. D. The 1965 mint rootstock certification program. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting:9. 1966. 308.9 Or3
- 44537 FERNANDEZ, C. E. Transplanting coffee to its final location. (Sp) *Rev. Cafetalera* 47:18-19. July 1965. 68.28 R322
- 44538 FRIEDBERG, C. Banisteriopsis species used as drug in South America; critical essay. (Fr) *J. Agr. Trop. Bot. Appl.* 12(9/10):403-437. Ref. Sept./Oct.1965. 26 J822
Includes description and key to determination of Banisteriopsis caapi, B. inebrians, and B. risbyana, by J. Cuatrecasas; and chemical analysis of samples of Banisteriopsis gathered among the Aguaruna Indians, by J. Poisson.
- 44539 GARAYAR, H., and CORBERA, J. Cosecha y beneficio del cafe [Harvesting and processing of coffee]. *Peru. Serv. Invest. Promoc. Agr. Bol. Tec.* 53,12 p. Jan.1965. 9.8 P439
- 44540 GIBBONS, E. Weed of wonders—the common stinging nettle. *Org. Gard. Farming* 13(4):96-99. Apr.1966. 57.8 Or32
As food plant.
- 44541 HANSSON, A. Honey plants. 12. Glossy buckthorn [*Rhamnus frangula*]. (Sw) *Bitidningen* 65(1):4-5, map. Jan.1966. 424.8 B54
- 44542 HANSSON, A. Honey plants. 13. Mother-of-thyme [*Thymus serpyllum*]. (Sw) *Bitidningen* 65(2):40-41, map. Feb.1966. 424.8 B54
- 44543 HILL, J. Close planting in Montana tung (*Aleurites montana*). *Trop. Agr. [St. Augustine]* 43(1):11-18. Jan.1966. 26 T754
Malawi.
- 44544 HILL, J., and SPURLING, A. T. A note on the classification of Montana tung. *Trop. Agr. [St. Augustine]* 43(1):19-24. Jan.1966. 26 T754
Malawi.
- 44545 JAMINET, L. VON. The saffron story. (Ge) *Seifen-Ole-Fette-Wachse* 92(2):37-39. Ref. Jan.19,1966. 307.8 Se4
Crocus sativus.
- 44546 JIMENEZ LUTHMER, O. Chingongo. (Sp) *Escuela Farm.* 25(318/320):10-17. (Cont.) Oct./Dec.1964. 396.8 Es1
Chewing gum; includes data on the plant *Achras sapota* from which the latex is derived.
- 44547 KATSUO, K., and others. Simple methods of judging the qualities of black tea for individual selection work in tea plant breeding. 1-2. (Ja) *Jap. Tea Res. Sta. Stud. Tea* 31:1-9. Ref. Nov.1965. 68.18 Ok3
T. Toyao, S. Kayumi, S. Amma, and S. Matsushita, joint authors.
English summary.
- 44548 KOTUKOV, G. N. Lekarstvennye i efiromaslichnye kul'tury; spravochnik [Drug and aromatic plants; a guide]. *Kiev. Naukova Dumka*, 1964. 200 p. Ref. SB293.K6
- 44549 MAISTRE, J. Pepper and spices. (Fr) *Agron. Trop. [Paris]* 20(10):1007-1008. Oct.1965. 26 Ag86
Culture in Africa.
- 44550 NYENHUIS, E. M. How to prune your coffee trees. 1. *Farming S. Afr.* 41(9):41-45. Dec. 1965. 24 So842
- 44551 OLSEN, O. Houseleek [*Sempervivum tectorum*]. (Da) *Gartneren* 38(6):4. Feb.1966. 80 G1992
Folk medicine.
- 44552 OREGON STATE UNIVERSITY. CERTIFICATION BOARD. Mitcham peppermint rootstock certification standards. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting:10-11. 1966. 308.9 Or3
- 44553 OZAWA, N. On the propagation of mulberry trees by stem-cutting in sand-gravel culture. (Ja) *J. Sericult. Sci. Jap.* 34(6):418-422. Nov. 1965. 425.9 Se6
- 44554 PANEL on certified rootstock production problems. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting:20-28. 1966. 308.9 Or3
Moderator: L. Funke; panel members: P. Beilke, J. M. Struck, and A. Bierly.
Of *Mentha*.
- 44555 PANEL on commercial production problems. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting:29-42. 1966. 308.9 Or3
Moderator: L. Funke; panel members: R. Nelson, M. Light, and W. Chambers.
Of *Mentha*.
- 44556 RITZ, J. A contribution to the study of nutrient content of roots of chicory. (Se) *Poljoprivredna Znanstvena Smotra* 20(9),16 p. Ref. 1965. 21.5 Z13
English summary.
- 44557 SILVESTRE, P. Tuberous plants. (Fr) *Agron. Trop. [Paris]* 20(10):990-992. Oct.1965. 26 Ag86
Cassava culture in Africa Madagascar and Senegal.

- 44558** THEODOSE, R. Five years of research on vanilla in Madagascar. (Fr) Agron. Trop. [Paris] 20(10):1009-1011. Oct. 1965. 26 Ag86
Breeding, culture, and processing.
- 44559** VALENTE, L. A. Pepper—universal condiment. (Por) Gaz. Agr. [Lourenco Marques] 17(188):14-16. Jan. 1965. 24 G25
Propagation and culture of *Piper nigrum*.

- 44560** VALLE, J. R. D., and HYPPOLITO, N. Study of marijuana hemp (*Cannabis sativa*). I. Culture and obtention of pharmacologically active fractions. (Por) Acad. Brasil. Cienc. An. 36 (4):549-558. Ref. Dec. 31, 1964. 516 R473A
English summary.



SOILS AND FERTILIZERS

SOIL SCIENCE

- 44561 GUERRERO, R. Soil research in Colombia. (Sp) Agr. Trop. 21(11):777-785. Nov.1965. 26 Ag8
- 44562 LIVEROVSKII, YU. A., and DOBROVOL'SKII, G. V. State and prospects of training specialist in soil science at universities. (Rus) Pochvovedenie 2:1-9. Feb.1966. 57.8 P34
- 44563 MACAULAY INSTITUTE FOR SOIL RESEARCH. Annual report, No. 35, 1964-1965. Galashiels, 1965. 59 p. 56.9 M11A
- 44564 SAINT-AMAND, R. D. DE. Intervention of soil science in the regionalization of agronomic research. (Fr) Agron. Trop. [Paris] 20(10):1022-1024. Oct.1965. 26 Ag86 Niger.

Soil Physics

- 44565 ALVAREZ CASTRO, A. Permeability tests by the Lugeon system. (Sp) Ingenieria Hidraul. Mex. Rev. 19(2):11-18. 1965. 290.8 In43
English summary, p.I of yellow supplement. Seepage in dams.
- 44566 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Water-repellent sands. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 51:30-33. June 1965. 23 R88
- 44567 BAILEY, A. C., and WEBER, J. A. Comparison of methods of measuring soil shear strength using artificial soils. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):153-156,160. 1965. 290.9 Am32T
- 44568 BARRADA, Y., and DECROUX, J. Observations on the utilization of neutron probe for the study of water supply to plants. (Fr) Awamia 14:115-145. Jan.1965. 24 Aw1
English summary.
In connection with supplementary irrigation of corn.
- 44569 BRACH, E. J., and MACK, A. R. Tensiometer plate assembly for soil samples. Can. J. Soil Sci. 46(1):96-97. Feb.1966. 56.8 C162
- 44570 BRASHER, B. R., and others. Use of saran resin to coat natural soil clods for bulk-density and water-retention measurements. Soil Sci. 101(2):108. Feb.1966. 56.8 So3
D. P. Fransmeier, V. Valassis, and S. E. Davidson, joint authors.
- 44571 BRUTSAERT, W. Probability laws for pore-size distributions. Soil Sci. 101(2):85-92. Ref. Feb.1966. 56.8 So3
- 44572 CANNON, M. D. Thermal environments under synthetic strip mulches. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):374-376. 1965. 290.9 Am32T
- 44573 CHANCELLOR, W. J., and KORAYEM, A. Y. Mechanical energy balance for a volume element of soil during strain. Amer. Soc. Agr. Eng. Trans. ASAE 8(13):426-430,436. 1965. 290.9 Am32T
Relationship between stress state, shearing strain, and porosity.
- 44574 CHURAEV, N. V., and RODE, L. G. Measurement of moisture in peat soils by neutron method. (Rus) Pochvovedenie 1:96-100. Ref. Jan.1966. 57.8 P34
English summary.
- 44575 COHEN, O. P., SHANAN, L., and EVENARI, M. Effect of synthetic rubber crusts on soil temperatures. Israel J. Agr. Res. 15(3):147-148. July 1965. 107 J552
- 44576 COLLIS-GEORGE, N., ROSENTHAL, M. J., and SMILES, D. E. An examination of the air-pressure infiltration method of measuring hydraulic conductivity of unsaturated porous materials. Australian J. Soil Res. 3(2):101-110. Dec. 1965. 56.8 Au7
- 44577 CURRY, R. B., BARKER, G. L., and STRACH, Z. Interrelation of physical and chemical properties in flow of colloidal suspensions in porous media. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):259-263. 1965. 290.9 Am32T
With application to soil moisture research.
- 44578 DERYAGIN, B. B., ZAKHVAEVA, N. N., and LOPATINA, A. M. Study of moisture evaporation from soils and grounds. (Rus) Pochvovedenie 2:28-31. Ref. Feb.1966. 57.8 P34
English summary.
- 44579 DMITRIEV, A. V., and others. Gamma rays in determination of soil moisture. (Rus) Meteorol. Gidrol. 7:56-58. July 1965. 345 M56
R. M. Kogan, M. V. Nikiforov, and Sh. D. Fridamn, joint authors.
- 44580 DMITRIEV, M. T. Gammascopic measurement of soil moisture. (Rus) Pochvovedenie 2:97-106. Ref. Feb.1966. 57.8 P34
English summary.
- 44581 DYLLA, A. S., and MUCKEL, D. C. Importance of measuring soil moisture changes in non-weighing evapotranspiration tanks. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):365-366,370. 1965. 290.9 Am32T
- 44582 GOULD, M. L. Soil moisture investigations on grass and shrubland soils, 1942-1964. Portland Oreg., U. S. Forest Serv., Pacific Northwest Forest Range Exp. Sta., 1964. 4 p. A241 G73
Bibliography.
- 44583 HAN, Y. T. Tests of an aquaprobe for measuring soil moisture. Seoul Univ. J. Biol. Agr. Ser. (B) 16:125-131. May 1965. 442.9 So84
- 44584 HANKS, R. J., and SHAWCROFT, R. W. An economical lysimeter for evapotranspiration studies. Agron. J. 57(6):634-636. Nov./Dec. 1964. 4 Am34P
- 44585 HANUS, H., and KMOCH, H. G. A contribution to the water permeability measurement technique on undisturbed soil samples. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(1):10-23. Ref. Oct.1965. 384 Z343A
English summary, p.I.
- 44586 ISHIKAWA, M., and SUZUKI, T. Distribution of maximum freezing depths in the ground in the winter of 1964-65 in Hokkaido. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:238-241, map. 1965. 99.9 J2724A
English summary.
- 44587 KLEINER, M. I. Determination of temperature and evaporation of irrigated corn soils in Volga-Akhtuba flood-plain. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:141-144. 1964. 20 M857
- 44588 KMOCH, H. G., and HANUS, H. A simplified method and evaluation of soil air permeability measurements. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(1):1-10. Ref. Oct.1965. 384 Z343A
English summary, p.I.
- 44589 KONSTANTINOV, V. K. Determination of soil moisture by measuring the depth of the ground water table. (Rus) Pochvovedenie 2:58-64. Feb.1966. 57.8 P34
English summary.
- 44590 LAFEVER, D. The graphical representation of planar pore patterns in soils. Australian J. Soil Res. 3(2):143-164, map. Ref. Dec.1965. 56.8 Au7
- 44591 LIAKOPOULOS, A. C. Darcy's coefficient of permeability as a symmetric tensor of second rank. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):216-218,222. Ref. 1965. 290.9 Am32T
Soils.
- 44592 LIGON, J. T., BENOIT, G. R., and ELAM, A. B. Procedure for estimating occurrence of soil moisture deficiency and excess. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):219-222. Ref. 1965. 290.9 Am32T

Soil Chemistry and Mineralogy

- 44593 LYTAEV, I. A. A quick method for determination of soil aggregate porosity in vacuum. (Rus) *Pochvovedenie* 1:104-109. Ref. Jan. 1966. 57.8 P34
English summary.
- 44594 MONNIER, G. Effect of organic matter on soil structural stability. (Fr) *Sols Afr.* 10(1):5-27. Jan./Apr.1965. 56.8 So4
Text also in English, p.5-42.
- 44595 NESTEROVA, G. S. Water-air regime of drained lands of the southern part of Khabarovsk Territory. (Rus) *Pochvovedenie* 1:65-70. Ref. Jan.1966. 57.8 P34
English summary.
- 44596 NORRIS, S. E., and FIDLER, R. E. Relation of permeability to particle size in a glacial-outwash aquifer at Piketon, Ohio, U. S. Geol. Surv. Prof. Pap. 252-D:D203-D206. 1965. 407 G29Pr
- 44597 PECK, A. J., and RABBIDGE, R. M. Soil-water potential: direct measurement by a new technique. *Science* 151(3716):1385-1386. Mar.18,1966. 470 Sci2
- 44598 PERRIER, E. R., STOCKINGER, K. R., and SWAIN, R. V. Scintillation counter for measuring thermal neutrons in a soil-water system. *Soil Sci.* 101(2):125-129. Feb.1966. 56.8 So3
- 44599 POHJAKAS, K. The effects of soluble salts on the compactibility of four Saskatchewan soils. *Can. J. Soil Sci.* 46(1):47-52. Feb.1966. 56.8 C162
- 44600 PRONIN, A. F. Changes in compaction and porosity of soil depending on the methods and implements of soil cultivation. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:201-205. 1965. 20 M857
- 44601 SHIMSHI, D. Use of ceramic points for the sampling of soil solution. *Soil Sci.* 101(2):98-103. Feb.1966. 56.8 So3
- 44602 SOKOLOVSKII, S. P. Variation of some soil property indices in the valley of the Kuma River. (Rus) *Pochvovedenie* 1:100-104. Jan. 1966. 57.8 P34
English summary.
- 44603 SWANSON, N. P., DEDRICK, A. R., and WEAKLY, H. E. Soil particles and aggregates transported in runoff from simulated rainfall. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):437, 440. 1965. 290.9 Am32T
- 44604 VACLAVIK, J. The maintaining of constant soil moisture levels (lower than maximum capillary capacity) in pot experiments. *Biol. Plant.* 8(1):80-85. 1966. 450 B52
- 44605 VIDAL, H., and SCHUCH, M. A universal tool for the taking of undisturbed soil samples. (Ge) *Bodenkultur* 16(3):245-249. Sept.1965. 19 B635
English summary.
- 44606 VOMEL, A. Experiments on nutrient balance using various lysimeter soils. I. (Ge) *Z. Acker- Pflanzbau* 123(2):155-188. Ref. Jan. 1966. 18 J825
English summary.
Leaching.
- 44607 WHEATON, F., and MACKSON, C. J. Electro-osmotic head and flow reversal under saturated conditions in soil; a preliminary report. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(2):208-214. Nov.1965. 100 M58S
- 44608 YOUNG, K. K., and DIXON, J. D. Overestimation of water content at field capacity from sieved sample data. *Soil Sci.* 101(2):104-107. Feb.1966. 56.8 So3
- 44609 YURKEVICH, I. D., GARIN, B. E., and SMOLYAK, L. P. Content of oxygen in soil water and of carbon dioxide in soil air of forest bogs. (Rus) *Pochvovedenie* 2:41-50. Ref. Feb.1966. 57.8 P34
English summary.
- 44610 ACQUAYE, D. K., and MACLEAN, A. J. Influence of form and mode of nitrogen fertilizer application on the availability of soil and fertilizer potassium. *Can. J. Soil Sci.* 46(1):23-28. Feb.1966. 56.8 C162
- 44611 ALESHIN, S. N., and SHFIRYAN, E. M. Use of infrared rays in study of qualitative changes of humic compounds in soddy-podzolic soils treated with lime. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:33-37. 1964. 20 M857
- 44612 BAETSLE, L. H., MAES, W. F., and SOUF-FRIAY, J. Transportation of radioisotopes in the soil. (Fl) *Ghent. Landbouwhogeschool. Mededel.* 30(2):933-940. 1965. 105.1 G344
French summary.
- 44613 BARRER, R. M., and MARSHALL, D. J. Chemistry of soil minerals. I-II. *Chem. Soc. J.*, Dec.1965:6616-6628. Ref. 382 L84J
- 44614 BAZILINSKAYA, M. V. Composition of organic matter of Solonetz soil solutions in forest-steppe of western Siberia. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:61-65. Ref. 1964. 20 M857
- 44615 BELYAEVA, N. I. Determination of aluminium in the presence of iron. A spectrophotometric method using ferron. (Rus) *Pochvovedenie* 2:106-108. Feb.1966. 57.8 P34
- 44616 BLUME, H. P. The characterisation of humus compounds by litter and humus group analysis with regard to morphological properties. (Ge) *Z. Pflanzenernahr. Dungung. Boden.* 111(2):95-113. Ref. Nov.1965. 384 Z343A
English summary, p.VI.
- 44617 BOLDYREV, A. I., and ALESHIN, S. N. Application of infrared ray spectrophotometry in study of humic acids in soils. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:11-15. 1964. 20 M857
- 44618 BOLDYREV, A. I., and KOMAROV, I. A. Study of infrared ray spectra of mineral and humic components of soil absorbent complex. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:25-31. 1964. 20 M857
- 44619 BOLDYREV, A. I. Study of optical properties of humic acid compounds in soil. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:17-24. 1964. 20 M857
- 44620 CAUWENBERGHE-VAN GAEVER, N. VAN, ROOVER, L. DE, and HENDE, A. VAN DEN. Study of the economy of nitrogen in soil with the aid of N¹⁵. *Ghent. Landbouwhogeschool. Mededel.* 30(2):957-966. Ref. 1965. 105.1 G344
English summary.
- 44621 CLARK, J. S. The relation between pH and soluble and exchangeable Al in some soils. *Can. J. Soil Sci.* 46(1):94-96. Feb.1966. 56.8 C162
- 44622 DIMITRIU, A., and BRATOSIN, N. Contribution to the determination of cation exchange capacity of soils and clays using the ammonium acetate method. (Rum) *Rumania. Comitetul Geol. Dari Seama Sedintelor* 51(2):205-215. Ref. 1963/64, pub.1965. 403 R86
English summary.
- 44623 DIMITRIU, A., and BUGEA, E. Determination method for the total amount of nitrogen in soils based on the distillation (carrying away) with over-heated steam in flow control condition. (Rum) *Rumania. Comitetul Geol. Dari Seama Sedintelor* 51(2):217-227. 1963/64, pub.1965. 403 R86
English summary.
- 44624 ELRICK, D. E., BIGGAR, J. W., and WEBBER, L. R. Soil pollutants: their origin and behavior. *J. Soil Water Conserv.* 21(1):7-11. Ref. Jan./Feb.1966. 56.8 J822

- 44625 FEDOROVSKII, D. V., and KASHINA, N. P. Determination of exchangeable potassium in soil complexes of dry steppe using one extract only. (Rus) Khim. Sel'skom Khoz. 3(11):16-18. Nov. 1965. 385 K524
- 44626 FERGUSON, W. S., and SOWDEN, F. J. A comparison of methods of determining nitrogen fractions in soils. Can. J. Soil Sci. 46(1): 1-6. Ref. Feb. 1966. 56.8 C162
- 44627 FROLOVA, L. N. Dynamics of oxidation-reduction potential processes on felling areas of spruce forests in central taiga. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:53-59. 1964. 20 M857
- 44628 GATA, E. Study concerning of colorimetric method for the determination of phosphorus. (Rum) Rumania. Comitetul Geol. Dari Seama Sedintelor 51(2):229-243. Ref. 1963/64, pub. 1965. 403 R86
English summary.
- 44629 GIUSCA, R. Electron microscope for the identification of clay minerals. (Rum) Rumania. Comitetul Geol. Dari Seama Sedintelor 51(2): 245-249. 1963/64, pub. 1965. 403 R86
English summary.
- 44630 GUPTA, U. C., and MACKAY, D. C. Procedure for the determination of exchangeable copper and molybdenum in Podzol soils. Soil Sci. 101(2):93-97. Ref. Feb. 1966. 56.8 So3
- 44631 HALL, R. J., GRAY, G., and FLYNN, L. R. Observations on the use of titan yellow for the determination of magnesium with special reference to soil extracts. Analyst 91(1079):102-112. Ref. Feb. 1966. 382 An1
- 44632 HAMILTON, H. A., LEVESQUE, M., and LES-SARD, J. R. The residual effect of lime on crop yields, pH, and other chemical characteristics of a Grey Wooded soil broken to different depths. Can. J. Soil Sci. 46(1):61-68. Ref. Feb. 1966. 56.8 C162
Oats and forage plants.
- 44633 HENRIKSEN, A. Comparison between compleximetric and atom-absorptiometric determinations of magnesium in soil. (Da) Tidsskr. Planteavl 69(3):328-333. 1965. 11 T439
English summary.
- 44634 IOSOF, V. Polarographic determination of barium with application to Mehlich's method. (Rum) Rumania. Comitetul Geol. Dari Seama Sedintelor 51(2):251-256. 1963/64, pub. 1965. 403 R86
English summary.
For the determination of the total exchange capacity of cations in soils.
- 44635 JAMES, P. E., and WILKINS, D. E. An evaluation of radioisotope and fluorescent tracer techniques. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):199-201, 207. Ref. 1965. 290.9 Am32T
In studying removal and burial of fallout on agricultural lands at the U. S. Agricultural Research Service, Beltsville, Md.
- 44636 JUNG, J. Deficiency in minor nutrients—a problem of pH? (Ge) Mitt. Deut. Landwirt.-Ges. 81(3):67-68. Jan. 20, 1966. 18 N39
- 44637 KALPAGE, F. S. C. P. Redox potential trends in a submerged rice soil. Plant Soil 23(1):129-136. Ref. Aug. 1965. 450 P696
- 44638 KAURICHEV, I. S., and BAZILINSKAYA, M. V. Study of temporary deoxidation processes in complex of forest-steppe Solonetz soils of western Siberia. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:45-52. 1964. 20 M857
- 44639 KOLCHANOV, V. I. Agrochemical constants of some regions of the Kirov Province. (Rus) Vses. Geogr. Obshch. Izv. 97(4):319-323. July/Aug. 1965. 511 L546
- 44640 KOZHUSHKO, V. K. Drill with low clearance gas-discharging measuring device used for study of radioactivity in soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:547-551. 1964. 20 M857
- 44641 KUROCHKIN, K. I. Effect of lime on acidity and absorption properties of soddy-podzolic soils under continuous application of fertilizers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:263-269. Ref. 1964. 20 M857
- 44642 LENSII, L. A. Absorption of radioactive tritium from water solutions by soils in static condition. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99: 527-532. 1964. 20 M857
- 44643 LEVESQUE, M., and HANNA, W. J. Downward movement of phosphorus and iron in some podzolic soils of New Jersey. Can. J. Soil Sci. 46(1):53-60. Feb. 1966. 56.8 C162
- 44644 LEVESQUE, M., and SCHNITZER, M. Effects of NaOH concentration on the extraction of organic matter and of major inorganic constituents from a soil. Can. J. Soil Sci. 46(1):7-12. Feb. 1966. 56.8 C162
- 44645 LOWE, L. E. The separation and determination of organic and inorganic sulfate in soil extracts. Can. J. Soil Sci. 46(1):92-93. Feb. 1966. 56.8 C162
- 44646 MACKINTOSH, E. E., and GARDNER, E. H. A mineralogical and chemical study of lower Fraser River alluvial sediments. Can. J. Soil Sci. 46(1):37-46, map. Ref. Feb. 1966. 56.8 C162
- 44647 MCKEAGUE, J. A. The fixation of Fe²⁺ by ferric oxides in soils. Can. J. Soil Sci. 46(1): 91-92. Feb. 1966. 56.8 C162
- 44648 ORCHISTON, H. D. Soil analysis and soil assessment. Power Farming Australia New Zeal. Better Farming Dig. 75(1):29, 31. Jan. 1966. 58.8 P87
- 44649 OVCHINNIKOVA, M. F. The forms of nitrogen organic compounds in some fractions of soil humus. (Rus) Moscow. Univ. Vestnik. Ser. 6, 4:75-85. Ref. July/Aug. 1965. 442.9 M854
- 44650 PARR, J. F., and PAPENDICK, R. I. Retention of anhydrous ammonia by soil. II. Effect of ammonia concentration and soil moisture. Soil Sci. 101(2):109-119. Ref. Feb. 1966. 56.8 So3
- 44651 PARR, J. F., and PAPENDICK, R. I. What happens to NH₃ in soil. Agr. Ammonia News 16(2):64-67. Mar./Apr. 1966. 381 Ag82
- 44652 PEN'KOV, O. G. Kinetics of phosphate-ions absorption by grey Chestnut soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:39-43. 1964. 20 M857
- 44653 PODDUBNYI, N. N., and MOROZOVA, A. V. Content of free phosphorus and potassium in soils on experiment farm station "Mummovskoe." (Rus) Moskov. Ord. Lenina Sel'skokhoz. K. A. Timiryazeva. Dokl. 99:67-72. 1964. 20 M857
- 44654 RASULOV, D. A. Transformation of phosphates in some soil types of Dagestan ASSR. (Rus) Akad. Nauk Azerb. SSR. Dokl. 22(10):53-56. Ref. 1965. 511 Ak147D
- 44655 ROTINI, O. T. Clayey soils; problems of agricultural chemistry and agronomy in cultivation. (It) Ital. Agr. 102(12):1081-1093, map. Dec. 1965. 16 It1
Includes a map of clay soils in Italy.
- 44656 SCHNITZER, M., and SKINNER, S. I. M. A polarographic method for the determination of carbonyl groups in soil humic compounds. Soil Sci. 101(2):120-124. Feb. 1966. 56.8 So3
- 44657 SEMB, G., OIEN, A., and STEENBERG, K. En sammenligning av ulike kjemiske metoder samt isotopmetoder for vurdering av innholdet av tilgjengelig fosfor i jord [A comparison of different chemical and isotopic methods for estimation of soil content of plant available phosphorus]. Norges Landbrukshogsk. Meld. 44(21), 19 p. Ref. 1965. 104 N762M
English summary.

- 44658 SMOLENTSEV, P. I., RUCHKO, G. V., and SKOBETS, E. M. Polarographic methods for the determination of total molybdenum in soil. (Rus) Khim. Sel'skom Khoz. 4(1):14-16. Jan. 1966. 385 K524
- 44659 VLASYUK, P. A. Agrochemical grouping of Ukrainian soils according to minor element content and the efficiency of minor fertilizers. (Rus) Pochvovedenie 2:17-27. Feb. 1966. 57.8 P34
English summary.
- 44660 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Soil testing is good business. Wash. State Univ. Ext. Circ. 348, 4 p. Sept. 1965. 275.29 W27C
- 44661 WEHRMANN, J., and JOHANNES, L. W. Effect of "guie" on soil conditions and plant nutrition. Sols Afr. 10(1):129-136. Jan./Apr. 1965. 56.8 So4
Text also in French, p.137-145.
Chiefly on the effects of burning on chemical properties of soils in Ethiopia.
- 44662 YOKOTA, S. On the analysis of magnesium contained in soil and plants with the aid of atomic absorption spectroscopy. (Ja) Jap. Forest Exp. Sta. Bull. 183:153-161. Dec. 1965. 99.8 R47
English summary.
- Soil Biology
- 44663 ANDO, T., and TSUTSUMI, T. Studies on the fungal microflora of some forest soils. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:40-54. Ref. Nov. 1965. 99.9 K993
English summary.
- 44664 ASEVA, I. V., and VELIKZHANINA, G. A. Biosynthesis of free amino acid by soil micro-organisms. (Rus) Pochvovedenie 1:71-76. Ref. Jan. 1966. 57.8 P34
English summary.
- 44665 BAKSHI, B. K. Mycorrhiza in eucalypts in India. Indian Forest. 92(1):19-20. Jan. 1966. 99.8 In2
Scleroderma verrucosum.
- 44666 BALASSA, R., and GABOR, M. Transformation of streptomycin markers in rough strains of Rhizobium lupini; transformation of streptomycin-dependence. Acta Microbiol. 11(4):329-339. Ref. 1964/65. 448.3 Ac84
- 44667 BERGERSEN, F. J. Nitrogen fixation in breis of soybean root nodules. Biochim. Biophys. Acta 115(1):247-249. Jan. 25, 1966. 381 B522
- 44668 BERNHARD, K. The dependence of cellulase activity in the narrow rhizosphere and rhizoplane of cultivated and wild plants. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(6):566-569. Ref. Oct. 1965. 448.3 C33
English summary.
- 44669 BERNHARD, K. The effect of narrow rhizosphere of cultivated and wild plants on the number and spectrum of bacillus types. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(6):537-554. Ref. Oct. 1965. 448.3 C33
English summary.
- 44670 BUKATSCH, F., and ROLLMANN, W. The adjustment of Azotobacter chroococcum to the rhizosphere. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(6):555-565. Ref. Oct. 1965. 448.3 C33
English summary.
- 44671 CHAKRAVORTY, S. C., and DAS, N. B. Studies on nitrogen fixation and respiratory activity of Derxia gummosa. Indian J. Exp. Biol. 3(4):234-239. Ref. Oct. 1965. 442.8 In2
- 44672 EMTSEV, V. T., SHIL'NIKOVA, V. K., and AGADZHANYAN, K. G. Comparison of different methods for finding and quantitative estimation of bacteria nodule in soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:395-398. Ref. 1964. 20 M857
- 44673 FLORENZANO, G., BALLONI, W., and MATE-RASSI, R. Research on massive non sterile culture of nitrogen fixing algae. (It) Ann. Microbiol. Enzimol. 14(4/6):115-127. Ref. 1964. 448.3 An73
- 44674 GRAHAM, P. H. Extracellular polysaccharides of the genus Rhizobium. Antonie van Leeuwenhoek J. Microbiol. Serol. 31(4):349-354. Ref. 1965. 448.8 N28A
Includes Agrobacterium.
- 44675 GRIFFITHS, D. A. Vertical distribution of mycostasis in Malayan soils. Can. J. Microbiol. 12(1):149-163. Ref. Feb. 1966. 448.8 C162
Concerning Mucor remannianus.
- 44676 HANSEN, S. E. Effect of root nodule bacteria inoculation and of nitrogen fertilizer on the yield of peas. (Da) Tidsskr. Planteavl 69(3):353-354. 1965. 11 T439
English summary.
- 44677 HOFFMANN, G., and PALLAUF, J. A colorimetric method for the estimation of soil saccharase activity. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 110(3):193-201. Sept. 1965. 384 Z343A
English summary, p.VI.
- 44678 IL'IN, A. M. Decomposition of 2,4-D type of herbicides in soils. (Rus) Agrobiologiya 4:620-621. Aug. 1965. 20 Ag822
By microorganisms.
- 44679 KONIG, E. The seasonal variation of the number of micro-organisms in various soil profiles. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(1):23-37. Ref. Oct. 1965. 384 Z343A
English summary, p.II.
- 44680 KRUGLOV, YU. V., and PAROMENSKAYA, L. N. Modified gasometric method for catalase activity determination. (Rus) Pochvovedenie 1:93-95. Jan. 1966. 57.8 P34
English summary.
- 44681 KRYLOVA, N. B. Effects of molybdenum and vanadium on respiration and dehydrogenase activities of nitrogen fixing microorganisms. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:407-410. Ref. 1964. 20 M857
Azotobacter.
- 44682 LAAR, H. J. VAN DE. Decomposition of simazine in soils. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:96-101. 1965. 86 B65
- 44683 LILY, K. Ecological studies on soil fungi. I. Recolonization of steam-sterilized soil by different micro-organisms. Indian Bot. Soc. J. 44(2):276-289. Ref. 1965. 450 J821
- 44684 L'VOV, N. P. Accessible sources of carbon for nitrogen fixing Mycobacterium azot-absorptum n. sp. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:413-418. 1964. 20 M857
- 44685 MAR'ENKO, V. G. Effect of Azotobacter chroococcum monobacterial culture on yields and nitrogen balance in corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:399-406. 1964. 20 M857
- 44686 NAUMANN, K. Study of soil microorganisms in clover grass rotation experiment during several years at Barenrode. I-II. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(7):673-713. Ref. Nov. 1965. 448.3 C33
English summary.
I, Wheat plots; II, Oat plots.
- 44687 RATZKE, U. Study of Proactinomyces (Nocardia). I. The distribution of Proactinomyces in soil during a lasting manure and crop rotation experiment. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 119(6):601-611. Ref. Oct. 1965. 448.3 C33
English summary.
- 44688 REMPE, E. KH., and KALTAGOVA, O. G. The effect of root microorganisms on the development and soil nutrition of plants. (Rus) Agrobiologiya 5:706-721. Sept./Oct. 1965. 20 Ag822
Chiefly bacterial fertilization of field crops.

- 44689 ROVIRA, A. D. Interactions between plant roots and soil microorganisms. *Annu. Rev. Microbiol.* 19:241-266. Ref. 1965. 448.3 An72
- 44690 SHUKLA, P., and PATHAK, A. N. Microbiological decomposition of organic matter with and without additional phosphorus. *Indian Forest.* 92(1):21-26. Ref. Jan.1966. 99.8 In2
- 44691 VAN SCHREVEN, D. A. Effect of penicillin on the morphology and reproduction of *Azotobacter chroococcum*. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(1):67-93. Ref. 1966. 448.8 N28A
- 44692 WENT, J. C., and DE JONG, F. Decomposition of cellulose in soils. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(1):39-56. Ref. 1966. 448.8 N28A

Soil-Plant-Animal Relationships

- 44693 MICHAELER T., A. Anthropogenous micro-erosion. (Sp) *Rev. Nac. Agr.* 57(720):57-60. Apr.1965. 9.4 R32
- Soil deficiencies and their effects on man and the need for using sewage and wastes for organic fertilizing.

Soil Genesis, Formation, Classification, and Mapping

- 44694 ANSON, A. Color photo comparison; a photo interpretation test with panchromatic, color, and Ektachrome IR establishes the superiority of the latter two for mapping drainage, vegetation, soils and culture. *Photogram. Eng.* 32(2):286-297, map. Mar.1966. 325.28 P56
- 44695 ARNOLD, R. W. Differentiation of soils having cyclic or recurring horizons. *Can. J. Soil Sci.* 46(1):69-74. Feb.1966. 56.8 C162
- 44696 ASVADUROV, H., and others. Contribution to the knowledge of soils saturated with bases in the Cehu Silvaniei district. (Rum) Rumania. *Comitetul Geol. Dari Seama Sedintelor* 51(2):159-172, map. 1963/64, pub.1965. 403 R86
- P. Vasilescu, F. Popescu, and R. Safta, joint authors.
- English summary.
- Soil classification according to morphology and physical chemical properties.
- 44697 ASVADUROV, H., and others. Contribution to the study of relief soil repartition in the Somes Plain. (Rum) Rumania. *Comitetul Geol. Dari Seama Sedintelor* 51(2):127-143, map. 1963/64, pub.1965. 403 R86
- C. Chitu, M. Opris, and P. Vasilescu, joint authors.
- English summary.
- 44698 ASVADUROV, H., DRAGU, I., and VASILESCU, P. Researches on soils and vegetation in the Alba-Iulia-Teius-Zlatna district. (Rum) Rumania. *Comitetul Geol. Dari Seama Sedintelor* 51(2):145-158, map. 1963/64, pub.1965. 403 R86
- English summary.
- 44699 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Salt and water in a Western Australian valley. *Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.]* 51:2-5. June 1965. 23 R88
- 44700 BARTELLI, L. General soil maps—a study of landscapes. *J. Soil Water Conserv.* 21(1):3-6, map. Ref. Jan./Feb.1966. 56.8 J822
- 44701 BREBURDA, J. The origin of soils in the Soviet Union where clay has penetrated lower horizons. (Ge) *Z. Pflanzenernahr. Dungung, Bodenk.* 111(2):65-72. Ref. Nov.1965. 384 Z343A
- English summary, p.IV.
- 44702 BULAVIN, B. P. Loess-like deposits of Azov Sea region. (Rus) *Pochvovedenie* 1:50-53. Jan.1966. 57.8 P34
- English summary.
- 44703 CHITU, C., and PEAHA, M. Soil distribution in the area between the Danube and the Birzava River (Banat Region). (Rum) Rumania. *Comitetul Geol. Dari Seama Sedintelor* 51(2):189-203, map. Ref. 1963/64, pub.1965. 403 R86
- English summary.
- 44704 CHITU, C., and PEAHA, M. Soil distribution in the Cindesti platform and the Hillock area between Arges and Dimbovitza rivers. (Rum) Rumania. *Comitetul Geol. Dari Seama Sedintelor* 51(2):173-187, map. Ref. 1963/64, pub.1965. 403 R86
- English summary.
- 44705 FARAJ, H., and others. Utilization of aerial photographs in the realization of general maps of soil in Morocco. (Fr) *Awamia* 14:73-94, map. Jan.1965. 24 Aw1
- M. Icole, G. Missante, and R. Watteeuw, joint authors.
- English summary.
- 44706 FENZL, R. N., and LEVINE, G. Mapping soils according to total available moisture capacity through aerial photograph interpretation. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):301-304. 1965. 290.9 Am32T
- 44707 FILIPOVIC, D., VOJINOVIC, L., and SPASOJEVIC, M. Some characteristics of Smonitza soils in the Timok Basin. (Se) *Arh. Poljoprivredne Nauk.* 18(60):40-54. Ref. 1965. 21.5 Y9
- English summary.
- 44708 GIBBS, H. S. Information on soil types essential to farmer in increasing production. *New Zeal. J. Agr.* 112(1):26-27, 29. Jan.1966. 23 N48J
- 44709 GUSENKOV, E. P., KASITSYN, V. N., and EVTUSHKIN, V. N. Grouping of soils for irrigation in the north-eastern part of virgin land. (Rus) *Pochvovedenie* 1:11-18. Ref. Jan.1966. 57.8 P34
- English summary.
- 44710 HAANTJENS, H. A. Morphology and origin of patterned ground in a humid tropical lowland area, New Guinea. *Australian J. Soil Res.* 3(2):111-129, map. Ref. Dec.1965. 56.8 Au7
- 44711 HARRADINE, F. Comparative morphology of lateritic and podzolic soils in California. *Soil Sci.* 101(2):142-151. Ref. Feb.1966. 56.8 So3
- 44712 HUDIG, J. Soil formation with reference to Oparin's hypothesis. (Ge) *Z. Pflanzenernahr. Dungung, Bodenk.* 111(2):72-82. Nov.1965. 384 Z343A
- English summary, p.IV.
- 44713 HUDSON, J. C. Agronomic use of a soil survey in Barbados. *Exp. Agr.* 1(3):215-224, map. Ref. July 1965. 10 Ex72
- 44714 KATS, N. YA. Subantarctic and cold-temperate zone bogs of Southern Hemisphere. (Rus) *Pochvovedenie* 2:65-74. Ref. Feb.1966. 57.8 P34
- English summary.
- 44715 KRAUZE, KH. KH., and UAIL'D, S. A. Solonchak soils in Alaska. (Rus) *Pochvovedenie* 1:49-50. Jan.1966. 57.8 P34
- 44716 LIU, T. S. Chung-kuo ti huang t'u tui chi [A compilation on China's loess]. Peking, K'o Hsueh Ch'u Pan She, 1965. 244 p., map. S625.C6L5
- Bibliography, p.233-237.
- 44717 MABBUTT, J. A. Stone distribution in a stony tableland soil. *Australian J. Soil Res.* 3(2):131-142, map. Ref. Dec.1965. 56.8 Au7
- 44718 MAEHARA, M., and others. Studies on the volcanic ash tea soils. 1-2. (Ja) *Jap. Tea Res. Sta. Stud. Tea* 31:87-106. Ref. Nov.1965. 68.18 Ok3
- S. Hiramine, M. Hirata, and S. Ezaki, joint authors.
- English summary.

- 44719 MCKEAGUE, J. A., and DAY, J. H. Dithionite- and oxalate-extractable Fe and Al as aids in differentiating various classes of soils. Can. J. Soil Sci. 46(1):13-22. Ref. Feb.1966. 56.8 C162
Canadian soils.
- 44720 NAUMOV, E. M., and SAVICH, V. I. Alluvial soils in Priokhot District of Magadan Region and their agricultural value. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:87-94. 1964. 20 M857
- 44721 NEMERYUK, G. E. Migration of salts from the soil to the atmosphere. (Rus) Pochvovedenie 1:83-93. Ref. Jan.1966. 57.8 P34
English summary.
- 44722 OHIO. DEPT. OF NATURAL RESOURCES. DIV. OF LANDS AND SOIL. An inventory of Ohio soils; Union County. Ohio. Dep. Natur. Resources. Div. Lands Soil. Progr. Rep. 27,36 p., map. 1966. 56.9 Oh32
- 44723 PAAS, A. Soddy-gley soils of Parnu lowland. (Es) Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaraamat 56:25-56. Ref. 1964. 511 Ak191
German summary.
Morphology.
- 44724 PERSHINA, M. N., and YAKOVLEVA, M. E. Organic matter of Dark-Chestnut soils and Solonetz soils of Turgai plain. (Rus) Pochvovedenie 1:76-83. Ref. Jan.1966. 57.8 P34
English summary.
- 44725 POLETAEV, YU. I., REUTSKAYA, N. N., and YASNEVA, E. E. Use of photography in mapping soil creep of Kuibyshev water reservoir. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:159-166, map. 1964. 20 M857
- 44726 PONS, L. J., and ZONNEVELD, I. S. Soil ripening and soil classification; initial soil formation of alluvial deposits with a classification of the resulting soils. Int. Inst. Land Reclam. Impr. Publ. 13,128 p., map. Ref. 1965. 54.9 In8
- 44727 RAJAN, S. V. G. Soil survey and land use classification in relation to fertiliser use. Fert. News. 10(12):47-51. Dec.1965. 57.8 F4123
- 44728 RAMIREZ S., P. A. Suitability of soils for exploitation in Colombia. (Sp) Agr. Trop. 21(11):790-812. Nov.1965. 26 Ag8
Classification and mapping.
- 44729 RID, H. Soil structure and classification of soils. (Ge) Landtechnik 19(19):704,706-708. Oct.1,1964. 58.8 L235
- 44730 SAVICH, V. I. Soil covering of Chukot in Anadyr Basin. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:95-101. 1964. 20 M857
Formation and types.
- 44731 SHIELDS, J. A., and others. Measurement of soil color. Can. J. Soil Sci. 46(1):83-90. Ref. Feb.1966. 56.8 C162
R. J. St. Arnaud, E. A. Paul, and J. S. Clayton, joint authors.
- 44732 SHISHOVA, V. S. Distribution of soils with iron containing horizons in northwestern Meshchera. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:79-86. Ref. 1964. 20 M857
- 44733 SIMAKOVA, M. S. Field and laboratory deciphering of aerial photographs in soil mapping. (Rus) Pochvovedenie 2:10-16, map. Ref. Feb. 1966. 57.8 P34
English summary.
- 44734 SMIRNOV, R. N. Classification of flood-plain soils in the lower Don Delta. (Rus) Pochvovedenie 2:74-82. Ref. Feb.1966. 57.8 P34
English summary.
- 44735 TANASLJEVIC, D., and others. Soils of Soko Banja Basin and their problems. (Se) Arh. Poljoprivredne Nauk. 18(60):3-39. Ref. 1965. 21.5 Y9
N. Pavicevic, V. Nikodijevic, and G. Antonovic, joint authors.
English summary.
Chiefly genesis, profiles and types.
- 44736 WHITE, E. M. Subsoil structure genesis: theoretical consideration. Soil Sci. 101(2):135-141. Ref. Feb.1966. 56.8 So3
Chiefly with reference to the Chestnut-Chernozem zone of South Dakota.
- 44737 WORLD SOIL RESOURCES OFF. Catalogue of maps. Ed. 3. Rome, 1965. 165 p. Z6028.W6
Soil map of the world, FAO/UNESCO project. Includes soil, land use, and vegetation maps.
- 44738 WRIGHT, J. A soil survey of the Clare, Millaroo and Dalbeg districts. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):79-81. Jan.1,1966. 65.9 Q3C

SOIL MANAGEMENT

- 44739 ARIZONA WATERSHED SYMPOSIUM, 9, TEMPE, 1965. Proceedings. Tucson, 1965. 38 p., map. 292.9 Ar425
Sponsored by Arizona Water Resources Committee and Watershed Management Division, State Land Department of Arizona.
- 44740 BROOKS, D. B. Strip mine reclamation and economic analysis. Natur. Resources J. 6(1):13-44. Ref. Jan.1966. L9 N19
- 44741 COX, P. T. Institutions affecting small watershed development. Okla. Curr. Farm Econ. 38(4):102-113. Dec.1965. 100 Ok4
- 44742 HALL, J. M. Watershed management and wildlife habitat. Ariz. Watershed Symp. Annu. Proc. 9:22-23. Sept.22,1965. 292.9 Ar425
- 44743 PASE, C. P., and INGEBO, P. A. Burned chaparral to grass: early effects on water and sediment yields from two granitic soil watersheds in Arizona. Ariz. Watershed Symp. Annu. Proc. 9:8-11. Sept.22,1965. 292.9 Ar425
- 44744 QURESHI, I. M., and YADAV, J. S. P. Some factors influencing watersheds. Indian Forest. 92(1):3-11. Ref. Jan.1966. 99.8 In2
Chiefly on soil moisture relations in watershed management.
- 44745 ROBINSON, R. E. The Cibecue Project, a review. Ariz. Watershed Symp. Annu. Proc. 9:24-25. Sept.22,1965. 292.9 Ar425
Watershed program.

Soil Fertility

- 44746 AITKEN, J. B., and SENN, T. L. Seaweed products as a fertilizer and soil conditioner for horticultural crops. Bot. Mar. 8(1):144-148. May 1965. 450 B6582
Chiefly fruit, vegetables, and ornamental plants.
- 44747 ANDRYUSHCHENKO, V. K. Application of molybdenum fertilizers on cotton. (Rus) Khim. Sel'skom Khoz. 3(11):11-14. Nov.1965. 385 K524
- 44748 ATANASIU, N., and others. Dungung der kulturpflanzen. Zweite Halfte [Fertilizing of field crops. Part 2]. New York, Springer-Verlag, 1965. p.843-1916. Ref. (Linser, H., ed Handbuch der Pflanzenernahrung und Dungung, v.3) 463.34 L65
W. Baden, F. Baltin, L. D. Baver, A. Blaumauer, E. von Boguslawski, K. Braunlich, D. Bruning, Y. Coic, L. Forchhammer, W. Frohner, A. Fruhstorfer, L. Gisiger, M. Gokgol, W. Gruppe, C. Heinemann, W. Jahn-Deesbach, J. Jung, E. Klapp, L. M. Kopetz, H. Kraut, P. W. Kurten, H. Linser, H. Locker, H. Ludecke, F. Mappes, A. von Muller, W. Muller, K. Nehring, K. H. Neumann, F. Penningsfeld, E. Primost, H. Ruther, K. Schmid, H. Schroder, W. Schuster, O. Siegel, O. Steinbeck, O. Steiner, V. Taysi, H. Will, W. Wirths, and F. Zattler, joint authors.
German-English and English-German subject indexes.

- 44749 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Set-backs to soil fertility. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 52:14-19. Sept.1965. 23 R88
Pasture soils.
- 44750 AWAN, A. B. The effect of fertilization on potato yields. Ceiba 11(1):18-21. Mar.1965. 475 C32
Honduras.
- 44751 BAKER, A. S., and MORTENSEN, W. P. Effect of soil acidity and phosphorus rate and placement on yield of broccoli, cucumbers and sweet corn. Wash. Agr. Exp. Sta. Bull. 668, 9 p. Ref. Dec.1965. 100 W27E
- 44752 BAULINA, V. Problems of fertilizer utilization. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:18-19. Feb.8,1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Sovetskaya Rossiya, Dec.22, 1965:1.
- 44753 BERLIC, T. Results of the exact tests with fertilizers for pastures. (Se) Agrohemija 10: 572-575. 1965. 385 Ag87
Chiefly effects on yields.
- 44754 BESKOV, I. KH. Use of industrial wastes containing lime for increase of fertility of the Chernozem soils. (Rus) Khim. Sel'skom Khoz. 4(1):5-10. Ref. Jan.1966. 385 K524
Field crop fertilizers.
- 44755 BONDAREV, V. P. Phosphorus in local ores—a important source for improvement of soil fertility. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:343-347. 1964. 20 M857
- 44756 BONDAREV, V. P. Use of lime ores as fertilizers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:337-342. 1964. 20 M857
Field crops.
- 44757 BOOTH, E. The manurial value of seaweed. Bot. Mar. 8(1):138-143. Ref. May 1965. 450 B6582
Compared with farm yard manure.
- 44758 BOUYER, S. Experiments in fertilization. (Fr) Agron. Trop. [Paris] 20(10):1025-1028. Oct. 1965. 26 Ag86
Tropics.
- 44759 BRANDENBURGER, V. Fertilizing of malting barley in central mountain areas. (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):392,394,396. Mar.10,1966. 18 N39
- 44760 BROEK, B. VAN DEN. The area of north of Wageningen; a description of the vegetation, soils and the suitability for rice growing. (Du) Surinaamse Landbouw 13(5):214-217. 1965. 9,6 Su7
English summary.
- 44761 BRUCE, R. C. Effect of Centrosema pubescens Benth. on soil fertility in the humid Tropics. Queensland J. Agr. Anim. Sci. 22(2):221-226. June 1965. 23 Q37
- 44762 BUCHNER, A., and STURM, H. Proper nitrogen fertilizing in spring 1966. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):232-234. Feb.17,1966. 18 N39
- 44763 BULLEN, E. R. Fertilisers for intensive cereal production. Nat. Inst. Agr. Bot. J. 10 (2):352-356. 1965. 103 N21J
- 44764 BUTS, V. M. Some peculiarities arising from use of ammonia liquor on meadows. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:293-297. 1965. 20 M857
- 44765 CAMPBELL, D. A. The sky's the limit; aerial mechanisation of pasture improvement and soil conservation in New Zealand. New Zeal. Soil Conserv. Rivers Control Council. Bull. 18,25 p. Ref. 1965. 56.9 N49
Use of aircraft in fertilizer application and seed planting.
- 44766 CARVALHO, M. C. DE. Fertilization of the potato *Solanum tuberosum* L. (Por) Gaz. Agr. [Lourenco Marques] 17(188):2-7. Jan.1965. 24 G25
- 44767 CHAMINADE, R. Research on fertility and fertilization of tropical soils; basic principles and techniques. (Fr) Agron. Trop. [Paris] 20 (10):1014-1017. Oct.1965. 26 Ag86
- 44768 CHANDNANI, J. J. Urea in sugarcane production. Fert. News 10(12):122-127. Ref. Dec. 1965. 57.8 F4123
- 44769 CHIU, T. F., HUANG, W. L., and LI, L. T. Experiment on fertilizer response of rice varieties of Taiwan. I (Ch) Agr. Ass. China. J. (n.s.)51:37-46. Sept.1965. 22.5 Ag862
English summary.
- 44770 COCKS, K. D. Deferred grazing and nitrogen fertilization in Southern Australia. Exp. Agr. 1(4):271-279. Oct.1965. 10 Ex72
- 44771 CONRAD, C. E., WOOLFOLK, E. J., and DUNCAN, D. A. Fertilization and management implications on California annual-plant range. J. Range Manage. 19(1):20-26. Jan.1966. 60.18 J82
Using sulfur and nitrogen as fertilizers; includes herbage yields and grazing capacity.
- 44772 COOK, C. W. Plant and livestock responses to fertilized rangelands. Utah. Agr. Exp. Sta. Bull. 455,35 p. Ref. Oct.1965. 100 Ut1
Nitrogen and phosphorus for beef cattle ranges.
- 44773 CREMER, L. C. N. DE LA L. Possibilities for use of liquid manure and manure. (Du) Groenten Fruit 21(27):1229. Jan.19,1966. 80 G89
Application.
- 44774 DE DATTA, S. K., and MOOMAW, J. C. Availability of phosphorus to sugar cane in Hawaii as influenced by various phosphorus fertilizers and methods of application. Exp. Agr. 1(4):261-270. Ref. Oct.1965. 10 Ex72
- 44775 DOEHRING, W. Potassium-phosphate fertilizing after a wet year. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):228-230,232. Feb.17,1966. 18 N39
- 44776 DOMYSHEV, N. Liquid fertilization of pastures. (Rus) Zemledelie 1:53. Jan.1966. 20 Z44
Ammonia liquor.
- 44777 DRIESSCHE, R. VAN DEN. Additional treatments and factors in factorial experiments. Fertilite 25:41-45. Oct./Nov.1965. 57.8 F4122
Fertilizing.
- 44778 DURAND, J. H. A method of interpreting soil data. (Fr) Agron. Trop. [Paris] 20(10):1018-1021. Oct.1965. 26 Ag86
Factors determining the agricultural value of soils.
- 44779 ENGELBERT, R. Tests with hyperphosphate in Styria. (Se) Agrohemija 10:566-568. 1965. 385 Ag87
- 44780 EZEDINMA, F. O. C. Fertilizer placement for sole-crop cowpeas in southern Nigeria. Exp. Agr. 1(4):299-303. Oct.1965. 10 Ex72
- 44781 FERTILITE. Agronomist's index-cards. Fertilite 24,87 p. Apr./May 1965. 57.8 F4122
Chiefly fertilizing.
- 44782 FIEDLER, J. Application of fertilizers for sugar beets. (Cz) Za Vysokou Urodu 13(12, sup.):20-21. Dec.7,1965. 64.8 Z12
- 44783 GIERKE, K. VON. Pot experiments on the manurial effect of sugar beet leaves, applied to oats and spring wheat, and in the physiological effect of the nitrogen components on yield. (Ge) Z. Acker- Pflanzenbau 123(2):109-120. Ref. Jan.1966. 18 J825
English summary.
- 44784 GLADKII, M. F., and PANOVSII, N. A. Application of molybdenum fertilizers in growing alfalfa on leached Chernozem soils. (Rus) Khim. Sel'skom Khoz. 3(11):14-16. Nov.1965. 385 K524

- 44785 GOPINATH, D. M. Response to NPK fertilisation in flue-cured tobacco. *Fert. News* 10(12): 131-136. Dec.1965. 57.8 F4123
Effects on yields and leaf quality.
- 44786 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Lime in agriculture. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 542,5 p. Nov.1965. 10 G79La
- 44787 GRIGNAC, P. Effects of potassium fertilizing on yield and technological quality of hard wheat. (Fr) *Potasse* 39(328):181-183. Oct. 1965. 57.8 P84
- 44788 GRUNEWALD, G. Fertilizing in the winter months. (Ge) *Chem. Tech. Landwirt.* 16(11): 363-364. Nov.1965. 384 C4292
Field crops.
- 44789 GULYAKIN, I. V. Chemistry in agronomy—a basis for development of agricultural yields. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:167-177. 1964. 20 M857
Fertilization of field crops.
- 44790 GULYAKIN, I. V., SEMENOV, P. YA., and CHUPRIKOV, YU. K. Effects of manure and mineral fertilizers on properties of soddy Podzol soils and yields of corn in monoculture. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:113-117. 1965. 20 M857
- 44791 GULYAKIN, I. V., GUKOVA, M. M., and MARGINA, M. P. Effects of phosphorus and potassium on broadbean yields and accumulation of nitrogen. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:299-304. 1964. 20 M857
- 44792 GULYAKIN, I. V., and others. Important problems of chemistry in agronomy of non-Chernozem zone. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99: 179-195. 1964. 20 M857
P. M. Smirnov, Kh. K. Asarov, and F. A. Yudin, joint authors.
Proper application of fertilizers on field crops.
- 44793 HAMERNIK, F. Green manures as fertilizers. (Cz) *Za Vysokou Urodu* 13(7):271-272. July 2, 1965. 64.8 Z12
- 44794 HANNINEN, P. Boron fertilization and red clover seed production in central Finland. *Suomen Maataloustieteellinen Seura. Julkaisu* 107:154-160. Ref. 1965. 20 Su7
- 44795 HOPPE, H. A. Marine algae as fertilizers and soil conditioners. (Ge) *Bot. Mar.* 8(1):133-137. Ref. May 1965. 450 B6582
English summary.
- 44796 HOSEK, V. Results of the semiproductive tests with the additional application of fertilizers for winter wheat based on the chemical analysis of standing wheat. (Cz) *Za Vysokou Urodu* 13(6):211-212. May 4,1965. 64.8 Z12
- 44797 HRISC, T. Tests with various phosphoric fertilizers for pears. (Se) *Agrohemija* 10:576-577. 1965. 385 Ag87
- 44798 HURBIS, K. Correct application of mineral fertilizers. (Cz) *Za Vysokou Urodu* 13(6):230-231. May 4,1965. 64.8 Z12
Effect on yields of field crops.
- 44799 IGARASHI, T., NITTA, K., and SAWADA, Y. Studies on techniques of fertilization for cultivation of grasses and legumes in Tokachi volcanic ash soil. 3. Effects of amounts of rock-phosphate, superphosphate and fused phosphate on the growth of red clover. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 87:32-37. Ref. Dec.1965. 107.6 H68
English summary.
- 44800 IL'IN, S. S. On the utilization of nutritive matter of fertilizers and soils by field crops in the rotation of crops system. (Rus) *Khim. Sel'skom Khoz.* 3(12):2-6. Dec.1965. 385 K524
Effect on yields
- 44801 ISOTALO, A. Ley fertilisation trials at the Arctic Circle Experiment Station in 1953-1963. (Fi) *Suomen Maataloustieteellinen Seura. Julkaisu* 107:161-170. 1965. 20 Su7
English summary.
- 44802 IVANOV, I. A. The effect of copper and molybdenum on yields of grasses and legumes mixtures, grown on sod-podzolic soils. (Rus) *Khim. Sel'skom Khoz.* 3(12):11-12. Dec.1965. 385 K524
- 44803 IVERSEN, K. Do we use too little phosphoric acid and potassium?—or do we use too much? (Da) *Dansk Landbrug* 85(2):54-56. Feb.1966. 280.28 V91
Field crop fertilizing and yields.
- 44804 JAKATE, P. N. How potash helps in enhancing cotton yields. *Fertilite* 25:34-40. Ref. Oct./Nov.1965. 57.8 F4122
India.
- 44805 JELINEK, V. The effect of mineral fertilizers on yield and starch content of potatoes. (Cz) *Agrochemia [Bratislava]* 5(5):135-139. Ref. 1965. 385 Ag88
English summary.
- 44806 JONES, C. D. Notes on fertilizing. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart.* 29 (3):103-104. Jan.1,1966. 65.9 Q3C
- 44807 KAILA, A. Effect of liming on the mobilization of soil phosphorus. *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 37(4): 243-254. Ref. 1965. 20 Su7M
- 44808 KARA, YU. M. Effect of fertilizers based on humic acids on tobacco yields. (Rus) *Tobak* 4:20-23. 1965. 69.8 T112
- 44809 KARMANOV, I. I. Alteration of tropical soils under cultivation. (Rus) *Pochvovedenie* 1:36-48, map. Jan.1966. 57.8 P34
English summary.
Rice soils in Burma.
- 44810 KHAMRAEV, T. R. Effects of fertilizers on yields and quality of sorghum grown on saline soils in Bukhara Region. (Rus) *Khim. Sel'skom Khoz.* 4(1):10-12. Ref. Jan.1966. 385 K524
- 44811 KIM, C. M. The nutrient holding capacity of woodland soils in Korea. (Ko) *Seoul Univ. J. Biol. Agr. Ser. (B)* 16:148-172. Ref. May 1965. 442.9 So84
English summary.
- 44812 KISELEVA, I. A. Effect of prolonged fertilizer application in rotation of crops on yields and quality of winter rye. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:257-261. 1964. 20 M857
Mineral fertilizers.
- 44813 KNESCH, H. Cropping and fertilizer plan 1966. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(10):377-378. Mar.10,1966. 18 N39
Chiefly fertilizing.
- 44814 KNOPPERS, P. C. Manure for early tomato culture. (Du) *Groenten Fruit* 21(15):675. Oct.20,1965. 80 G89
- 44815 KOLARIK, J. Evaluation of results of analysis of plants grown in experimental plots. (Cz) *Agrochemia [Bratislava]* 5(5):134. 1965. 385 Ag88
English summary.
Effects of fertilizers on yields of field crops.
- 44816 KORENSKY, F. Application of fertilizers under conditions of irrigation. (Cz) *Za Vysokou Urodu* 13(5):170-172. May 4,1965. 64.8 Z12
In the irrigation of field crops.
- 44817 KOSMAT, H. Results of several years' fertilizer research with liquid manure, barn manure, and mineral fertilizers on grassland on different soils. (Ge) *Bodenkultur* 16(3):250-262. Ref. Sept.1965. 19 B635
English summary.
Austria.
- 44818 KRAIN'YUK, P. K. Application of mineral fertilizers in growing of cotton in Samarkand Region. (Rus) *Khim. Sel'skom Khoz.* 3(11):72-74. Nov.1965. 385 K524

- 44819 KUCHKAROV, T. Dates and dosage for fertilizer application on Sierozem soils. (Rus) Khlopkovodstvo 1:24-26. Jan.1966. 72.8 K522 Cotton.
- 44820 KULIK, M. S. Importance of meteorological conditions for effectiveness of mineral fertilizers. (Rus) Meteorol. Gidrol. 12:17-23. Ref. Dec.1964. 345 M56 Use for grain crops.
- 44821 KULKARNI, L. G. Stepping up yields of oil-seeds. Fert. News 10(12):128-130. Dec.1965. 57.8 F4123 Fertilizing.
- 44822 KUROCHKIN, K. I. Effectiveness of periodic liming and systematic use of fertilizers in crop rotation and in monoculture. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:193-200. 1965. 20 M857 Field crops.
- 44823 KURTEN, P. W. Warum ist die Erhaltung der Bodenfruchtbarkeit so wichtig? [Why is the maintenance of soil fertility so important?]. Mitt. Deut. Landwirt.-Ges. Illus. Beilage 2,8 p. Feb.17,1966. 18 N39A Includes erosion control and fertilizing.
- 44824 LAL, G. Role of superphosphate in crop production in India. Fert. News 10(12):95-102. Dec.1965. 57.8 F4123
- 44825 LAMZIN, V. P. The effect of various fertilizers on the yields of the green mass of the yellow forage lupine planted in fallows. (Rus) Khim. Sel'skom Khoz. 3(12):6-8. Ref. Dec. 1965. 385 K524
- 44826 LIKHOLAT, V. D. Effects of copper on yields of sugar beets grown under condition of the northern forest-steppe zone. (Rus) Khim. Sel'skom Khoz. 4(1):13-14. Jan.1966. 395 K524
- 44827 LIPOVEC, J. Test with phosphoric fertilizers for the Jonathan apple variety. (Se) Agrohemija 10:578-579. 1965. 385 Ag87
- 44828 LISKIN, A. E. Effect of fertilizers on sugar beet yields on the non-Chernozem zone. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:69-76. Ref. 1965. 20 M857
- 44829 LOPATNIK, J. New data on the application of fertilizers under irrigation conditions. (Cz) Za Vysokou Urodu 13(12,sup.):13-16. Dec.7, 1965. 64.8 Z12 Chiefly effect on the yields of field crops.
- 44830 MALAVOLTA, E., and others. Foliar diagnosis applied to the sugar cane; results of the first harvest in 40 NPK 3x3x3, factorial experiments in the state of Sao Paulo (Brazil). Fertilitate 25:3-32,map. Ref. Oct./Nov.1965. 57.8 F4122
- 44831 MEHTA, T. R. Development of fertilizer use. Fert. News. 10(12):25-29. Dec.1965. 57.8 F4123
- 44832 MERBITZ, H. Soil exhaustion endangers the farm! (Ge) Mitt. Deut. Landwirt.-Ges. 81(4): 109-110,112,114. Jan.27,1965. 18 N39 Nitrogen fertilizing.
- 44833 MESHCHERYAKOV, A. M., RASHIDOV, KH. I., and CHERNOVA, M. G. Effectiveness of pre-sowing application of nitrogen fertilizers. (Rus) Khlopkovodstvo 1:23-24. Jan.1966. 72.8 K522 Cotton.
- 44834 MILLER, J. Corn—giant among crops! Agr. Ammonia News 16(2):52,54-55. Mar./Apr. 1966. 381 Ag82 Increase yield by fertilizer use.
- 44835 MINHAS, B. S., and SRINIVASAN, T. N. New agricultural strategy analysed. Yojana 10(1): 20-24. Jan.26,1966. 280.8 Y7 Fertilizer application in India.
- 44836 MIRCHANDANI, T. J. Agronomic survey and experiments with reference to fertilisers for increasing food production. Fert. News 10(12): 52-57. Dec.1965. 57.8 F4123 Chiefly fertilizing of grain.
- 44837 MOLAN, V. Test with fertilizers on the once-mowed pasture. (Se) Agrohemija 10:582-583. 1965. 385 Ag87
- 44838 MONDAL, A. K. Improving per acre jute yield through fertilizer use. Fert. News 10(12):137-142. Ref. Dec.1965. 57.8 F4123
- 44839 MONTEITH, N. H. Use of soil phosphorus and potassium analyses for fertilizer advice on sugarcane lands in Fiji. Trop. Agr. [St. Augustine] 43(1):75-82. Ref. Jan.1966. 26 T754
- 44840 MOORE, A. W. The influence of fertilization and cutting on a tropical grass [Cynodon plecostachyus]-legume [Centrosema pubescens] pasture. Exp. Agr. 1(3):193-200. Ref. July 1965. 10 Ex72
- 44841 NEMEC, A., and MAZANEC, O. The level of the application of commercial fertilizers on farms during 1964. (Cz) Agrochemia [Bratislava] 5(5):139-142. 1965. 385 Ag88 English summary.
- 44842 ONDRAVEK, L., KORDIK, E., and TUMOVA, E. Agrochemical effectiveness of combined fertilizers on corn. (Cz) Agrochemia [Bratislava] 5(5):162-164. 1965. 385 Ag88 English summary. Chiefly effect on yields.
- 44843 OSTROWSKI, H. Some pastures need heavy initial fertilizing. Queensland Agr. J. 91(12): 721-722. Dec.1965. 23 Q33 Superphosphate.
- 44844 OUDIN, M. Results from experiments with nitrogen fertilization of Italian ryegrass. (Fr) Fourrages 23:72-92. Sept.1965. 60.8 F82 English summary, p.164. Chiefly effects on yields.
- 44845 PANKOV, V. V. Dates for taking samples of tomato leaves for chemical diagnosis of nitrogen and phosphorus nutrition. (Rus) Khim. Sel'skom Khoz. 3(10):15-19. Oct.1965. 385 K524
- 44846 PATZKE, W. Use of liquid manure in the Netherlands. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 136:17-18. Jan.15,1966. 281.8 B462
- 44847 PESAK, M. Current problem of the plant nutrition from the point of tests of soil fertility and fertilizers application. (Cz) Za Vysokou Urodu 13(12,sup.):23-24. Dec.7,1965. 64.8 Z12
- 44848 PETERBURGSKII, A. V., and KULYUKIN, A. N. Vanadium and molybdenum as fertilizers on peas. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:313-318. 1964. 20 M857
- 44849 PETROVA, L. I. Prolonged application of potassium chloride in flax crop rotation. (Rus) Khim. Sel'skom Khoz. 3(11):6-8. Nov.1965. 385 K524
- 44850 PLATE, H. Fertilizing your fall grains. Agway Coop. 1(10):24. July 1965. 280.28 Ag9
- 44851 PLUMB, J. Seaweed saved my garden. Org. Gard. Farming 13(4):62-64. Apr.1966. 57.8 Or32 As fertilizer for vegetables.
- 44852 POTATUEVA, YU. A., YANISHEVSKII, F. V., and ANDREEVA, E. I. Application of minor element fertilizers as components in fertilizer mixtures. (Rus) Khim. Sel'skom Khoz. 4(1): 2-5. Jan.1966. 385 K524 Field crops.
- 44853 RAYCHAUDHURI, S. P. Role of complex fertilisers in crop nutrition—ammonium phosphate and nitrophosphate. Fert. News 10(12):81-85. Ref. Dec.1965. 57.8 F4123 Effects on rice and wheat yields.
- 44854 RESHETNIKOVA, N. V. Use of Martin slag as fertilizers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99: 279-286. 1964. 20 M857 Oats.
- 44855 RICHARDS, J. A. Effects of fertilizers and management on three promising tropical grasses in Jamaica. Exp. Agr. 1(4):281-288. Oct.1965. 10 Ex72 Nitrogen fertilizer on Cynodon dactylon, Digitaria decumbens and Panicum maximum.

- 44856 ROCHE, P., and VELLY, J. Methods used for reconstituting the fertility of tropical soils; studies on deficiencies--field trials--response curve; results obtained in Madagascar. (Fr) Agron. Trop. [Paris] 20(10):1029-1033. Oct. 1965. 26 Ag86
- 44857 RUBTSOV, V. V. Fertilization before planting. (Rus) Sadovodstvo 11:20-21. Nov.1965. 80 Sa13
Apples.
- 44858 RYABCHUK, D. I., LYASHINSKII, V. P., and NIKOLYUK, I. G. On the application of organic and mineral composts to the corn on leached chernozem soils. (Rus) Khim. Sel'skom Khoz. 3(12):62-65. Ref. Dec.1965. 385 K524
- 44859 SAMVIRKENDE LOLLAND-FALSTERSKE LANDBOFÖRENINGER. PLANTEAVLSUDVALGET. Planteavlten ved E. Vestergaard, K. Vive og K. Skriver [Crop production by E. Vestergaard, K. Vive and K. Skriver], 1965. Nykøbing, 1966. 128 p. 11 Sa43
Chiefly fertilizing of field crops.
- 44860 SANKARASUBRAMONEY, H. Role of soil testing in determining plant food requirements of crops. Fert. News. 10(12):58-60. Dec.1965. 57.8 F4123
- 44861 SATBAGAMBETOV, K. On the effectiveness of utilization of nitrophos for cotton. (Rus) Khim. Sel'skom Khoz. 3(12):12-13. Dec.1965. 385 K524
Effect on yields.
- 44862 SEMENOV, P. YA., and KUZ'MENKOV, A. V. Seasonal dynamics of agrochemical properties of soddy-podzolic soils by application of organic and mineral fertilizers. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:271-278. 1964. 20 M857
On corn.
- 44863 SETH, G. R., and ABRAHAM, T. P. Crop responses to fertilisers and their economics. Fert. News. 10(12):31-39. Dec.1965. 57.8 F4123
- 44864 SHIRAI, T., and others. Effect and mineralization of a slow-working nitrogenous fertilizer, IBDU. (Ja) Shizuoka. Citrus Exp. Sta. Bull. 5: 43-50. Oct.1965. 93.33 Sh62B
K. Nakama, T. Ishida, S. Takahashi, N. Okada, and H. Iida, joint authors.
English summary.
Fertilizer for oranges.
- 44865 SHLOMI, A. Maize. Beer-Sheba, 1965. 36 p. Ref. (Fertilizer Development Council. Crop Fertilization Series) S667.M3S5
- 44866 SHU, Y. P. The effect of nitrogen and phosphorous on rice reproduction in Dominican Republic. (Ch) Agr. Ass. China. J. (n.s.)51:47-60. Sept.1965. 22.5 Ag862
English summary.
- 44867 SINGH, A., and SHARMA, S. K. Crop responses to fertilizer use in I.A.D.P. [Intensive Agricultural District Programme]. Fert. News. 10(12):41-46. Dec.1965. 57.8 F4123
- 44868 SINGH, A. Responses of sugar cane to sunn green manuring in India. Exp. Agr. 1(3):209-214. July 1965. 10 Ex72
- 44869 SMITH, D. R. Pot test of nutritive status of two high elevation soils in Wyoming. J. Range Manage. 19(1):38-40. Jan.1966. 60.18 J82
Oats.
- 44870 SMITH, I. D. Start corn off with a "pop-up." Doane's Agr. Rep. 29(8):12-14. Mar.8,1966. 281.8 D652
Fertilizers.
- 44871 SOWELL, W. F., and ADAMS, F. Lime pays in many ways. Auburn Univ. Ext. Circ. P-46, 11 p. July 1965. 275.29 AL14Cp
In soil improvement.
- 44872 SPINKA, J. Utilization of the so called diagnosis of leaves in fruit culture. (Cz) Ziva 13 (1):3-4. Jan.1965. 409.6 Z6
- 44873 SPITHOST, L. S. Stikstofanalyse en stikstofbemesting van een zandgrond voor de teelt van tomaten. Nitrogen soil analysis and nitrogen fertilization of a sandy soil for tomato culture. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 671,23 p. Ref. 1965. 105.2 V61V
- 44874 SPRATT, E. D., and MCCURDY, E. V. The effect of various long-term soil fertility treatments on the phosphorus status of a clay Chernozem. Can. J. Soil Sci. 46(1):29-36. Ref. Feb.1966. 56.8 C162
- 44875 SQUILLACI, A. Comparative test of two foliar fertilizers on mandarin (Citrus reticulata Blanco). (It) Tec. Agr. 16(5/6):199-207. Ref. Sept./Dec.1964. 16 T22
- 44876 STANACEV, S. Top dressing of sugar beets and the effect of the method of top dressing on root, leaf and sugar yields. (Se) Savremena Poljoprivreda 13(4):285-302. Ref. Apr.1965. 21 P75
English summary.
- 44877 SU, N. J. Soil-plant interrelation in magnesium nutrition of pineapple and influence of magnesium on yield response to added potash. (Ch) Agr. Ass. China. J. (n.s.)51:26-36. Ref. Sept. 1965. 22.5 Ag862
English summary.
- 44878 SVENSSON, B. Matpotatisens kvalitet. VIII. Inverkan av olika kaliumgodselmedel på matpotatisens avkastning och kvalitet. The quality of table potatoes. VIII. Influence of different potassium fertilizers on the yield and quality of table potatoes. Uppsala. Lantbrukshögsk. Medd. Ser. A, 38,15 p. 1965. 11 Up62
English summary.
- 44879 SWAMINATHAN, M. S. Genetic manipulation of fertilizer effectiveness. Fert. News 10(12): 13-18. Dec.1965. 57.8 F4123
Grain varieties.
- 44880 TAZABEKOV, T. T., GNEZDILOV, L. P., and SABIROV, L. T. Dynamics of fertility elements in soils of Alma-Ata Region. (Rus) Pochvovedenie 1:25-35. Ref. Jan.1966. 57.8 P34
English summary.
- 44881 TIEDJENS, V. A. More food from soil science; the natural chemistry of lime in agriculture. New York, Exposition Press, 1965. 300 p. Ref. S643.T5
- 44882 TISDALE, S. L., and NELSON, W. L. Soil fertility and fertilizers. Ed. 2. New York, Macmillan, 1966. 694 p. Ref. S633.T5
- 44883 TJWAN, K. B., and MASSEY, H. F. Plot sizes for fertilizer experiments with corn under certain conditions in the Tropics. Soil Sci. 101(2):152-154. Feb.1966. 56.8 So3
- 44884 TRUKSA, J. Fertilizers for corn. (Cz) Za Vysokou Urodu 13(12,sup.):22-23. Dec.7,1965. 64.8 Z12
- 44885 TRUOG, E. Organic matter is badly needed. Hoard's Dairyman 111(3):136. Feb.10,1966. 44.8 H65
Fertilizers.
- 44886 UMBERG, H. Usufructuaries of soil research. (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):330,332, 334. Mar.3,1966. 18 N39
In relation to fertilizer use.
- 44887 UTENYSHEV, YU. P. Role of fertilizers in cultivation of lupine as forage plant on sandy soddy-podzolic soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:305-312. 1964. 20 M857
- 44888 VANHA, B. Application of fertilizers to potatoes according to the purpose of their cultivation. (Cz) Za Vysokou Urodu 13(12,sup.):18-20. Dec.7,1965. 64.8 Z12
- 44889 VARLEY, J. A. Automatic methods for the determination of nitrogen, phosphorus and potassium in plant material. Analyst 91(1079): 119-126. Feb.1966. 382 An1
Foliar analysis.

- 44890 VEKHOV, P. A. Utilization of carbonate waste as fertilizer. (Rus) Khim. Sel'skom Khoz. 3 (12):66-67. Dec.1965. 385 K524
Effect on yields of forage beets.
- 44891 VIANNA E SILVA, M. NPK compound fertilizers. (Por) Gaz. Agr. Angola 10(11):618-619, 621. Nov.1965. 24 G252
- 44892 VOLOGDIN, A. G. Problema udobrenii i ugle-tuke [Problems of fertilizers and industrial wastes]. Nar. Univ. Sel'skokhoz. Fak. [Knizhka] 9,70 p. 1965. 275.9 N16
- 44893 VRIES, K. DE. Fertilizer suggestions for Cymbidium. (Du) Orchideeen (n.s.) 27(3):59-60. June 1965. 80 Or182
- 44894 VUJANIC, N., and JANKOVIC, S. A contribution to the study of testing of fertilizers for corn. (Se) Savremena Poljoprivreda 13(1):79-83. Jan.1965. 21 P75
- 44895 VULPEN, J. VAN. The fertility situation of grassland in the Province of Utrecht. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfs-voorlichting Jaarnummer 1964:10-16. 1965. 12 N3833J
- 44896 WACHTEL, H. Tests and application of finely ground phosphates in Austria. (Se) Agrohemija 10:562-565. 1965. 385 Ag87
Fertilizers.
- 44897 WATANABE, K., MORI, T., and FUJITA, I. Studies on the nutritional elements of fertilizer in the upland soils of Hokkaido, and their improvement due to fertilization. II. The relationships between the distribution pattern and the transformation process of the applied fertilizers in the Tokachi volcanic upland soils. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 87:18-31. Ref. Dec.1965. 107.6 H68
English summary.
- 44898 WAYDBRINK, W. V. D., and BAHRO, K. J. Use of lower moor peat for improvement and fertilizing of mineral soils. (Ge) Deut. Landwirt. 17(2):93-96. Ref. Feb.1966. 18 D4822
- 44899 WERMKE, M. Arrangement of fertilization experiments in practical pasture management. (Ge) Tierzuchter 18(5):139-141. Mar.5,1966. 49 T445
- 44900 WRIGHT, G. W., BOHANNON, R. A., and SMITH, F. W. Lime and fertilizer recommendations from soil tests. Kans. State Univ. Ext. C-352,8 p. Sept.1965. 275.29 K13Ex
Field crops.
- 44901 ZALYALOV, F. K. Effectiveness of small dosage of organic and superphosphate mixtures applied in rows on wheat grown under conditions of semidesert areas of southeast. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:209-214. 1964. 20 M857
- 44902 ZALYALOV, F. K. Methods and dates for application of fertilizers to fallow lands in semi-arid zone. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:185-191. 1965. 20 M857
Organic and mineral fertilizers for grain crops.
- Soil Tillth and Tillage
- 44903 AFANAS'EV, R. A. Effect of soil tillage method on state of grass stand in the process of accelerated regrassing. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:285-288. 1965. 20 M857
- 44904 BOER, J. Experiences of the world ploughing contest in Norway. (Du) Landbouwmecanisatie 17(2):151-157. Feb.1966. 58.8 L2352
English summary.
- 44905 BUCHHOLZ, K. 1966 spring tillage from the viewpoint of the expert. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):239-240,242. Feb.17,1966. 18 N39
- 44906 CLARK, D. E., and HORE, F. R. Vertical and horizontal mulch on Haldimand clay. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):592-593. Ref. 1965. 290.9 Am32T
Canada.
- 44907 DOMSCH, M. 1965 world plowing contest in Norway. (Ge) Deut. Agrartech. 16(1):24-26. Jan.1966. 58.8 D482
- 44908 FRENCH, G. W., and BLAKE, G. R. Primary tillage for potatoes. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):246-248. Ref. 1965. 290.9 Am32T
- 44909 GOLDMAN, M. C. Landscaping with mulch. Org. Gard. Farming 13(4):46-49. Apr.1966. 57.8 Or32
- 44910 HARPAZ, Y., SHANAN, L., and TADMOR, N. H. Effects of a synthetic rubber crust mulch on the emergence and early growth of three grasses on sand dunes. Israel J. Agr. Res. 15 (3):149-153. July 1965. 107 J552
Rye, Ammophila arenaria, and Agropyron junceum.
- 44911 HOLLER, D. A., and VAN ARSDALL, R. N. Alternative systems of tillage for Illinois grain farms. Ill. Agr. Econ. 6(1):26-32. Jan.1966. 281.9 IL6I
- 44912 KARYAGINA, L. A. Effects of plowing depth on soddy-podzolic soils on development of micro-organisms. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:425-430. 1964. 20 M857
- 44913 KHOMENKO, A. F. An important agricultural practice. (Rus) Sakharn. Svekla 1:27. Jan. 1966. 66.8 Su393
Proper plowing of sugar beet soils.
- 44914 KINGSLEY, Q. S., and SHUBECK, F. E. Organic trenching in South Dakota claypan soils. S. Dak. Agr. Exp. Sta. Tech. Bull. 26,31 p. Ref. Nov.1965. 100 S982
- 44915 KRIEL, A. F. More vineyard land—look deeper, not further. (Af) Wynboer, Feb.1966:7,9,11, 13. 390.8 W724
Tillage.
- 44916 MORGAN, H. E. G. The mechanical cultivation of rice in the grasslands of Sierra Leone. Sols Afr. 10(1):117-121. Jan./Apr.1965. 56.8 So4
Text also in French, p.123-128.
- 44917 NEDIL'KO, T., and KANAREV, F. Cultivation of soil for rice. (Rus) Tekh. Sel'skom Khoz. 2:17-18. Feb.1966. 58.8 M11
- 44918 NELSON, C. E., EARLY, R. E., and MORTENSEN, M. A. The effects on wheat yield of deep discing and springtooth harrowing the soil following shanked in "ammonium nitrogen" fertilization. Wash. Agr. Exp. Sta. Circ. 459,8 p. Jan.1966. 100 W27S
- 44919 PARRINI, P. Problems and new experiences on primary soil tillage. (It) Genio Rurale 28 (12):1025-1034. Dec.1965. 281.8 R522
- 44920 PODVOISKII, M. F. Effect of deep plowing on some elements of ordinary Chernozem fertility. (Rus) Pochvovedenie 1:54-59. Jan.1966. 57.8 P34
English summary.
- 44921 RASKUTIN, O. A. Respond of corn to properties of subsoil horizons of soddy-podzolic types in connection with their cultivation. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:207-212. 1965. 20 M857
- 44922 RUSTAMOV, G. K. Preplanting cultivation of soils in Mugan. (Rus) Khlopkovodstvo 1:20-22. Jan.1966. 72.8 K522
For cotton.
- 44923 SANDSTROM, L. Fall plowing—principles and views. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(3):14-16. 1965. 12 L29
- 44924 SHADE, L. What I discovered about mulch-planted potatoes. Org. Gard. Farming 13(4):35-36. Apr.1965. 57.8 Or32
- 44925 SIDDOWAY, F. H., CHEPIL, W. S., and ARMBRUST, D. V. Effect of kind, amount, and placement of residue on wind erosion control. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):327-331. Ref. 1965. 290.9 Am32T
Stubble mulching.

- 44926 SMITH, B. Keep bark on top. Org. Gard. Farming 13(4):90. Apr.1966. 57.8 Or32 Mulching.
- 44927 TOURTE, R. Research on deep tillage of soils in a dry tropical zone. (Fr) Agron. Trop. [Paris] 20(10):1034-1037. Oct.1965. 26 Ag86

Drainage, Irrigation, Water Supply, and Flood Control

- 44928 ABDIL'DIN, S. A. Some results from the study of soil water regime in Volga-Akhtuba flood-plain. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:127-132. 1964. 20 M857
Measurement of water needed for irrigation of corn fields.
- 44929 AKATSUKA, K., HAKOISHI, T., and KONNO, T. The drainage effects of tile drain upon the properties of heavy clay soil. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 88:38-44. Dec. 1965. 107.6 H68
English summary.
- 44930 ALANNO, A. D'. Determination of the charges of operation and maintenance on collective irrigation networks. (It) Genio Rurale 28(12): 1035-1039. Dec.1965. 281.8 R522
- 44931 ALDERFER, R. B., and others. Sprinkler irrigation in New Jersey. N. J. Agr. Exp. Sta. Bull. 815,64 p. Feb.1966. 100 N46S
R. H. Hanna, L. C. Raniere, G. D. Brill, R. H. Marston, G. A. Quakenbush, K. S. Werkman, and K. P. Wilson, joint authors.
Irrigation Committee, College of Agriculture and Environmental Science, Rutgers, and U. S. Department of Agriculture, cooperating.
P.21-32 is a table of available water holding capacities of New Jersey soils.
- 44932 ASANAKUMOV, A., and RACHINSKII, V. V. Effects of water flow speed and concentration of solution on leaching of soil. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:533-535. 1964. 20 M857
- 44933 BANOCH, Z. Irrigation of alfalfa. (Cz) Za Vysokou Urodu 13(9):340-341. Aug.30,1965. 64.8 Z12
Includes effect on yields.
- 44934 BEAN, A. G. M. Water distribution by irrigation sprinklers. J. Agr. Eng. Res. 10(4):314-321. Dec.1965. 58.8 J82
- 44935 BERNSTEIN, L. Report to the Government of Israel on soil salinity research and the water problem. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1890, 13 p. 1964. 281.9 F733E
In relation to the use of saline irrigation water.
- 44936 BOUWER, H. Limitation of the Dupuit-Forchheimer assumption in recharge and seepage. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):512-515. 1965. 290.9 Am32T
- 44937 BRYSSINE, G., GAILLARD, J., and GROENEMAN, A. Dynamics of salt leaching from a Brown-Red steppe soil. (Fr) Awamia 14:47-71. Jan.1965. 24 Aw1
English summary.
In Morocco.
- 44938 BULLARD, W. E. An acid mine drainage pollution control demonstration program. J. Soil Water Conserv. 21(1):12-14. Jan./Feb.1966. 56.8 J822
- 44939 CAMPBELL, A. P. Use and control of water in the USA: lessons in technical organization. Soil Water 2(2):18-19. Dec.1965. 56.8 So323
- 44940 CASAMIQUELA, O. M. El riego en la República Argentina con especial referencia a la Provincia de Rio Negro [Irrigation in the Argentine Republic with special reference to the Province of Rio Negro]. Mex. Dir. Gen. Dist. Riego. Mem. Tec. 221,47 p.,map. May 1965. 292.9 M572
- 44941 CHERNENOK, V. YA. Reclamation of flooded peats with deep tile drainage. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:100-103. Jan. 1966. 20 V633
English summary.
- 44942 CHI, H. T. Three rivers' irrigation system. Peking Rev. 8(25):23-25, map. July 18,1965. 280.8 P36
China.
- 44943 CIRIACY-WANTRUP, S. V. Water resources and economic development: the challenge to knowledge. N. C. State Univ. Agr. Policy Inst. Ser. 16:1-10. Aug.1965. 281.9 N8122
- 44944 CONFERENCE ON WATER RESOURCES AND ECONOMIC DEVELOPMENT IN THE SOUTH, ATLANTA, 1965. Papers. N. C. State Univ. Agr. Policy Inst. Ser. 16,179 p. Ref. Aug. 1965. 281.9 N8122
- 44945 CONWAY, C. M. Population growth and the demand for water. N. C. State Univ. Agr. Policy Inst. Ser. 16:11-16. Aug.1965. 281.9 N8122
- 44946 CORNU, A., and MICHEL, C. Irrigation trials on maize. II. Complementary results obtained from coastal sands. (Fr) Awamia 15:1-21. Apr.1965. 24 Aw1
English summary.
- 44947 DANTIN, E. J., and KAZMANN, R. Louisiana Water Resources Research Institute. N. C. State Univ. Agr. Policy Inst. Ser. 16:165-172. Aug.1965. 281.9 N8122
- 44948 DAVYDOV, M. Water resources and pollution in the USSR. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 228: 17-21. Oct.1,1965. (JPRS 32,221; TT 65-32711) 173 J663Sove
Used in agriculture.
Translation from Ekonomicheskaya Gazeta 33:15. Aug.1965.
- 44949 DECOURSEY, D. G. Water yield computations. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):367-370, map. 1965. 290.9 Am32T
- 44950 DESHPANDE, A. M., and KULKARNI, D. R. Use of tensio-meters for irrigation. Nagpur Agr. Coll. Mag. 38(3):14-19. 1964/65. 107.5 N132
- 44951 DEWIEST, R. J. M. History of the Dupuit-Forchheimer assumptions on groundwater hydraulics. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):508-509. Ref. 1965. 290.9 Am32T
- 44952 DOROTHY, R. E. North Dakota's "plan ahead" farm. Reclam. Era 52(1):18-21. Feb.1966. 156.84 R24
For irrigation.
- 44953 ELLIS, H. H. Water rights and legislation in the Eastern States. N. C. State Univ. Agr. Policy Inst. Ser. 16:109-133. Ref. Aug.1965. 281.9 N8122
- 44954 FEKETE, I. The effectiveness of irrigational farming. (Hu) Magyar Mezogazdasag 21(5):11-12. Feb.2,1966. 19 M27
- 44955 FERNANDEZ MORENO, J. Irrigation of fruit trees. (Sp) Agricultura [Madrid] 399:380-383. (Cont.) July 1965. 15 Ag84
- 44956 FINDLAY, W. I., and FULTON, J. M. An automatic plot shelter for field irrigation experiments. Can. J. Soil Sci. 46(1):98-99. Feb. 1966. 56.8 C162
- 44957 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Utilization of underground water deposits. (Sp) Ceiba 11(1):9-17. Mar.1965. 475 C32
- 44958 FORKEL, H., and SCHIRACH, F. Economic research on the application of irrigation. (Ge) Deut. Landwirt. 17(2):86-89. Feb.1966. 18 D4822
Costs and returns.
- 44959 FREY, J. C. A commentary on water resources research institutes. N. C. State Univ. Agr. Policy Inst. Ser. 16:155-158. Aug.1965. 281.9 N8122

- 44960 FROST, K. R., and HAMILTON, L. Basin forming and reseeded of rangeland. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):202-203, 207. 1965. 290.9 Am32T
Water storage and control of runoff.
- 44961 GARKUSHA, N. A. Irrigation and reclamation construction in the Ukraine. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:7-9. Feb. 8, 1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Rabochaya Gazeta, Dec. 15, 1965:1.
- 44962 GARTON, J. E., and MINK, A. L. Spatially varied flow in an irrigation distribution ditch. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):530-531. 1965. 290.9 Am32T
- 44963 GEERLOF, A. J. Ditch cleaning demonstration in Hoogland. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:38-39, 42-44. 1965. 12 N3833J
- 44964 GELDHAFF, J. Practical inland swamp improvement in the Eastern Province of Sierra Leone. Sols Afr. 10(1):83-101. Jan./Apr. 1965. 56.8 So4
Text also in French, p.103-115.
Drainage.
- 44965 GERAGHTY, J. J. Are we really using ground water? Public Works 97(3):86-87, map. Mar. 1966. 290.8 M922
- 44966 GILB, J. Planning and construction of irrigation in Vorderpfalz. (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):400-402, map. Mar. 10, 1966. 18 N39
- 44967 GLOVER, R. E. Application of the Dupuit-Forchheimer assumptions in groundwater hydraulics. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):510-512. Ref. 1965. 290.9 Am32T
- 44968 GOMEZ DEL CASTILLO, R. Brief schemes of the water system in Mexican law. (Sp) Ingenieria Hidraul. Mex. Rev. 19(2):65-73. 1965. 290.8 In43
English summary, p.IV of yellow supplement.
- 44969 GORYUNOV, N. S. Effect of irrigation methods on some soil properties. (Rus) Pochvovedenie 1:18-25. Ref. Jan. 1966. 57.8 P34
English summary.
- 44970 GRADY, J. C. Ground water and irrigation in Texas. Fed. Reserve Bank Dallas. Bus. Rev., Nov. 1965:3-7, map. 284.8 F31D
- 44971 GRIPP, P. Overhead watering for Cymbidiums—a gripp on growing. Amer. Orchid Soc. Bull. 34 (8):692-694. Aug. 1965. 80 Am329
- 44972 HARDING, S. T. Recent variations in the water supply of the western Great Basin. Calif. Univ. Water Resources Cent. Arch. Arch. Ser. Rep. 16, 226 p. June 1965. 292.9 C128
Appendix: Variations in the runoff of the Western Great Basin based on tree ring records.
- 44973 HART, M. G. R., CARPENTER, A. J., and JEFFERY, J. W. O. Problems in reclaiming saline mangrove soils in Sierra Leone. Sols Afr. 10(1):71-75. Ref. Jan./Apr. 1965. 56.8 So4
Text also in French, p.77-82.
- 44974 HEATH, M. S. Alternative water demands and the adequacy of present arrangements. N. C. State Univ. Agr. Policy Inst. Ser. 16:53-65. Aug. 1965. 281.9 N8122
North Carolina.
- 44975 HERMSMEIER, L. F. Drainage characteristics of Fargo-Bearden soils. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):371-373, 376. 1965. 290.9 Am32T
Minnesota.
- 44976 HRAZDIRA, Z. Irrigation of pastures. (Cz) Za Vysokou Urodu 13(8):308-309. Aug. 2, 1965. 64.8 Z12
- 44977 HUFSCHMIDT, M. M. Systems analysis. N. C. State Univ. Agr. Policy Inst. Ser. 16:81-90. Ref. Aug. 1965. 281.9 N8122
In river-basin planning.
- 44978 HUNGERFORD, R. D. Regulating reservoir—new approach to water management. West. Crops 14(5):N18-N19. May 1965. 281.8 F2225N
Overhead irrigation for field crops.
- 44979 HUSZ, G. Something on the theory and practice of saline soil improvement with special reference to conditions in Seewinkel (Austria). I. (Ge) Bodenkultur 16(3):223-244. Sept. 1965. 19 B635
- 44980 JOHNSON, H. P., and LIGON, J. T. Glass bead-glycerol models for study of unsteady-flow drainage problems. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):379-381. 1965. 290.9 Am32T
- 44981 JOHNSTON, W. R., LETEY, J., and PILLSBURY, A. F. Tile drainage performance compared to theoretical predictions. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):548-549, 522. Ref. 1965. 290.9 Am32T
- 44982 JORDAN, O. The maintenance and repair of water courses. (Ge) Übersicht 17(2):116-118, 120. Feb. 12, 1966. 18 Ub3
Drainage canals.
- 44983 KAMYSHENTSEV, L., and IVANOV, E. Grading of drainage ditch slopes according to the light beam. (Rus) Tekh. Sel'skom Khoz. 1:21-22. Jan. 1966. 58.8 M11
- 44984 KEELEY, J. W. Problems of ground water pollution by brine. Public Works 97(3):149, 158, 160, 162. Mar. 1966. 290.8 M922
- 44985 KELLER, J. Selection of economical pipe sizes for sprinkler irrigation systems. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):186-190, 193. 1965. 290.9 Am32T
- 44986 KINDSVATER, C. E. Panel on university water resources institutes. N. C. State Univ. Agr. Policy Inst. Ser. 16:149-154. Aug. 1965. 281.9 N8122
- 44987 KIZYAEV, B. Application of digger with two rotary cutters for digging canals of parabolic cross section. (Rus) Tekh. Sel'skom Khoz. 2:23-24. Feb. 1966. 58.8 M11
- 44988 KNEESE, A. V. Economics of pollution control. N. C. State Univ. Agr. Policy Inst. Ser. 16:97-107. Aug. 1965. 281.9 N8122
- 44989 KOLPAKOV, V. V. Reclamation and melioration of Volga-Akhtuba flood-plain. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:103-116. 1964. 20 M857
- 44990 KOSENKO, G., and RADCHENKO, D. Reorganization of Kirgiz irrigation system needed. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 87:9-12. July 29, 1965. (JPRS 31,306; TT 65-31803; CSO 1840-D) 173 J663Tso
Translation from Sovetskaya Kirgiziya, June 10, 1965:2.
- 44991 KUNTZE, H. Die Marschen, schwere Boden in der landwirtschaftlichen Evolution. Nutzungs- und Verbesserungsmöglichkeiten schwieriger Standorte [Marshes, heavy soils in the agricultural evolution. Possibilities for the utilization and improvement of difficult sites]. Hamburg, Parey, 1965. 127 p. Ref. TC975.K8
- 44992 LALIBERTE, G. E., and RAPP, E. Influence of evaporation on water-table recession. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):275-276, 280. 1965. 290.9 Am32T
Drainage following irrigation.
- 44993 LEE, J. C. H. Contributions of water resource development to depressed areas development. N. C. State Univ. Agr. Policy Inst. Ser. 16:67-79. Aug. 1965. 281.9 N8122
- 44994 LESUEUR, J. F. The elements of spray irrigation. Power Farming Australia New Zeal. Better Farming Dig. 75(1):19, 21, 23, 83, 85, 87. Jan. 1966. 58.8 P87
- 44995 MAMAEV, M. G. Dates and norms for water supply under condition of Volga-Akhtuba flood-plain. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:117-126. 1964. 20 M857
Irrigation of field crops.

- 44996 MARYUSHIN, P. A. Regulating underground water level in Volga-Akh-tuba flood-plain for irrigation of corn by underground pipes. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:133-140. 1964. 20 M857
- 44997 MATCHANOV, N. Irrigation construction in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:5-10. Mar.10,1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Translation from Sel'skaya Zhizn', p.2. Jan.23,1966.
- 44998 MCADAMS, Y. E. Big business in Lubbock area. Cross Sect. 11(11):1. Apr.1965. 292.8 C88
Irrigation.
- 44999 MILLER, C. R., and BOWIE, A. J. Sediment sampling: instrumentation and techniques. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):267-270.274. 1965. 290.9 Am32T
- 45000 MILLER, H. W., and CAREY, J. B. Soil associations and Susquehanna River Basin hydrology. J. Soil Water Conserv. 21(1):18-20, map. Jan./Feb.1966. 56.8 J822
Chiefly runoff.
- 45001 MISHCHENKO, V. A report on the Karakum canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:1-3. Feb.8,1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Turkmenskaya Iskra, Dec.24,1965:3.
- 45002 MONREAL AMADOR, M. Experiences with carriers for irrigation pipes. (Sp) Agricultura [Madrid] 399:372-379. July 1965. 15 Ag84
- 45003 MOORE, A. W. Watering a continent (the NAWAPA [North American Water and Power Alliance] concept). Ariz. Watershed Symp. Annu. Proc. 9:29-32, map. Sept.22,1965. 292.9 Ar425
- 45004 MUELLER, R. C. Sprinklers turn water into dollars. West. Livestock J. [Denver] 44(15):12, 14,16,18,21. Feb.1966. 49 W525
- 45005 NAGASE, Y., and TAKEMURA, S. Studies on the relationship between the change of growing season and irrigation in upland crops. II. The relationships among planting time, plant population and irrigation in soybean culture. (Ja) Crop Sci. Soc. Japan. Proc. 34(2):127-132. Ref. Dec.1965. 22.5 C88
English summary.
- 45006 NIEUWOUDT, A. D. Besproeiing in die Olifantsriviervallei [Irrigation in the Olifants River Valley]. Repub. S. Afr. Dept. Agr. Tech. Serv. Tech. Commun. 47,55 p., map. 1965. 24 So863
English summary.
- 45007 NOSENKO, V., and BOROVENSKII, N. Overhead irrigation equipment. (Rus) Tekh. Sel'skom Khoz. 1:19-21. Jan.1966. 58.8 M11
- 45008 NOVOTNY, M. Utilization and perspectives for plastics in irrigation. (Cz) Za Vysokou Urodu 13(5):174-175. May 4,1965. 64.8 Z12
- 45009 OLSEN, G. Drainage. (No) Norsk Hagetid. 82(8):60-61. Mar.1966. 80 N81
- 45010 OTTERMANN, A., and KRZYSCH, G. The nitrogen, phosphorous, potassium, calcium and sulphate sulphur content of Dahlem precipitation. II. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(2):122-131. Ref. Nov.1965. 384 Z343A
English summary, p.VII.
Plant nutrients.
- 45011 PARDHY, M. K. Kashmir tames a turbulence; Wullar Project will save 87 villages. Yojana 9(17):4-5. Aug.29,1965. 280.8 Y7
Floods control in India.
- 45012 PARKS, W. L., and SAFLEY, L. M. The effect of irrigation and nitrogen upon the yield and quality of dark tobacco. Tenn. Agr. Exp. Sta. Bull. 394, 12 p. July 1965. 100 T258
- 45013 PAVLOV, L. Irrigation problems in Turkmenistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:2-7. Aug.18,1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', Aug.3, 1965:2.
- 45014 PEDRERO M., J. J. Maintenance of agricultural drainage systems. (Sp) Ingenieria Hidraul. Mex. Rev. 19(2):53-64, map. 1965. 290.8 In43
English summary, p.III of yellow supplement.
- 45015 PELABON, E., and SOUMAGNAT, M. DE. Irrigation observations. (Fr) Bull. Engrais 481:135-139; 482:161-166. June/July-Aug./Sept.1965. 57.8 B87
- 45016 PETER, M. Irrigation methods in fruit and vegetable culture. (Cz) Ovocnarstvi Zelinarstvi 13(7):181-182. 1965. 80 Ov64
- 45017 PETZOLD, E. Agricultural recultivation in the lignite region of Cologne. (Ge) Allg. Forstz. 20(51/52):840-843. Dec.18,1965. 99.8 AL52
Reclamation of strip-mined areas.
- 45018 PLASHCHEV, A. V., and UVAROV, L. A. Run-off of dark-grey forest light clayey soils. (Rus) Pochvovedenie 2:51-57. Feb.1966. 57.8 P34
English summary.
On Quercus plantations.
- 45019 RADANOVIC, R. Characteristics of the irrigation waters of Tafilat in Morocco. (Se) Savremena Poljoprivreda 13(1):88-92, map. Jan. 1965. 21 P75
French summary.
- 45020 REHBEIN, C. A. Underground water replenishment. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):86-88. Jan.1,1966. 65.9 Q3C
- 45021 RENNE, R. R. The Federal-State cooperative water research program. N. C. State Univ. Agr. Policy Inst. Ser. 16:143-148. Aug.1965. 281.9 N8122
- 45022 RIGGS, H. C., and MOORE, D. O. A method of estimating mean runoff from ungaged basins in mountainous regions. U. S. Geol. Surv. Prof. Pap. 525-D:D199-D202. 1965. 407 G29Pr
In Nevada.
- 45023 RIHA, J. Costs of the maintenance of tile drainage. (Cz) Za Vysokou Urodu 13(6):223-225. May 4,1965. 64.8 Z12
- 45024 ROSA, G. Water meters on collective irrigation projects. (It) Ital. Agr. 103(1):83-93. Jan.1966. 16 It1
- 45025 ROSE, C. W., and STERN, W. R. The drainage component of the water balance equation. Australian J. Soil Res 3(2):95-100. Ref. Dec.1965. 56.8 Au7
- 45026 ROVERI, E. Natural water resources and the problem of artificial lakes. (It) Genio Rurale 28(12):1080-1087. Dec.1965. 281.8 R522
- 45027 SARYKULOV, D. Water pollution problems in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:4-6. Feb.8,1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Kazakhstanskaya Pravda, Dec.16,1965:2.
- 45028 SCHIFF, L. Soil and stratigraphic considerations in a study of drainage by wells. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):558-559,561. 1965. 290.9 Am32T
- 45029 SCHINK, H. Planning and construction of irrigation systems in dry districts on the upper Rhine. (Ge) Mitt. Deut. Landwirt.-Ges. 81(10): 398,400. Mar.10,1966. 18 N39
- 45030 SCHMAUDER, G., and DIETZE, J. Sewage and clean water irrigation, a production comparison on permanent grassland. (Ge) Deut. Landwirt. 17(2):90-92. Feb.1966. 18 D4822
- 45031 SCOTT, D. F. Plastic tubing for field drains; plans to test possibilities of system in New Zealand are well advanced. New Zeal. J. Agr. 112(1):12-13. Jan.1966. 23 N48J
- 45032 SHIH, Y. F., and others. Hydrological study of arid regions in China's Northwest and views for future studies. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 278: 39-55. (JPRS 33,759; TT 66-30202) Jan.17, 1966. 173 J663Tcco
Includes water supply in relation to agriculture.
Translation from K'o-Hsueh T'ung-Pao 11: 961-968. Nov.1965.

- 45033 SHISHKOV, K. N., and SHISHOV, L. L. Qualitative value and drainage possibilities for virgin peat bogs in southern Taiga. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:145-150. 1964. 20 M857
- 45034 SINGH, J. Time-area relationship in border irrigation. J. Agr. Eng. Res. 10(4):312-313. Dec.1965. 58.8 J82
- 45035 SINGH, P. B., and NATHAN, K. Hydraulic studies of drainage ditches under tidal influence. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):460-463,469. Ref. 1965. 290.9 Am32T
- 45036 SLAMA, V. Culture of sugar beets under irrigation. (Cz) Za Vysokou Urodu 13(9):342-344. Aug.30,1965. 64.8 Z12
Effect on yields.
- 45037 SLAMA, V. Determination of irrigation systems for field crops. (Cz) Za Vysokou Urodu 13(6):219-221. May 4,1965. 64.8 Z12
According to water requirements of plants and soil moisture.
- 45038 SLAMA, V. Irrigation of early varieties of potatoes. (Cz) Za Vysokou Urodu 13(8):309-311. Aug.2,1965. 64.8 Z12
- 45039 SMITH, S. C. Government and water resources development. N. C. State Univ. Agr. Policy Inst. Ser. 16:135-142. Ref. Aug.1965. 281.9 N8122
- 45040 SNELL, A. W. University water resources institutes. N. C. State Univ. Agr. Policy Inst. Ser. 16:159-164. Aug.1965. 281.9 N8122
- 45041 STEHLIK, K. Evaluation of the necessity for irrigation in the Czechoslovak SSR. (Cz) Za Vysokou Urodu 13(2):42-43, map. Feb.1, 1965. 64.8 Z12
According to soil types.
- 45042 STURIALE, C. Use and costs of irrigation water in Ionic southern lemon culture of Messina. (It) Tec. Agr. 16(5/6):233-251. (Cont.) Ref. Sept./Dec.1964. 16 T22
- 45043 SULEK, J. J. Operational characteristics of propane irrigation engines. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):431-432,436. 1965. 290.9 Am32T
- 45044 SURIKO, B. Scraper trencher for digging drainage networks. (Rus) Tekh. Sel'skom Khoz. 2:35-36. Feb.1966. 58.8 M11
- 45045 TAYLOR, S. A. Managing irrigation water on the farm. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):433-436. 1965. 290.9 Am32T
- 45046 THIEL, T. J., and BORNSTEIN, J. Tile drainage of a sloping fragipan soil. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):555-557. Ref. 1965. 290.9 Am32T
- 45047 THOMPSON, S. A. Water resource planning needs local participation. N. C. State Univ. Agr. Policy Inst. Ser. 16:91-95. Aug.1965. 281.9 N8122
- 45048 THOMSON, P. A. The Taylor River detention dam. Soil Water 2(2):26-27, map. Dec.1965. 56.8 So323
Flood control.
- 45049 TURCOTT, G. L. The frail lands. Amer. Forests 72(2):16-19. Feb.1966. 99.8 F762
Reclamation program and the Bureau of Land Management participation.
- 45050 ULICNY, M., and NOVOTNY, M. Technique of the irrigation and suitability of some methods. (Cz) Za Vysokou Urodu 13(7):267-269. July 2, 1965. 64.8 Z12
- 45051 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. Fourth biennial report on water resources development. New York, 1966. 85 p. (Official Records: fortieth session, Supplement No. 3). 280.9 Un36530s
- 45052 U. S. DEPT. OF AGRICULTURE. First aid for flooded homes and farms. U. S. D. A. Agr. Handbook 38, slightly rev., 28 p. Jan.1966. 1 Ag84Ah
- 45053 VAN SCHILFGAARDE, J. Limitations of Dupuit-Forchheimer theory in drainage. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):515-516,519. Ref. 1965. 290.9 Am32T
- 45054 VARSANYI, J., and FODOR, J. Increased protein production with irrigation in Transdanubia. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):79-90. 1965. 105.9 Ir2
English summary.
Forage plants.
- 45055 VARTIA, K. O. Potential water resources for the lower Rio Grande Valley. Rio Grande Val. Hort. Soc. J. 19:109-114. 1965. 81 L95
- 45056 VLUGTER, H., WESTERHOF, J. J., and ROELOFSZ, F. Report to the Government of India on Gujarat; reclamation of the Little Rann of Kutch. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1990, 35 p., map. 1965. 281.9 F733E
Composed of saline soil.
- 45057 VUCIC, N., SCEPOVIC, R., and JOCIC, B. Moisture losses from evaporation from leaf surface in sprinkler irrigation. (Se) Savremena Poljoprivreda 13(4):311-316. Ref. Apr. 1965. 21 P75
English summary.
- 45058 WADDLE, B. J. Ground water depletion. Grain Prod. News 18(7):12. Apr.1966. 286.81 G764
- 45059 WOODWORTH, R. C., and ROGERS, L. The future agricultural use of water—southern humid region. N. C. State Univ. Agr. Policy Inst. Ser. 16:17-23. Aug.1965. 281.9 N8122
Irrigation.
- 45060 WRIGHT, C. S. Sugar cane technology: latest sprinkler methods and equipment. World Farming 7(6):32-35,39-40. June 1965. 30.08 W89
- 45061 ZAMBRANA, W., ULLOA, S., and LEVI, E. Cylindrical falls for irrigation canals. (Sp) Ingenieria Hidraul. Mex. Rev. 19(2):19-21. 1965. 290.8 In43
English summary, p.II of yellow supplement.
- 45062 ZUBOV, L. P. Outlook on changes of total runoff from agricultural fields. (Rus) Meteorol. Gidrol. 3:26-28. Mar.1965. 345 M56
- 45063 ZVOLANEK, L. Irrigated culture of corn under conditions of the Southern Moravia. (Cz) Za Vysokou Urodu 13(9):345-346. Aug.30,1965. 64.8 Z12

Erosion and Erosion Control

- 45064 BARNETT, A. P., and others. Soil erodibility factors for selected soils in Georgia and South Carolina. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):393-395. 1965. 290.9 Am32T
J. S. Rogers, J. H. Holladay, and A. E. Dooley, joint authors.
- 45065 CAMPBELL, D. A. Conservation landscaping aids increased production. Soil Water 2(2):13-15. Dec.1965. 56.8 So323
In the USA.
- 45066 DOTY, C. W., and CARTER, C. E. Rates and particle-size distributions of soil erosion from unit source areas. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):309-311. 1965. 290.9 Am32T
- 45067 DRAPER, W. J. Maintenance of soil conservation earthworks. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):81. Jan.1,1966. 65.9 Q3C
- 45068 ENDO, T., and TSURUTA, T. Development of erosion valleys and the present aspect of erosion in certain hilly mountains. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:202-217, map. 1965. 99.9 J2724A
English summary.
- 45069 ENDO, T., and TSURUTA, T. On the present aspects of erosion and sediment load at the southern part of the Kabato mountains, with special reference to landslides and characteristic vegetations. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:183-201, map. 1965. 99.9 J2724A
English summary.

- 45070 FREEMAN, O. L. The quality of our environment. *Soil Conserv.* 31(8):171-174. Mar.1966. 1.6 So3S
Soil conservation.
- 45071 HOOGVLIET, W. Five years of contour farming. *Queensland Agr. J.* 91(12):718-720. Dec. 1965. 23 Q33
- 45072 ISHIKAWA, M., and SUZUKI, T. Frost action and soil stability on slope. II. Downslope mass-movement of soils and heavy rains during the thawing period. (Ja) Hokkaido. *Forest Exp. Sta. Annu. Rep.* 1964:218-237, map. Ref. 1965. 99.9 J2724A
English summary.
- 45073 JACOBSON, P. Today's need in soil conservation. *J. Soil Water Conserv.* 21(1):2. Jan./Feb.1966. 56.8 J822
- 45074 KOCH, R. M. Conservation through a national partnership. *Limestone* 2(4):22-27, 29. June 1965. 294.8 L62
Of soil under the Agricultural Conservation Program.
- 45075 LAZAREV, S. On the terracing of slopes. (Se) *Nar. Sumar* 19(5/6):191-199. May/June 1965. 99.8 N16
- 45076 LYLE, W. M., and SMERDON, E. T. Relation of compaction and other soil properties to erosion resistance of soils. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):419-422. 1965. 290.9 Am32T
- 45077 MCKINZIE, W. E., and SCOTT, R. F. Leveling the mountain sides. *J. Soil Water Conserv.* 21(1):28. Jan./Feb.1966. 56.8 J822
Bench terracing on St. Thomas Island.
- 45078 MEYER, L. D., and MONKE, E. J. Mechanics of soil erosion by rainfall and overland flow. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):572-577, 580. Ref. 1965. 290.9 Am32T
- 45079 NAMBA, S., and KAWAGUCHI, T. Influences of some factors upon soil losses from large mountainous watersheds. (Ja) *Jap. Forest Exp. Sta. Bull.* 173:93-116, map. Ref. Feb. 1965. 99.8 R47
English summary.
- 45080 ORLOV, P. M., and others. Results from a 10-year study of soil erosion on fields of Timiryazev Agricultural Academy. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:155-158. 1964. 20 M857
O. V. Kaloshina, N. I. Sokolova, and Z. S. Golubeva, joint authors.
- 45081 ORLOV, P. M. Study of water soil erosion appearances in a longer period of times. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:151-154. 1964. 20 M857
- 45082 SIMMONS, P., and ARMSTRONG, W. J. A new method of soil stabilisation. *Z. Pflanzenernahr. Dungung, Bodenk.* 110(3):215-225. Sept. 1965. 384 Z343A
Control of erosion by treatment with a synthetic rubber and oil emulsion.
- 45083 SOROKINA, N. P. A statistical method for valuation of erodibility of typical thick Chernozems of Kursk Experimental Station. (Rus) *Pochvovedenie* 2:91-96. Feb.1966. 57.8 P34
English summary.
- 45084 STEPANOV, I. N. Erosion of soils in Turkmenia. (Rus) *Pochvovedenie* 2:83-90. Ref. Feb. 1966. 57.8 P34
English summary.
- 45085 SWANSON, N. P., and others. Evaluation of mulches for water-erosion control. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):438-440. 1965. 290.9 Am32T
A. R. Dedrick, H. E. Weakly, and H. R. Haise, joint authors.
- 45086 VICTORIA. SOIL CONSERVATION AUTHORITY. Sixteenth annual report for year ended 30th June, 1965. Melbourne, 1965. 53 p., map. 56.9 V662
- 45087 WALKER, P. H. Postglacial erosion and environmental changes in central Iowa. *J. Soil Water Conserv.* 21(1):21-23, map. Ref. Jan./Feb.1966. 56.8 J822
- 45088 WILKIE, D. R., and DIZIE, R. C. Moutere Soil Conservation Station, Nelson. *Soil Water* 2(2):4-8, map. Dec.1965. 56.8 So323
- 45089 ZELENY, V. Runoff during snow thawing in Beskydy Mountains of Moravia-Silesia. (Cz) *Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas.* 38(4):339-358. Ref. Apr.1965. 99.9 C334
English summary.

Sanitation

- 45090 DEVINE, E. S. Comparison of labour content of different methods of steam sterilizing glasshouse soils. *J. Agr. Eng. Res.* 10(4):277-282. Dec.1965. 58.8 J82
- 45091 OBUCHOWSKA, I. Biochemical oxygen demand as chemical index of sanitary status of soil. (Pol) *Warsaw. Panstw. Hig. Rocz.* 15(1):67-78. Ref. 1964. 449.9 W26
English summary.
Chiefly degree of contamination with sewage.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 45092 MCCracken, W. Fertilizer industry; the key word is service. *West Crops* 14(3):23-24, 26. Mar.1965. 281.8 F2225N
Research programs.
- 45093 SOOMAR, A. G. Urea; a new and important fertiliser. *Fert. News* 10(12):90-94. Dec. 1965. 57.8 F4123

Mineral Soil Amendments

- 45094 STRULJS, L. C. Wat zijn kalkmeststoffen [What are lime fertilizers?]. *Stichting Ned. Landbouw Kalk Bur. Voorlichtingsbl.* 4, 7 p. 1965. 57.9 St5
- 45095 TOLSTOI, M. P. Agronomical ores in USSR. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:329-335. Ref. 1964. 20 M857
Mineral fertilizers.

Fertilizer Technology and Statistics

- 45096 ARTYUSHIN, A. The Ministry of Agriculture USSR adopts proposals on the elimination of shortcomings in the planning and delivery of mineral fertilizers to agriculture. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 104:6. Nov.17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso
Translation from *Ekonomicheskaya Gazeta* 39:17. Sept.1965.
- 45097 BARANOV, P. A. Production and application of mineral fertilizers in France. (Rus) *Khim. Sel'skom Khoz.* 4(1):74-76. Jan.1966. 385 K524
- 45098 BIHELLER, O. Trends in the consumption of commercial fertilizers abroad and certain conclusions for the Czechoslovakia. (Cz) *Za Vysokou Urodu* 13(12,sup.):24-26. Dec.7, 1965. 64.8 Z12
- 45099 BUCHNER, A. Nitrogen. (Ge) *Chem. Tech. Landwirt.* 16(7):205-207. July 1965. 384 C4292
Manufacture of various nitrogenous fertilizers.
- 45100 CANADA. BUR. OF STATISTICS, INDUSTRY DIV. Fertilizer trade, July 1, 1964-June 30, 1965. Ottawa, 1965. 15 p. 57.9 C162
- 45101 COMMERCIAL fertilizer yearbook 1965. Atlanta, 1966. 232 p., map. 57.8 C73Y
- 45102 CONWAY, D. R. The economics of fine grinding. *Limestone* 2(5):26-29. Sept.1965. 294.8 L62
Fertilizer manufacturing equipment.

- 45103 DAMBRAUSKAS, K., and GURINOVICH, B. News in storage of ammonia liquor. (Rus) Zemledelie 1:54-56. Jan.1966. 20 Z44
- 45104 DAVISON, F. Marketing of fertilisers; problems and prospects. Fert. News 10(12):73-75. Dec.1965. 57.8 F4123
- 45105 DOUGLAS, J. R., and HARGETT, N. L. A preliminary review of fertilizer consumption, f.y. 1965. Com. Fert. Year Book 111(6-A):36A-36E, map. Dec.1965. 57.8 C73Y
- 45106 DOUGLAS, J. R., and HARGETT, N. L. TVA releases fertilizer usage figures. Agr. Ammonia News 16(2):24,26,28,30, map. Mar./Apr. 1966. 381 Ag82
- 45107 FERTILIZER; big changes in production and distribution. Fed. Reserve Bank Chicago. Bus. Cond., Feb.1966:10-16, map. 284.8 F31Ch
- 45108 GLASS, M. R. Fertilizer and feed. Va. Polytech. Inst. Ext. Va. Farm Econ. 195:19-20. Jan./Feb.1966. 275.29 V813
Outlook.
- 45109 GLESSNER, J. A guide to selling fertilizer. 3. Feed Farm Supplier 40(2):66-68. Feb.1966. 47.8 H28
- 45110 GLESSNER, J. A guide to selling fertilizer. 4. Feed Farm Supplier 40(3):52-55. Mar.1966. 47.8 H28
- 45111 KASTURIRANGAN, V. N. Considerations in framing fertiliser projects. Fert. News 10(12):103-111. Dec.1965. 57.8 F4123
India.
- 45112 KERIN, D. Interpretation of the results of chemical analysis of finely ground phosphates. (Se) Agrohemija 10:569-571. 1965. 385 Ag87
Fertilizers.
- 45113 KHUDYAKOVA, T. A., VOSTOKOV, V. M., and KRESHKOV, A. P. Chronoconductometric methods of ammonia nitrogen and phosphates determination in liquid solutions. (Rus) Khim. Sel'skom Khoz. 3(8):14-21. Ref. Aug.1965. 385 K524
Fertilizers.
- 45114 KOLAKOVIC, J. The manufacture and application of finely ground phosphates in Yugoslavia and in the world. (Se) Agrohemija 10:535-544. 1965. 385 Ag87
Fertilizers.
- 45115 KRAEMER, G. W. Future marketing methods. Agr. Chem. 21(2):26,28. Feb.1966. 381 Ag8
Fertilizers.
- 45116 KRESHKOV, A. P., and others. Determination of nitrates in mineral fertilizers by the amperometric and tracer titration methods in anhydrous solutions. (Rus) Khim. Sel'skom Khoz. 3(12):14-21. Ref. Dec.1965. 385 K524
V. A. Bork, M. I. Aparsheva, and L. A. Shvyrkova, joint authors.
- 45117 MARTINEC, J. The storage of commercial fertilizers on farms. (Cz) Za Vysokou Urodu 13(12,sup):4-5. Dec.7,1965. 64.8 Z12
- 45118 MEVEL, N., and LEBLANCHE, A. Forecast of the physical behavior of stored fertilizers. (Fr) Indus. Chim. 53(582):7-9. Jan.1966. 383 In2
- 45119 MUKHRJEE, S. K. The new ammonia technology. Fert. News 10(12):113-117. Ref. Dec. 1965. 57.8 F4123
- 45120 NAIDU, I. J. Production and distribution of fertilisers. Fert. News 10(12):65-68. Dec. 1965. 57.8 F4123
- 45121 POTHEN, P. Productivity in fertiliser industry. Fert. News 10(12):76-79. Dec.1965. 57.8 F4123
- 45122 RICHARD, H. Development of regional fertilizing in France between 1950 and 1965; summary prospects. (Fr) Chim. Indus. [Paris] 94(5):435-440. Nov.1965. 383 C42
Industry.
- 45123 SHANGHVI, C. Granulation of fertilisers. Fert. News 10(12):86-89. Dec.1965. 57.8 F4123
- 45124 SHCHERBAKOV, A. M., KRUGLYAKOV, M. L., and BURMISTROVA, M. F. Physical and mechanical properties of mineral fertilizers. (Rus) Khim. Sel'skom Khoz. 3(9):17-25. Sept. 1965. 385 K524
- 45125 SIMA, J. Problems and prospects for the distribution of commercial fertilizers. (Cz) Za Vysokou Urodu 13(12,sup.):3-4. Dec.7,1965. 64.8 Z12
- 45126 SMITH, M. G. Fertiliser sales management to achieve Fourth Five-Year Plan targets. Fert. News 10(12):69-72. Dec.1965. 57.8 F4123
- 45127 TURK, R. Economic aspects of the manufacture and consumption of finely ground phosphates. (Se) Agrohemija 10:545-561. 1965. 385 Ag87
Fertilizers.
- 45128 WEHUNT, R. L. How to sell fertilizer at a profit. (Condensed) Feed Farm Supplier 40(2):84-86. Feb.1966. 47.8 H28
- 45129 YAKOVCHUK, N. "Sel'khoztekhnika" fertilizer dilemma. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:16-21. Mar.10,1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Storage of fertilizers.
Translation from Ekonomicheskaya Gazeta 3:37-38. Jan.1966.

Manures and Composts

- 45130 FRANCHINI, F. Production, characteristics and use of poultry manure. (It) Avicoltura 34 (9):101-104. Sept.1965. 47.8 R523
- 45131 SCHMID, G. Basic problems in liquid manure preparation. (Ge) Mitt. Deut. Landwirt.-Ges. 81(2):38,40. Jan.13,1966. 18 N39
- 45132 WUITSIK-VOITKOVIYAK, D. Decomposition of straw and synthesis of humic acids as affected by different nitrogen forms. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:249-256. 1964. 20 M857
Compost chemistry.

FORESTRY

GENERAL

- 45133** BJORKMAN, E. Department of Forest Botany, College of Forestry [Institutionen for Skogsbotanik, Skogshogskolan], Stockholm. Stockholm. Skogshogsk. Inst. Skogsbot. Publ. 143, 5 p. 1965. 99.9 St65
- 45134** BRASSEUR, G., and SCIEUR, M. Forest economy of the Province of Luxembourg. (Fr) Ann. Gembloux 71(1):29-54. First Q. 1965. 13 G28
- 45135** CHRISTENSEN, E. M., and HUNT, M. J. A bibliography of Engelmann spruce. U. S. Forest Serv. Res. Paper INT-19, 37 p. 1965. A99.9 F764U
- 45136** COMMONWEALTH forest services and forest research and educational institutions. Commonwealth Forest. Rev. 44(4):300-341. Dec. 1965. 99.8 Em72
- 45137** THE COMMONWEALTH Forestry Association. Commonwealth Forest. Rev. 44(4):256-299. Dec. 1965. 99.8 Em72
By-laws and membership directory.
- 45138** CREATION of a forest research station; report to the government of Tunisia. 18 p. Transl. 15765
Translation from Food and Agriculture Organization of the United Nations. Programme Elargi d'Assistance Technique. FAO Rapport No. 803.
- 45139** DAWSON, J. A. Woods operations & the Canadian labour force. Pulp Pap. Mag. Can. 67(C): WR93-WR94, WR96. 1966. 302.8 P96
- 45140** DEPARTMENTS and institutions connected with Commonwealth forestry. Commonwealth Forest. Rev. 44(4):342-352. Dec. 1965. 99.8 Em72
- 45141** EYRE, F. H. Forest Science—its birth and growth. J. Forest. 64(2):102-103. Feb. 1966. 99.8 F768
- 45142** FISCHER, A. On which sector of forestry to start with linear programming? (Cz) Les [Bratislava] 21(5):139-141. May 1965. 99.8 L5632
- 45143** FOREST data in minutes not years with computer. Can. Forest Indus. 86(3):83-85. Mar. 1966. 99.8 C16
- 45144** FORESTRY and allied societies of the Commonwealth and outside the Commonwealth. Commonwealth Forest. Rev. 44(4):353-359. Dec. 1965. 99.8 Em72
- 45145** FRUHWIRTH, J. Forestry of Austria. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(6): 610-619, map. June 1965. 99.9 C334
- 45146** GEORGIA FOREST RESEARCH COUNCIL. Annual report, 1965. Macon, 1965. 26 p. 99.9 G299
- 45147** GILL, T. World forestry congresses. J. Forest. 64(3):163-167. Mar. 1966. 99.8 F768
History.
- 45148** HART, A. C. Research programs of Northeastern Forest Experiment Station. Amer. Pulpwood Ass. Tech. Pap., Jan. 1966:23-25. 99.9 Am33Te
- 45149** HAUBERG, P. Danish forestry periodicals. (Da) Dansk Skovfor. Tidsskr. 51(1):1-26. Jan. 1966. 99.8 D23
- 45150** HERZOG, W. History of forestry in the bay of Cologne. (Ge) Allg. Forstz. 20(51/52):830-832. Dec. 18, 1965. 99.8 AL52
- 45151** HOFSTEN, E. VON. Public goodwill is essential for forestry progress. Unasylva 19(4):168-172. 1965. 99.8 Uni
Sweden.
- 45152** HSIAO, C. L. Notes on forestry conditions in Japan. (Ch) Tai-wan Ts'ai Kung Yeh 34:19. Feb. 1965. 99.8 T133
- 45153** HUNT, J. C. The forest that men made. I. Amer. Forests 71(11):18-21, 46-48, map. Nov. 1965. 99.8 F762
History of the Nebraska National Forest.
- 45154** INSTITUTE OF FORESTERS OF AUSTRALIA. Annual report, 1965. Australian Forest. 29(4): 301-310. Dec. 1965. 99.8 Au74
- 45155** JAEGER, E. New wages in state, regional and private forestry. (Ge) Deut. Forstmann 5, i.e. 6(11/12):13-14. Nov./Dec. 1965. 99.8 D486
- 45156** KAPELNER, H. References on forestry and forest products—1964. Rehovot. Nat. Univ. Inst. Agr. Forest. Div. Leaflet. 26, 5 p. May 1965. 99.9 IL1
- 45157** KENNEL, H. Use of contract labor and functional employee. (Ge) Allg. Forstz. 21(7):124. Feb. 12, 1966. 99.8 AL52
In reference to articles by E. Thielmann and H. Grabenstedt.
- 45158** KUDO, S. The situation of the development of forest resources project in Kalimantan. (Ja) Wood Indus. 20(6):8-12, map. 1965. 99.82 M72
- 45159** LOBANOV, YA. Forests and forestry of Kuibyshev Region. (Rus) Kuibyshevskoe Oblastnoe Nauchno-Tekhnicheskoe Obshchestvo Lesnoi Promyshlennosti i Lesnogo Khozyaistva. Sbornik Materialov Nauchno-Tekhnicheskoi Informatsii 2:3-25. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:11-12. Aug. 1965. Film S-203
- 45160** MATHIESEN, H. S. Norwegians' Scottish excursion: a visitor's impressions. Scot. Forest. 20(1):17-23. Jan. 1966. 99.8 Sco3
- 45161** MCDERMID, R. W. A part of the main. Forests People 16(3):13, 45. First Q. 1966. 99.8 F7628
Forestry in Louisiana.
- 45162** MEYER, M. P. A parallax wedge for student air photo interpreters. Minn. Forest. Notes 166, 2 p. Oct. 15, 1965. 99.8 M662
- 45163** NOVOTNY, V. Scientific organization of work management. 12. Prospects and possibilities of its application. (Cz) Lesnicka Prace 44(12):497-499. Dec. 1965. 99.8 L56
- 45164** OBUCHI, M. Some problems in the theory of forestry rent. (Ja) Forest Econ. 18(3):1-5. Mar. 1965. 99.8 R474
- 45165** OFUCHI, S. Economic theory on combination with time-lag of production capital in forestry. I. (Ja) Forest Econ. 18(12):37-44, ii. Dec. 1965. 99.8 F474
- 45166** OREGON. STATE UNIVERSITY. SCHOOL OF FORESTRY. FOREST RESEARCH LABORATORY. List of publications. Corvallis, 1966. 27 p. 241.01 Or3
- 45167** OSARA, N. A. World congresses and F.A.O. forestry. J. Forest. 64(3):168-169. Mar. 1966. 99.8 F768
- 45168** PETROV, O. V. 30th anniversary of Forest-Steppe Scientific Research Station "Les na Vorskile" [Lesostepnaya Nauchno-Issledovatel'skaya Stantsiya Les na Vorskile]. (Rus) Leningrad. Universitet. Vestnik 3:156-159. 1965. 511 L549
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:2. Sept. 1965. Film S-203
- 45169** POMEROY, K. B. Guide to legislative activity for units of the Society of American Foresters. J. Forest 64(2):145-146. Feb. 1966. 99.8 F768
- 45170** PRINCIPAL forest research organisations of the world. Commonwealth Forest. Rev. 44(4): 360-364. Dec. 1965. 99.8 Em72
- 45171** ROSE, W. A., and WEBB, J. W. Planes make a difference. Forests People 16(3):14, 16, 42-43. First Q. 1966. 99.8 F7628
Various uses in forestry.
- 45172** RUZICKA, V. Forestry of Sweden. (Cz) Lesnicka Prace 44(7):305-308. July 1965. 99.8 L56
- 45173** SAGREIYA, K. P. Forest Research Institute, Dehra Dun. Bharat Krishak Samaj. Year Book 1964:570-573. 22 B46

- 45174 SANO, S., and YAMAMOTO, T. Relative metabolic rate in cruising the forest stand. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:149-158. Nov.1965. 99.9 K993
English summary.
Energy requirements of forest labor.
- 45175 SAVICH, V. M., and others. Scientific work done at the Department of Forestry and Forest Soil Improvement of the Tashkent Agricultural Institute [Tashkent Sel'skokhozyaistvennyi Institut, Kafedra Lesovodstva i Agrolesomeliioratsii]. (Rus) Tashkent Sel'skokhozyaistvennyi Institut. Trudy 17:242-264. 1964. (Not in NAL)
M. B. Doshchanov, A. V. Gvozdkov, and I. O. Podol'skaya, joint authors.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965.
Film S-203
- 45176 SEIBT, G. 120 years of forestry research in northwest Germany. (Ge) Allg. Forst- Jagdzeitung 137(2):33-40. Ref. Feb.1966. 99.8 AL3
English summary.
- 45177 SIMS, W. G., and BENSON, M. L. Notes on the electronic printing of aerial photographs and the introduction of colour. Australian Forest Res. 1(4):30-34. 1965. 99.8 Au76
- 45178 STOLYAROV, D. P., and BAITINA, M. L. Forestry and forests of Japan. (Rus) Les. Khoz. 9:80-85. Sept.1965. 99.8 L5622
- 45179 SUCEVIC, M. Some problems of the development of forestry of Yugoslavia. (Se) Nar. Sumar 19(5/6):158-161. May/June 1965. 99.8 N16
German summary.
- 45180 SUGAHARA, S. Studies on forest owner's associations in Nagano Prefecture; the actual state of Daimon Forest Owner's Association. (Ja) Shinshu Univ. Fac. Agr. J. 3(4):355-379. Ref. Dec.1965. 107.6 M41
English summary.
- 45181 SUNDBERG, U. Forestry research & higher education in Sweden. Pulp Pap. Mag. Can. 67(2):WR51-WR52,WR54-WR56,map. Feb.1966. 302.8 P96
- 45182 SYMPOSIUM on the key problems in Japanese forestry. (Ja) Forest Econ. 18(5):28-48,ii. May 1965. 99.8 R474
Participants: R. Kasahara, M. Kumazaki, S. Terasaki, H. Fujisawa, K. Matsumoto, K. Murao, Y. Murashima, and H. Suzuki.
- 45183 TAKAGI, T. Trend of research activities in forestry problems. (Ja) Forest Econ. 18(6):43-46,ii. June 1965. 99.8 R474
- 45184 TIMOFEEV, V. P. Urgent problems of development of forestry in the Moscow Region. (Rus) In Za povyshenie produktivnosti lesov 1964:37-45. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:11. Aug.1965.
Film S-203
- 45185 TSUTSUI, M. The character of labor in direct forestry management under clans in feudal Japan. (Ja) Forest Econ. 18(12):1-17. Dec. 1965. 99.8 R474
- 45186 WHITE, K. J. Forestry activity (in the Territory of Papua and New Guinea). S. Pacific Bull. 15(2):31-34. Apr.1965. 280.8 So89
- 45187 WORTHINGTON, N. P. What the future holds for young-growth timber in western Washington. Amer. Pulpwood Ass. Tech. Pap., Jan. 1966:11. 99.9 Am33Te
- 45188 ZASMETA, V., and KNOP, J. Twenty years of forestry of the liberated Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(4):327-337. Apr.1965. 99.9 C334
- Education
- 45189 ANGQUIST, B. Student material in basic forestry education. (Sw) Svenska Skogsvardsforen. Tidskr. 63(1):63-142,map. Ref. 1965. 99.8 Sk5
- 45190 DOMESOVA, M. Qualifications and their problems. (Cz) Lesnicka Prace 44(7):294-295. July 1965. 99.8 L56
Forestry education.
- 45191 HAVEL, J. J. Teaching tropical forest botany. Unasylva 19(4):179-182. 1965. 99.8 Un1
- 45192 KATAYAMA, S. On the forestry education curriculum in German and Swiss universities and colleges. (Ja) Forest Econ. 18(12):18-34. Dec.1965. 99.8 R474
- 45193 MARCKWORTH, G. D. Statistics from schools of forestry for 1965; degrees granted and enrollments. J. Forest. 64(3):178-184. Mar. 1966. 99.8 F768
- 45194 PIVKO, I. Once more on the improvement of qualifications. (Cz) Lesnicka Prace 44(7):295-297. July 1965. 99.8 L56
Forestry education.
- 45195 TERTIARY forestry education in Australia. Victoria. Forest Comm. Forest. Tech. Pap. 16:1-9. Nov.1965. 99.9 V66F
- 45196 THOMSON, G. W. Range management teaching for foresters. J. Forest. 64(3):174-177. Mar. 1966. 99.8 F768
- Policies, Programs, Administration
- 45197 AKABA, T. Comment on Yasunga's approach. (Ja) Forest Econ. 18(7):15-18. July 1965. 99.8 R474
Forest administration.
- 45198 BAVARIA. STAATSMINISTERIUM FUR ERNAHRUNG, LANDWIRTSCHAFT UND FORSTEN. STAATSFORSTVERWALTUNG. Jahresbericht, [Annual report of the Bavarian State Forestry Administration], 1963. Munich, 1965. 114 p. 99.9 B342F
- 45199 CEYLON. CONSERVATOR OF FORESTS. Administration report for 1963-64. II. Revenue (G). Colombo, 1965. 37 p. 99.9 C33
Text also in Sinhalese.
- 45200 FUNAKOSHI, S., KUMAZAKI, M., and YASUNAGA, T. On the regional structure of forestry. (Ja) Forest Econ. 18(7):1-11. July 1965. 99.8 R474
- 45201 GREAT BRITAIN. FORESTRY COMMISSION. Forty-fifth annual report for the year ended 30th September, 1964. London, 1965. 67 p., map. 99.9 G795A
- 45202 HANDA, R. Cooperative work and forestry production especially in reference to the Forester's Association. (Ja) Forest Econ. 18(6):18-22,35. June 1965. 99.8 R474
- 45203 KANEIWA, Y. The role of forestry cooperatives in forestry policy. (Ja) Forest Econ. 18(6):6-11. June 1965. 99.8 R474
- 45204 KITAGAWA, I. Comment on Funakoshi's approach. (Ja) Forest Econ. 18(7):12-14. July 1965. 99.8 R474
Forest administration.
- 45205 KRENDELBERGER, H. Wishes in forest policy for the year 1965. (Ge) Forderungsdienst 13(4):109-114. Apr.1965. 19 F75
Austria.
- 45206 MEDELANA, D. R. DI. Some perplexities on the Pizzigallo lumber plan. (It) Rass. Agr. Ital. 21(1):23-24. Jan.1966. 281.8 R18
Forest policy.
- 45207 MEIDEN, H. A. VAN DER. Forest administration in Parliament. (Du) Econ.-Statist. Ber. 51(2527):123-125. Feb.2,1966. 280.8 Ec722
- 45208 NAKAYAMA, T. The destination of our forestry policy. (Ja) Forest Econ. 18(6):23-35. June 1965. 99.8 R474
- 45209 NEVADA. DEPT. OF CONSERVATION AND NATURAL RESOURCES. Biennial report, October 1, 1962 to October 1, 1964. Carson City, 1964. 104 p. 279.9 N412
Includes the Division of Forestry.
- 45210 ORLOV, G. M. Efficient utilization and conservation of forest resources of USSR. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:5-9. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:1. July 1965. Film S-203

- 45211 OSAKI, R. Forestry policy as it ought to be. (Ja) Forest Econ. 18(6):1-5. June 1965. 99.8 R474
- 45212 OTA, K. Comment on Kumazaki's approach. (Ja) Forest Econ. 18(7):14. July 1965. 99.8 R474
Forest administration.
- 45213 PIRVULESCU, S. Successful accomplishment of the 1964-plan tasks in the forestry economy. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:30-35. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste
Translation from Revista Padurilor 2:57-58. Feb. 1965.
- 45214 PIZZIGALLO, V. Present trends in Italian forest policy. (It) Accad. Naz. Agr. Ann. 76: 55-66. 1965. 16 B632A
- 45215 SASKATCHEWAN, DEPT. OF NATURAL RESOURCES. Annual report 1965. Regina, 1965. 64 p. 279.9 Sa7
Includes forestry.
- 45216 TANZANIA, MINISTRY OF AGRICULTURE, FOREST AND WILDLIFE, FOREST DIV. Annual report, 1964. Dar es Salaam, 1965. 43 p. 99.9 T15
- 45217 U. S. FOREST SERV. Report of the Chief, 1965. Washington, 1966. 50 p. 1 Ag84
- Legislation and Taxation
- 45218 PUBLIC hearings on Quebec forestry legislation. Pulp Pap. Mag. Can. 67(1):WR11,WR33. Jan. 1966. 302.8 P96
- 45219 SLINN, R. J. Taxation on forests and forest incomes. Australian Forest Res. 1(4):36-40. 1965. 99.8 Au76
- 45220 SUCEVIC, M. Changes and supplements to the forestry law. (Se) Nar. Sumar 19(5/6):153-157. May/June 1965. 99.8 N16
German summary.
- 45221 WILLIAMS, E. T. Federal income tax tips for the timber owner. Amer. Christmas Tree J. 10(1):3-9. Feb. 1966. 99.9 C46
- Forest Description and Resources
- 45222 BADEA, M. Fagus stands in the mountains of Banat. (Rum) Rev. Padurilor 80(7):392-393. July 1965. 99.8 R327
- 45223 BEALS, E. W. The remnant cedar forests of Lebanon. J. Ecol. 53(3):679-694, map. Ref. Nov. 1965. 450 J829
Cedrus libani and other spp.
- 45224 CHERNYKH, A. G. Some data on stock taking of preserved pine trees in foci of root rot disease. (Rus) Lesovodstvo i Agrolesomeliatsiya 2:118-121. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:15. Sept. 1965. Film S-203
- 45225 CHOATE, G. A. Forests in Utah. U. S. Forest Serv. Resource Bull. INT-4, 61 p., map. Ref. 1965. A99.9 F764Ub
Survey, including statistics.
- 45226 DZAGUROV, D. A. Forests of northern Osetia. (Rus) Severo-Osetinskii Nauchno-Issledovatel'skii Institut. Izvestiya 23(2):223-234. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:1. Oct. 1965. Film S-203
- 45227 EILART, J. Zarasai, a land of lakes and pine forests. (Es) Eesti Loodus 4:221-225, map. Ref. July/Aug. 1965. 409.6 Ee7
English summary, p. 3 preceeding p. 193. In Lithuania.
- 45228 GANSNER, D. A., and CHASE, C. D. Kentucky forests, Southern Cumberland Unit. U. S. Forest Serv. Cent. States Forest Exp. Sta. Resource Bull. CS-3, 37 p., map. Nov. 1965. A99.9 F7629Uf
Survey, including statistics.
- 45229 HAGINO, T. The fundamental theory of timber resources. (Ja) Forest Econ. 18(5):8-21, 27. Ref. May 1965. 99.8 R474
- 45230 HONCHARENKO, H. A. Natural oak stands of the Holosiivsk Forest. (Uk) In Okhoronyaitse ridnu pryrodu 1964:87-96. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45231 HUSE, S. Strukturformer hos urskogbestand i Ovre Pasvik [Structural form of virgin forest in Ovre Pasvik]. Norges Landbruksforsk. Meld. 44(31), 80 p., map. Ref. 1965. 104 N762M
German summary.
- 45232 JONES, A. S., and PATTON, E. G. Forest, "prairie," and soils in the Black Belt of Sumter County, Alabama, in 1832. Ecology 47(1):75-80, map. Ref. Winter 1966. 410 Ec7
- 45233 KAAR, E. Alvar forests on the Island Saaremaa. (Rus) In Izuchenie rastitel'nogo pokrova ostrova Saaremaa 1964:213-222. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:5. Aug. 1965. Film S-203
- 45234 KAAR, E. Oak-type stands of Estonia. (Es) Akad. Nauk Est. SSR, Obshch. Estestvoispyt. Aastaraamat 56:57-78, map. Ref. 1964. 511 Ak191
German summary.
- 45235 KALDA, A. Broadleaved forests on the Saaremaa Island. (Rus) In Izuchenie rastitel'nogo pokrova ostrova Saaremaa 1964:202-212. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:5. Aug. 1965. Film S-203
- 45236 KEREMOV, N. K. Broad-leaved forests with long-branched oak [Quercus longipes] as dominant species in Alazan-Avtoran Valley and Khudat-Khachmas lowland. (Rus) Baku. Gosudarstvennyi Azerbaidzhanskii Universitet. Seriya Geologo-Geograficheskikh Nauk, Uchenye Zapiski 4:91-95. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:1. Aug. 1965. Film S-203
- 45237 KURENTSOVA, G. E. Japanese yew and Schmidts birch in southwestern part of Maritime Territory. (Rus) Okhrana prirody na Dal'nom Vostoke 2:53-61. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:9. Aug. 1965. Film S-203
- 45238 LOKVENC, T. Determination and mapping of the alpine boundary of forests. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(6):581-594. Ref. June 1965. 99.9 C334
English summary.
By aerial photography.
- 45239 NETHERLANDS, CENTRAAL BUR. VOOR DE STATISTIEK. De Nederlandse bosstatistiek [Netherlands forestry statistics]. 7-8. Zeist, 1965. 2 v., map. 259 St2Ne
Staatsbosbeheer, cooperating.
Data for 1963.
- 45240 NEVZOROV, N. V. For more effective forest statistics. (Rus) Les. Prom. 2:29-30. Feb. 1965. 99.82 L56
- 45241 PAIVEL, A. Interesting dendrological species growing in Saaremaa and Muhu Islands. (Rus) In Izuchenie rastitel'nogo pokrova ostrova Saaremaa 1964:279-284. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:6. Sept. 1965. Film S-203
- 45242 RODGER, E. E. Forest resource trends in Virginia. Forest Farmer 25(5):12, 22. Feb. 1966. 99.8 F7692
Surveys.
- 45243 RUBTSOV, V. I., and FILINOV, N. P. Inventory of forest land in USSR. (Rus) Les. Khoz. 9: 2-4. Sept. 1965. 99.8 L5622
- 45244 SOKOLOV, P. N. Dynamics of forest resources of Moscow Region for 1949-1961. (Rus) Lesoekspluatatsiya i Lesnoe Khozyaistvo. Tekhnicheskaya Informatsiya 2:14-15. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45245 SUDO, A. Forests and timber in Cambodia. (Ja) Wood Indus. 20(9):2-8, map. 1965. 99.82 M72

- 45246 TABACHKOVA, E. D. Present state of linden forests of Kuznetsk Ala-Tau. (Rus) Nauchnaya Konferentsiya Novokuznetskogo Gosudarstvennogo Pedagogicheskogo Instituta po Biologicheskim Naukam. Doklady 7:37-40. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:2. Sept.1965. Film S-203
- 45247 TAPPO, E. Forests of the Green Belt. (Es) Eesti Loodus 3:134-139. May/June 1965. 409.6 Ee7
English summary, p.3 preceeding p.129
- 45248 TIMOFEEV, V. P. Survey of forest plantation for hundred year period. (Rus) In Itogi eksperimental'nykh rabot v Lesnoi opytnoi dache TSKHA za 1862-1962 g. 1964:37-78. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:17-18. July 1965. Film S-203
- 45249 TOMCHUK, R. I. Full utilization of forest resources in the Far East. (Rus) Okhrana prirody na Dal'nom Vostoke 2:73-74. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45250 WORRELL, A. C. Regional economic studies of timber supply. J. Forest 64(2):91-98. Feb. 1966. 99.8 F768
- ### FOREST MANAGEMENT AND FINANCE
- 45251 ANDREI, A. Achievements under the Six-Year Plan and tasks for the new Five-Year Plan in the field of mechanization of forestry work. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 413:7-14. Jan.27,1966. (JPRS 33,948; TT 66-30371; CSO 2700-N) 173 J663Ste
Translation from Revista Padurilor 10:507-509. Oct.1965.
- 45252 BADEA, M. Management of forests with resonant timber. (Rum) Rev. Padurilor 80(7):358-361, map. July 1965. 99.8 R327
German summary.
Chiefly Picea and Abies.
- 45253 BAKHSOLIANI, T. G. Valuation survey and management based on forest typology. (Rus) Tiflis. Institut Lesa. Trudy 13:120-134. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:18. Oct.1965. Film S-203
- 45254 BLUDOVSKY, Z. Indices of achievements of forestry under the new system of management. (Cz) Les [Bratislava] 21(6):176-178. June 1965. 99.8 L5632
- 45255 CENTRAL FOREST COUNCIL, (JAPAN). The role of national forest management. (Ja) Forest Econ. 18(9):35-42. Ref. Sept.1965. 99.8 R474
- 45256 CHERNEGA, A. N. From experience in mechanization of work in Ukrainian forests. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:132-139. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:12. Sept.1965. Film S-203
- 45257 COLE, B. L. Management of state-owned lands in Pacific Northwest. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:43-44. 99.9 Am33Te
Forest lands.
- 45258 CRAWFORD, D. B. A woodland owners' association; experience in Scotland with private forestry. Unasylva 19(4):173-178. 1965. 99.8 Un1
- 45259 CZESZNAK, E. Intensive forest management. (Hu) Erdo 15(2):64-67. Feb.1966. 99.8 Er22
German summary.
- 45260 DOWDELL, D. Tree farms; harvest for the future. Indianapolis, Bobbs-Merrill, 1965. 164 p. SD391.D6
- 45261 FELSBERG, E. Order of plan numbers. (Ge) Forst- Holzwirt 21(2):43-44. Jan.23,1966. 99.8 F7724
Management.
- 45262 FUKAO, S. On forest management at Yamam-guni in Kyoto Prefecture. (Ja) Forest Econ. 18(8):16-31. Ref. Aug.1965. 99.8 R474
- 45263 FUNAKOSHI, S. Some problems of small scale forestry in Japan. (Ja) Forest Econ. 18(6):12-17. Ref. June 1965. 99.8 R474
- 45264 GORYACHEV, I. M. Polymers and forestry machine building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 164:1-3. Jan.21,1965. (JPRS 28,386; TT 65-30168; CSO 1830-D/PE) 173 J663Tsi
Translation from Lesnaya Promyshlennost' 6:inside back cover. June 1964.
- 45265 GULDAHL, C. E. The trend of income in forestry and forest industry 1930-1964 illustrated by national account figures. (No) Norsk Skog-indus. 19(12):507-515. Dec.1965. 99.82 N81
- 45266 HIRATA, T. A proposal for the estimation of forest capital through productivity assets. (Ja) Forest Econ. 18(3):7-12,26. Mar.1965. 99.8 R474
- 45267 HUBER, E. Rotation period and rationalization. (Ge) Allg. Forstz. 21(7):119-122. (Cont.) Feb.12,1966. 99.8 AL52
- 45268 KATAYAMA, S. On sustained yield planning in forestry. (Ja) Forest Econ. 18(9):1-19. Ref. Sept.1965. 99.8 R474
- 45269 KOMATSU, T. The concept of the movable interest rate and profit rate in forestry. (Ja) Forest Econ. 18(3):27-31. Mar.1965. 99.8 R474
- 45270 KOTOV, A. I. Experience in evaluation of managerial activity of forest plantation in relation to increasing forest productivity. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:82-92. (Not in NAL)
Includes site classification.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:17. Sept.1965. Film S-203
- 45271 KRECHETOV, N. I. Forest income in Khabarovsk Territory. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:381-383. 1964. 99.9 D162
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:12. Aug.1965. Film S-203
- 45272 KURIMURA, T. Notes on the business side of forest management. (Ja) Forest Econ. 18(8):32-46,ii. Aug.1965. 99.8 R474
- 45273 LAAR, A. VAN, and TINGLE, A. C. Economic aspects of poplar growing for matchwood production. S. Afr. Forest. J. 53:14-24. June 1965. 99.9 So82
- 45274 MALMBORG, G. VON. Berakning av de allmanna omkostnaderna vid skogsvardering [Calculation of overhead costs in forest valuation]. Stockholm. Jordbrukets Utredningsinst. Medd. 4,92 p. Ref. 1965. 11 S63M
English summary.
- 45275 MATTHIES, F. The importance of forestry accounting methods. (Ge) Forst- Holzwirt 21(2):33-39. Ref. Jan.23,1966. 99.8 F7724
- 45276 NASLUND, B. Research methods in business economics with view on their application to forestry. (Sw) Svenska Skogsvarldsforen. Tidskr. 63(1):55-61. 1965. 99.8 Sk5
- 45277 NIEJAHR, W. Forest land value of spruce in relation to size of operation. (Ge) Allg. Forstz. 21(5):83. Jan.29,1966. 99.8 AL52
- 45278 NOYES, J. H., and BABEU, R. G. Woodlands owners' attitudes in western Massachusetts. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:26-28. 99.9 Am33Te
Participation in forest management.
- 45279 NUMATA, Y. A study on the valuation of stumpage assets in forestry accounting. (Ja) Forest Econ. 18(9):20-34. Ref. Sept.1965. 99.8 R474
- 45280 ODAJIMA, T. Problems in transferring forestland appearing in some proposals for the agricultural policy. (Ja) Forest Econ. 18(5):1-7. May 1965. 99.8 R474

- 45281 PAPANÉK, F. Importance of the study of economic aspects of forestry for forest management. (Cz) *Lesnicka Prace* 44(7):289-292. July 1965. 99.8 L56
- 45282 PEREPECHIN, B. M. Immediate tasks of forest utilization. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:60-63. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:22. July 1965. Film S-203
- 45283 PLATEN, J. VON. Managing indices in forest management and their bases. (Ge) *Allg. Forstz.* 21(10):178,180-182. Mar.5,1966. 99.8 AL52
- 45284 PLATEN, J. VON. New determination of the unit values on l.l. 1964 for forestry utilization. (Ge) *Allg. Forstz.* 21(4):66-69. (Concl.) Jan.22,1966. 99.9 AL52
- 45285 POND, J. D. Easement appraisals. Consultant 10(2):9-11. Apr.1965. 99.8 C764
In forestry.
- 45286 PRAVDIN, A. M. Forest economic regions of Gorno-Altai AO. (Rus) In *Les Gornogo Altaia* 1965:145-161. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:12. Oct.1965. Film S-203
- 45287 A RESEARCH forest for Laval University. *Pulp Pap. Mag. Can.* 67(2):WR81-WR82. Feb. 1966. 302.8 P96
- 45288 RUSSELL, E. J. Management of ice damaged timber. *Forest Farmer* 25(5):6-7. Feb.1966. 99.8 F7692
- 45289 SAMOILOVICH, G. G., and others. *Primenenie aerofotos'emki v lesoinzhenernom dele* [Use of aerial photography in forest engineering]. Moskva, *Lesnaya Promyshlennost'*, 1965. 355 p. Ref. SD387.A25S2
N. I. Belyaev, D. M. Kudritskii, A. V. Glagolev, and P. M. Nefedov, joint authors.
- 45290 SHASTIN, V. I. Forest management and planning. (Rus) *Les. Khoz.* 9:66-68. Sept.1965. 99.8 L5622
- 45291 SINTAJ, J. Experience from working in a model forest management. (Cz) *Les [Bratislava]* 21(6):166-168. June 1965. 99.8 L5632
- 45292 SPEIDEL, G. Market distance and way of management in forestry. (Ge) *Allg. Forstz.* 21(4):63-66. Jan.22,1966. 99.8 AL52
Cost studies in Brazil.
- 45293 STREYFFERT, T. Malingsbo forest district 1912-1960/62; a forestry economic study. (Sw) *Svenska Skogsvardsforen. Tidskr.* 63(1):19-53. 1965. 99.8 Sk5
- 45294 SUCHY, J. The state of management in the supervised forests. (Cz) *Lesnicka Prace* 44(12):481-484. Dec.1965. 99.8 L56
- 45295 TEZUKA, Y. Advantages and disadvantages of short term rotation of forestry. (Ja) *Forest Econ.* 18(5):22-27. May 1965. 99.8 R474
- 45296 THULIN, S. Samverkan i det enskilda skogsbruket [Cooperation in private forestry]. Stockholm. *Jordbrukets Utredningsinst. Medd.* 3,89 p.,map. 1965. 11 St63M
English summary.
- 45297 VASIL'EV, P. V. Forest economics in relation to increased productivity of forests. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:75-77. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:11. Aug.1965. Film S-203
- 45298 WHITE, D. E. Comment on "The responsibility of forestry in depressed area." *J. Forest* 64(2):129-130. Feb.1966. 99.8 F768
In reference to article by J. G. Yoho.
- 45299 WOODS, R. V. Maintenance costs in softwood plantations in South Australia. *Australian Forest.* 29(4):216-230. Dec.1965. 99.8 Au74
Includes firebreak maintenance costs.
- 45300 ZELLER, E. Planning in the private forest. (Ge) *Schweiz. Z. Forstwesen* 117(2):108-117. Feb.1966. 99.8 J82
French summary.

Farm Woodlands

- 45301 MELLINGER, R. H. New uses for farm woodlands; today's owners put varied aims into conservation plans. *Soil Conserv.* 31(8):180-182. Mar.1966. 1.6 So3S
- 45302 SIPOS, A. Miért es hogyan fasítsunk a gazdaságban [Why and how to plant trees on the farms]? Budapest, *Mezőgazdasági Kiado*, 1965. 82 p. SD409.S52

Mensuration, Surveying, Photogrammetry

- 45303 ABETZ, P. Can immediate increment reactions after thinning be measured? (with a contribution to the problems of measuring with the Arnberg dendrometer.). (Ge) *Allg. Forst-Jagdzeitung* 137(2):41-49. Ref. Feb.1966. 99.8 AL3
English summary.
- 45304 ASSMANN, E. Increment in the natural regeneration phase; silvicultural problems in yield aspect. (Ge) *Centralbl. Gesamte Forstwesen* 82(4):193-217. Ref. Dec.1965. 99.8 C33
English summary.
Growth studies of spruce stands.
- 45305 ASTERES, K. Average annual diameter growth of *Pinus leucodermis* in the region of Kraniá-Monahetiou, Grevena in connection with trunk diameter. (Gre) *Dassika Chron.* 8(1):13-21. Ref. Jan.1966. 99.8 D23
- 45306 BANARU, C., and BANARU, S. Criteria of separation of *Picea* trees of the same and of different age for the computation of diameters necessary in the determination of height tables. (Rum) *Rev. Padurilor* 80(7):376-379. July 1965. 99.8 R327
- 45307 BITVINSKAS, T. T. Increment dynamics of forest stands and possibilities of their forecasting. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:497-503. Ref. 1964. 20 M857
- 45308 BORISOV, V. I. Taperness of spruce stands of the Archangel Region. (Rus) *Les. Khoz.* 9:35-38. Sept.1965. 99.8 L5622
- 45309 BRYNDUM, H. Production investigations of Norway spruce. (Da) *Dansk Skovfor. Tidsskr.* 50(4):175-192. Apr.1965. 99.8 D23
- 45310 BUTENAS, J. Increment studies of European alder in Lithuanian SSR. (Li) *Lietuvos Misku Ukio Mokslinio Tyrimo Institutas. Darbai.* Trudy 8:205-255. 1964. 99.9 L62
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:19-20. Oct.1965. Film S-203
- 45311 DAVIDOV, M. V. Volume and assortment tables for white willow stands. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasa-zhenii* 1964:140-149. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:19. Sept.1965. Film S-203
- 45312 EDLIN, L. A. Growth peculiarities of oak stands in the Kanev plantation. (Rus) *Lesovodstvo i Agrolesomeliorsiya* 2:80-85. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:19. Oct.1965. Film S-203
- 45313 GLAZOV, N. M. Variation of mean diameters of stands in big forests. (Rus) *Les. Khoz.* 9:29-32. Sept.1965. 99.8 L5622
Statistical methods applied.
- 45314 GROSENBAUGH, L. R. Generalization and reparameterization of some sigmoid and other nonlinear functions. *Biometrics* 21(3):708-714. Sept.1965. 442.8 B5224
In describing growth of trees.
- 45315 KARMAZIN, Z. U. Accuracy in determination of mensurational indices from helicopter MI-1 used for inventory of forests according to the III group. (Rus) In *Uchet lesosyr'evykh resursov i ustroistvo lesov* 1964:31-49. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:20. Aug.1965. Film S-203

- 45316 KIRALY, L. Problem of attaining maximal increment—contribution to article by A. Kallay. (Hu) *Erdo* 15(2):73-81. Feb.1966. 99.8 Er22 Statistical method.
- 45317 KIRBY, C. L. Average stand height, basal area per acre, and black spruce merchantable volume. *J. Forest.* 64(2):117-119. Feb.1966. 99.8 F768
- 45318 KRAVCHENKO, V. I. Effect of spruce planting density on form coefficient and species stem number. (Rus) *Leningrad. Nauch.-Issled. Inst. Lesn. Khoz. Sborn. Nauch.-Issled. Rabot po Lesn. Khoz.* 8:60-64. 1964. 99.9 L545
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:18. Sept.1965. Film S-203
- 45319 LAMONT, R. H., JOHN, H. H., and MEYER, M. P. A composite local aerial stand volume table for the Cloquet, Minnesota vicinity. *Minn. Forest. Notes* 167,2 p. Jan.15,1966. 99.8 M662
- 45320 LAMONT, R. H., TROCHLIL, R. C., and MEYER, M. P. A test of a composite local aerial stand volume table outside the locality of origin. *Minn. Forest. Notes* 168,2 p. Jan.15,1966. 99.8 M662
- 45321 LEBKOV, V. F. Age of pine stands reaching technical maturity in mountain areas of Krasnoyarsk Territory. (Rus) *In Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri* 1964:44-53. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:18. Oct.1965. Film S-203
- 45322 LUNDGREN, A. L. Alinement chart for numbers of trees, diameters, basal areas. *U. S. Forest Serv. Res. Note* LS-67,2 p. Oct.1965. A99.9 F7624
- 45323 MAMAEV, S. A. Scotch pine with thick bark in the Perm Region. (Rus) *Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy* 42:97-106. 1965. 442.9 Ak14
Measurements.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:8-9. Oct.1965. Film S-203
- 45324 MARDEN, R. M. A new approach to tree grading for northern hardwoods. *Forest Prod. J.* 15(5):179-184. Ref. May 1965. 99.9 F7662J
- 45325 MAZHUGIN, I. N. Determination of plot sizes in mensurational studies using large and medium-scale aerial photographs. (Rus) *Leningrad. Nauchno-Issled. Inst. Lesn. Khoz. Sborn. Nauchn.-Issled. Rabot po Lesn. Khoz.* 8:54-59. 1964. 99.9 L545
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:17. Sept.1965. Film S-203
- 45326 MCCLURKIN, D. C. Diameter growth and phenology of trees on sites with high water tables. *U. S. Forest Serv. Res. Note* SO-22, 4 p. Ref. 1965. A99.9 F7628U
Baldcypress (*Taxodium distichum*), white ash (*Fraxinus americana*) and sweetgum (*Liquidambar styraciflua*) in Mississippi.
- 45327 MIRZASHVILI, V. I., and GIGAURI, G. N. Growth characteristics of *Fagus orientalis* Lipsky and the determination of optimum harvesting dates. (Rus) *Tiflis. Institut Lesa. Trudy* 13:38-50. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:17. Sept.1965. Film S-203
- 45328 MOISEENKO, S. N. Basal area and total volume tables for coniferous-broadleaved stands of 1,0 planting density. (Rus) *Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov* 6:72-87. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:21. Oct.1965. Film S-203
- 45329 NIKITIN, K. E. Electronic calculator Promin' used for mathematical processing of results of experimental investigations. (Rus) *In Opyt sozdaniya vysokoproduktivnykh lesnykh nasa-zhdenii* 1964:104-111. (Not in NAL)
Forest mensuration.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:18-19. Aug.1965. Film S-203
- 45330 OSANAI, T., and KOGI, K. A graphic representation of the elements of broadleaf tree measurements in Hokkaido. (Ja) *Hokkaido. Forest Exp. Sta. Annu. Rep.* 1964:90-144. 1965. 99.9 J2724A
German summary.
- 45331 POLYAKOV, V. S. Growth of fir-spruce stands in Enisei region of Krasnoyarsk Territory. (Rus) *In Uchet lesosyr'evykh resursov i ustroistvo lesov* 1964:19-30. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:23. July 1965. Film S-203
- 45332 POLYAKOV, V. S. Yield tables for uneven-aged fir stands of Enisei region of Krasnoyarsk Territory. (Rus) *In Uchet lesosyr'evykh resursov i ustroistvo lesov* 1964:9-18. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:24. July 1965. Film S-203
- 45333 POPESCU-ZELETIN, I., and MOCANU, V. On the form and volume of *Quercus pubescens* in the Northern Dobruja. (Rum) *Rev. Padurilor* 80(7):373-376. Ref. July 1965. 99.8 R327
German summary.
- 45334 PORITSKII, G. A. Increment studies of poplar stands under conditions of Polesye and forest-steppe area of Ukrainian SSR. (Rus) *Lesovodstvo i Agrolesomeliatoriya* 2:22-28. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:19. Oct.1965. Film S-203
- 45335 REPSYS, J. Growth and productivity of eastern white pine stands under conditions of Lithuania. (Li) *Lietuvos Misku Ukio Mokslinio Tyrimo Institutas. Darbai. Trudy* 8:127-156. 1964. 99.9 L62
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:19. Oct.1965. Film S-203
- 45336 SAITO, H., SHIDEI, T., and KIRA, T. Dry-matter production by *Camellia japonica* stands. (Ja) *Jap. J. Ecol.* 15(4):131-139. Ref. Aug. 1965. 410 J272
English summary.
Mensurational studies.
- 45337 SAVICH, YU. N. Relation between growth of sample trees and stands. (Rus) *Lesovodstvo i Agrolesomeliatoriya* 2:29-35. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:20. Oct.1965. Film S-203
- 45338 SCHMELZ, D. V., and LINDSEY, A. A. Graphical analysis of the size-class structure of old-growth forests in Indiana. *Ind. Acad. Sci. Proc.* 74:307. 1964, pub.1965. 500 In2
- 45339 SEMECHKIN, I. V. Stem volume for pine stands in Western Sayan Mountains. (Rus) *Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri* 1964:54-64. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:20. Oct.1965. Film S-203
- 45340 SIMARD, H. Tree-length scaling: facts or fancies. *Pulp Pap. Mag. Can.* 67(1):WR15-WR18, WR20-WR21, WR24-WR25. Ref. Jan. 1966. 302.8 P96

- 45341 SMELKO, S. Study of the formation of diameter increment of trees in relationships to the sloping of land. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(1):35-44. Jan.1965. 99.9 C334
English summary.
- 45342 TIKHOMIROV, B. N. Volume weight of growing larch. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:329-338. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:18. Oct.1965. Film S-203
- 45343 VERKHUNOV, P. M., FADEEV, M. G., and PUSTYNSKII, V. M. Forest raw material bases of Krasnoyarsk Territory in relation to lumber yield. (Rus) Vostochno-Sibirskii Nauchnyi i Proektnyi Institut Lesnoi i Derevoobrabatvyvayushchei Promyshlennosti. Trudy 11:49-56. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:25. July 1965. Film S-203
- 45344 VOLKOV, V. N. Provisional volume table for heartleaf hornbeam. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23:73-74. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:21. Aug.1965. Film S-203
- 45345 WEBB, A. W. Height/age relationships for Eucalyptus regnans. Victoria. Forest Comm. Forest. Tech. Pap. 16:21-29. Nov.1965. 99.9 V66F
- 45346 YUROV, I. V. Determination of cross section area and volume of stems of fir and oak. (Rus) Les. Khoz. 9:32-35. Sept.1965. 99.8 L5622
- 45347 ZAICHENKO, L. P. Summarization of angle method of forest mensuration. (Rus) In Uchet lesosyr'evykh resursov i ustroistvo lesov 1964:50-56. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:19. Aug.1965. Film S-203
- 45348 ZAKHAROV, V. K. Specific height of woody stems and stands. (Rus) Les. Khoz. 9:26-28. Sept.1965. 99.8 L5622
Norway and Schrenk spruce.
- Silviculture**
- 45349 ALEXANDER, R. R. Harvest cutting old-growth lodgepole pine in the Central Rocky Mountains. J. Forest. 64(2):113-116. Ref. Feb.1966. 99.8 F768
Effects on growth and mortality.
- 45350 ALSTON, A. S. Raising Pinus caribaea in Fiji. Arbor 4(2):18-20. 1965. 99.8 Ar17
- 45351 ANTYKOV, A. YA., and KISEL', V. D. Survey of forest soils of Ukrainian SSR and its importance for forest management. (Rus) In Issledovanie i kartirovanie lesnykh pochv 1964:98-112. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:13. Oct.1965. Film S-203
- 45352 BADANOV, A. P. Incensecedar [Libocedrus decurrens] growing along Black Sea coast in Caucasus. (Rus) Moscow. Glav. Bot. Sad. B. 55:33-34. 1964. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:8. Aug.1965. Film S-203
- 45353 BARRES, H. Silvicultural research in Puerto Rico. (Fr) Schweiz. Z. Forstwesen 117(2):127-134. Feb.1966. 99.8 J82
German summary.
At the Institute of Tropical Forestry, Rio Piedras.
- 45354 BASUN, P. A. Improving productivity of stands by introduction into the culture Picea excelsa. (Rus) In Lesovodstvo i Agrolesomeliorsatsiya 2:113-117. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:28. Aug.1965. Film S-203
- 45355 BJORKMAN, E. Report and recommendations from IUFRO's Mycorrhiza Working Group [International Union of Forest Research Organizations] (section 24) meeting in Puerto Rico, July 2-7, 1964. Stockholm. Skogshogsk. Inst. Skogshot. Publ. 137,7 p. Ref. 1964. 99.9 St65
Mycorrhiza on forest trees.
- 45356 BONNEMANN, A. Aktuelle waldbauliche Fragen in Deutschland [Current silviculture problems in Germany]. Norges Landbrukshogsk. Meld. 44(24),35 p. Ref. 1965. 104 N762M
- 45357 BOWEN, G. D. Mycorrhiza inoculation in forestry practice. Australian Forest. 29(4):231-237. Ref. Dec.1965. 99.8 Au74
- 45358 BRINKMAN, K. A., ROGERS, N. F., and GINGRICH, S. F. Shortleaf pine [Pinus echinata] in Missouri; stand density affects yield. U. S. Forest Serv. Res. Paper CS-14,14 p.,map. Sept.1965. A99.9 F7629U
- 45359 BUBRYAK, I. I. Subtropical trees in Transcarpathian Region. (Rus) In Selekttsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod 1964:218-221. (Not in NAL)
Introduction and acclimatization.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:7. Oct.1965. Film S-203
- 45360 BUKHTEEVA, A. V. On conversion in spruce-fir forests of Sakhalin. (Rus) Leningrad. Universitet. Vestnik 21:146-148. 1964. 511 L549
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:4. Oct.1965. Film S-203
- 45361 BURES, CIZEK, and NYMBURSKY. Cutting systems of the small-area forests. (Cz) Lesnicka Prace 44(12):490-493. Dec.1965. 99.8 L56
- 45362 BUSH, K. K., and ABOLIN', A. A. Interrelation between plant cover and production of main forest types under drainage conditions. (Rus) Riga. Zinatnu Akademiya. Institut Biologii. Rastitel'nost' Latviiskoi SSR 4:87-114. 1964. 451 R44
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45363 CARBONNIER, H. Forestry in the hardwood area in Skane. (Sw) Svenska Skogsvardsforen. Tidskr. 63(1):1-18. Ref. 1965. 99.8 Sk5
Chiefly Coniferae culture.
- 45364 CHARELISHVILI, A. K. Past results of unsystematic cuttings in mountainous beech and spruce-beech forests of Georgian SSR and measures for improvement of thinned stands. (Rus) Okhrana Prirody Gruzii 1:103-110. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:12-13. Sept.1965. Film S-203
- 45365 CHERNYAVSKII, P. I. Black poplar and English oak in silviculture and forest improvement in Transvolga area. (Rus) In Selekttsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod 1964:205-208. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:26. Oct.1965. Film S-203
- 45366 CHUGUNOV, B. V. Forest types of Yakutia and possibility of their reproduction in Yakutia Botanical Garden [Yakutskii Botanicheskii Sad]. (Rus) In Introduktsiya rastenii v Tsentral'noi Yakutii 1965:45-76. Ref. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:6. Oct.1965. Film S-203
- 45367 DAVIDOV, M. V. Site index determination for fast growing forest species. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:353-356. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:22. July 1965. Film S-203
- 45368 DEKATOV, N. E. Improvement of cuttings to increase productivity of forests. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:113-117. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203

- 45369 DRYNESS, C. T., and YOUNGBERG, C. T. Soil-vegetation relationships within the ponderosa pine type in the central Oregon pumice region. *Ecology* 47(1):122-138. Ref. Winter 1966. 410 Ec7
- 45370 DUBININ, G. V. Pine-oak mixed plantations. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii* 1964:29-32. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:29. Aug.1965. Film S-203
- 45371 DUDAREV, A. D. Effect of improvement cutting on productivity of pine plantations. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:179-186. (Not in NAL) Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203
- 45372 FAST-GROWING tree species for industrial plantations in developing countries. *Unasylva* 19(4):159-167. 1965. 99.8 Un1
- 45373 GANTIMUROV, I. I., and FEDOROVA, L. M. Composition and properties of litter of main forest types of Kazakhstan peneplain and of birch stands of Baraba area. (Rus) *Novosibirsk. Sel'skokhozyaistvennyi Institut. Trudy* 25(3):158-165. 1964. 20 N854 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:5. July 1965. Film S-203
- 45374 GANZHA, M. T. Culture of oak in Kotov forest plantation. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii* 1964:22-28. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:31. Sept.1965. Film S-203
- 45375 GASANOV, KH. N. Biological accumulation of mineral and organic substances in soils of forest-mountain areas on Shemakha hillside. (Rus) *Akad. Nauk Azerb. SSR. Dokl.* 22(10):61-64. 1965. 511 Ak147D Role of litter in soil formation.
- 45376 GEDENIDZE, A. A. Productivity of alder-type forests on water-logged soils and on soils improved by silt deposition in Colchis lowland. (Rus) *Tiflis. Institut Lesa. Trudy* 13:63-68. 1964. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:17. Oct.1965. Film S-203
- 45377 GEORGIEVSKII, N. P. Improvement cutting in young stands. (Rus) In *Za povyshenie produktivnosti lesov* 1964:67-68. (Not in NAL) Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:16. Aug.1965. Film S-203
- 45378 GONZALEZ MOLINA, F. New Australian forest varieties in the Province of Manabi. (Sp) *Manabi. Consorcio Cent. Agr. Rev.* 27(107):50-56. Jan./June 1965. 9.5 M31
- 45379 GRIBANOV, L. N. Classification of forest types of alpine scattered pinewoods of Central Kazakhstan peneplain and Kalba Range. (Rus) *Vest. Sel'skokhoz. Nauki [Alma-Ata]* 2:73-82. Ref. 1965. 20 Ak16 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:5. Sept.1965. Film S-203
- 45380 GURSKII, V. V. Results of tests and culture of some new forest species at the Krasno-Trostyanets Forest Experiment Station [Krasno-Trostyanets Lesnaya Opytnaya Stantsiya]. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevnykh lesnykh porod* 1964:167-181. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:26. Aug.1965. Film S-203
- 45381 GUSEV, N. N., KITAEV, I. G., and YURRE, N. A. *Lesovodstvo [Silviculture]*. Moskva, Lesnaya Promyshlennost', 1965. 247 p. Ref. SD371.G8
- 45382 HALLS, L. K., and HOMESLEY, W. B. Stand composition in a mature pine-hardwood forest of southeastern Texas. *J. Forest.* 64(3):170-174, map. Ref. Mar.1966. 99.8 F768
- 45383 HAMILTON, C. D. Changes in the soil under *Pinus radiata*. *Australian Forest.* 29(4):275-289. Ref. Dec.1965. 99.8 Au74
- 45384 HESMER, H., and GUNTHER, K. H. Cultivation experiments and afforestation experiences on pseudo gley soils of Kottenforst. I. Hardwood culture. (Ge) *Forstarchiv* 37(1):1-26. Jan. 1966. 99.8 F7723
- 45385 HIRAI, S., and AIZAWA, E. Notes on Pakistan wood. 1-2. (Ja) *Wood Indus.* 20(8):32-35; (9):21-26. 1965. 99.82 M72 Types of forest in Pakistan.
- 45386 HODGKINS, E. J. Southeastern forest habitat regions based on physiography. *Ala. Agr. Exp. Sta. Forest. Dep. Ser.* 2, 10 p., map. Ref. June 1965. 99.9 AL13
- 45387 HOFSTED, E. A. Providing redwoods for parks and public recreation. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):27-28, 114-115. 1965. 99.76 P112La California.
- 45388 IPATOV, V. S. Application of ecological tables for evaluation of forest types. (Rus) *Leninograd. Universitet. Vestnik* 21:150-152. 1964. 511 L549 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:4-5. Sept.1965. Film S-203
- 45389 KALDA, A. Seasonal development of grassy vegetation in broadleaved forest. (Es) *Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaramat* 56:79-96. Ref. 1964. 511 Ak191 German summary.
- 45390 KAN, M., SAITO, H., and SHIDEI, T. Studies on the productivity of evergreen broad leaved forests. (Ja) *Kyoto Univ. Bull. Kyoto Univ. Forests* 37:55-75. Ref. Nov.1965. 99.9 K993 English summary.
- 45391 KARAZIYA, S. V. Types and productivity of birch forests of Lithuanian SSR. (Rus) In *Issledovanie i kartirovanie lesnykh pochv* 1964:125-130. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:10. July 1965. Film S-203
- 45392 KHIDASHELI, SH. A. Results of gradual regeneration cuttings in pine forests of Atenskii gap. (Rus) *Tiflis. Institut Lesa. Trudy* 13:197-204. 1964. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:12. Sept.1965. Film S-203
- 45393 KHOMYAKOVA, I. M. Characteristics of ground cover of mossy pinewoods in middle belt of forest-steppe zone. (Rus) *Vsesoyuznoe Botanicheskoe Obshchestvo. Voronezhskoe Otdelenie. Nauchnye Zapiski* 1964:88-94. (Not in NAL) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:5. Sept.1965. Film S-203
- 45394 KIKUZAWA, K., and others. On the biomass of invertebrates in forest floor. (Ja) *Kyoto Univ. Bull. Kyoto Univ. Forests* 37:25-39. Ref. Nov.1965. 99.9 K993 H. Watanabe, P. Saichuae, and T. Shidei, joint authors. English summary.
- 45395 KOHAN, S. Understory of poplar forests in the plains of Eastern Slovakia. (Cz) *Les [Bratislava]* 21(5):136-138. May 1965. 99.8 L5632
- 45396 KOSTYLEV, A. S. Site class in "soft"-hardwood and spruce-hardwood stands in the forests of the second group. (Rus) *Leningrad. Nauch.-Issled. Inst. Lesn. Khoz. Sborn. Nauch.-Issled. Rabot po Lesn. Khoz.* 8:32-41. 1964. 99.9 L545 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:11. Sept.1965. Film S-203
- 45397 KROTOVA, N. G. Experiment in growing mixed pine and linden stands at the Timiryazev Agricultural Academy, Forest Experiment Station [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya, Lesnaya Opytnaya Dacha]. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 99:505-510. 1964. 20 M857

- 45398 KRYLOV, A. G., and RECHAN, S. P. Forest-vegetational zoning and forest types. (Rus) In *Lesa Gornogo Altaya* 1965:22-144. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:4. Sept.1965. Film S-203
- 45399 KRYLOV, G. V., and KULIKOV, M. I. Cutting systems and improvement of forest management. (Rus) In *Lesa Gornogo Altaya* 1965:162-187. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:14. Oct.1965. Film S-203
- 45400 KURIMURA, T. On Faustmann's formula for soil value and Komatsu's new formula. (Ja) *Forest Econ.* 18(3):13-26. Mar.1965. 99.8 R474
For forest soils.
- 45401 LAGIDZE, A. D. Effect of skidding by tractor on soil. (Rus) *Les. Khoz.* 9:22-23. Sept.1965. 99.8 L5622
- 45402 LEBEDINOVA, N. S. Pine forests of Nizhne-Ilimsk District. (Rus) *Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. Seriya Biologo-Meditsinskikh Nauk* 12(3):77-85. 1964. 442.9 Ak125
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:5. Oct.1965. Film S-203
- 45403 LEBEDINOVA, N. S., and KUZ'MIN, V. A. Vegetation and soils of southern part of Nizhne-Ilimsk District of the Irkutsk Region. (Rus) In *Ocherki po geografii i genezisu pochv Srednei Sibiri* 1964:69-100. (Not in NAL)
Forest types.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:5-6. Oct.1965. Film S-203
- 45404 LOGGINOV, B. I. Introduction of exotic woody plants in Ukrainian forests. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod* 1964:100-111. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:26. Aug.1965. Film S-203
- 45405 LOGGINOV, B. I. Ways to increase productivity of Ukrainian forests. (Rus) *Lesovodstvo i Agrolesomeliioratsiya* 2:3-9. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:26. Aug.1965. Film S-203
- 45406 LUKINAS, N. V. Cultural methods for oak plantations in Lithuanian SSR. (Rus) *Lesoekspluatatsiya i Lesnoe Khozyaistvo. Tekhnicheskaya Informatsiya* 2:6-7. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:27. Sept.1965. Film S-203
- 45407 LUKINAS, N. V. Introduction of coniferous species in forests of Lithuanian SSR. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:403-406. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:15. July 1965. Film S-203
- 45408 MALATADZE, L. B. Forest types of Adzhar-Imeretian Range and their utilization. (Rus) *Tiflis. Institut Lesa. Trudy* 13:3-37. Ref. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:6. Sept.1965. Film S-203
- 45409 MARCU, G. Introduction of new technique in Rumanian silviculture. (Rum) *Rev. Padurilor* 80(7):353-358. July 1965. 99.8 R327
- 45410 MARKS, G. C. The classification and distribution of the mycorrhizas of *Pinus radiata*. *Australian Forest.* 29(4):238-251. Ref. Dec. 1965. 99.8 Au74
- 45411 MCKNIGHT, J. S. Intensify forestry in southern hardwoods. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:10-12. 99.9 Am33Te
- 45412 MEGALINSKII, P. N. Establishment of black locust plantings in the steppe zone. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii* 1964:18-21. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:31. Sept.1965. Film S-203
- 45413 MEGALINSKII, P. N., and NAKONECHNYI, V. S. Gradual regeneration cuttings in pine stands of Boyarsk school forest. (Rus) *Lesovodstvo i Agrolesomeliioratsiya* 2:52-60. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:12. Sept.1965. Film S-203
- 45414 MOLCHANOV, A. A. Justification of basic cutting systems. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:190-193. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203
- 45415 MOLOTKOV, P. I. Characteristics of main fellings in Carpathian forests and methods of their improvement. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:149-152. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203
- 45416 MOROZOVA, R. M. Effect of concentrated forest cuttings on changes of soil forming processes. (Rus) In *Vozobnovlenie lesa na vyrubkakh i vyrashchevanie seyantshev v pitomnikakh* 1964:55-73. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:3-4. Oct.1965. Film S-203
- 45417 MOTOVILOV, G. P. Planning of main fellings in plantations with gradual-shelterwood and secondary cutting systems. (Rus) *Tiflis. Institut Lesa. Trudy* 14:223-226. 1965. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:14. Oct.1965. Film S-203
- 45418 MRAZ, K. Yearly variations in the content of nitrates in soils on which are grown poplars. (Cz) *Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas.* 38(1):17-34. Ref. Jan.1965. 99.9 C334
German and French summaries.
- 45419 MURRAY, B. R. Christmas trees, a profitable crop for Georgia. *Ga. Univ. Ext. Bull.* 606, rev., 15 p. June 1965. 275.29 G29B
Chiefly culture.
- 45420 NAKONECHNYI, V. S., and PALAMARCHUK, G. I. Oak culture in Vinnitsa plantation. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii* 1964:5-9. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:29. Aug.1965. Film S-203
- 45421 NAPALKOV, N. V. Varietal testing of poplars in Tatar ASSR. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:417-420. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:30. July 1965. Film S-203
- 45422 NESTEROV, V. G. Culture of future forest plantations in Moscow Region. (Rus) In *Povyshenie produktivnosti lesov* 1964:25-37. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:11. Aug.1965. Film S-203
- 45423 NOVIKAW, A. L. Short-term gradual shelterwood cutting in oak stands. (Be) *Minsk Belaruskaya Akademiya Navuk. Vestsi. Seriya Sel'skhaspadarchykh Navuk* 2:94-98. 1964. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203
- 45424 ORLENKO, E. G. Aspen—a fast growing forest species. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod* 1964:85-89. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:9. Aug.1965. Film S-203
- 45425 OSKRETKOV, M. YA. Gradual mechanized strip-shelterwood cuttings. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:174-178. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203

- 45426 OSTAPENKO, B. F., KOLOTUSHKIN, V. G., and SHMATOV, A. F. Forest types of Sunzhensk plantation. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45 (83):35-53. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:5. Sept.1965. Film S-203
- 45427 OSTAPENKO, B. F., and VARYAGINA, E. I. Microclimatic and actinometric studies of forest types growing on mountainous slopes. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83):74-80. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:5-6. Sept.1965. Film S-203
- 45428 PANCHULIDZE, A. K. Conversion of species in pine-spruce stands of Goriisk Experimental Forest and determination of methods of their management. (Rus) Tiflis. Institut Lesa. Trudy 13:88-102. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:12. Sept.1965. Film S-203
- 45429 POLUBOYARINOV, I. I. Selection of poplars for forest plantations in Polesye and forest-steppe area of Ukraine. (Rus) Lesovodstvo i Agrolesomeliatsiya 2:10-16. 1965. (Not in NAL)
Culture.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:26-27. Sept.1965. Film S-203
- 45430 PONTICELLI, P. Accelerated culture of Eucalyptus globulus and Pinus radiata in Corsica. (It) Cell. Carta 14(12):20-24. Dec.1965. 302.9 En8
English summary.
- 45431 POPOV, N. A. Effect of improvement cuttings on increased growth in height of Korean pine. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23: 97-99. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:16. Aug.1965. Film S-203
- 45432 PRUSA, E. Silvicultural systems from the biological point of view. (Cz) Lesnicka Prace 44(7):297-302. July 1965. 99:8 L56
- 45433 PYATETSKII, G. E. Potential productivity of forests growing on Karelian marshes. (Rus) Petrozavodsk. Universitet. Uchenie Zapiski 12(2):114-131. Ref. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:12-13. Aug.1965. Film S-203
- 45434 QUEIROS, J. DE B. Notes on the culture of exotic forest species of the Coniferae family. I. (Por) Gaz. Agr. Angola 10(11):632-634, 636. Nov.1965. 24 G252
- 45435 RAMENSKAYA, M. L. Typology of forest landscapes of Karelia. (Rus) Vozrobnovlenie lesa na vyrubkakh i vyrashchevanie seyantsv v pitomnikakh 1964:5-21. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:5. Aug.1965. Film S-203
- 45436 REMEZOV, N. P., and POGREBNYAK, P. S. Lesnoe pochvovedenie [Forest soil science]. Moskva, Lesnaya Promyshlennost', 1965. 324 p. Ref. S598.R4
- 45437 ROE, A. L., and DEJARNETTE, G. M. Results of regeneration cutting in a spruce [Picea engelmannii]-subalpine fir [Abies lasiocarpa] stand. U. S. Forest Serv. Res. Paper INT-17, 14 p., map. 1965. A99.9 F764U
- 45438 ROHRIG, E. Cultivation possibilities for Corsican pine in the northeastern German Lowland. (Ge) Allg. Forstz. 21(7):127. Ref. Feb.12, 1966. 99:8 AL52
- 45439 ROMANOV, P. Effect of cuttings on advance growth of pine in southern part of Kokchetav-Minchaktinsk penepplain. (Rus) Akad. Nauk Kazakhskoi SSR. Izv. Ser. Biol. Nauk 1:38-43. 1965. 442.8 AL6
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:4. Aug.1965. Film S-203
- 45440 RONGINSKAYA, A. V. Birch-type forests of northeastern part of Kansk forest-steppe. (Rus) Rastitel'nyi pokrov Krasnoyarskogo kra-ya 1:91-97. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:6. Sept.1965. Film S-203
- 45441 SALIN'SH, S. KH. Possibilities for culture of larch and poplar in Latvia. (Rus) In Povyshe-nie produktivnosti i sokhrannosti lesov 1964: 275-280. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:30. July 1965. Film S-203
- 45442 SALY, R., and OBR, F. Notions on the transformation of coppice forests and on the problems of pure spruce culture in Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(1):1-16. Ref. Jan.1965. 99.9 C334
German and French summaries.
- 45443 SENNOV, S. S. Spruce growth in young mixed stands and determination of improvement cutting dates. (Rus) Leningrad. Nauch.-Issled. Inst. Lesn. Khoz. Sborn. Nauch.-Issled. Rabot po Lesn. Khoz. 8:120-127. 1964. 99.9 L545
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:13-14. Sept.1965. Film S-203
- 45444 SEREDIN, V. I. Thermal balance of cutover areas in pine forests of left-bank forest-steppe zone of Ukraine. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83): 129-135. 1964. 20 K528
Measurement of solar radiation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:3. Sept.1965. Film S-203
- 45445 SHABLI, O. I. Some silvicultural problems of Transcarpathia. (Uk) In Problemy rozvytku pryrodnychkh i tochnykh nauk 1964:159-168. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:10-11. Sept.1965. Film S-203
- 45446 SHANIN, S. S. Effect of age of selection pine stands of Siberia on yield of industrial wood and on resin exudation ability. (Rus) In Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri 1964:22-43. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:12-13. Oct.1965. Film S-203
- 45447 SHAPOVALOV, A. A. Introduction of trees and shrubs on Chernozem soils of Kamennaya Steppe. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:245-251. 1965. 20 V91S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:7. Oct.1965. Film S-203
- 45448 SHCHERBATYUK, A. S. Light regime under grass cover in larch-type forests of upper Lena River. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:107-111. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:3. Oct.1965. Film S-203
- 45449 SHEA, K. R., and BELLUSCHI, P. G. Effects of dwarfmistletoe [Arceuthobium campylopodum] on diameter increment of immature ponderosa pine [Pinus ponderosa] before and after partial logging. Weyerhaeuser Co. Forest. Res. Center. Weyerhaeuser Forest. Pap. 4, 7 p. July 1965. 99.9 W542W
- 45450 SHEINGAUZ, A. S. Effect of clear cutting and conditional clear cutting on conversion of species in coniferous-broadleaved forests of the Ussuri Basin. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:196-221. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:13-14. Oct.1965. Film S-203
- 45451 SHKUTKO, N. V., and MARTINOVICH, B. S. European beech in Belorussia. (Rus) Moscow. Glav. Bot. Sad. B. 57:24-26. 1965. 451 M854
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965. Film S-203

- 45452 SIMMONS, I. G. The future of the redwoods. New Sci. 28(473):746-748, map. Dec. 9, 1965. 472 N42
California.
- 45453 SOLOV'EV, K. P., and PETROPAVLOVSKII, B. S. Improvement cuttings in forests of Maritime Territory and Amur area. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:142-157. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:14. Oct. 1965. Film S-203
- 45454 SOLOV'EV, K. P., PITIKIN, A. I., and BADA-EVA, E. A. Reconstruction of thickets and stands of little industrial value in Maritime Territory and middle Amur area. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:269-274. 1964. 99.9 D162
By improvement cuttings.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:14-15. Sept. 1965. Film S-203
- 45455 STEPHENS, F. R. Logepole pine—soil relations in the northwest Oregon Cascade Mountains. J. Forest. 64(3):184-186. Mar. 1966. 99.8 F768
- 45456 TADAKI, Y., OGATA, N., and NAGATOMO, Y. The dry matter productivity in several stands of *Cryptomeria japonica* in Kyushu. (Ja) Jap. Forest Exp. Sta. Bull. 173:45-66. Ref. Feb. 1965. 99.8 R47
English summary.
- 45457 TAMM, YU. A. Poplar culture in Estonia. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:407-411. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:29. Aug. 1965. Film S-203
- 45458 TARANKOV, V. I. Penetration of light in coniferous-broadleaved forests of southern Maritime Territory. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23:79-81. 1964. (Not in NAL)
Under forest litter.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:2. Aug. 1965. Film S-203
- 45459 TEDER, KH. O. Gradual shelterwood cuttings in Estonian forests. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:118-120. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:18. July 1965. Film S-203
- 45460 TIMOFEEV, A. F. Forest lands of Kirov Region and outlook for their improvement and reclamation. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:496-500. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45461 TIMOFEEV, A. F., and LOBASTOV, N. G. Forest plantations on used peat bogs. (Rus) Lesoeksploatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 7:9-10. 1965. (Not in NAL)
Coniferae.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:30. Aug. 1965. Film S-203
- 45462 TOLCHEEV, B. P. Experience in culture of poplar for industrial purpose in Ukraine. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:238-246. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:30. July 1965. Film S-203
- 45463 TISLIAR, D. Cembra pine on the Lower Tatra. (Cz) Les [Bratislava] 21(5):149. May 1965. 99.8 L5632
Culture.
- 45464 UEDA, S., TSUTSUMI, T., and SHIBATA, N. Studies on the preservation and promotion of soil fertility in the Yoshino Forest area; on the erosion of the surface soil, and the change of the physical and chemical properties following the clear cutting. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:102-124. Ref. Nov. 1965. 99.9 K993
English summary.
- 45465 VAKULYUK, P. G. Culture of poplars in the Zhitomir Region. (Rus) Lesoeksploatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 14:7-8. 1965. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:27. Sept. 1965. Film S-203
- 45466 VASIL'EV, A. V. Study of acclimatization of forest trees in Czechoslovakia. (Rus) Sukhum. Bot. Sad. Trudy 15:3-16. 1964. 451 Su42
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:7. Oct. 1965. Film S-203
- 45467 VEGA, L. Silvicultural observations on *Pinus patula* Schelet & Cham., in Cundinamarca, Colombia. (Sp) Turrialba 15(4):325-335, map. Oct./Dec. 1965. 8 T86
- 45468 VLAD, I. On the problem of choice and application of silvicultural systems. (Rum) Rev. Padurilor 80(7):361-365. July 1965. 99.8 R327
English summary.
- 45469 VOMPERSKII, S. E. Factors of environment and their importance for growth of forests on drained plots. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:468-472. (Not in NAL)
Peat soils.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:5. July 1965. Film S-203
- 45470 VUOKILA, Y. Intermediate cuttings and ingrowth. (Fi) Metsataloudellinen Aikakauslehti 83(1):13-16. Jan. 1966. 99.9 F49
English summary.
- 45471 YABLOKOV, A. S. Increasing yields of forests by culture and breeding of fast growing and highly productive forest species. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:200-210. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45472 YAKOVLEVA, L. V. Metasequoia and its culture on Black Sea coast of Caucasus. (Rus) Sochinskaya Nauchno-Issledovatel'skaya Opytnaya Stantsiya Subtropicheskogo Lesnogo i Lesoparkovogo Khozyaistva. Sbornik Trudov po Zelenomu Stroitel'stvu 2:173-179. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:10. Oct. 1965. Film S-203
- 45473 YUR, N. V. From experience of establishment of exotic coniferous forest plantations on drained areas of Ukrainian Polesye. (Rus) Lesovodstvo i Agrolesomeliioratsiya 2:17-21. 1965. (Not in NAL)
Pinus nigra and *P. strobus*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:25-26. Sept. 1965. Film S-203
- 45474 ZARKHINA, E. S. *Populus deltoides missouriensis* in forest plantations of Amur Region. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:118-131. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:28-29. Aug. 1965. Film S-203
- 45475 ZHUKOV, A. B. Some problems of increasing productivity of forests. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:64-66. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:17. July 1965. Film S-203
- 45476 ZOLOTAREV, S. A. Factors determining productivity of beech forests in Ukraine. (Rus) Lesovodstvo i Agrolesomeliioratsiya 2:36-43. 1965. (Not in NAL)
Chiefly soil conditions.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:6-7. Oct. 1965. Film S-203
- Silvicultural Practices
- 45477 ANDERSON, H. W., and GESSEL, S. P. Effects of nursery fertilization on outplanted Douglas-fir. J. Forest. 64(2):109-112. Feb. 1966. 99.8 F768

- 45478 BROWN, J. H. Slope or flat pruning of pines; an important consideration in Christmas tree plantation management. Amer. Christmas Tree J. 10(1):25-27. Feb.1966. 99.9 C46
Pinus sylvestris and P. resinosa.
- 45479 BUBBERMAN, F. C., and VINK, A. T. Ditch blasting; opening up tropical swamp forest in Surinam. Unasylyva 19(4):184-194. 1965. 99.8 Un1
- 45480 BUKSHTYNOV, A. D., and VASIL'EV, G. I. Use of synthetic films in forest nurseries. (Rus) Lesoeksploatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 7:10-11. 1965. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:25. Aug.1965. Film S-203
- 45481 DETZ, H. Weed control in poplar plantings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:110-111. 1965. 86 B65
Populus canadensis.
- 45482 DEVKINA, T. I. Effect of fertilizers and mulches on soil properties and development of pine seedlings in Karelian forest nurseries. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchevanie seyantsev v pitomnikakh 1964:179-202. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:21. Sept.1965. Film S-203
- 45483 DODGE, M., and DAVIS, J. B. Fire retardant chemicals—an aid in slash disposal. J. Forest. 64(2):98-101. Ref. Feb.1966. 99.8 F768
- 45484 DURANIK, E. More on the tables for the calculation of the volume of composts. (Cz) Les [Bratislava] 21(6):174-175. June 1965. 99.8 L5632
With reference to Cholvadt's article. Forest nurseries.
- 45485 ELK, B. C. M. VAN. Heat of frames for cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:46-49. 1965. 86 B65
Coniferae.
- 45486 ELK, B. C. M. VAN., and DETZ, H. Top-dressing of transplanted Picea [abies] seedlings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:77-78. 1965. 86 B65
- 45487 ELPAT'EVSKII, M. P. Studies at the Lenin-grad Scientific Research Institut of Forestry [Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva] in the field of forest drainage improvement. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:441-448. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45488 FORMIN, A. S. Peculiarities of forest drainage of Meshchera lowland. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:501-503. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45489 GANGNUS, A. New machine for timber thinning. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:16. Nov.22,1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Lesnaya Promyshlennost', Aug.28,1965:2.
- 45490 GINGRICH, S. F., BRINKMAN, K. A., and ROGERS, N. F. Shortleaf pine [Pinus echinata] in Missouri; two methods of thinning. U. S. Forest Serv. Res. Paper CS-16,9 p.,map. Sept. 1965. A99.9 F7629U
- 45491 GUNTHER, G. Labor saving by the application of herbicides in forestry. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:167-173. June 1965. 410.9 G31M
Includes application of Dalapon in pine forest.
- 45492 HOLSTENER-JORGENSEN, H. Potassium and magnesium deficiency symptoms of a Norway spruce fertilizing experiment at Bevtøft plantation, Haderslev State forest district. (Da) Dansk Skovfor. Tidsskr. 50(8):337-345. Aug. 1965. 99.8 D23
English summary.
- 45493 IVKOV, V. T. Improving silvicultural technology on cutover areas. (Rus) Les. Khoz. 9:69-70. Sept.1965. 99.8 L5622
Site preparation.
- 45494 KAL'NOI, P. G. Rotation of crops in forest nurseries. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:112-123. (Not in NAL)
Legumes as green manures.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:24. Aug.1965. Film S-203
- 45495 KISHENKO, T. I., and CHESNOKOVA, M. F. Effectiveness of preparation of soils using various scarifiers on cutover areas of Picea-Vaccinium sites. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchevanie seyantsev v pitomnikakh 1964:88-93. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:13. Sept.1965. Film S-203
- 45496 KULIKOV, E. M. Forest plantings on plots prepared by mechanized method. (Rus) Les. Khoz. 9:70-72. Sept.1965. 99.8 L5622
- 45497 KUZNETSOVA, A. I. Growing of weeds in forest plantations under various methods of soil tillage. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh 1964:118-126. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:23-24. Sept.1965. Film S-203
- 45498 LUNDGREN, A. L. Thinning red pine [Pinus resinosa] for high investment returns. U. S. Forest Serv. Res. Paper LS-18,20 p. Ref. Aug.1965. A99.9 F7624U
Lake States.
- 45499 PUZYREV, V. A., and ZOLOTAREVA, L. P. Care of young coniferous -broadleaved stands with the use of chemicals. (Rus) Lesoeksploatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 12:4-5. 1965. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:17. Oct.1965. Film S-203
- 45500 ROGERS, N. F., and BRINKMAN, K. A. Shortleaf pine [Pinus echinata] in Missouri; understory hardwoods retard growth. U. S. Forest Serv. Res. Paper CS-15,9 p.,map. Sept.1965. A99.9 F7629U
Includes control.
- 45501 SABO, E. D. Silvicultural and economic effectiveness of forest drainage. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:473-481. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45502 SAGL, K. Why the plan of thinning forests in Southern Bohemia is not being implemented. (Cz) Lesnicka Prace 44(7):303-304. July 1965. 99.8 L56
- 45503 SHUBIN, V. I., and KUZNETSOVA, A. I. Silvicultural evaluation of preparation of forest soils using disk cultivator. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh 1964:94-103. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:15. Oct.1965. Film S-203
- 45504 SOBOTKA, O., and HRAZDIRA, A. Shall we apply fertilizers to forests? (Cz) Lesnicka Prace 44(12):500-502. Dec.1965. 99.8 L56
- 45505 TELISHEVSKII, D. A. Forest drainage in Volyn Region of Ukraine. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:486-489. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:21. July 1965. Film S-203
- 45506 TOYOOKA, H., YOKOYAMA, K., and OKA, M. A study of weeding and its effects in afforested land. II. Effects of treatment by herbicides before planting. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:37-58. Ref. 1965. 99.9 J2724A
English summary.
Weeding of Sasa nicaulate from Abies sachalinensis.

- 45507 TRENK, F. B. Winter shearing of balsam fir and the spruces. Amer. Christmas Tree J. 10(1):28-29. Feb.1966. 99.9 C46
- 45508 VANIS, Z. Auxiliary tables for the determination of dosages for chemical preparations. (Cz) Lesnicka Prace 44(7):316-320. July 1965. 99.8 L56
Used in silvicultural practices.
- 45509 VEPKHAVADZE, V. M. Effect of methods of irrigation on characteristics of soil moisture when planting forest species on slopes. (Rus) Tiflis. Institut Lesa. Trudy 13:103-110. 1964. (Not in NAL)
Austrian pine and hedge maple.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:23. Sept.1965. Film S-203
- 45510 WHITE, D. P. Fertilization for improved Christmas tree quality. Amer. Christmas Tree J. 10(1):20-22. Feb.1966. 99.9 C46
- 45511 YAMAWAKI, S., and others. Performances of brush cutters. (Ja) Jap. Forest Exp. Sta. Bull. 183:1-130. Ref. Dec.1965. 99.8 R47
K. Mimura, O. Hiramatsu, and M. Shishiuchi, joint authors.
English summary.
- 45512 YUDELEVICH, M., and others. Parcelas experimentales y demostrativas de raleos; establecimiento en plantaciones de pino insignie [Experimental and demonstration plots for thinning; established in plantations of insignis pine [Pinus radiata]]. Santiago de Chile. Inst. Forest. Inform. Tec. 17,40 p. July 1965. 99.9 Sa531
N. T. Samson, T. Balaguer, N. Smith, J. Ohme, E. Munoz, and J. Rodriguez, joint authors.
- 45513 ZHILKIN, B. D. Use of lupine to increase forest productivity and to shorten the cultivation time. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:372-381. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:19. July 1965. Film S-203
- 45514 ZOLOTUKHIN, G. K. Methods for removal of logging slash without burning and their managerial-ecologic expediency in pine-broad-leaved forests of the Far East. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:56-71. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:14. Oct.1965. Film S-203
- Regeneration and Breeding**
- 45515 AKHROMEIKO, A. I. Physiological basis of culture of fast growing forest species. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964:328-338. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45516 AKIYAMA, T. Labor control plan for the large-scale reforestation of Miyazaki Prefecture. (Ja) Forest Econ. 18(4):6-9. Apr.1965. 99.8 R474
- 45517 BAIDALINA, N. A. First experiment in organization of studies on forest physiology in Democratic Republic of Vietnam. (Rus) Problemy Ekologii i Fiziologii Lesnykh Rastenii 2:37-60. 1964. (Not in NAL)
Erythrophloeum fordii and Manglietia glauca.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:3. Sept.1965. Film S-203
- 45518 BAITALA, V. D. Seed production and selection as biological basis of increased productivity of forests. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:19-23. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:26. July 1965. Film S-203
- 45519 BANNISTER, M. H. Variation in the breeding system of Pinus radiata. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.353-374. Ref. 1965. QH371.15
Spontaneous regeneration in New Zealand. Includes discussion.
- 45520 BATSENKO, A. A. Seasonal development of Siberian larch in Khakasia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:112-122. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:8. Oct.1965. Film S-203
- 45521 BESKARAVAINYI, M. M. Interspecific hybridization and remote grafting of coniferous and other exotic woody plants for establishment of ecologically resistant and heterotic forms. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:140-149. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:7. Sept.1965. Film S-203
- 45522 BETHUNE, J. E., and LANGDON, O. G. Seed source, seed size, and seedling grade relationships in south Florida slash pine. J. Forest. 64(2):120-124, map. Ref. Feb.1966. 99.8 F768
- 45523 BISSELL, L. P., and DINNEEN, W. R. Planting balsam fir for Christmas trees. Amer. Christmas Tree Growers' J. 9(3):56-57. Aug. 1965. 99.9 C46
- 45524 BOZRIKOV, V. V., and NERUBASHCHENKO, V. G. Protective reforestation in northern and western Kazakhstan. (Rus) In Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965:34-39. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965. Film S-203
- 45525 BRANDT, K. Report on the work of the Forest Seed Center of the Danish Heath Society [Hedeselskabets Skovfocentral]. (Da) Dansk Skovfor. Tidsskr. 50(8):319-336. Aug.1965. 99.8 D23
Production of Coniferae seeds and Coniferae breeding.
- 45526 BUCHHOLZ, G., and MAYDELL, H. J. VON. Aufforstungen in den ariden Gebieten der Sowjetunion; Bericht über russische Erfahrungen seit 1841 [Reforestation in the arid regions of the Soviet Union; report of Russian experiments since 1841]. Bundesforschungsanst. Forst-Holzwirtsch. Mitt. 59,182 p., map. Ref. 99.9 R273
Bibliography, p.137-156.
- 45527 BUKSHTYNOV, A. D., and ANISIMOV, P. M. Survival of advance growth after cuttings executed according to various technological schemes. (Rus) Lesoeksploatatsiya i Lesnoe Khozyaistvo. Tekhnicheskaya Informatsiya 8:3-5. 1965. (Not in NAL)
Spruce.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:15. Aug.1965. Film S-203
- 45528 BURK, C. J. Segregation in three generations of progeny of the hybrid oak Quercus x rudkini (Q. marilandica x Q. phellos). Elisha Mitchell Sci. Soc. J. 81(1):50-53. Ref. May 1965. 500 EL4
- 45529 CHACKO, V. J. Designs for forestry spacing and thinning experiments. Indian Forest. 92(1):61-69. Jan.1966. 99.8 In2
- 45530 CHERNYAK, E. F. Work of forest tree breeding stations in right bank area of Ukraine. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:64-67. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:31. Aug.1965. Film S-203

- 45531 CHERSTVIN, V. A. Storage of seeds of woody plants. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevesnykh porod* 1964:226-236. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:24. Aug.1965. Film S-203
- 45532 CHIRA, E. Development of the pollen of Scotch pine and some other introduced pine varieties. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(6):595-604. June 1965. 99.9 C334
English summary.
- 45533 CHOPENKO, V. F. Planting date for seedlings in Sakhalin area. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozaystva. Sbornik Trudov 6:399-402. 1964. 99.9 D162
Dahurian larch and *Picea ajanensis*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:24. Sept.1965. Film S-203
- 45534 CHUGUNOV, I. E. Growth and development of oak plantings under various conditions of relief. (Rus) In *Introduktsiya Rastenii* 1964:28-39. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:29. Aug.1965. Film S-203
- 45535 CHUO RINGYO SODANJO. Nippon ringyo no geinryo. II. Zorin hobo [The present situation of Japanese forestry. II. Reforestation and protection]. Tokyo, Chikyū Shuppan Kabushiki Kyokai, 1965. 204 p. 99.26 C472
- 45536 CIUMAC, G. Some morphological features of the leaves of oak and sessile oak during the first two years of the vegetative period. (Rum) Rev. Padurilor 80(9):484-487. Sept.1965. 99.8 R327
Quercus robur and *Q. sessiliflora*.
- 45537 CLAUSEN, K. E. Yellow [*Betula alleghaniensis*] and paper birch [*Betula papyrifera*] seeds germinate well after 4 years' storage. U. S. Forest Serv. Res. Note LS-69, 2 p. Oct.1965. A99.9 F7624
- 45538 DADYKIN, V. P. Plant physiology and silviculture. (Rus) Problemy ekologii i fiziologii lesnykh rastenii 2:17-36. Ref. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:1. Aug.1965. Film S-203
- 45539 DANYLEVS'KYI, O. P. Results of studies on field-protective afforestation. (Uk) Umanskii Sil's'kohospodars'kyi Instytut. Naukovi Pratsi 14:223-229. 1964. 20 Um1P
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:28. Sept.1965. Film S-203
- 45540 DAVIES, E. J. M. Dappled shade work with Sitka spruce. Scot. Forest. 20(1):52-55. Jan. 1966. 99.8 Sco3
Planting.
- 45541 DAVYDOVA, N. I. Seed and vegetative progeny of oak plus-trees. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod* 1964:112-116. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:22. Oct.1965. Film S-203
- 45542 DIMITROVSKY, K. Reforestation of the areas of coal mining and industrial activity. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(6):549-566. Ref. June 1965. 99.9 C334
English summary.
Strip-mined areas.
- 45543 EFREMOV, D. F. Root system of Kurile larch [*Larix kurilensis*] in Kamchatka. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. Seriya Biologo-Meditsinskikh Nauk 8(2):48-56. 1964. 442.9 Ak125
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:12. July 1965. Film S-203
- 45544 ELK, B. C. M. VAN. Grafting of beech [*Fagus sylvatica*]. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:61-62. 1965. 86 B65
- 45545 ELK, B. C. M. VAN. Grafting of birches. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:60-61. 1965. 86 B65
- 45546 ELK, B. C. M. VAN. Grafting of oak [*Quercus robur*]. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:64-65. 1965. 86 B65
- 45547 ELK, B. C. M. VAN. Grafting of *Picea breweriana*. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:65-67. 1965. 86 B65
- 45548 ELK, B. C. M. VAN. Propagation of *Meta-sequoia glyptostroboides* with cuttings. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:31. 1965. 86 B65
- 45549 ERPERT, S. D. Field-protective afforestation of semi-desert area of northwestern Caspian region. (Rus) Les. Khoz. 9:39-43. Sept.1965. 99.8 L5622
- 45550 ESIPOV, I. K. Selection of poplars in the Poltava Region. (Rus) In *Selektsiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod* 1964:68-70. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:28. Aug.1965. Film S-203
- 45551 FARMER, R. E. Rooting dormant cuttings of mature cottonwood. J. Forest. 64(3):196-197. Mar.1966. 99.8 F768
Populus deltoides.
- 45552 FLYAGINA, I. A. Characteristics of natural regeneration of cedar under forest cover. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23:91-96. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:15. Aug.1965. Film S-203
- 45553 FROYSTAD, B. Planting of trees and shrubs as shelterbelt; a brief report on the theoretical and practical basis. (No) Ny Jord 52(4):138-143. Aug.1965. 282.28 N98
- 45554 GAAS, A. A. Survival and causes of mortality of advance growth of coniferous trees after fellings. (Rus) Vostochno-Sibirskii Nauchnyi i Proektnyi Institut Lesnoi i Derevoobrabatyvayushchei Promyshlennosti. Trudy 1964:68-75. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:4-5. Aug.1965. Film S-203
- 45555 GALUSHKO, A. M. Mineral composition of beech leaves. (Rus) Moscow. Gosudarstvennyi Pedagogicheskii Institut im. V. I. Lenina. Uchenye Zapiski 212:33-36. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:11. Oct.1965. Film S-203
- 45556 GANYUSHKINA, L. G. Use of gibberellins for seedlings and transplants of woody plants in Karelian ASSR. (Rus) Petrozavodsk. Universitet. Uchenye Zapiski 12(3):40-42. 1964. (Not in NAL)
Betula, *Pinus* and *Spiraea japonica*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:22. Sept.1965. Film S-203
- 45557 GERASIMENKO, P. I. Best companion species for oak in steppe afforestation. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasa-zhdenii* 1964:66-69. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:30-31. Sept.1965. Film S-203
- 45558 GILMOUR, J. R., and KONISHI, J. Scarification in the spruce-alpine fir type of the Prince George Forest District; preliminary evaluation of methods and resulting regeneration. Brit. Columbia. Forest Serv. Forest Manage. Div. Forest Manage. Notes 4, 21 p., map. Ref. July 1965. 99.9 B7782

- 45559 GLOBA-MIKHAILENKO, D. A. Acclimatization and establishment of cork-oak in Caucasus. (Rus) Sochinskaya Nauchno-Issledovatel'skaya Opytnaya Stantsiya Subtropicheskogo Lesnogo i Lesoparkovogo Khozaystva. Sbornik Trudov po Zelenomu Stroitel'stvu 2:35-65. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:11. Oct.1965. Film S-203
- 45560 GOLOVASHCHENKO, V. P. Use of petroleum growth substance in pine culture. (Rus) Lesovodstvo i Agrolesomeliatsiya 2:103-106. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:25. Sept.1965. Film S-203
- 45561 GOLOVCHANSKII, I. N. To the problem of varietal testing of poplars. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:49-59. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:28. Aug.1965. Film S-203
- 45562 GONCHARENKO, G. A. Biological peculiarities of oak flowering. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:117-124. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:9. Sept.1965. Film S-203
- 45563 GORDIENKO, I. I. Introduction of *Pinus pinaster* and *Alnus incana* on Oleshskie sands. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:196-204. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:30. Sept.1965. Film S-203
- 45564 GROSE, R. J. Germination responses of seeds of Victorian eucalypts. Victoria. Forest Comm. Forest. Tech. Pap. 16:9-20. Nov.1965. 99.9 V66F
- 45565 GUSEINOV, I. D. Selection of willows, quickly growing and resistant to drought. (Rus) Les. Khoz. 9:47-51. Sept.1965. 99.8 L5622
- 45566 HAGNER, S. Cone crop fluctuations in Scots pine and Norway spruce; an investigation based on the cone counts carried out by the National Forest Survey in the years 1954-1962 and on the reports submitted by Forest Service rangers on the cone setting in the years 1909-1961. Stud. Forest. Suecica 33,21 p. 1965. 99.8 St9
- 45567 HAYASHI, T. Fundamental studies on the sugi tree (*Cryptomeria japonica* D. Don) raised from seedlings of different regions of Japan. II. On rooting of cuttings and their growth. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):253-279. Mar.1965. 22.5 M6932B
English summary.
- 45568 HEIT, C. E. Tips on growing healthy, vigorous conifer seedlings and transplants. Amer. Christmas Tree J. 10(1):11-15. Feb.1966. 99.9 C46
- 45569 HOCHHAUSER, H. Change in the landscape in the age of technology. (Ge) Allg. Forstz. 20(2): 843-846,848, map. Dec.18,1965. 99.8 AL52
Chiefly reforestation in the lignite area of the Rhine.
- 45570 HOLUBCIK, M. Natural regeneration of giant fir (*Abies grandis* Lindl.) and Balkan pine (*Pinus peuce* Griseb.) at Kysihybl. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(4):379-392. Apr.1965. 99.9 C334
English summary.
- 45571 HORTON, K. Do loggers worry about re-growth? Can. Pulp Pap. Indus., Jan.1966:32-34. 37. 302.8 W52
Regeneration methods.
- 45572 HORVATH, MRS. L. I. Experiments for developing a planting drill suitable for Hungarian conditions. (Hu) Erdo 15(2):68-72. Feb.1966. 99.8 Er22
German summary.
- 45573 ISHIZAKI, A. Morphological, physiological and silvicultural characteristics of some important varieties of *Cryptomeria japonica* D. Don in Kyushu. (Ja) Jap. Forest Exp. Sta. Bull. 180, 303 p. July 1965. 99.8 R47
English summary.
Bibliography, p.293-298.
- 45574 IVANOVA, I. T. Methods for calculation of natural regeneration under forest canopy. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23:83-90. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:14. Aug.1965. Film S-203
- 45575 IWAKAWA, M., and WATANABE, M. Artificial germination of pine pollen. (Ja) Jap. Forest Exp. Sta. Bull. 173:67-80. Ref. Feb.1965. 99.8 R47
English summary.
- 45576 JOHNSON, A. G., PAULEY, S. S., and CROMMELL, W. H. Dwarf seedlings from witches' brooms in jacks pine [*Pinus banksiana*]. II. Minn. Forest. Notes 163,2 p. Apr.15,1965. 99.8 M662
- 45577 JOVANCEVIC, M. Basic principles of the breeding of forest trees in Czechoslovakia. (Se) Nar. Sumar 19(5/6):200-207. May/June 1965. 99.8 N16
- 45578 KADLUS, Z. Biological properties of silver fir, Norway spruce and beech in the stage of regeneration. (Cz) Lesnicka Prace 44(12): 485-489. Dec.1965. 99.8 L56
- 45579 KASTSYUKEVICH, M. I., and MANUKOVA, K. V. Study of temperature of growing trees in a stand. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 4:23-29. 1964. 442.8 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:8. July 1965. Film S-203
- 45580 KHURSHUDYAN, P. A. Some problems of reforestation of bottom lands in the area of the Sevan Lake. (Rus) Vsesoyuzn. Bot. Obshch. Prob. Bot. 7:103-109. 1965. 451.1 V962
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:24. Sept.1965. Film S-203
- 45581 KING, J. P., NIENSTAEDT, H., and MACON, J. Super-spruce [*Picea glauca*] seedlings show continued superiority. U. S. Forest Serv. Res. Note LS-66,2 p. Oct.1965. A99.9 F7624
- 45582 KNYAZEVA, L. A. Water supply for forest stands in dry steppe area. (Rus) Les. Khoz. 9:43-46. Sept.1965. 99.8 L5622
In soil.
- 45583 KOBAK, K. I. Some problems of supply of carbon dioxide for forest biogeocoenoses. (Rus) Problemy ekologii i fiziologii lesnykh rastenii 2:61-98. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:3. Aug.1965. Film S-203
- 45584 KOKHNENKO, M. A. Experience in regeneration of European alder in the Teteriv forest plantation. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:33-40. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:15. Aug.1965. Film S-203
- 45585 KONOVALOV, N. A. Selection of fast growing trees in middle Ural area. (Rus) In Povyshenie produktivnosti i sokhrannosti lesov 1964: 339-341. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:29. July 1965. Film S-203
- 45586 KONOVALOV, N. A., and LUGANSKAYA, V. D. Some results of preplanting treatment of seeds of *Larix sukaczewii*. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:181-183. 1964. (Not in NAL)
Effect on germination.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:22. Oct.1965. Film S-203

- 45587 KOTOV, V. Effective method of establishment of forest belts. (Rus) Kuibyshevskoe Oblastnoe Nauchno-Tekhnicheskoe Obshchestvo Lesnoi Promyshlennosti i Lesnogo Khozyaistva. Sbornik Materialov Nauchno-Tekhnicheskoi Informatsii 2:52-60. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:29. Sept.1965. Film S-203
- 45588 KOZLOWSKI, T. T., and CLAUSEN, J. J. Influence of various herbicides on needle structure of young red pines [Pinus resinosa]. Forest. Res. Notes 126,4 p. June 1965. 99.8 F76292
- 45589 KRASNITSKII, A. M. Layers of oak as a special feature of its biology. (Rus) Bot. Zhur. [Moscow] 50(11):1604-1611. Ref. Nov.1965. 451 R923
Propagation.
- 45590 KRASOV, L. I. Study of resistance of forest trees and shrubs to fungus diseases. (Rus) In Introduktsiya rastenii 1964:64-73. (Not in NAL)
Recommended varieties for reforestation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:7. Oct.1965. Film S-203
- 45591 KRUSHEV, L. T. Resin canals of pine buds and shoots. (Rus) Vsesoyuzn. Bot. Obshch. Belorusskoe Otd. Bot. Issled. 6:213-221. 1964. 451 V967
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:12. July 1965. Film S-203
- 45592 KRYUKOVSKII, F. V. Mechanized planting of stands in gullies and ravines. (Rus) Gomel'. Belarusski Navukova-Dasledchy Instytut Lyasnoi Gaspadarki. Trudy 16:47-54. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:32. Sept.1965. Film S-203
- 45593 KURDYUK, M. G. Use of trees from arboreta and parks as source of exotic seeds. (Rus) In Seleksiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod 1964:214-217. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:26. Aug.1965. Film S-203
- 45594 LADEISHCHIKOVA, E. I. Effect of elements of mineral nutrition on hardness of Amur corktree. (Rus) In Lesovedenie i Lesovodstvo 1964:140-145. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:16. July 1965. Film S-203
- 45595 LADEISHCHIKOVA, E. I. Foliar application as means to increase hardness of planting stock of some valuable forest species. (Rus) In Seleksiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod 1964:237-242. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:25. Aug.1965. Film S-203
- 45596 LANTRATOVA, A. S., and GYUBIEVA, V. F. Application of heteroauxin in growing of Siberian larch. (Rus) Petrozavodsk. Universitet. Uchenie Zapiski 12(3):43-46. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:22. Sept.1965. Film S-203
- 45597 LANTRATOVA, A. S. Use of minor elements in growing Siberian pine. (Rus) Petrozavodsk. Universitet. Uchenie Zapiski 12(3):36-39. 1964. (Not in NAL)
Effect of seed treatment on development of seedlings.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:22. Sept.1965. Film S-203
- 45598 LAVRISHEVA, R. S. Resistance to salts of trees and shrubs growing on salty soils in the delta of Samara River. (Rus) Lesovodstvo i Agrolesomeliatsiya 2:132-136. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:27. Oct.1965. Film S-203
- 45599 LESTER, D. T., and REHEFELDT, G. E. Dwarf shoot proliferation in red pine. J. Forest. 64(2):125-126. Feb.1966. 99.8 F768
- 45600 LEVKINA, T. I. Effect of hydrogen-ion concentration and liming of forest nursery soils on seedlings of woody plants. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantssev v pitomnikakh 1964:203-211. (Not in NAL)
Pine, spruce and birch.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:21. Sept.1965. Film S-203
- 45601 LISEKOV, A. F., and STUPNIKOV, V. G. Basic problems in planning field crop protective belts under conditions of Siberia. (Rus) In Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri 1964:90-106. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965. Film S-203
- 45602 MAKHONINA, G. I. Distribution of radioisotopes of Fe⁵⁶, Co⁶⁰, Zn⁶⁵, Sr⁹⁰, and Cs¹³⁷ in pine, larch, aspen and birch. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 70(2):120-123. 1965. 511 M85
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:7. Sept.1965. Film S-203
- 45603 MAMAEV, S. A. Biological peculiarities of Scotch pine pollen from various regions of Ural. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 42:121-134. 1965. 442.9 Ak14
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:9. Oct.1965. Film S-203
- 45604 MANN, W. F., and BURNS, E. B. Small landowners can direct-seed too. Forests People 16(3):21,36,40. First Q.1966. 99.8 F7628
- 45605 MAVZHUDOV, A. A. Peculiarities of growth of young Celtis L. seedlings. (Rus) Uzbek. Biol. Zh. 1:39-41. 1965. 442.8 Uz1
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:10-11. Aug.1965. Film S-203
- 45606 MCVEAN, D. N. Establishment of native trees and shrubs on Scottish nature reserves by direct seed sowing. Scot. Forest. 20(1):26-36. Ref. Jan.1966. 99.8 Sco3
- 45607 MIGUNOVA, E. S. Selection and introduction of trees on salty soils of Ukraine. (Rus) In Seleksiya, introduktsiya i semenovodstvo drevesnykh lesnykh porod 1964:222-225. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:27-28. Oct.1965. Film S-203
- 45608 MIKOLA, P. Significance of the undergrowth in reforestation. (Fi) Metsataloudellinen Aikakauslehti 83(1):4-7,16. Jan.1966. 99.9 F49
English summary.
- 45609 MOSIN, V. I. Determination of growth intensity of sprouts by gravimetric method. (Rus) Vest. Sel'skokhoz. Nauki [Alma-Ata] 2:58-62. 1965. 20 Ak16
Forest woody plants.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:22. Sept.1965. Film S-203
- 45610 MRACEK, Z. The number of seedlings per hectare in planted forests. (Cz) Lesnicka Prace 44(7):308-310. July 1965. 99.8 L56
- 45611 NADEZHGIN, V. V. Extension of vegetation and the growth period of different varieties and ecotypes of Larix in Moscow Region. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:511-519, map. 1964. 20 M857
- 45612 NAKAI, I., ISA, G., and HASHIMOTO, E. On the growth of foreign pines at Kamigamo Forest of Kyoto University. (Ja) Kyoto Univ. Forests. Rep. 8(8):1-34, map. Ref. Mar.1965. 99.9 K992E

- 45613 NAKANO, M., and SUGAWARA, S. Research on planting at various elevation above sea level. II. Height growth of *Larix gmelini* var. *japonica* and silvicultural significance at various elevation above sea level. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:59-68, map. Ref. 1965. 99.9 J2724A
English summary.
- 45614 NANDA, K. K., and PUROHIT, A. N. Effect of gibberellin on forest plants. I-II. Indian J. Plant Physiol. 7(1/2):35-47, 57-70. Ref. 1964. 450 In23
Growth in seedlings of *Salmalia malabarica*.
- 45615 NIKITIN, I. A. Natural regeneration of larch on eroded soils. (Rus) Lesovodstvo i Agrolesomeliorsiya 2:86-92. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:15. Aug. 1965. Film S-203
- 45616 NIKITIN, K. E. Growth of pine in pure and mixed culture with oak in the area of Ukrainian Polesye. (Rus) Lesovodstvo i Agrolesomeliorsiya 2:68-71. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:25. Sept. 1965. Film S-203
- 45617 ODEGAARD, M. L. Planting of shelterbelts on the fields of the Society New Land [Selskapet Ny Jord] in North-Norway. (No) Ny Jord 52 (4):160-162. Aug. 1965. 282.28 N98
- 45618 OESCHGER, H. J. Growth of green Douglas fir [*Pseudotsuga taxifolia viridis*] on extreme sites. (Ge) Allg. Forstz. 21(5):79-81. Jan. 29, 1966. 99.8 AL52
- 45619 OKSBJERG, E. Growth of Norway spruce on wind eroded heath areas. (Da) Dansk Skovfor. Tidsskr. 51(2):36-57. Ref. Feb. 1966. 99.8 D23
- 45620 ONIS'KIV, N. I. Selection of species for establishment of mixed spruce stands in mountain areas of the Lvov Region. (Rus) Lesovodstvo i Agrolesomeliorsiya 2:93-102. 1965. (Not in NAL)
Includes planting.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:26. Sept. 1965. Film S-203
- 45621 PANTSCHAVA, A. D. Carpological forms of some oak varieties growing in Georgian SSR. (Rus) Tiflis. Institut Lesa. Trudy 13:141-156. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:10-11. Oct. 1965. Film S-203
- 45622 PATLAI, I. N. Effect of seed origin on growth and resistance of pine provenances cultivated in Krasno-Trostanets Forest Experiment Station [Krasno-Trostanets Lesnaya Opytnaya Stantsiya]. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:182-195. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:8. Sept. 1965. Film S-203
- 45623 PAULEY, S. S., KHALIL, M. A. K., and CROMMELL, W. H. NC-51 Scots pine seed source tests in Minnesota. I. Minn. Forest. Notes 162, 2 p. Apr. 15, 1965. 99.8 M662
- 45624 PAVLENKO, F. A. Breeding of filbert trees. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:35-39. (Not in NAL)
As forest species.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:31. Aug. 1965. Film S-203
- 45625 PCHELINA, N. N. Vegetative and seed progeny of poplar plus trees. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:71-75. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:22. Oct. 1965. Film S-203
- 45626 PISKORIC, O. Dynamics of the growth of propagating shoots of *Fraxinus ornus* L. and *Quercus pubescens* Wild. (Se) Nar. Sumar 19 (5/6):163-168. May/June 1965. 99.8 N16
German summary.
- 45627 PITIKIN, A. I., and LUTSAI, M. S. Effective method of reconstruction of young stands of little value. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:402-406. 1964. 99.9 D162
By planting of Korean pine.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:15. Sept. 1965. Film S-203
- 45628 PRAVDIN, L. F. Immediate tasks of scientific investigations and practice in the field of forest genetics and selection in Siberia. (Rus) In Seleksiya drevesnykh porod v Vostochnoi Sibiri 1964:5-19. Ref. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:2. July 1965. Film S-203
- 45629 PRILUTSKAYA, S. N. Propagation by cuttings of pine and larch for establishment of seed plantations. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:125-132. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:19-20. Sept. 1965. Film S-203
- 45630 PROKAZIN, E. P. Effectiveness of seed orchards for coniferous species and new developments in their management. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:133-139. (Not in NAL)
Chiefly propagation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:22. Aug. 1965. Film S-203
- 45631 PRYOR, L. D. Report to the Government of Libya on aspects of afforestation with particular reference to Eucalyptus. Food. Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1863, 8 p. 1964. 281.9 F733E
Planting.
- 45632 PYATNITSKII, S. S. Forest regeneration under conditions of left bank area of forest-steppe region of Ukraine. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45 (83):3-23. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:14-15. Aug. 1965. Film S-203
- 45633 PYATNITSKII, S. S. Organization of elite seed production of forest woody plants. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83):81-93. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:19. Sept. 1965. Film S-203
- 45634 PYATNITSKII, S. S. Present state and outlook for selection and seed production of woody plants in Ukraine. (Rus) In Seleksiya, introduksiya i semenovodstvo drevesnykh lesnykh porod 1964:3-18. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:19. Sept. 1965. Film S-203
- 45635 RAJKHOWA, S. Studies in mutual competition amongst forest seedlings. II. Indian Forest. 91(11):767-777. Nov. 1965. 99.8 In2
- 45636 RICHARDS, B. N., and FROM, F. R. Effect of ammonium nitrate and lime on germination and early growth of *Pinus caribaea*. Australian Forest. 29(4):263-274. Ref. Dec. 1965. 99.8 Au74
- 45637 RONKONEN, N. I. Growing conditions and natural regeneration in forests of southern Karelia under basic cutting systems. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh 1964:33-48. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:14-15. Oct. 1965. Film S-203
- 45638 SAFAR, J. Problem of dying firs and the art of forest management in the mountains of Macelj. (Se) Sumarski List 89(1/2):1-16. Jan./Feb. 1965. 99.8 Su6
German summary.
Chiefly effect of microclimate.

- 45639 SALYAEV, R. K., DYRENKOV, S. A., and VERESOVA, Z. A. Effect of local organic and mineral fertilizers on nitrogen and phosphorus nutrition and growth of one-year old pine seedlings. (Rus) In *Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh* 1964:212-223. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:23. Oct.1965. Film S-203
- 45640 SALYAEV, R. K., VERESOVA, Z. A., and VESELOVA, L. P. Effect of minerals on growth and root nutrition of two-year old pine seedlings. (Rus) In *Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh* 1964:236-240. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:22. Oct.1965. Film S-203
- 45641 SANADA, M., and OSANAI, E. Effect of the augering method on tree planting. Observation on soil conditions and tree growth. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:21-31. 1965. 99.9 J2724A
English summary.
Abies sachalinensis studied.
- 45642 SASAKI, S., and KOZLOWSKI, T. T. Effect of herbicides on photosynthesis of red pine [Pinus resinosa] seedlings. Forest. Res. Notes 118, 3 p. Apr.1965. 99.8 F76292
- 45643 SAZONOV, I. N. Biological resistance of hole planted oaks in the forest steppe. (Rus) Agrobiologiya 5:728-737. Sept./Oct.1965. 20 Ag822
- 45644 SAZONOV, I. N. Methods of establishment of shelterbelts. (Rus) Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:49-65. (Not in NAL)
Chiefly planting of oak.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:29. Sept.1965. Film S-203
- 45645 SCHUTT, P. Breeding utilization of disease resistance of forest trees. (Ge) Forstarchiv 36(10):216-218. Ref. Oct.1965. 99.8 F7723
- 45646 SERDEL, J. Successful reforestation of sands of Southern Moravia. (Cz) Les [Bratislava] 21(5):146-148. May 1965. 99.8 L5632
- 45647 SEREDIN, V. I. Temperature of pine advance growth in areas differing in cutting systems. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83):120-128. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:5. Aug.1965. Film S-203
- 45648 SHAPOVALOV, A. A. Natural regeneration by seeds of European white birch in windbreaks of Kamennaya Steppe. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:252-261. 1965. 20 V91S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:27. Oct.1965. Film S-203
- 45649 SHEPHERD, F. W. The provision of living and artificial shelter. Sci. Hort. 18:85-95. 1964/65. 84 H78
Windbreak planting and construction of fences.
- 45650 SHESTOPEROV, G. P., ZAK, G. A., and IVANNIKOVA, L. G. Some data on conrescence of roots of oak trees planted by hole method. (Rus) Kuibyshev. Sel'skokhozyaistvennyi Institut. Izvestiya 14:269-278. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:8. July 1965. Film S-203
- 45651 SHIRSHOVA, A. I., and SOSNIN, N. A. Tests with petroleum growth substance. (Rus) Les. Khoz. 9:52-53. Sept.1965. 99.8 L5622
Effect on rooting of poplar seedlings and growth of fruit seedlings.
- 45652 SHTEINIKOVA, V. I. Effect of gibberellins on growth of seedlings of some woody species from the Far East. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:96-102. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:21. Sept.1965. Film S-203
- 45653 SHUBIN, V. I. Effect of loosening of denuded mineral horizon of soil on rooting and growth of forest tree seedlings. (Rus) In *Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh* 1964:104-117. (Not in NAL)
Pine and spruce.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:24. Sept.1965. Film S-203
- 45654 SHUSTOV, V. S. Relationship between oak and ash trees in planted stands. (Rus) Ul'yanovskii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski 19(4):30-53. 1964. (Not in NAL)
Effects on mutual development.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965. Film S-203
- 45655 SINDELAR, J. Possibilities for planting larch in the Krusne Hory area. (Cz) Lesnicka Prace 44(7):322-326. July 1965. 99.8 L56
Includes provenance.
- 45656 SITHOLEY, R. V. Notes on the behaviour of seedlings of some temperate trees grown at Lucknow. Indian Forest. 92(1):70-71. Jan. 1966. 99.8 In2
Effect of changed climatic environment.
- 45657 SKRIPKA, M. A., VASILYUK, V. K., and SHCHERBOVA, M. A. Tree-shrub species recommended for afforestation of slopes of rocky hills in the Vladivostok area. (Rus) Okhrana Prirody na Dal'nom Vostoke 2:75-92. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:31-32. Sept.1965. Film S-203
- 45658 SMIRNOVA, M. D. Effect of petroleum growth substance on germination energy and sprouting of trees and shrubs. (Rus) Akademiya Kommunal'nogo Khozyaistva. Nauchnye Trudy 33: 99-100. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:22. Oct.1965. Film S-203
- 45659 SMITH, L. F. Early flowering in longleaf pine. J. Forest. 64(3):198-199. Mar.1966. 99.8 F768
- 45660 SOKOLOV, N. O., and GANYUSHKINA, L. G. Effect of biologically active substances on seeds of Karelian birch and Japanese spirea. (Rus) In *Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh* 1964: 174-178. (Not in NAL)
Heteroauxin used.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:20. Sept.1965. Film S-203
- 45661 STAROVA, N. V. Selection and varietal testing of poplars in Ukraine. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:412-416. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:10. Oct.1965. Film S-203
- 45662 STOECKELER, J. H. Hexadecanol applied to foliage improves early field survival of pine planting on an droughty site. J. Forest. 64(3): 200-201. Mar.1966. 99.8 F768
Antidesiccant.
- 45663 SVETLISHCHEV, N. M. Planting density of pine for unit of area. (Rus) Les. Khoz. 9:21-22. Sept.1965. 99.8 L5622
In relation to consumption of water.

- 45664 TAFT, K. A. Hardwood tree improvement. Southern Lumberman 211(2632):167-169. Dec.15,1965. 99.81 So82
- 45665 TERENT'EV, V. G. Growth of European white birch on Chernozem soils of Transvolga area of Kuibyshev Region. (Rus) Mezhhoblastnaya Konferentsiya Pochvovedov i Agrokhimikov Srednego Povolzh'ya i Yuzhnego Urala. Sbornik Dokladov 3:225-227. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:31. Sept.1965. Film S-203
- 45666 THULIN, I. J. Informe al Gobierno de Mexico sobre un centro de Coniferas Mexicanas; mejoramiento de los arboles forestales y suministro de semillas [Report to the Government of Mexico on a Mexican Coniferae center; improvement of forest trees and provision of seeds]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1888,19 p. 1964. 281.9 F733E
- 45667 TIMOFEEV, V. P. Duration and growth energy of forest trees and stands during the regeneration period as condition for increase of their productivity. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99: 477-485. 1964. 20 M857
- 45668 TSILYURIK, A. V. Stump sprouts from aspen. (Rus) Lesovodstvo i Agrosomeliatsiya 2: 122-127. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:16. Aug.1965. Film S-203
- 45669 UVAROVA, N. I. Study of growth of Scotch pine provenances in Khekhtsirsk plantation of Khabarovsk Territory. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:387-399. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:8. Sept.1965. Film S-203
- 45670 U. S. FOREST SERV. 1965 report, forest and windbarrier planting and seeding in the U. S. Tree Planters' Notes 74,17 p. Dec.1965. 1.962 C5T71
- 45671 U. S. FOREST SERV. 1965 report, forest tree nurseries in the United States; location and ownership, name of resident nurseryman, trees shipped in fiscal year 1965. Tree Planters' Notes 75,36 p. Dec.1965. 1.962 C5T71 Directory.
- 45672 VACHNADZE, G. S. Effect of soil salinity on growth of trees under irrigated conditions of eastern Georgian SSR. (Rus) Tiflis Institut Lesa. Trudy 13:157-168. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:27. Oct.1965. Film S-203
- 45673 VAKHRAMEEVA, M. G. Morphogenesis of advance growth of Norway maple [Acer platanoides]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:503-510. 1965. 20 M857
- 45674 VARNELL, R. A., and BENNETT, F. A. Direct seeding on flatwood sites. Forest Farmer 25(5):8-9,21-22. Feb.1966. 99.8 F7692 Slash pine.
- 45675 VASILENOK, S. T., and MERTVISHCHEV, L. V. Effect of selection cuttings on regeneration and growth of forest stands in Yakutia. (Rus) Vostochno-Sibirskii Nauchnyi i Proektnyi Institut Lesnoi i Derevoobrabatvyayushchei Promyshlennosti. Trudy 11:35-48. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:15. Aug.1965. Film S-203
- 45676 VIBE, G. G. Effects of preplanting soil preparation on rooting and growth of cuttings of Populus deltoides missouriensis planted in summer on Solonetz soils. (Rus) Molotov. Universitet. Estestvennonauchnyi Institut. Izvestiya 14(7):35-39. 1964. 410.9 M73
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:28. Aug.1965. Film S-203
- 45677 VINCENT, G., and FER, F. Hybrids of the European and Japanese larch grown on the experimental plot at Litovel. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(4):367-378. Ref. Apr.1965. 99.9 C334
English summary.
Larix decidua and L. leptolepis.
- 45678 VLASOV, S. Oak growth in the zone of dry steppe of the Kuibyshev Region. (Rus) Kuibyshevskoe Oblastnoe Nauchno-Tekhnicheskoe Obshchestvo Lesnoi Promyshlennosti i Lesnogo Khozyaistva. Sbornik Materialov Nauchno-Tekhnicheskoi Informatsii 2:26-40. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:31. Sept.1965. Film S-203
- 45679 VOROB'EV, V. N. Fruitfulness of Siberian pine growing at different altitudes in northeastern Altai Mountains. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. Seriya Biologo-Meditsinskikh Nauk 3:86-90. 1964. 442.9 Ak125
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:23. Aug.1965. Film S-203
- 45680 VORONKOVA, E. N. Effect of carbon dioxide on seedlings of woody plants. (Rus) Les. Khoz. 9:16-19. Sept.1965. 99.8 L5622
In relation to photosynthesis.
- 45681 WERKHOVEN, C. H. E., SALISBURY, P. J., and CRAM, W. H. Germination and survival of Colorado spruce, Scots pine, caragana, and Siberian elm at four salinity and two moisture levels. Can. J. Plant Sci. 46(1):1-7. Jan.1966. 450 C16
Physiology of Picea pungens, Pinus sylvestris, Caragana arborescens and Ulmus pumila.
- 45682 YOSHIKAWA, K., and OKADA, Y. Studies on the genetics and breeding of local variety Tsushimamatsu in Japanese red pine (Pinus densiflora Sieb. et Zucc.). 1. The difference between character of seed and germination of each mother trees. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:77-101. Ref. Nov.1965. 99.9 K993
English summary.
- 45683 ZACHAR, D. Forest increment is possible and must be increased. (Cz) Les [Batislava] 21(7):193-197. July 1965. 99.8 L5632
Chiefly reforestation, acreage and protection.
- 45684 ZAVEDNYUK, V. F. Establishment of oak [Quercus robur] plantations resistant to pests and diseases. (Rus) Lesoekspluatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 5:4-5. 1965. (Not in NAL)
By planting resistant varieties.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:27. Sept.1965. Film S-203
- 45685 ZHUKOV, A. B. How to overcome backwardness of biological science. (Rus) Les. Khoz. 9:5-12. Sept.1965. 99.8 L5622
T. D. Lysenko and forest genetics.
- 45686 ZHULANOV, G. F. Harvesting date and processing of Scotch pine cones in Rostov Region. (Rus) Novocherkassk. Inzhenerno-Meliorativnyi Institut. Trudy 9:313-318. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:23. Aug.1965. Film S-203

Forest Protection and Damage

- 45687 ABBOTT, H. G. Mourning doves feed on white pine seed. J. Forest. 64(3):199-200. Mar. 1966. 99.8 F768
- 45688 BERGE, H. Air pollution in the Cologne area. (Ge) Allg. Forstz. 20(51/52):834,836-838, map. Dec.18,1965. 99.8 AL52
Includes effects on forests.
- 45689 CREMER, K. W. Effects of fire on seedshed from Eucalyptus regnans. Australian Forest. 29(4):252-262. Ref. Dec.1965. 99.8 Au74

- 45690 DIMITROVSKY, K. The effect of air pollution on forests located in the industrial lignite area. (Cz) *Lesnicka Prace* 44(7):314-316. July 1965. 99.8 L56
- 45691 EGANOV, K. V. Harmful effect of cattle grazing on vegetational cover in forests. (Rus) *Okhrana Prirody Gruzii* 1:119-124. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:1. Sept.1965. Film S-203
- 45692 FLEROV, B. V. Forecasting mass forest damage. (Rus) *Leningrad. Nauch.-Issled. Inst. Lesn. Khoz. Sborn. Nauch.-Issled. Rabot po Lesn. Khoz.* 8:273-279. 1964. 99.9 L545
In taiga zone.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:15. Sept.1965. Film S-203
- 45693 HATIAI, A. On the November disaster caused by winds. (Cz) *Les [Bratislava]* 21(6):169-173, map. June 1965. 99.8 L5632
Injuries to trees.
- 45694 KONSTANTINIDES, P. A need for greater protection of our forests. (Gre) *Dassika Chron.* 8(1):33-35. Jan.1966. 99.8 D23
- 45695 LYSGAARD, L. Direction of wind and windfall. (Da) *Dansk Skovfor. Tidsskr.* 51(2):58-65. Feb.1966. 99.8 D23
Forests.
- 45696 LYUBARSKII, L. V. Ways to improve sanitary conditions of forests of Far East. (Rus) *Dal'-nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov* 6:40-55. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:12. Aug.1965. Film S-203
- 45697 MATE, K., and BALSAY, E. Study of forest plantings of Hansag in view of the internal water situation of 1965. (Hu) *Erdo* 15(2):53-59. Feb.1966. 99.8 Er22
German summary.
Flood effects on poplar.
- 45698 OPPITZ, H. Protective fences from light wire net. (Cz) *Les [Bratislava]* 21(6):164-165. June 1965. 99.8 L5632
Against the wildlife.
- 45699 PLATZER, H. B. Fence types for heavy snow fall areas. (Ge) *Forstarchiv* 37(1):38-40. Jan. 1966. 99.8 F7723
- 45700 ROGERS, E. V. Rabbit control in woodlands. Great Brit. Forest. Comm. Booklet 14, 23 p. 1965. 99.9 G795B
- 45701 SHUSTOV, V. S. Causes of premature mortality of European ash on eastern border of its distribution. (Rus) *Ul'yanovskii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski* 19(4):54-71. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:11. Oct.1965. Film S-203
- 45702 SIMON, M. Data on water resistance of poplar seedlings. (Hu) *Erdo* 15(2):60-64. Feb.1966. 99.8 Er22
German summary.
Flood effect.
- 45703 STAHL, D. Ideas for purposeful protection against browse damages. (Ge) *Allg. Forstz.* 21(4):72. Jan.22,1966. 99.9 AL52
- 45704 STANISLAV, V. Damage to forests caused by floods. (Cz) *Lesnicka Prace* 44(12):516-517. Dec.1965. 99.8 L56
- 45705 STOCKER, G. Electric fencing for wallaby-proofing experimental areas in the Northern Territory. *Australian Forest Res.* 1(4):35. 1965. 99.8 Au76
- 45706 STOIKO, S. M. Causes of windfall and storm damages in Carpathian spruce forests and methods of their control. (Rus) *Les. Khoz.* 9:12-15. Sept.1965. 99.8 L5622
- 45707 SOVERSHAIEV, P. F., and ORLOV, F. B. Freezing off sprouts under conditions of Archangel Region. (Rus) *Lesoeeksploatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya* 6:9. 1965. (Not in NAL)
Forest species.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:23. Sept.1965. Film S-203
- 45708 TAKATOI, I., and others. Frost damage in forest trees. VII. Frost damage in seedlings of todo-fir (*Abies sachalinensis* Fr. Schm.) and akaezo-spruce (*Picea glehni* Mast.) planted in autumn 1963 in the Obihiro district. (Ja) *Hokkaido. Forest Exp. Sta. Annu. Rep.* 1964:69-89. Ref. 1965. 99.9 J2724A
T. Watanabe, U. Kamada, and J. Moriyama, joint authors.
English summary.
- 45709 TIMOFEEV, V. P. Forest damage and animal life. (Rus) *In Itogi eksperimental'nykh rabot v Lesnoi opytnoi dache TSKHA za 1862-1962 g.* 1964:482-492. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:9. July 1965. Film S-203

Fire

- 45710 ARTSYBASHEV, E. S. Use of aerial photography in aerial protection of forests from fires. (Rus) *Geograficheskoe Obshchestvo Soyuza SSR. Komissiya Aerofotos'emki i Fotogrammetrii. Doklady po Voprosam Aerofotos'emki* 1:11-13. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:18. Oct.1965. Film S-203
- 45711 COOPER, R. W. Wind movement in pine stands. *Ga. Forest Res. Counc. Ga. Forest Res. Pap.* 33, 3 p. Oct.1965. 99.9 G299G
In relation to forest fires.
- 45712 DEMMER, A. M. The fight against forest fires in the United States. (Fr) *Rev. Franc. Agr.* 11:49-59. Winter 1965/66. 281.8 R328
- 45713 FURYAEV, V. V. Burning of forests damaged by Siberian silkworm as forest fire prevention measure. (Rus) *Les. Khoz.* 9:54-56. Sept. 1965. 99.8 L5622
Dendrolimus sibiricus.
- 45714 GREEN, L. The search for a "fire resistant" plant in southern California. *Calif. Dep. Conserv. Div. Forest. Fire Contr. Exp.* 10, 12 p. Ref. Aug.1965. 99.9 C122Fi
Includes *Cistus* firebreak planting.
- 45715 GWINNER, M. W. Forest-fire danger as related to airmass in the Ouachita Mountains. *U. S. Forest Serv. Res. Note* SO-21, 4 p. 1965. A99.9 F7628U
Measurements from lookout towers.
- 45716 HUMPHREYS, F. R., and LAMBERT, M. J. Soil temperature profiles under slash and log fires of various intensities. *Australian Forest Res.* 1(4):23-29. 1965. 99.8 Au76
- 45717 KINGSTON, B. Erection of firetowers in Uganda. *Uganda. Forest. Dep. Tech. Note* 120, 5 p. Nov.1965. 99.9 Ug12Te
- 45718 LORBER, M. The danger of forest fires. (Cz) *Les [Bratislava]* 21(5):142-143. May 1965. 99.8 L5632
- 45719 MACTAVISH, J. S. Economics and forest fire control. *Can. Dep. Forest. Publ.* 1114, 19 p. 1965. 99.9 C1628P
- 45720 RYAN, P. W. An analysis of 1964 forest fires and fire danger in Georgia. *Ga. Forest Res. Counc. Ga. Forest Res. Pap.* 30, 44 p., map. June 1965. 99.9 G299G
- 45721 SARDINHA, A. M. Prevention, detection, and control of brush fires. (Por) *Gaz. Agr. Angola* 10(11):629-631, 636. Nov.1965. 24 G252

- 45722 STARODUMOV, A. M. Burning index as affected by weather for conditions of Khabarovsk Territory, Maritime Territory and Amur Region. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:176-185. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:17. Oct.1965. Film S-203
- 45723 VALENTINE, W. C. Where the woods burn. Forests People 16(3):26-28. First Q.1966. 99.8 F7628
- Forest Influences**
- 45724 BARRER, P. R. Gorse hedges give way to shelter belts in Canterbury. New Zeal. J. Agr. 112(1):54-55,57. Jan.1966. 23 N48J
- 45725 BERIASHVILI, I. V. Effect of forests on air ionization and on solar radiation. (Rus) Tiflis. Institut Lesa. Trudy 13:51-62. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:3. Sept.1965. Film S-203
- 45726 BERTUSH, M. B. Fruit trees used in field-protecting belts on lands of State Experimental Breeding Station in the name of V. F. Starchenko [Gosudarstvennaya Selektionsnaya Stantsiya im. V. F. Starchenko]. (Rus) In Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii 1964:70-81. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:30. Sept.1965. Film S-203
- 45727 HOGG, W. H. Measurements of the shelter effect of land-forms and other topographical features, and of artificial wind-breaks. Sci. Hort. 18:20-30. 1964/65. 84 H78
- 45728 HOGG, W. H. A shelter belt study—relative shelter, effective winds and maximum efficiency. Agr. Meteorol. 2(5):307-315. Oct.1965. 340.8 Ag8
- 45729 KLINTSOV, A. P. Accumulation and thawing of snow under various forest conditions in Sakhalin. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:158-166. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:4. Aug.1965. Film S-203
- 45730 KRYMOV, N. S. Effect of windbreaks on moisture and physical properties of western Caucasian Chernozems. (Rus) Novocherkassk. Inzhenerno-Meliorativnyi Institut. Trudy 9:328-331. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:26-27. Oct.1965. Film S-203
- 45731 LEBEDEV, V. Irrigation and reforestation. (Rus) Kuibyshevskoe Oblastnoe Nauchno-Tekhnicheskoe Obshchestvo Lesnoi Promyshlennosti i Lesnogo Khozyaistva. Sbornik Materialov Nauchno-Tekhnicheskoi Informatsii 2:41-51. 1964. (Not in NAL)
Windbreaks and their influences under irrigated conditions.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:29. Sept.1965. Film S-203
- 45732 MILOSERDOV, N. M. Selection of shrubs for windbreaks to control dust storms. (Rus) Les. Khoz. 9:46-47. Sept.1965. 99.8 L5622
- 45733 MITSCHERLICH, G., and others. Ecology and yield in pure and mixed stands. V. Relative humidity, evaporation and CO₂ content of the air. (Ge) Allg. Forst- Jagdzeitung 137(2):25-33. Ref. Feb.1966. 99.8 AL3
W. Moll, E. Kunstle, and P. Maurer, joint authors.
English summary.
- 45734 MORIC, A. Importance of forests for water management. (Cz) Les [Bratislava] 21(6):161-163. June 1965. 99.8 L5632
- 45735 MOZHEIKO, G. A. Effect of windbreaks on properties of Dark-Chestnut soils of southern Ukraine. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83):54-73. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:27. Oct.1965. Film S-203
- 45736 OLESEN, F. Shelterbelts in Denmark. (Da) Ny Jord 52(4):126-137. Aug.1965. 282.28 N98
- 45737 PTOTOPOPOV, V. V., and KULAGINA, M. A. Changes in chemical composition of precipitation under cover of larch-type forests in mountain areas. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:87-95. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:3. Oct.1965. Film S-203
- 45738 REINHART, K. G., and LULL, H. W. Manipulating forests for water. Amer. Forests 71(11):35-37,44. Nov.1965. 99.8 F762
Watershed research in West Virginia.
- 45739 RICH, L. R. Water yields resulting from treatments applied to mixed conifer watersheds. Ariz. Watershed Symp. Annu. Proc. 9:12-15. Sept.22,1965. 292.9 Ar425
- 45740 ROZHKOV, V. A., and KLINTSOV, A. P. Effect of land relief and forests on soil moisture of Sakhalin. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:249-260. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:3. Aug.1965. Film S-203
- 45741 SMIRNOV, A. V. Role of overmature forests of Central Siberia. (Rus) Les. Khoz. 9:19-21. Sept.1965. 99.8 L5622
Chiefly influences.
- 45742 STEPANETS, I. T. Forest shelter belts and the salt regime of the Dark-Chestnut soils. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:96-99. Jan.1966. 20 V633
English summary.
- 45743 TARANKOV, V. I. Importance of coniferous-broadleaved forests of southern Maritime Territory in water conservation. (Rus) Okhrana prirody na Dal'nom Vostoke 2:187-191. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 8:4. Aug.1965. Film S-203
- 45744 TARANKOV, V. I. Interception of precipitation by crowns of coniferous-broadleaved forest trees of southern Maritime Territory. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Dal'nevostochnyi Filial. Soobshcheniya 23:75-77. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:8. July 1965. Film S-203
- 45745 VARGINA, Z. K. Forests and protective windbreaks for control of soil erosion. (Rus) Okhrana Prirody Moldavii 3:78-83. 1965. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:28. Oct.1965. Film S-203
- 45746 VEKSHEGONOV, V. YA. Technics in establishment of field protective forest belts in dry steppes of northern Kazakhstan. (Rus) In Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965:30-33. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:25. Oct.1965. Film S-203
- 45747 VIK, E. Shelterbelt planting in More and Romsdal. (No) Ny Jord 52(4):154-159. Aug.1965. 282.28 N98
- Miscellaneous Forest Uses**
- 45748 BEARDSLEY, W. G., and DUNCAN, D. P. Camper reactions to fees and charges in Minnesota State parks. Minn. Forest. Notes 161, 2 p. Apr.15,1965. 99.8 M662

- 45749 BEARDSLEY, W. G., and DUNCAN, D. P. A study of private campgrounds in Minnesota. Minn. Forest. Notes 160,2 p. Apr.15,1965. 99.8 M662
- 45750 BEATY, W. M. Multiple use thoughts for your tree farm with an oil additive. Pacific Logging Congr. Loggers Handbook 25(sect.1):13,116,119. 1965. 99.76 P112La
- 45751 BERGE, H. The green tasks of a city director. (Ge) Allg. Forstz. 20(51/52):806. Dec.18,1965. 99.8 AL52
Suburban forests.
- 45752 BROOME, H. Mountain notebook, 1950. Living Wilderness 29(90):3-13. Autumn 1965. 410 L76
- 45753 CURTIS, J. D., and ELDER, F. S. Blue grouse feeding on planted ponderosa pine. J. Wildlife Manage. 29(1):199-200. Jan.1965. 410 J827
- 45754 DAVIS, R. K., and KNETSCH, J. L. Conflict in outdoor recreation. Amer. Forests 71(11):26-29,51,53. Nov.1965. 99.8 F762
Forests and land use.
- 45755 DEAN, R. E., and ARVOLA, T. F. Comments on "the forester and outdoor recreation." J. Forest. 64(3):202,204. Mar.1966. 99.8 F768
In reference to article by G. Sharpe.
- 45756 ERZ, W. Forest and wildlife in Central Africa. (Ge) Allg. Forstz. 21(7):130-131. Feb.12, 1966. 99.8 AL52
- 45757 FORREST, G. Multi-purpose land use in a forest park. Scot. Forest. 20(1):10-16. Jan. 1966. 99.8 Sco3
- 45758 GLASCOCK, H. R. Impact of recreation on timberland management. Consultant 10(2):12-14. Apr.1965. 99.8 C764
- 45759 GOULD, M. L. Wildlife habitat in western Oregon and Washington, and northwestern California forest, chiefly for blacktail deer and Roosevelt elk, 1930 to date; selected references. Portland. Oreg., U. S. Forest Serv., Pacific Northwest Forest Range Exp. Sta., 1965. 9 p. A241.73 G73
- 45760 GOULDING, C., and BLYTH, J. The first Norwegian forestry camp—July 1965. Arbor 4(2):10-11, map. 1965. 99.8 Ar17
- 45761 HOLUBOWICH, E. P. Camping in Canada. Ohio. State Univ. Short Course Roadside Develop. 24:12-20, map. 1965. 288.9 Oh3
National parks.
- 45762 HUNGERFORD, C. R. Response of Kaibab mule deer to reseeded forest and meadow. N. Amer. Wildlife Natur. Resources Conf. Trans., 30th Conf.:310-321., Ref. 1965. 412.9 N814
Includes discussion.
- 45763 HYDE, R. S. Outdoor recreation on industrial timberlands. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:31-32. 99.9 Am33Te
- 45764 ISHIN, YU. D. Conditions of some forest-park stands and tasks for their improvement. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:521-525. 1964. 20 M857
Suburban.
- 45765 JAHN-DEESBACH, W. Management of game browse areas. (Ge) Allg. Forstz. 21(8):140-141. Feb.19,1966. 99.8 AL52
- 45766 JORDAN, J. S., HAGAR, D., and STITELER, W. M. Deer-browse production and timber-stand improvement in northern hardwoods. N. Amer. Wildlife Natur. Resources Conf. Trans., 30th Conf.:296-305. 1965. 412.9 N814
Includes discussion.
- 45767 KING, D. A. Characteristics of family campers using the Huron-Manistee National Forests. U. S. Forest Serv. Res. Paper LS-19, 11 p., map. Sept.1965. A99.9 F7624U
Michigan.
- 45768 KLEBENOW, D. A. A montane forest winter deer habitat in western Montana. J. Wildlife Manage. 29(1):27-33. Jan.1965. 410 J827
Includes browse.
- 45769 LUCAS, R. C., and SCHWEITZER, D. L. Out-door recreation surveys: length-of-stay bias and its correction by computer. U. S. Forest Serv. Res. Note LS-68,2 p. Oct.1965. A99.9 F7624
- 45770 LUCAS, W. M. Out-door recreation and timber management. Consultant 10(2):15-17. Apr.1965. 99.8 C764
- 45771 METCALFE, V. Wildlife and multiple use. Amer. Forests 71(11):30-31,40,43, map. Nov. 1965. 99.8 F762
The U.S. Forest Service activity in Alaska.
- 45772 MURPHY, D. A., and EHRENREICH, J. H. Effects of timber harvest and stand improvement on forage production. J. Wildlife Manage. 29(4):734-739. Oct.1965. 410 J827
In Missouri.
- 45773 NAKATA, I., and others. On the grazing type of undergrowth in the young artificial forest. (Ja) Hokkaido. Forest Exp. Sta. Annu. Rep. 1964:145-175. 1965. 99.9 J2724A
T. Kaminaga, C. Yokoyama, and Y. Sibata, joint authors.
English summary.
- 45774 OFFNER, H. Recreation problems of a concentrated area. (Ge) Allg. Forstz. 20(51/52):804-805. Dec.18,1965. 99.8 AL52
Creation of recreation area in the forest around Cologne.
- 45775 RINEY, T. Rapport au Gouvernement de la Tunisie sur les possibilites d'utilisation de la faune sauvage dans les zones forestieres [Report to the Government of Tunisia on possibilities of using wild fauna in forest zones]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1983,21 p. 1965. 281.9 F733E
- 45776 SCHMEDEMANN, I. W. Outdoor recreation. Great Plains Agr. Council. Proc. 1965:55-73. 282.9 G7992
State parks in Texas.
- 45777 SCHMITZ, W. A. Camping on the interstate system. Ohio. State Univ. Short Course Roadside Develop. 24:7-11, map. 1965. 288.9 Oh3
State parks, forests, and national forests in Wisconsin.
- 45778 TAKAHAGI EXPERIMENTAL STATION. Studies on management of forest grazing. 4. Sheep grazing in charcoal hardwood forest in Fukushima Prefecture. (Ja) Jap. Forest Exp. Sta. Bull. 173:1-43, map. Feb.1965. 99.8 R47
English summary.
- 45779 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Gifford Pinchot National Forest, 1905-1965; sixty years of multiple use management. Vancouver, Wash., 1966. 34 p., map. A99.9 G36

FOREST INDUSTRIES AND TRADE

- 45780 BENSON, R. E. Export of Christmas trees from Montana in 1964. U. S. Forest Serv. Res. Note INT-38,4 p. 1965. A99.9 F764Un
- 45781 EDAMATSU, N. Forest industries in Taiwan. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(161):1-6. June 1965. 99.9 As12S
- 45782 FRICKE, C. W. H. The export of stacked timber, slab and chips. (Ge) Holz-Zentralbl. 92(19):375-376. Feb.14,1966. 99.81 H742
- 45783 ICHIKAWA, M. Trends in the importation of foreign timber during the last several years. (Ja) Forest Econ. 18(2):29-48. Feb.1965. 99.8 R474
- 45784 IHATA, Y. The present situation and future of foreign woods importation. (Ja) Wood Indus. 21(2):2-8. 1966. 99.82 M72
- 45785 LI, S. F. A guide to the Taiwan Forest Exhibition House. (Ch) Tai-wan Ts'ai Kung Yeh 35:14-17. Mar.1965. 99.8 T133

- 45786 MATSUO, T. Imported wood important factor in Japan. *World Wood* 6(5):3-4. Oct.1965. 99.8 W89
- 45787 MIYAHARA, Y. Some problems in the importation of foreign timber. (Ja) *Forest Econ.* 18(2):1-10. Feb.1965. 99.8 R474
- 45788 OTA, K. How the importation of foreign timber affects domestic forestry. (Ja) *Forest Econ.* 18(2):11-16. Feb.1965. 99.8 R474
- 45789 SHIGESAWA, S. The wood trade situation in Great Britain and products made in Japan. (Ja) *Wood Indus.* 20(6):2-5; (7):11-15. 1965. 99.82 M72
- 45790 SHINNERS, J. R. Status of forest industries radio. *Amer. Pulpwood Ass. Tech. Pap.*, Oct. 1965:14-15. 99.9 Am33Te
- 45791 SIEGEL, W. C., and ROW, C. U. S. hardwood imports grow as world supplies expand. *U. S. Forest Serv. Res. Paper* SO-17,25 p.,map. Ref. 1965. A99.9 F7628Us
- 45792 SKOGBRUKETS OG SKOGINDUSTRIENES FORSKNINGSFÖRENING. *Arsberetning* [Annual report of the Forestry and Forest Industries Research Association], 1964, v. 17. Oslo, 1965. various paging. 99.9 Os52
- 45793 SZABO, D. Measuring the technical level of wood industry technology and its comparison with world level. (Hu) *Faipar* 15(12):351-364. Dec.1965. 99.82 F14
Includes discussion.
- 45794 TANIJIRI, S. Export promotion. (Ja) *Wood Indus.* 20(4):1. 1965. 99.82 M72
- 45795 VUCIJAK, S. Export of forest products and lumber industry during 1955-1962. (Se) *Nar. Sumar* 19(5/6):207-216. May/June 1965. 99.8 N16
- 45796 ZHELUDKOV, A. G. Possibilities and ways for economic utilization of forest resources. (Rus) *Les. Khoz.* 9:62-66. Sept.1965. 99.8 L5622
Forest and forest products industries.
- Lumbering and Logging
- 45797 ABOL', P. I. Testing of aggregated machinery. (Rus) *Les. Prom.* 2:6-9. Feb.1965. 99.82 L56
For hauling and loading of logs.
- 45798 ABRAMOV, D. A. Improvement in building of lumbering machines. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach.* 164:4-10. Jan.21,1965. (JPRS 28,386; TT 65-30168; CSO 1830-D/PE) 173 J663Tsi
Translation from *Lesnaya Promyshlennost'* 6:3-6. June 1964.
- 45799 ARIMIZU, T. Density of forest road. 1. (Ja) *Jap. Forest Exp. Sta. Bull.* 173:81-91. Ref. Feb.1965. 99.8 R47
English summary.
- 45800 BASKERVILLE, G. L. Silviculture, logging & money. *Pulp Pap. Mag. Can.* 67(2):WR49-WR50. Feb.1966. 302.8 P96
Harvesting costs, chiefly.
- 45801 BENENSON, G. M. Utilization of birch and aspen wood. (Rus) *In* *Povyshenie produktivnosti i sokhrannosti lesov* 1964:225-229. (Not in NAL)
Cited in *Ref. Zh. Otd. Vypusk [Ser.]* 56, *Lesoved. Lesovod.* 8:18. Aug.1965. Film S-203
- 45802 BIGGAR, J. C., and HANNA, J. V. Centralized processing of tree-lengths. *Pulp Pap. Mag. Can.* 67(2):WR57-WR58,WR60-WR63,WR66. Feb.1966. 302.8 P96
Hauling, loading, scaling.
- 45803 BJERKELUND, T. C., and others. Forestry consequences of the changing operational techniques. *Pulp Pap. Mag. Can.* 67(1):WR26-WR27,WR30,WR33. Jan.1966. 302.8 P96
E. G. A. Grimmer, D. C. Mason, M. S. Mil-lar, and G. R. Sonley, joint authors.
In logging.
- 45804 BOSWELL, E. F. Regional rate of development and implications in Quebec. *Pulp Pap. Mag. Can.* 67(C):WR103-WR104,WR106. 1966. 302.8 P96
Logging.
- 45805 BRISCHLE, H. A. Efficient air cleaners; a must for modern engines. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):20-22. 1965. 99.76 P112La
In relation to logging equipment.
- 45806 BROWN, H. E. Preliminary results of cabling Utah juniper, Beaver Creek Watershed Evaluation Project. *Ariz. Watershed Symp. Annu. Proc.* 9:16-21,map. Sept.22,1965. 292.9 Ar425
- 45807 CARLSON, B. D. Rubber-tired skidders reduced logging costs. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:18. 99.9 Am33Te
- 45808 CLIPPERT, G. H. A study on the problem of chain saw noise. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:19-20. 99.9 Am33Te
- 45809 CORNWALL, G. M. Founding of the Pacific Logging Congress. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):16,131. 1965. 99.76 P112La
- 45810 DANIEL, J. S. Hauling pulpwood with trailers in east Texas. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:17-18. 99.9 Am33Te
- 45811 DEMLEITNER, S. The conversion of windfall damaged wood. (Ge) *DLZ (Deut. Landtech. Z.)* 17(2):100-102. Feb.1966. 58.8 T677
- 45812 DEMLEITNER, S. The use of power saws. (Ge) *DLZ (Deut. Landtech. Z.)* 17(1):33-34. Jan.1966. 58.8 T677
In forestry.
- 45813 DINSDALE, E. M. Spatial patterns of technological change: the lumber industry of northern New York. *Econ. Geogr.* 41(3):252-274,map. Ref. July 1965. 278.8 Ec7
Early history.
- 45814 DREWS, B. Accident control through supervision. *Amer. Pulpwood Ass. Tech. Pap.*, Oct. 1965:16-17. 99.9 Am33Te
In logging.
- 45815 FILA, J. Application possibilities for logging mechanization concept of Czechoslovakia in Hungary. (Hu) *Erdo* 15(2):49-53. Feb.1966. 99.8 Er22
German summary.
- 45816 FLYNN, J. Preliminary report: results of ring debarker tests at Newcastle, N.B. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:39-40. 99.9 Am33Te
- 45817 FOGELQUIST, C. Forest road traffic. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):14-15,125,map. 1965. 99.76 P112La
- 45818 GAIRNS, C. H. Spruce capital of the world. *Pacific Logging Congr. Loggers Handbook* 25(sect.1):8-12,113-116,map. 1965. 99.76 P112La
Chiefly on the development of logging industry in British Columbia.
- 45819 GAMBRELL, S. C., and BYARS, E. F. Cutting characteristics of chain saw teeth. *Forest Prod. J.* 16(1):62-71. Ref. Jan.1966. 99.9 F7662J
- 45820 GANGNUS, A. New machine for tree felling eliminates stumps. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach.* 222:21-22. Aug.10,1965. (JPRS 31, 487; TT 65-31983) 173 J663Tsi
Translation from *Lesnaya Promyshlennost'* July 17, 1965. p. 3.
- 45821 GANSNER, D. A. Timber cut from Missouri's eastern Ozark region. *U. S. Forest Serv. Res. Note* CS-35,6 p. July 1965. A99.9 F7629
Logging statistics.
- 45822 GARHART, J. M. Pulpwood harvesting in the Black Hills of South Dakota. *Amer. Pulpwood Ass. Tech. Pap.*, Jan.1966:22-23. 99.9 Am33Te

- 45823 GODDEN, J. H. Regional rate of development and implications in Ontario. Pulp Pap. Mag. Can. 67(C):WR100-WR101,WR103. 1966. 302.8 P96
Logging.
- 45824 GRAMMEL. Selection of debarking methods in relation to wood volume. (Ge) Forst- Holzwirt 21(2):39-42. Jan.23,1966. 99.8 F7724
- 45825 HILF, H. H., and PLATZER, H. B. Forstgerechtes Baumfallen; ein Bildlehrbuch [Skilled tree felling; a pictorial textbook]. Ed. 4. Wien, 1965. 124 p. Ref. SD538.H5
- 45826 HUBER, E. Conversion time and rationalization. (Ge) Allg. Forstz. 21(8):142-147. (Concl.) Ref. Feb.19,1966. 99.8 AL52
Logging labor.
- 45827 IWAKAWA, O. A method for the estimation of qualities of forest roads. II. The relationship between the vibro-acceleration and the measuring conditions. (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:159-189, map. Ref. Nov.1965. 99.9 K993
English summary.
- 45828 JERRY, R. L. Logging winches are sturdy, but don't neglect basic maintenance. Can. Forest Indus. 86(3):38-41. Mar.1966. 99.81 C16
- 45829 KALER, S. A suggested program for training new pulpwood loggers. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:29. 99.9 Am33Te
- 45830 KANGAS, Y. Fellings, and their structure in the Finnish State Forests, 1954-58. (Fi) Metsataloudellinen Aikakauslehti 82(12):508-512. Dec.1965. 99.9 F49
English summary.
- 45831 KATO, S., and OSATO, S. An experimental study on the noise of chain saws. Tokyo Univ. Forests. Bull. 60:113-124. Mar.1965. 99.9 T57
- 45832 KONEV, G. I. Bucking of pine logs affected by heart rot in Angara area. (Rus) Vostochno-Sibirskii Nauchnyi i Proektnyi Institut Lesnoi i Derevoobrabatvyayushchei Promyshlennosti. Trudy 11:77-84. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 7:25. July 1965.
Film S-203
- 45833 KRIZ, M. Power saw and the complex logging crew. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(6):567-580. June 1965. 99.9 C334
German and French summaries.
- 45834 KURILO, V. S. Problems of new technology of harvesting-regeneration works. (Rus) Lesovodstvo i Agrolesomeliorsiya 2:107-112. 1965. (Not in NAL)
Harvesting of trees with roots and immediate soil preparation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:13. Oct.1965.
Film S-203
- 45835 LEFTER, G., and BAISAN, O. The advanced technology of logging of long logs. (Rum) Rev. Padurilor 80(7):382-384. July 1965. 99.8 R327
Includes hauling and transportation.
- 45836 LINDSAY, R. C. Harvesting/utilizing second-growth timber in Pacific Northwest. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:41-42. 99.9 Am33Te
- 45837 MASON, D. C. The effect of changing woodlands operating techniques on the basic job characteristics of woods labour. Pulp Pap. Mag. Can. 67(C):WR113-WR114,WR116,WR126. 1966. 302.8 P96
Logging labor.
- 45838 MCINTOSH, J. A. A cost analysis of small wood logging in western Canada. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:11-12,14. 99.9 Am33Te
- 45839 MELAHROINOS, S. Methods of logs hauling; a demonstration at Aspropotamos, Kalampaka and Elatia, Drama. (Gre) Dassika Chron. 8(1):8-12. Jan.1966. 99.8 D23
By cable and tractor.
- 45840 MEYER, G., OHMAN, J. H., and OETTEL, R. Skidding hardwoods-articulated rubber-tired skidders versus crawler tractors. J. Forest. 64(3):191,194-196. Mar.1966. 99.8 F768
- 45841 MOSHONKIN, N. P. Advanced experience as criterion for economic evaluation of a project. (Rus) Les. Prom. 2:27-29. Feb.1965. 99.82 L56
Lumbering enterprise.
- 45842 MURAO, K. On the forestry production in Yamaguni; Kyoto Prefecture. (Ja) Forest Econ. 18(4):23-40. Apr.1965. 99.8 R474
Lumbering industry.
- 45843 NELSON, S. P. Camp six; the Tacoma logging museum. Forest Hist. 9(4):24-27. Jan.1966. 99.8 F7698
- 45844 OKUCHI, T. On lumbering and lumber workers at Yamaguni in Kyoto Prefecture. (Ja) Forest Econ. 18(8):1-15. Aug.1965. 99.8 R474
- 45845 OWENS, E. T. A report from Canada: developments in pulpwood harvesting. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:33-36. 99.9 Am33Te
- 45846 PACIFIC LOGGING CONFERENCE. Official proceedings "Perpetuating our timber heritage," 55th session, Vancouver, British Columbia, November 18-20, 1964. Pacific Logging Congr. Loggers Handbook 25(sect.2),141 p. 1965. 99.76 P112La
- 45847 PACIFIC LOGGING CONGRESS. Regional logging conferences. Pacific Logging Congr. Loggers Handbook 25(sect.3),16 p. 1965. 99.76 P112La
- 45848 PAHLITZSCH, G., and PETERS, H. Investigations on the cutting with chain saws. I. The influence of wood moisture content, cutting direction and feed rate on chain sawing. (Ge) Holz Roh- Werkstoff 24(2):59-71. Ref. Feb.1966. 99.81 H74
English summary.
- 45849 PAVELESCU, I. M. Organization of logging within the framework of future planning. (Rum) Rev. Padurilor 80(7):379-381. July 1965. 99.8 R327
- 45850 PLATZER, H. B. Maintenance of one-man power saw teeth. (Ge) Forstarchiv 36(10):209-215. Oct.1965. 99.8 F7723
- 45851 PLATZER, H. B. Riveting work on power chain saws. (Ge) Forstarchiv 36(10):226-228. Ref. Oct.1965. 99.8 F7723
- 45852 POKRYSHKIN, O. V. Schedules for barking frozen wood. (Rus) Les. Prom. 2:12-14. Feb. 1965. 99.82 L56
- 45853 PUTKISTO, K. Relations between logging methods and the road network. (Fi) Metsataloudellinen Aikakauslehti 82(12):501-507,512-514. Dec.1965. 99.9 F49
English summary.
- 45854 RACZ, J. Bericht uber die 3. Drei-Lander-Wegebautagung. [Report on the third three-country road building meeting]. Forsttech. Inform. 1,8 p. Jan.1966. 99.8 F7794
- 45855 RITZHEIMER, E. Don't underestimate powder. Pacific Logging Congr. Loggers Handbook 25 (sect.1):17-19,124-125. 1965. 99.76 P112La
Explosives in logging operation.
- 45856 SAVIN, L. E. New logging equipment. (Rus) Les. Prom. 2:3-5. Feb.1965. 99.82 L56
Includes log handling equipment.
- 45857 SEHEULT, L. R. The rate of mechanization in woods operations and the need for skilled manpower in the Atlantic provinces. Pulp Pap. Mag. Can. 67(C):WR106,WR111. 1966. 302.8 P96
- 45858 SHAIN, W. A., and LAWTON, F. A. Operating cost analysis of rubber-tired skidding tractors. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:4. 99.9 Am33Te
- 45859 SHKIRYA, T. M. A device for rigging spars. (Rus) Les. Prom. 2:9-10. Feb.1965. 99.82 L56

- 45860 SOTTER, K. Some views concerning the marking activities of the Forestry Board [Skogs-vardsstyrelsen]. (Sw) Gavleborgs Lans Hus-shallningssallsk. Lantbrukstidskr. 41(4):14-15. 1965. 11 G24L
Cost.
- 45861 SUNDBERG, U. Distribution of the cost of joint forest roads according to crosswise and lengthwise road functions. (Condensed) Stud. Forest. Suecica 30,25 p.,map. Ref. 1965. 99.8 St9
- 45862 SVENDA, A. Removal of twigs from conifers in thinned forests. (Cz) Lesnicka Prace 44 (7):320-322. July 1965. 99.8 L56
- 45863 TÖLES, G. E. Future BC loggers train in realistic conditions. Can. Forest Indus. 86(3):80-81. Mar.1966. 99.81 C16
- 45864 TUPITSYN, F. F. Mechanized barking. (Rus) Les. Prom. 2:10-11. Feb.1965. 99.82 L56
- 45865 WHAT'S new in logging machinery. Pacific Logging Congr. Loggers Handbook 25(sect.1):34-48,114. 1965. 99.76 P112La
- 45866 WOLFF, J. Day rate falling and bucking. Pacific Logging Congr. Loggers Handbook 25 (sect.1):29-30. 1965. 99.76 P112La
In Oregon.
- 45867 ZALSKY, V. Weight testing of stabilized forest roads. (Cz) Lesnicka Prace 44(12):512-516. Dec.1965. 99.8 L56

Sawmills

- 45868 AOYAMA, T. The sawing industry in Sweden. (Ja) Wood Indus. 21(2):29-33. 1966. 99.82 M72
- 45869 BARZ, E. Residual stresses in band- and disc-shaped tools. II. Circular sawblades with working-qualities independent from residual stresses. (Ge) Holz Roh- Werkstoff 23(12):484-491. Dec.1965. 99.81 H74
English summary.
- 45870 EDAMATSU, N. Characteristic problems in sawing with the frame saw. (Ja) Wood Indus. 20(8):2-5. 1965. 99.82 M72
- 45871 FUKUI, H. Some problems in and the mechanics of circular sawing. 1-3. (Ja) Wood Indus. 20(10):15-19; 21(2):15-18. 1965. 99.82 M72
- 45872 JAPAN WOODWORKING MACHINERY ASSOCIATION. Maintenance of sawmill machinery. 3-9, 11. (Ja) Wood Indus. 20(4):40-45; (5):40-46; (6):40-43; (7):47-50; (8):43-46; (9):42-45, (10):37-41; 21(1):35-39. 1965-1966. 99.82 M72
- 45873 JIN, K. The operation of the table type band saw and some problems involved. 1-2. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(159):6-10; (160):1-5. Apr.-May 1965. 99.9 As12S
- 45874 JIRKU, F. New trends in processing wood in sawmills. (Ge) Holztechnologie 6(4):268-272. Nov.1965. 99.8 H744
English summary.
In Czechoslovakia.
- 45875 KAWASHIMA, H. A study on log barking with two types of barkers. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(160):6-10. May 1965. 99.9 As12S
- 45876 KONISHI, C., and YOSHIDA, N. The structure of gang saws. 1-2. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(160):23-28; (161):23-26. May-June 1965. 99.9 As12S
- 45877 KOSUGI, T., and KAMADA, S. Financial ratios of the sawmill industry in Hokkaido. 1-2. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(160):19-22; (161):17-22. May-June 1965. 99.9 As12S
- 45878 KOSUGI, T., and KAMADA, A. On the optimum size of sawmills. 4. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(159):11-14. Apr.1965. 99.9 As12S
- 45879 KUCERA, S. Log handling lumberyards of the Southern Bohemia. (Cz) Lesnicka Prace 44 (7):311-314. July 1965. 99.8 L56

- 45880 LAURYN, M., and MACAK, Z. Some economic principles of the mechanized removal of bark. (Cz) Lesnicka Prace 44(12):506-512. Dec. 1965. 99.8 L56
In sawmills.
- 45881 MOUNT, P. R. Sawmill closures in Colorado, 1962-1964. Colo. State Univ. Coll. Forest. Range Manage. Res. Note 15,2 p. Nov.1964. 99.9 C716
- 45882 OHARA, M. Gang saws and sawing. 1. (Ja) Wood Indus. 20(9):9-11. 1965. 99.82 M72
- 45883 SHIMOKAWA, H. The actual condition of the sawing industry from the standpoint of fundamental research. (Ja) Wood Indus. 21(2):9-14. 1966. 99.82 M72
- 45884 SIMMONS, F. C. Future of sawmilling in the north woods. Forest Prod. J. 16(1):31-34. Jan.1966. 99.9 F7662J
- 45885 YOSHIDA, N. The structure of gang saws. 3. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14 (162):15-16. July 1965. 99.9 As12S

Processing and Woodworking

- 45886 FUKUI, H., and others. Breaking test of the edge of plywood at the trimming saw by break-up saw (circular saw type break-up tool). (Ja) Wood Indus. 20(5):17-23. 1965. 99.82 M72
O. Hara, S. Sato, and M. Hiraiwa, joint authors.
English summary.
- 45887 HELM, D. New tool for profiling wood and plastic materials. (Ge) Holztechnologie 6(4):248-249. Nov.1965. 99.8 H744
English summary.
- 45888 ONITSUKA, N. Woodworking education. (Ja) Wood Indus. 20(7):1. 1965. 99.82 M72
- 45889 PAHLITZSCH, G., and DZIOBEK, K. On the blunting of sanding belts in woodworking. 31 p. Ref. Transl. 15822
Translation from Holz als Roh- und Werkstoff 19(4):136-149. 1961.
- 45890 RICHARDS, J. Selections from a treatise on the construction and operation of woodworking machines. Forest Hist. 9(4):16-23. Jan.1966. 99.8 F7698
- 45891 STERN, E. G. Pallet nails in 1965. Va. Polytech. Inst. Wood Res. Lab. [Bull.] 58,7 p. Jan.1966. 99.9 V8142

Seasoning, Conditioning and Finishing

- 45892 BIRYUKOV, V. A. Uniformity of lumber drying during rapid drying with dielectric and convection heating. 7 p. Transl. 15775
Translation from Lesnaya Promyshlennost' 7: 25-27. 1953.
- 45893 FUKUHARA, S. Drying schedules for lauan wood. (Ja) Wood Indus. 20(6):27-28. 1965. 99.82 M72
- 45894 KOLLMANN, F., and FENGEL, D. Changes in the chemical composition of wood by thermal treatment. (Ge) Holz Roh- Werkstoff 23(12):461-468. Ref. Dec.1965. 99.81 H74
English summary.
- 45895 LANGENDORF, G. Measuring surface tension of wood lacquers. (Ge) Holztechnologie 6(4):241-242. Nov.1965. 99.8 H744
English summary.
- 45896 MIHARA, K., and AZUMA, T. Amino resins and synthetic varnishes. (Ja) Wood Indus. 20 (11):42-43. 1965. 99.82 M72
- 45897 NAKATO, K. Adhesion of paint films to wood; especially adsorption of polymers by wood. (Ja) Wood Indus. 20(11):16-18,24. Ref. 1965. 99.82 M72
- 45898 NODA, S. A look at synthetic resin paints and varnishes. (Ja) Wood Indus. 20(11):33. 1965. 99.82 M72
- 45899 OISHI, H. Preliminary lumber drying by solar heat. (Ja) Wood Indus. 20(9):30-34. 1965. 99.82 M72

- 45900 PAHLITZSCH, G., and DZIOBEK, K. The assessment of machined wood surfaces. II. (Ge) Holztechnologie 6(4):219-224. Nov.1965. 99.8 H744
English summary.
Determining frequency distribution of roughness.
- 45901 PAHLITZSCH, G., and DZIOBEK, K. Determining the surface quality of machined wood surfaces. 1. Methods of measuring and evaluating belt-sanded wood surfaces. 44 p. Ref. Transl. 15821
Translation from Holz als Roh- und Werkstoff 19(10):403-417. 1961.
- 45902 RICE, W. W. Annual review of wood drying. Forest Prod. J. 16(1):19-23. Ref. Jan.1966. 99.9 F7662J
- 45903 SPORL, H. H. Automatic carcass assembly with high frequency heating. (Ge) Holztechnologie 6(4):233-240. Ref. Nov.1965. 99.8 H744
English summary.
- 45904 TAZAWA, T., and SEKIDO, T. Alkyd resins, lacquer and polyester resins. (Ja) Wood Indus. 20(11):34-37. 1965. 99.82 M72
Paints and varnishes.
- 45905 TERASAWA, S. An easy method for determining wood drying schedules. (Ja) Wood Indus. 20(5):2-7,12. Ref. 1965. 99.82 M72
- 45906 TOKITA, M. Oil finishes. (Ja) Wood Indus. 20(6):6-7. 1965. 99.82 M72
- 45907 WATANABE, H. The finishing of lumber. (Ja) Wood Indus. 21(1):18-23. Ref. 1966. 99.82 M72
- 45908 YAGER, J. C. Drying of Pinus radiata logs for Pyneboard manufacture. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(3):xxvii-xxvi. Nov.1965. 302.8 Au7
Includes discussion.
- Wood Preservation and Damage**
- 45909 AMEMIYA, S. The Boulton treatment method for Cryptomeria japonica logs. (Ja) Wood Indus. 20(10):10-14. Ref. 1965. 99.82 M72
Pressure preservation.
- 45910 AMEMIYA, S., and INOUE, M. Research on wood preserving treatment. 8. Pressure changes in sugi log under vacuum. (Ja) Wood Indus. 20(8):21-25. 1965. 99.82 M72
English summary.
Cryptomeria japonica wood.
- 45911 AMEMIYA, S., and INOUE, M. Research on wood preserving treatment. 9. Relation between the conditions and the rate of drying of round sugi [Cryptomeria japonica] during the boiling under vacuum process. (Ja) Wood Indus. 20(10):20-24. 1965. 99.82 M72
English summary.
- 45912 BECKER, G., and others. Comparative investigations on the laboratory testing of the effectiveness of wood preservatives to fungi. (Ge) Holz Roh- Werkstoff 24(2):53-58. Ref. Feb. 1966. 99.81 H74
T. Hof, C. Jacquot, K. Lohwag, E. Rennerfelt, and O. Walchli, joint authors.
English summary.
- 45913 FILIPOVICI, I., and others. Protection of beech logs against splitting, mold and decay with Ac.P.V. antiseptic. (Rum) Rev. Padurilor 80(7):385-390. July 1965. 99.8 R327
I. Popp, I. Cristea, D. Brendorfer, and E. Florea, joint authors.
German summary.
- 45914 GADD, O. Contributions to the knowledge of the chemistry of wood blueing. Pap. Puu 47(11):667-669. Ref. Nov.30,1965. 302.8 P1991
- 45915 GOTO, T. Wood heated with synthetic resins. (Ja) Wood Indus. 20(11):12-15. Ref. 1965. 99.82 M72
- 45916 HATFIELD, I. How do wood preservatives work? Southern Lumberman 212(2635):31. Feb.1,1966. 99.81 So82
- 45917 INTERNATIONAL WOOD PRESERVATION CONFERENCE, 9, BERLIN, 1965. Abstracts of papers. (Ge) Holz Roh- Werkstoff 23(12):491-494. Dec.1965. 99.81 H74
- 45918 KANEHIRA, Y. Architecture and preservation. (Ja) Wood Indus. 20(4):7-10. 1965. 99.82 M72
- 45919 LEE, P. W. The effect on absorption in wood treated by the mixed solutions of coal-tar creosote and fuel oil. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:75-83. Ref. May 1965. 442.9 So84
English summary.
- 45920 MERRILL, W., and FRENCH, D. W. Wood fiberboard studies. IV. Effects of decay on lateral nail resistance and correlation of lateral nail resistance with nailhead pull-through resistance. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(1):33-34. Jan.1966. 302.8 T162
Populus tremuloides wood decayed by Lenizites.
- 45921 NEUBAUER, L. W., and SULLIVAN, J. J. Relation of heavy chemical treatment to durability of wood in ground contact. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):238-240,243. 1965. 290.9 Am32T
Fence posts, poles, and stakes.
- 45922 OERTEL, J. New wood preservatives, hard-to-leach on water-soluble compounds and possibilities of their use. (Ge) Holztechnologie 6(4):243-247. Nov.1965. 99.8 H744
English summary.
Quaternary ammonium compounds.
- 45923 PORTUGAL. LABORATORIO NACIONAL DE ENGENHARIA CIVIL (LISBOA). Sur l'aptitude de quelques bois africains a l'emploi dans les travaux maritimes et la construction navale [On the fitness of some African woods for use in maritime works and shipbuilding], by E. J. S. Franco. Lisboa, 1965. 19 p. Ref. (Its Memoria No.243) TA422.L3
English summary.
Resistance to marine borers.
- 45924 U. S. RURAL ELECTRIFICATION ADMIN. Performance of wood poles as indicated by replacement experience on 120 rural electric distribution systems, 1951 through 1963; staff report. Washington, 1965. 28 p.,map. A300 R88P
Decay tests.
- 45925 WALLACE, E. M. Giving timber a longer life. Timber Plywood Annu. 1965:170,173. 99.81 T489A
Preservatives.
- 45926 WOOD PRESERVING NEWS. 1966 buyers guide for pressure preserved wood products. Wood Preserv. News 44(2):16-37. Feb.1966. 300.8 W853
- 45927 YOSHIMURA, M. Studies on wood decay. I-II. (Ja) Mie Univ. Fac. Agr. Bull. 31:137-165. Ref. Mar.1965. 107.6 T78
English summary.
- FOREST PRODUCTS**
- 45928 CHANG, S. C. Utilization of wood. (Ch) Taiwan Ts'ai Kung Yeh 35:1-2,13. Mar.1965. 99.8 T133
- 45929 CORCORAN, T. J. Operation research and management in wood-using business. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:25-27. 99.9 Am33Te
- 45930 DINWOODIE, J. M. Research at the Forest Products Research Laboratory. Arbor 4(2):4-6. 1965. 99.8 Ar17
- 45931 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Yearbook of forest products statistics, 1965. Rome, 1965. 132 p. 99.9 Y3
Text also in French and Spanish.
- 45932 FOREST PRODUCTS RESEARCH SOCIETY. Abstracts of selected papers to be presented at 19th annual meeting. Forest Prod. J. 15(5):11A-12A; (6):20A-26A. May-June 1965. 99.9 F7662J

- 45933 GILL, K. E. Problems of complete utilization as viewed by a logger. Pulp Pap. Mag. Can. 67(2):WR67-WR69. Feb.1966. 302.8 P96
- 45934 GREAT BRITAIN, DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Report of the Research Council for the year 1964. London, 1965. 70 p. 330.9 G792R
Includes work of the Forest Products Research Laboratory.
- 45935 HANN, R. A., and HEYER, O. C. Forest Products Laboratory exposure structure. Forest Prod. J. 15(6):252-254. June 1965. 99.9 F7662J
U. S. Forest Products Laboratory, Madison, Wis.
- 45936 LOCKHART, R. E. Alaska sized timber sale. J. Forest. 64(2):83-86. Feb.1966. 99.8 F768
- 45937 NORTHWEST WOOD PRODUCTS CLINIC. Proceedings of the twentieth annual meeting jointly with Inland Empire Section, Forest Products Research Society, Spokane, Washington, April 20-21, 1965. Pullman, 1965. 113 p. 99.9 Sp6
- 45938 REPUBLIC OF SOUTH AFRICA, BUR. OF STATISTICS. Summary of industrial report No. 23, industrial censuses, 1950-51 to 1960-61: major industry group: wood and cork products (excluding furniture). Pretoria, 1965. 22 p. 270 So824I
Text also in Afrikaans.
- 45939 SASKATCHEWAN FOREST PRODUCTS, Annual report for the year ending October 31, 1965. Regina, 1966. 13 p. 99.9 Sa74
- 45940 TIMBER and plywood annual, incorporating Board News, 1965. London, 1965. 226 p.,map. 99.81 T489A
- 45954 KOSUGI, T. Sawmill profits. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(158):1-2. Mar. 1965. 99.9 As12S
Lumber and log prices.
- 45955 KURODA, I. Betting on the courage and wisdom of the Hokkaido lumber world. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(156):1-2. Jan.1965. 99.9 As12S
- 45956 LANCINGEROVA, M. Changes of the moisture content of sawn timber, dimension timber and wood based materials during railway transport. (Ge) Holztechnologie 6(4):257-262. Nov.1965. 99.8 H744
English summary.
- 45957 LIN, W. Y. The grading and classification of lauan woods. (Ch) Tai-wan Ts'ai Kung Yeh 34:7-12,19. Feb.1965. 99.8 T133
- 45958 MACEK, J. Brief notions on the prices of lumber. (Cz) Lesnicka Prace 44(7):292-293. July 1965. 99.8 L56
- 45959 MURASHIMA, Y. The transportation course of timber. (Ja) Forest Econ. 18(4):10-22. Apr. 1965. 99.8 R474
Includes marketing.
- 45960 NAKAZAWA, S. Recent revision of Japanese agriculture and forestry standards; sawed timber. (Ja) Wood Indus. 20(5):13-16. 1965. 99.82 M72
- 45961 OLSON, S. H. Commerce and conservation: the railroad experience. Forest Hist. 9(4):2-15. Ref. Jan.1966. 99.8 F7698
In relation to railway tie industry.
- 45962 PENICK, E. B., WALLACE, O. P., and BOND, R. S. Marketing of lumber by retail lumber yards in the Northeast—Phase III. N. H. Agr. Exp. Sta. Bull. 487,35 p.,map. May 1965. 100 N45
Agricultural Experiment Stations of Maine, Massachusetts, Pennsylvania, Vermont, and West Virginia, and U. S. Department of Agriculture, cooperating.
Northeast Regional Publication.

Lumber and Rough Products

- 45941 ADACHI, K. Memoirs of the Japanese lumber industry. 1. (Ja) Wood Indus. 21(1):24-25. 1966. 99.82 M72
- 45942 BELL, J. Cost and return comparison of spruce poles and pulpwood. (Ge) Allg. Forstz. 21(8):148-149. Feb.19,1966. 99.8 AL52
- 45943 BOURASSA, G. H. Developments in trucking roundwood. Amer. Pulpwood Ass Tech. Pap., Oct.1965:37. 99.9 Am33Te
- 45944 COLLIER, J. M. Louisiana's oldest industry—a space age giant. Forests People 16(3):7-10, 30-32,map. First Q.1966. 99.8 F7628
Lumber industry.
- 45945 DANE, C. W. American lumber industry: its essential research and policy implications. Forest Prod. J. 15(6):247-251. Ref. June 1965. 99.9 F7662J
- 45946 FASANEK, V. Designs of the central lumber storages in East Germany. (Cz) Lesnicka Prace 44(12):502-506. Dec.1965. 99.8 L56
- 45947 FOLOMEEV, D. Improving quality of lumber production. (Rus) Les. Prom. 2:16-18. Feb. 1965. 99.82 L56
- 45948 FRONIUS, K. Devices for turning sawlogs. (Ge) Holz-Zentralbl. 92(22):439-440. Feb.21, 1966. 99.81 H742
- 45949 HIRASAWA, J. A sketch of South America; Bolivia and Paraguay. (Ja) Wood Indus. 20(9):16-20. 1965. 99.82 M72
Lumber industry.
- 45950 IVANITSKII, A. S., and SHEININ, YA. G. Economic utilization of low quality wood. (Rus) Les. Prom. 2:25-26. Feb.1965. 99.82 L56
For small dimension lumber.
- 45951 JACKSON, N. D., KOCH, C. B., and REID, W. H. A method for controlling the dimension of hardwood lumber. W. Va. Agr. Exp. Sta. Bull. 511,26 p. June 1965. 100 W52
- 45952 JENKINS, J. H. The development of the grade marking of lumber in Canada. Can. Dep. Forest. Publ. 1134,8 p. Sept.1965. 99.9 C1628P
- 45953 KING, D. N. Lumber industry future: "Brother you never had it so tough!" Can. Forest Indus. 86(3):48-51. Mar.1966. 99.81 C16
- 45963 RUNAY, E. Main lumberyards of East Germany. (Cz) Les [Bratislava] 21(7):209-213. July 1965. 99.8 L5632
- 45964 SANO, Y. Lumber industry in Korea. (Ja) Wood Indus. 20(7):6-10. 1965. 99.82 M72
- 45965 SASANO, K. The future of sawed lumber made from lauan logs. (Ja) Wood Indus. 21(2):1. 1966. 99.82 M72
- 45966 SUDER, M. Development of wood production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 387:7-10. Aug.30,1965. (JPRS 31,767; TT 65-32262; CSO 2700-S) 173 J663Ste
Lumber industry.
Translation from Scientia, July 5,1965:1,3.
- 45967 USOV, S. N. Winter storage of logs on the water. (Rus) Les. Prom. 2:20-22. Feb.1965. 99.82 L56
- 45968 VANGEROW, H. H. Experiences in wood auctioning. I. (Ge) Holz-Zentralbl. 92(27):517-519. Mar.4,1966. 99.81 H742
- 45969 ZODZISSKIJ, G. A., and BUCHSTAB, A. Automatic sorting of sawn timber. (Ge) Holztechnologie 6(4):262-264. Nov.1965. 99.8 H744
English summary.

Construction

- 45970 EVANS, D. L. Timber floors on concrete slabs. T.D.A. (Timber Develop. Ass.) Bull. 2(4):7. Nov.1965. 99.8 T48
- 45971 LEVIN, E. Facing up to the problems of timber housing. Timber Plywood Annu. 1965:22,24,26. 99.81 T489A
- 45972 MCGAHAN, A. R. F. The modern use of timber in churches. Timber Plywood Annu. 1965:56,58. 99.81 T489A
- 45973 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. Insulation of wood-frame structures. Nat. Lumber Manufacturers Ass. Wood Constr. Data AIA File 37-A 7,20 p.,map. Ref. 1964. 296.9 N212

- 45974 NISKANEN, E., and others. Estructuras de madera [Pinus radiata] laminada; estudio preliminar [Structures of plywood [Pinus radiata]; preliminary study]. Santiago de Chile. Inst. Forest. Inform. Tec. 18,65 p. Aug.1965 99.9 Sa531
R. Makelainen, A. Ickson F., and G. Tamm J., joint authors.
- 45975 THOMPSON, R. D. Maintenance as a factor of use of hardwood flooring by consumers in the Minneapolis-St. Paul Metropolitan area. Minn. Forest. Notes 164,2 p. July 15,1965. 99.8 M662
- Veneers, Plywood and Adhesives**
- 45976 BRYANT, B.S., PETERS, T. E., and HOERBER, G. F. Veneer thickness variation: its measurement and significance in plywood manufacture. Forest Prod. J. 15(6):233-237. Ref. June 1965. 99.9 F7662J
- 45977 HAIR, D. Projected demands for hardwood veneer emphasize research-management needs. Forest Prod. J. 16(1):28-30. Jan.1966. 99.9 F7662J
- 45978 HIRAI, S. A look at synthetic resin adhesives. (Ja) Wood Indus. 20(11):19. 1965. 99.82 M72
- 45979 HORIIKE, K. Interaction of wood with polymeric materials. (Ja) Wood Indus. 20(11):2-6. Ref. 1965. 99.82 M72
- 45980 IINO, M., and SAITO, S. Planning and manufacture of continuous jet veneer dryers. (Ja) Wood Indus. 20(4):26-29. 1965. 99.82 M72
- 45981 IMOTO, M. The combination of wood and synthetic resins. (Ja) Wood Indus. 20(11):1. 1965. 99.82 M72
- 45982 INOUE, K. Melamine-formaldehyde resins and urea-formaldehyde resins. (Ja) Wood Indus. 20(11):25-27. 1965. 99.82 M72
Adhesives.
- 45983 JAPAN WOODWORKING MACHINERY ASSOCIATION. Maintenance of veneer and plywood equipment. 1. (Ja) Wood Indus. 21(2):39-44. 1966. 99.82 M72
- 45984 KATAOKA, M. Diallyl phthalate resins. (Ja) Wood Indus. 20(11):51-52. 1965. 99.82 M72
Plywood overlays.
- 45985 KIKAWA, S., and others. Pyrocatechol resin as an adhesive. I. Studies on the adhesion properties of pyrocatechol epoxy resin. (Ja) J. Agr. Sci. [Setagaya] 10(2):60-66. Oct.1964. 22.5 J824
H. Kawamura, I. Oikawa, and M. Ono, joint authors.
English summary.
- 45986 KONDO, H. Resorcinol-formaldehyde resins. (Ja) Wood Indus. 20(11):20-22. 1965. 99.82 M72
Adhesives.
- 45987 KONISHI, C., and others. Manufacture of decorative thin lumber from hardwoods. 1. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(164):8-14. Sept.1965. 99.9 As12S
H. Kawashima, N. Yoshida, H. Kabasawa, and N. Nara, joint authors.
- 45988 LAMINATED WOOD COMMITTEE. The standard manufacturing of fancy laminated wood. II. (Ja) Wood Indus. 20(6):20-26. 1965. 99.82 M72
- 45989 LIN, C. Y. Glued laminated wood. (Ch) Taiwan Ts'ai Kung Yeh 35:5-12. Mar.1965. 99.8 T133
- 45990 MAMINE, R. Phenol formaldehyde resins. (Ja) Wood Indus. 20(11):22-24. 1965. 99.82 M72
Adhesives.
- 45991 MATAGA, S. A new market for plywood. (Ja) Wood Indus. 20(10):1. 1965. 99.82 M72
- 45992 MOTAI, T. Recent revision of Japanese agriculture and forestry standards; special treated plywood. (Ja) Wood Indus. 20(4):30-32. 1965. 99.82 M72
- 45993 NAGAOKA, N. Layout of new veneer and plywood machines. (Ja) Wood Indus. 20(10):5-9. 1965. 99.82 M72
- 45994 NAKAJIMA, T. Epoxy resin type adhesives. (Ja) Wood Indus. 20(11):30-32. 1965. 99.82 M72
- 45995 NANASAWA, N., and KOBAYASHI, M. The influence of moisture content in lumber core on the warping of lumber core plywood. (Ja) Wood Indus. 20(5):27-31. 1965. 99.82 M72
- 45996 NAVARRETE G., H., BIANCHI S., H., and HEDERSTROM, T. Estudio de mercado de la madera terciada [Study on marketing plywood]. Santiago de Chile. Inst. Forest. Inform. Tec. 15,32 p. June 1965. 99.9 Sa531
- 45997 NIWA, T. The quality of plywood. (Ja) Wood Indus. 20(9):1. 1965. 99.82 M72
- 45998 OKA, J. Notes on Durisol. 10-11. (Ja) Wood Indus. 20(8):26-30; (10):25-28. 1965. 99.82 M72
An adhesive.
- 45999 OKITSU, T. Emulsion of vinyl acetate. (Ja) Wood Indus. 20(11):28-30. 1965. 99.82 M72
Adhesives.
- 46000 PRODUCTION and consumption of plywood in Europe in 1963-1966. (Ge) Holz-Zentralbl. 92 (26):501-502. Mar.2,1966. 99.81 H742
- 46001 SEN, Y. Wood adhesives. (Ch) Tai-wan Ts'ai Kung Yeh 33:8-14. Jan.1965. 99.8 T133
- 46002 SETO, K., KAWANISHI, M., and TAKAHASHI, M. Effects of veneer composition for plywood on its quality. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(161):7-12. June 1965. 99.9 As12S
- 46003 SETO, K., NOZAKI, K., and TAGUCHI, T. On the technique of tapeless veneer core splicing. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14 (159):14-20. Apr.1965. 99.9 As12S
- 46004 SETO, K., and others. The performance of glue spreaders. 3. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(156):12-14. Jan.1965. 99.9 As12S
K. Nozaki, M. Takahashi, and T. Nioka, joint authors.
For plywood industry.
- 46005 STENSURUD, R. K., and NELSON, J. W. The importance of overlays to the forest products industry. Forest Prod. J. 15(5):203-205. May 1965. 99.9 F7662J
For plywood.
- 46006 TAKAHASHI, K. Melamine-formaldehyde resins and phenol-formaldehyde resins. (Ja) Wood Indus. 20(11):45-48. 1965. 99.82 M72
Plywood overlays.
- 46007 TSUTSUMOTO, T., and SHIBAHARA, S. Experimental results of the use of a continuous jet veneer drier. (Ja) Wood Indus. 20(7):26-30. 1965. 99.82 M72
- 46008 TSUTSUMOTO, T., and SATO, S. Studies on the drying characteristics of veneer. I-II. (Ja) Jap. Forest Exp. Sta. Bull. 173:133-165. Ref. Feb.1965. 99.8 R47
English summary.
- 46009 UEMATSU, T. Continuous roller press. (Ja) Wood Indus. 20(7):2-5. 1965. 99.82 M72
For plywood manufacture.
- 46010 UYEMURA, T. The standard manufacturing of fancy laminated wood. I. (Ja) Wood Indus. 20 (5):32-34. 1965. 99.82 M72
- 46011 WARDLE, T. M. Glue-laminated timber beams—depth factor and defect dispersal factor. T.D.A. (Timber Develop. Ass.) Bull. 2(4): 13-14. Nov.1965. 99.8 T48
- 46012 WATANABE, H. An economic comparison of plywood, fiberboard and particle board manufacture in Yugoslavia. (Ja) Wood Indus. 20(10): 29-30. 1965. 99.82 M72
- 46013 YAGISHITA, M. A look at synthetic resin overlays. (Ja) Wood Indus. 20(11):44. 1965. 99.82 M72
Plywood.

- 45014 YAMAGISHI, Y., HONGO, M., and SATO, M. Reduction of hot pressing time in making phenolic resin bonded plywood. 1. Effects of additional resorcinol-formaldehyde resin. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(163):7-14. Aug.1965. 99.9 As12S

- 46015 YAMAGISHI, Y., IMURA, S., and YOSHIDA, H. Standard test of plywood bond strength for foreign specifications. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(164):15-23. Ref. Sept. 1965. 99.9 As12S

- 46016 YOSHIDA, K. Polyvinyl chloride resins. (Ja) Wood Indus. 20(11):48-50. 1965. 99.82 M72 Plywood overlays.

- 46017 YOSHIDA, Y. Guanamin resins. (Ja) Wood Indus. 20(11):53-54. 1965. 99.82 M72 Plywood overlays.

Furniture

- 46018 BEHR, E. Refinishing furniture. Mich. State Univ. Ext. Ext. Bull. 514,29 p. Nov.1965. 275.29 M58B Wood furniture.

Containers

- 45019 CANADA, BUR. OF STATISTICS. Wooden box factories 1962. Ottawa, 1965. 30 p. 253 C335Wo

Pulp and Paper

- 46020 ABBOTT, J. A. Pulpwood industry's image and PR [public recreation] status in northeast area. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:21-22. 99.9 Am33Te

- 46021 ANDERSSON, O. Some observations on fiber suspensions in turbulent motion. Svensk Papperstidn. 69(2):23-31. Jan.31,1966. 302.8 Sv2 Pulp.

- 45022 ANDREWS, D. H., and DESROSIERS, P. The influence of wood components on the bleach response of jack pine groundwood to peroxide. Pulp Pap. Mag. Can. 67(C):T119-T128. Ref. 1966. 302.8 P96

- 46023 BACKMAN, A. V. The next 10 years in British Columbia. Pulp Pap. Mag. Can. 67(C):WR97-WR98,WR100. 1966. 302.8 P96 Pulp and paper industry.

- 46024 BALMASOV, E. YA. An approximate mathematical description of the continuous pulping process. (Rus) Bumazhn. Promysh. 9:12-14. Sept.1965. 302.8 B88 Sulfate pulps.

- 45025 BEACH, G. A glossary of Swedish-English pulp and papermaking terms. Sittingbourne, Kent, 1965. 70 p. TS1085.B4

- 46026 BETHGE, P. O., HOLMSTROM, C., and JUHLIN, S. Quantitative gas chromatography of mixtures of simple sugars. Svensk Papperstidn. 69(3):60-63. Feb.15,1966. 302.8 Sv2 Includes sugars in pulp.

- 46027 BJORKLUND, N. E. Utilization of cull could solve problems of changing wood supply. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:18-19. 99.9 Am33Te Pulp and paper materials.

- 46028 BURENIN, M. A. Determination of bound sulfur dioxide in cooking liquors containing any base. (Rus) Bumazhn. Promysh. 9:10-11. Sept.1965. 302.8 B88 English summary.

- 46029 CANADIAN PULP AND PAPER ASSOCIATION. 53rd annual meeting. Pulp Pap. Mag. Can. 67(C):9-13,15,17,19,21-22,25-34, 344-349. 1966. 302.8 P96 Proceedings.

- 46030 CANADIAN PULP AND PAPER ASSOCIATION. TECHNICAL SECT. 52nd annual meeting. Pulp Pap. Mag. Can. 67(C):131-133,135,137-138,140-143,147,149-162,269-270,272,274,276,280,282,284,286,288,290,292,294,308,310,312,316,320,323-324,326,328,330,332-344. Ref. 1966. 302.8 P96 Proceedings.

- 46031 CARVALHO, J. DA S. Quercus suber and Eucalyptus globulus, raw material for wood pulp. (Por) Port. Junta Nac. Cortica. Bol. 27(324):206-210; (325):231-238. Oct.-Nov.1965. 309.9 J96

- 46032 CHUKANOV, M. A., and others. Concerning the maximum utilization of hardwoods in the manufacture of electric insulation papers. (Rus) Bumazhn. Promysh. 3:23-24. Mar.1965. 302.8 B88 N. N. Kiselev, V. I. Mochalov, Yu. G. Osipov, A. T. Ostroushko, and K. D. Skomorokhova, joint authors.

- 46033 CROON, I. Resin maturation in chip piles and its effects on the sulfite and sulfate industries. 17 p. Transl. 15779 Translation of an address given at the annual meeting 23-24 March 1965 of the SPCI.

- 46034 CROSSLEY, N., and OGUNLE, O. A. Studies on the suitability of Nigerian raw materials for paper making. IX. Rhizophora racemosa (G. F. W. Meyer). Nigeria. Fed. Inst. Indus. Res. Res. Rep. 31:527-585. Ref. Mar.1965. 297.9 Os4

- 46035 DAHM, H. P. A comparison of log storage and chip storage of spruce. Norsk Skogindus. 20(1):10-16,18-21,23-26. Ref. Jan.1966. 99.82 N81 With reference to acid sulfite pulp yield.

- 46036 DINWOODIE, J. M. The influence of anatomical and chemical characteristics of softwood fibers on the properties of sulfate pulp. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(2):57-67. Ref. Feb.1966. 302.8 T162

- 46037 ELMGREN, H. The macromolecular properties of sodium cellulose xanthate in dilute solution. Arkiv Kem. 24(3):237-282. Ref. 1965, 385 Ar4

- 46038 FOWLER, R. M. Annual review; pulp, paper & paperboard in Canada—1965. Pulp Pap. Mag. Can. 67(2):35. Feb.1966. 302.8 P96

- 46039 GAVELIN, G. Grinding variables and their effect on mechanical pulp quality. Pap. Trade J. 150(11):53-59. Ref. Mar.14,1966. 302.8 P196 To control various groundwood properties.

- 46040 GAVELIN, G. How to measure groundwood pulp quality. Pap. Trade J. 150(13):44-49. (Cont.) Ref. Mar.28,1966. 302.8 P196

- 46041 GUHA, S. R. D., and PANT, P. C. Pulping of Acacia auriculiformis, A. Cunn. Indian Forest. 92(1):51-55. Jan.1966. 99.8 In2

- 46042 GUHA, S. R. D., SINGH, M. M., and MITTAL, K. C. Sulphate pulping of mixture of bamboo and mixed hardwoods. Indian Pulp Pap. 20(7):455,457,459-460,462,464-470. Jan.1966. 302.8 In23

- 46043 GUHA, S. R. D., and NEGI, J. S. Wrapping, printing and writing paper from Moringa pterygosperma. Indian Pulp Pap. 20(6):377, 379. Dec.1965. 302.8 In23

- 46044 GUREVICH, L. L., and others. Automatic control of pulp hardness during the process of chlorination. (Rus) Bumazhn. Promysh. 7:11-14. July 1965. 302.8 B88 A. A. Dolgaleva, R. I. Sosnovskii, and E. M. Faivish, joint authors.

- 45045 HOWELLS, T. A. Pulp evaluation for a purpose. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(3):61A-64A. Mar.1966. 302.8 T162

- 46046 HUDSON, F. L. The role of the industrial chemist in the pulp and paper industry. *Indian Pulp Pap.* 20(7):447-448,454. Jan.1966. 302.8 In23
- 46047 JACOBSON, L. H. Transporting pulpwood from Lake States to Intermountain Region. *Amer. Pulpwood Ass. Tech. Pap.*, Jan.1966:21-23. 99.9 Am33Te
- 46048 JOHANSON, F., KUBAT, J., and PATTYRANIE, C. Experimental studies on stress relaxation in crystalline polymers. IV. Cellulose and paper. *Arkiv Fys.* 28(4):317-328. Ref. 1965. 334.8 Ar4
- 46049 KESLER, R. B. Monitoring kraft pulp mill liquors for sulfide and effective alkali. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(2):71-74. Feb.1966. 302.8 T162
- 46050 KLEINERT, T. N., and MARRACCINI, L. M. Aging and colour reversion of bleached pulps. 4. The role of the aldehyde end groups. *Svensk Papperstidn.* 69(3):69-71. Feb.15,1966. 302.8 Sv2
- 46051 KLEINERT, T. N. Mechanisms of alkaline delignification. I-II. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(2):53-57; (3):126-130. Ref. Feb.-Mar.1966. 302.8 T162
Picea excelsa sawdust.
- 46052 KOSSOI, A. S. Factors affecting the quality of groundwood from chips. (Rus) *Bumazhn. Promysh.* 7:3-6. Ref. July 1965. 302.8 B88
English summary.
- 46053 KOSSOI, A. S. Groundwood from chips. (Rus) *Bumazhn. Promysh.* 3:3-6. Ref. Mar.1965. 302.8 B88
English summary.
- 46054 KOTOV, V. S., and YAKOVLEV, V. YA. Means to reduce the ash content of dissolving pulp. (Rus) *Bumazhn. Promysh.* 4:11-14. Apr.1965. 302.8 B88
- 46055 LANCASTER, J. E. Norwegian industry needs pulpwood. *Foreign Trade* 125(4):14-16. Feb.19,1966. 286.8 C162
- 46056 LEA, R. V., and HOLLER, F. A. How will mechanization of pulpwood industry affect public relations? *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:28-39. 99.9 Am33Te
- 46057 LETONMYAKI, M. N., and others. Increase of the yield of volatile acids from black liquors. (Rus) *Bumazhn. Promysh.* 9:19-20. Sept.1965. 302.8 B88
L. V. Kyalina, N. F. Komshilov, T. A. Selivanova, and Z. L. Shorop, joint authors.
- 46058 MANTHY, R. S. A forest economist's view of pulpwood marketing systems. *Amer. Pulpwood Ass. Tech. Pap.*, Jan.1966:5-6,8. 99.8 Am33Te
- 46059 MANTHY, R. S. Pulpwood procurement practices viewed by forest economist. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:4-6,8. 99.9 Am33Te
Marketing in Southeast.
- 46060 MARTIN, M. E. Improving public image of the pulpwood industry. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:23-24. 99.9 Am33Te
- 46061 MCKENZIE, A. W. The structure and properties of paper. XVII. The mode of action of carbohydrate beater additives. *APPITA (Australian Pulp Pap. Indus. Tech. Ass.)* 19(3):79-85. Ref. Nov.1965. 302.8 Au7
Includes discussion.
- 46062 MIGITA, M. Recent trends and problems of the pulp industry. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(159):1-5. Apr.1965. 99.9 As12S
- 46063 MILOV, B. G., and others. Technological properties of pulp for the manufacture of condenser paper with low dielectric losses. (Rus) *Bumazhn. Promysh.* 4:3-5. Apr.1965. 302.8 B88
S. Kh. Kitaeva, E. I. Ukrainskaya, V. T. Renne, M. N. Morozova, and L. K. Borodulina, joint authors.
English summary.
Softwood kraft pulps.
- 46064 MIYAO, S. Pulp manufacture by the polysulfide cooking process. (Ja) *Wood Indus.* 20(8):6-9. Ref. 1965. 99.82 M72
- 46065 NAUMOVA, Z. N., and NAGRODSKII, I. A. Absorption of iron by dissolving pulp at various stages of its manufacture. (Rus) *Bumazhn. Promysh.* 9:4-7. Sept.1965. 302.8 B88
English summary.
- 46066 NICHOLLS, G. A. Some chemical by-products of kraft pulping. *APPITA (Australian Pulp Pap. Indus. Tech. Ass.)* 19(3):xxvii-xxx. Ref. Nov.1965. 302.8 Au7
Pinus radiata.
- 46067 NIKITIN, V. M., and VASIL'EV, N. I. The role of lignosulfonic acids in the process of wood delignification with sulfite. (Rus) *Bumazhn. Promysh.* 9:3-4. Sept.1965. 302.8 B88
English summary.
- 46068 NORDWALL, D. S. Pulpwood potential of the Eastern Intermountain Region. *Amer. Pulpwood Ass. Tech. Pap.*, Jan.1966:19-20. 99.9 Am33Te
- 46069 THE NORWEGIAN paper, pulp, timber and wallboard industries, 1965. *Norsk Skogindus.* 20(1):1-9. Jan.1966. 99.82 N81
Text also in Norwegian.
- 46070 OHLHAUSEN, W. G. Recent trends in the Japanese pulp and paper industry. *Pulp Pap. Mag. Can.* 67(2):45. Feb.1966. 302.8 P96
- 46071 PIKE, B. F. What are we doing to improve our image? *Amer. Pulpwood Ass. Tech. Pap.*, Oct. 1965:22-23. 99.9 Am33Te
Pulpwood industry.
- 46072 POTAPENKO, A. P. The manufacture of semi-chemical kraft pulp. (Rus) *Bumazhn. Promysh.* 6:12-15. June 1965. 302.8 B88
- 46073 RIGANOV, V. P. Processing of spent sulfite liquors from cooks with various bases. I. Modernization of the neutralization method. (Rus) *Gidrolizn. Lesokhim. Promysh.* 5:22-24. 1965. 301.8 G36
- 46074 RIGANOV, V. P. Processing of spent sulfite liquors from cooks with various bases. II. (Rus) *Gidrolizn. Lesokhim. Promysh.* 6:22-23. 1965. 301.8 G36
- 46075 ROZENBERGER, N. A., and NAPKHANENKO, Z. S. Effect of nature of the base on sulfite pulping of sprucewood. (Rus) *Bumazhn. Promysh.* 6:3-7. June 1965. 302.8 B88
English summary.
- 46076 RUFFINI, G. Improvement of bonding in wood pulps by the presence of acidic groups. *Svensk Papperstidn.* 69(3):72-76. Feb.15,1966. 302.8 Sv2
- 46077 SAYERS, W. B. The pulpwood industry and government's program of land acquisition. *Amer. Pulpwood Ass. Tech. Pap.*, Oct.1965:24-26. 99.9 Am33Te
- 46078 SELLEBY, L. Wood degradation and pulp quality with outside chip storage. 14 p. *Transl.* 15766
Translation from *Svensk Papperstidning* 68 (14):477-481. 1965.
- 46079 SEPPALA, E., and MURTO, J. O. Manufacture of groundwoodlike birch fibres. I. (Fi) *Pap. Puu* 47(11):645-656,658-660. Nov.30,1965. 302.8 P1991
English summary.
- 46080 SETTERHOLM, V. C. Future demand creates new markets for the paper industry. *Amer. Pulpwood Ass. Tech. Pap.*, Jan.1966:14-18. 99.9 Am33Te
- 46081 SHISHKINA, I. V., STROMSKAYA, E. G., and NECHAEVA, S. A. Mercerization of non-dried dissolving pulp. (Rus) *Bumazhn. Promysh.* 7: 9-10. July 1965. 302.8 B88
English summary.
- 46082 SJOSTROM, E., and ENSTROM, B. A method for the separate determination of sulpho and carboxyl groups in sulphite pulps. *Svensk Papperstidn.* 69(3):55-59. Ref. Feb.15,1966. 302.8 Sv2

- 46083 SOLOV'EV, V. A. Contemporary state of pulp and paper industry of France. (Rus) Bumazhn. Promysh. 4:28-30. Apr.1965. 302.8 B88
- 46084 STAUFFACHER, C. B. Why we must mechanize our pulpwood operations. Pap. Trade J. 150(10):65-67. Mar.7,1966. 302.8 P196
- 46085 TARZI, C. End-uses of dissolving pulp. Pulp Pap. Mag. Can. 67(C):T159-T162. 1966. 302.8 P96

Chemical Products and Distillates

- 46086 TEPLITSKAYA, R. A. Pulping with calcium-sodium base liquor. (Rus) Bumazhn. Promysh. 4:17-18. Apr.1965. 302.8 B88
- 46087 TOVBIN, B. M. Cold-soda chemigroundwood. (Rus) Bumazhn. Promysh. 4:6-9. Apr.1965. 302.8 B88
- 46088 ANISIMOVA, K. I., and others. Larch as a source of many useful substances. (Rus) Rastitel'nye Resursy 1(1):74-83. 1965. 450 R18
S. D. Antonovskii, L. A. Belozero, A. F. Zaitseva, and S. D. Shteinbok, joint authors.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:7-8. Sept.1965. Film S-203
- 46089 BRYZGALOV, L. I. Production of furfural in hydrolysis plants. (Rus) Gidrolizn. Lesokhim. Promysh. 8:6-8. 1964. 301.8 G36
From wood.
- 46090 CHILTON, C. H. Finland's CPI: narrow-based but vigorous. Chem. Eng. 73(5):58-60. Feb.28, 1966. 381 EL2
Chemical process industries, including forest products.
- 46091 DAUBEN, W. G., and OBERHANSLL, P. Constituents of hiba wood oil. The isolation and synthesis of two isomeric cuprenenes. J. Org. Chem. 31(1):315-317. Jan.1966. 381 J827
From Thujaopsis dolabrata.
- 46092 DOMBURG, G. E., and GROMOV, V. S. Decomposition of carbohydrates and formation of furfural under the conditions of hydrotropic cooking of hardwood. 11 p. Ref. Transl. 15773
Translation from Khimicheskaya Pererabotka i Zashchita Drevesiny 1964:53-60.
- 46093 DURZAN, D. J., and RICHARDSON, R. G. The occurrence and role of alpha-keto-delta-guainidinovaleric acid in white spruce (*Picea glauca* (Monench) Voss). Can. J. Biochem. 44(1):141-143. Ref. Jan.1966. 470 C16E
- 46094 FEDOROVA, G. A. Chromatographic separation and determination of pyrocatechol. (Rus) Gidrolizn. Lesokhim. Promysh. 5:17-18. 1965. 301.8 G36
From wood.
- 46095 FUJII, M., and KURTH, E. F. The chemical nature of conifer bark phenolic acids; ethanolytic products from Douglas-fir. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(2):92-96. Ref. Feb. 1966. 302.8 T162
- 46096 GARBER, B. M. Supplying hydrolysis plants of eastern Siberia with wood waste material. (Rus) Gidrolizn. Lesokhim. Promysh. 6:26-27. 1965. 301.8 G36
- 46097 GARDNER, J. A. F., and others. Polyoxyphe-nols of western redcedar (*Thuja plicata* Donn). III. Structure of plicatic acid. Can. J. Chem. 44(1):52-58. Ref. Jan.1,1966. 470 C16B
E. P. Swan, S. A. Sutherland, and H. Maclean, joint authors.
- 46098 GROMOV, V. S., and KHROL, L. A. The effect of various salts on the solution of lignin and carbohydrates of deciduous wood during aqueous and hydrotropic digestion. 24 p. Ref. Transl. 15772
Translation from Latvijas PSR Zinatnu Akademija. Vestis 1964:35-52.
- 46099 KAL'NINIA, V. K., KALNIN'SH, A. I., and BEYNART, I. I. Hydrolysis of birch wood in an M-10 vibratory mill in the presence of different catalysts. 13 p. Transl. 15769
Translation from Latvijas PSR Zinatnu Akademija. Vestis 1964:21-29.
- 46100 KISHIMOTO, S. The industrial utilization of charcoal. (Ja) Wood Indus. 20(5):8-12. Ref. 1965. 99.82 M72
- 46101 KOROL'KOV, I. I., and LIKHONOS, E. F. Composition of reducing non-sugars in hydrolyzates. (Rus) Gidrolizn. Lesokhim. Promysh. 3:9-12. 1965. 301.8 G36
From wood.
- 46102 LEVITIN, N. Ether extractives of red pine and possible means of reducing resin exudation. Forest Prod. J. 15(5):215-218. Ref. May 1965. 99.9 F7662J
- 46103 LIKHONOS, E. F., and KOROL'KOV, I. I. Inversion of wood hydrolyzates. (Rus) Gidrolizn. Lesokhim. Promysh. 6:3-4. 1965. 301.8 G36
- 46104 LOV, V., and KOO, W. Y. Isolation of N-methyltryptamine from *Acacia confusa* bark. Lloydia 28(3):207-208. Ref. Sept.1965. 442.8 L77
Taiwan evergreen.
- 46105 LYAMIN, V. A. The yield of products from gasification of bark of coniferous species. (Rus) Gidrolizn. Lesokhim. Promysh. 3:13-14. 1965. 301.8 G36
- 46106 MASLENNIKOV, A. S., and PORYVAEVA, G. N. Determination of acetone in the presence of aldehydes. (Rus) Gidrolizn. Lesokhim. Promysh. 6:10-11. 1965. 301.8 G36
In products of chemical processing of wood.
- 46107 MASLENNIKOV, A. S., and PORYAEVA, G. N. Determination of pyrocatechol in products of chemical processing of wood. (Rus) Gidrolizn. Lesokhim. Promysh. 3:15-16. 1965. 301.8 G36
- 46108 OGIYAMA, K., and KONDO, T. Studies on the chemical constituents of bark of *Symplocos lucida* Sieb. et Zucc. VI. On the configuration of symplacosigenol. (Ja) Jap. Wood Res. Soc. J. 11(2):65-69. Apr.1965. 99.9 J2793
English summary.
- 46109 PASECHNIK, M. S., and TEREGERYA, N. V. A new use for tall oil. (Rus) Bumazhn. Promysh. 7:24. July 1965. 302.8 B88
- 46110 POPANDOPULO, M. K. Improvement of production of wood chemical industry. (Rus) Gidrolizn. Lesokhim. Promysh. 6:19-20. 1965. 301.8 G36
- 46111 RAKITINA, M. A. Standardization in wood chemical industry. (Rus) Gidrolizn. Lesokhim. Promysh. 3:4-5. 1965. 301.8 G36
- 46112 RITCHIE, E., TAYLOR, W. C., and VAUTIN, S. T. K. Chemical studies of the Proteaceae. I. *Grevillea robusta* A. Cunn. and *Orites excelsa* R. Br. Australian J. Chem. 18(12):2015-2020. Ref. Dec.1965. 475 Au73
Phenol and sitosterol extraction.
- 46113 RITCHIE, E., TAYLOR, W. C., and VAUTIN, S. T. K. The constituents of *Melicope broadbentiana* F. M. Bail; the structures of melibentin, melicopol, and methylmelicopol. Australian J. Chem. 18(12):2021-2034. Ref. Dec. 1965. 475 Au73
New flavones from the wood and the bark.
- 46114 SAAYMAN, H. M., and ROUX, D. G. The origins of tannins and flavonoids in black-wattle barks and heartwoods, and their associated "non-tannin" components. Biochem. J. 97(3):794-801. Ref. Dec.1965. 382 B52
Acacia mearnsii.
- 46115 SIDHU, G. S., and SANKARAM, A. V. B. A new naphthoquinone from the heartwood of *Diospyros melanoxylon* Roxb. (Ge) Justus Liebigs Ann. Chem. 691:172-176. 1966. 384 An7
- 46116 SMUK, J. M., and ZOCH, L. L. Influence of sodium xylenesulfonate on the yield of furfural from aqueous acidified xylose solutions. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(2):90-91. Feb.1966. 302.8 T162
- 46117 SOOD, V. K. Remarks on the essential oil of the wood of *Juniperus macropoda*. (Ge) Parfum. Kosmetik 47(2):32-33. Feb.1966. 308.8 D48
English summary.

- 46118 TODA, H. The carbonization of wood waste briquettes in a charcoal kiln. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(163):1-6. Aug. 1965. 99.9 As12S
- 46119 YANAI, H. Studies on the chemical utilization of scrap woods. 2. The preparation of granular active carbons and carbonaceous ion-exchanging substances. (Ja) Wood Indus. 20(9):12-15. 1965. 99.82 M72
English summary.
- 46120 YONEZAWA, Y. Recent trends in the chemical utilization of residues in wood processing and wood industries. (Ja) Wood Indus. 20(8):10-16. 1965. 99.82 M72
- Naval Stores
- 46121 ANDERSON, D. M. W., and others. Studies on uronic acid materials. XI. The carbohydrate component of the oleoresin from *Boswellia papyrifera* (Del.) Hochst. Carbohydr. Res. 1(4):320-323. Ref. Dec.1965. 385 C172
G. M. Cree, J. J. Marshall, and S. Rahman, joint authors.
- 46122 BAGAEV, A. N., VODZINSKII, YU. V., and PYRYAKOVA, A. M. Fractionation of wood tars and their products. II. Single-stage evaporation and true boiling point curves of sedimentation tar from gasification of hardwood species. (Rus) Gidrolizn. Lesokhim. Promysh. 4:9-11. 1965. 301.8 G36
- 46123 BÖSSHARD, H. H. On the exudation of tar oil in pine poles. (Ge) Holz Roh- Werkstoff 23 (12):479-483. Dec.1965. 99.81 H74
English summary.
- 46124 DAUBEN, W. G., and GERMAN, V. F. The structure of lamertianic acid, a new diterpenic acid. Tetrahedron 22(2):679-683. Ref. Feb. 1966. 382 T29
Obtained from the oleoresin of *Pinus lambertiana*.
- 46125 DURAN, L. V. A viscosity-lowering agent based on soluble tar from beechwood. (Rus) Gidrolizn. Lesokhim. Promysh. 4:18-19. 1965. 301.8 G36
- 46126 GAVRILOV, B. I. Organization of resin tapping by geographical zones. (Rus) Gidrolizn. Lesokhim. Promysh. 8:16-17. 1964. 301.8 G36
Pinus.
- 46127 GORDEEV, A. V., and LUGVISHCHIK, V. V. Oleoresin productivity of southern varieties of pines. (Rus) Gidrolizn. Lesokhim. Promysh. 3:17-18. 1965. 301.8 G36
- 46128 JOYE, N. M., LAWRENCE, R. V., and GOUGH, L. J. Presence of sandaracopimaric and $\Delta^8(9)$ -isopimaric acids in pine oleoresin. J. Org. Chem. 31(1):320-321. Jan.1966. 381 J827
- 46129 KADOCHNIKOV, N. A. On resin canals of Siberian larch. Short description of collection methods and processing of material. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:375-383. 1964. (Not in NAL)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:8. Oct.1965. Film S-203
- 46130 KORYSTKINA, V. E., MOISEEVA, E. V., and YAROVIKOVA, T. F. Continuous processing of crude turpentine. (Rus) Gidrolizn. Lesokhim. Promysh. 8:29-30. 1964. 301.8 G36
From pine.
- 46131 KULOMZIN, YU. M. Ways to reduce turpentine costs. (Rus) Gidrolizn. Lesokhim. Promysh. 4:26-28. 1965. 301.8 G36
- 46132 LAWRENCE, R. V., and PERSELL, R. M. Naval stores research—problems & progress. Nav. Stores Rev. Terpene Chem. 75(10):4-6, 18. Jan.1965. 99.81 N22
Activities at the Naval Stores Station, Olustee, Florida of the USDA Agricultural Research Service.
- 46133 MEDNIKOV, F. A., and MALEVA, I. L. Accelerated method of resin tapping. (Rus) Gidrolizn. Lesokhim. Promysh. 5:18-20. 1965. 301.8 G36
- 46134 MEYER, H. L. The international naval stores picture. Nav. Stores Rev. Terpene Chem. 75(10):7-8. Jan.1966. 99.8 N22
- 46135 ORLOV, I. I. The unit of measurement of resin yields at the time of pine tapping. (Rus) Gidrolizn. Lesokhim. Promysh. 8:20. 1964. 301.8 G36
- 46136 PARILOV, P. P., SHUL'GIN, V. A., and PODO-PRIGORINA, T. I. Tapping of pine stands of the IV and V class in the North. (Rus) Gidrolizn. Lesokhim. Promysh. 3:22-23. 1965. 301.8 G36
- 46137 PEJOSKI, B. Non-crystalline balsam from pine resin. (Rus) Gidrolizn. Lesokhim. Promysh. 4:14. Ref. 1965. 301.8 G36
- 46138 PROSZYNSKI, A. T., MICHELL, A. J., and STEWART, C. M. Australian plant gums. I. Classification and identification of gums from arborescent angiosperms. Australia Commonwealth Sci. Indus. Res. Organ. Div. Forest Prod. Technol. Pap. 38, 19 p. Ref. 1965. 99.9 Au75
- 46139 ROSSITER, F. Watchful waiting is the word. Nav. Stores Rev. Terpene Chem. 75(10):10. Jan.1966. 99.81 N22
Naval stores marketing.
- 46140 SCHULLER, W. H. New diepoxides available from pine gum. Nav. Stores Rev. Terpene Chem. 75(10):13. Jan.1966. 99.81 N22
- 46141 SHKAPO, E. E. Improvement of the utilization of pine stands for resin tapping. (Rus) Gidrolizn. Lesokhim. Promysh. 8:20-21. 301.8 G36
- 46142 SMIRNOV, V. V. New developments in resin tapping. (Rus) Gidrolizn. Lesokhim. Promysh. 5:27-28. 1965. 301.8 G36
- 46143 STAIKOS, TH. Production and trade of resinous products; activities of the economical system KOBEPT. (Gre) Dassika Chron. 8(1):22-24. Jan.1966. 99.8 D23
Includes policies.
- 46144 VASIL'EV, A. E. Some theoretical aspects of tapping spruce for resin. (Rus) Gidrolizn. Lesokhim. Promysh. 8:14-15. Ref. 1964. 301.8 G36
In relation to anatomical structure of resin duct system.
- 46145 WOLFE, J. C., and MAPLE, A. A technique for measurement of oleoresin exudation pressure in *Pinus radiata*. Australian Forest Res. 1(4):41-44. 1965. 99.8 Au76
- 46146 YAKOVLEV, G. V. Use of brigades in making chipping cuts. (Rus) Gidrolizn. Lesokhim. Promysh. 5:28-29. 1965. 301.8 G36
- 46147 YUDELEVICH, M., and others. Estudio de resinacion en plantaciones de pino insignie [Study of turpentine in plantations of insignis pine]. Santiago de Chile. Inst. Forest. Inform. Tec. 19, 61 p. Aug.1965. 99.9 Sa53I
N. T. Samson, T. Balaguer, H. Contreras, O. Carrasco, and J. Rodriguez, joint authors.
- Other Forest Products
- 46148 BENNETT, E. Pine cone decorations. Ark. Univ. Ext. Circ. 525, 18 p. Nov.1965. 275.29 Ar4
- 46149 BRUNDAGE, R. C. Marketing Christmas trees. Amer. Christmas Tree J. 10(1):16-18. Ref. Feb.1966. 99.9 C46
- 46150 CAMPBELL, R. The flocked tree: its importance to you, Mr. Tree Grower. Amer. Christmas Tree Growers' J. 9(3):14-15. Aug.1965. 99.9 C46
- 46151 CLEARY, L. Horticultural colorants for trees. Amer. Christmas Tree Growers' J. 9(3):26. Aug.1965. 99.9 C46
- 46152 DOST, W. A. Wood residue uses in the California pine region. Calif. Agr. Exp. Sta. Bull. 817, 26 p. Ref. Oct.1965. 100 C12S
- 46153 ELLEFSON, P., SKOK, R. A., and MILES, W. R. 1964 retail Christmas tree sales in the Twin Cities area. Minn. Forest. Notes 165, 2 p. July 15, 1965. 99.8 M662

- 46154 HAMLIN, M. Transportation of pulpwood chips. Amer. Pulpwood Ass. Tech. Pap., Oct.1965:36-37. 99.9 Am33Te
- 46155 HASEGAWA, S., OKADA, M., and YAMAGISHI, Y. Reaction of particle board made from *Sasa paniculata* to moisture change. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(158):8-11. Ref. Mar.1965. 99.9 As12S
- 46156 IL'ICHEV, A. I., and PETRUK, YU. S. Changes in wood chips put through rotary conveyor-worm. (Rus) Bumazhn. Promysh. 3:19. Mar. 1965. 302.8 B88
- 46157 IWASHITA, M. The trends of the particle board industry. (Ja) Wood Indus. 21(1):2-6. 1966. 99.82 M72
- 46158 JAIN, J. C., and RAO, P. S. Industrial utilization of sandal sapwood. Indian Forest. 92(1):16-18. Jan.1966. 99.8 In2
Various uses of *Santalum album*.
- 46159 KEHR, E., and SCHILLING, W. Investigations on the suitability of various wood species and assortments for particle board manufacture. 7. Oak, aspen, poplar, hornbeam, elm, larch, fir and pine as comparative wood species. (Ge) Holztechnologie 6(4):225-232. Ref. Nov.1965. 99.8 H744
English summary.
- 46160 KORZOV, V. V., and IL'ICHEV, A. I. Transportation of wood chips by trucks. (Rus) Bumazhn. Promysh. 9:18. Sept.1965. 302.8 B88
- 46161 KOSHIZAWA, T. Recent conditions in the fiberboard industry. (Ja) Wood Indus. 20(4):11-18. Ref. 1965. 99.82 M72
- 46162 LAMB, P. J. Grade resisters. Amer. Christmas Tree J. 10(1):30-33. Feb.1966. 99.9 C46
- 46163 LEHMANN, W. F. Simplified test of internal bond in particleboard. Forest Prod. J. 15(5):223-224. May 1965. 99.9 F7662J
- 46164 LJUNGQVIST, K. J. Temperature and moisture variations in chip piles. 18 p. Transl. 15767
Translation from Svensk Papperstidning 68 (16):527-533. 1965.
- 46165 MARDER, M. V. Burning of bark in a combination boiler. (Rus) Bumazhn. Promysh. 3:16-18. Mar.1965. 302.8 B88
Waste bark used as fuelwood.
- 46166 MOROZOV, A. V. Utilization of wood waste as thermal-energy source. (Rus) Les. Prom. 2:18-20. Feb.1965. 99.82 L56
- 46167 NIINO, M. The trend of the fiberboard industry. (Ja) Wood Indus. 21(1):7-11. Ref. 1966. 99.82 M72
- 46168 OKUBO, I., MITSUNAGA, R., and KITAZAWA, M. Effects of surface properties on bond quality between surface materials and particle board. 1. Lamination of particle board with wood. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(161):13-16. June 1965. 99.9 As12S
- 46169 PESEZ, G. A. Chip procurement in the north-east. Amer. Pulpwood Ass. Tech. Pap., Oct. 1965:29-31. 99.9 Am33Te
- 46170 PETRI, L. Mechanical processing of fiberboards at Mohacs which were manufactured with lacquering surface treatment. (Hu) Faipar 15(12):372-374. (Cont.) Dec.1965. 99.82 F14
- 46171 REID, K. M. Measurements of Christmas tree freshness. Amer. Christmas Tree Growers' J. 9(3):35-38,40. Aug.1965. 99.9 C46
- 46172 ROGERS, C. A., BISSELL, L. P., and RUPERT, C. C. Christmas wreath maker's manual. Amer. Christmas Tree Growers' J. 9(3):28-30, 32,34. Aug.1965. 99.9 C46
- 46173 SAITO, T., and others. Experiments on producing particle board from wood waste. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(156):15-20. Jan.1965. 99.9 As12S
T. Anazawa, N. Kitazawa, and R. Mitsunaga, joint authors.
- 46174 SHEPARD, L. Wholesale marketing of Christmas trees. Amer. Christmas Tree J. 10(1):34-36. Feb.1966. 99.9 C46
- 46175 SOWDER, A. M. The bend in the trend. Amer. Christmas Tree Growers' J. 9(3):44-46. Aug. 1965. 99.9 C46
Christmas trees statistics.
- 46176 SUZUKI, H., and others. Factors affecting the molding of dry style fiberboard for extra thin boards. 1. (Ja) Hokkaido Forest Prof. Res. Inst. J. 14(158):3-7. Mar.1965. 99.9 As12S
H. Takahashi, M. Moriyama, and K. Osawa, joint authors.
- 46177 SUZUKI, H. Reflections on the fiberboard industry. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(156):3-11. Jan.1965. 99.9 As12S
- 46178 TAKAMURA, N. The fiberboard industry in Sweden. (Ja) Wood Indus. 21(1):12-15. 1966. 99.82 M72
- 46179 TOMEK, MRS. A. Physico-chemical processes during thermal treatment of wood and their utilization in particle board manufacture. (Hu) Faipar 15(12):377-383. Ref. Dec.1965. 99.82 F14
- 46180 VINOGRADOV, L. N., and others. Wood-particle board binder based on wood-derived phenols. (Rus) Gidrolizn. Lesokhim. Promysh. 5:7. 1965. 301.8 G36
E. G. Ul'zueva, Yu. M. Gol'dshmidt, and I. P. Uvarov, joint authors.
- 46181 YAMAGISHI, Y. Specifications for foreign particle board. 2. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(156):21-24. Jan.1965. 99.9 As12S
English specifications.

WOOD TECHNOLOGY

- 46182 ADLER, E., and others. The benzyl alcohol groups of spruce lignin. (Ge) Holzforschung 20(1):3-11. Feb.1966. 99.8 H74
H. D. Becker, T. Ishihara, and A. Stamvik, joint authors.
English summary.
- 46183 ANDERSON, A. B. Report to the Government of the Philippines on wood chemistry research and development at the Forest Products Research Institute. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1963,18 p. 1965. 281.9 F733E
- 46184 BLAND, D. E. Colorimetric and chemical identification of lignins in different parts of *Eucalyptus botryoides* and their relation to lignification. Holzforschung 20(1):12-16. Ref. Feb.1966. 99.8 H74
- 46185 GALLIGAN, W. L., STERN, H., and HOHEN-SCHUH, P. Manganese distribution in wood by neutron activation analysis. Forest Prod. J. 15(5):185-189. Ref. May 1965. 99.9 F7662J
- 46186 HIGUCHI, T., and KAWAMURA, I. Occurrence of p-hydroxyphenylglycerol-beta-aryl ether structure in lignins. Holzforschung 20(1):16-21. Ref. Feb.1966. 99.8 H74
- 46187 KALMYKOVA, T. M. Hydrolysis of lignocellulose of pine wood using concentrated sulfuric acid. (Rus) Gidrolizn. Lesokhim. Promysh. 4:15-16. 301.8 G36
- 46188 KARNIK, M. G., BHATIA, K., and LAL, J. Hydrolytic studies on fir (*Abies webbiana*) and spruce (*Picea smithiana*). Indian Forest. 92 (1):59-60. Jan.1966. 99.8 In2
- 46189 KLEINERT, T. N. Influence of temperature upon caustic lime demethylation of lignin. Pulp Pap. Mag. Can. 67(2):T111-T112. Ref. Feb.1966. 302.8 P96
- 46190 KOLLMANN, F., and SCHNIEWIND, A. P. Institute for Wood Research and Technology [Institut für Holzforschung und Technologie] at the University of Munich, Germany. Forest Prod. J. 15(5):219-222. May 1965. 99.9 F7662J
- 46191 KOLLMANN, F. International Academy of Wood Science. Int. Ass. Wood Anat. News Bull. 2:2-7. 1965. 99.9 In824
Proposed.

- 46192 KOLLMANN, F. Technical and economical importance of wood research for the wood industry. (Ge) Schweiz. Z. Forstwesen 117(2): 93-107. Feb.1966. 99.8 J82
French summary.
- 46193 KRATZL, K., and others. The degradation of guaiacylglycerol-beta-guaiacyl-ether-alpha-sulfonic acid by alkaline hydrolysis. I-II. (Ge) Holzforschung 20(1):21-30. Ref. Feb.1966. 99.8 H74
E. Risnyovszky-Schafer, P. Claus, E. Wittmann, and S. Spona, joint authors.
English summary.
In lignin.
- 46194 MERRIMAN, M. M., CHOLETT, H., and BRINK, D. L. Oxidative degradation of wood. I. Analysis of products of oxygen oxidation by gas chromatography. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(1):34-39. Ref. Jan.1966. 302.8 T162
Abies concolor.
- 46195 NIMX, H. Ether cleavage in lignin model substances by acetolysis. (Ge) Justus Liebigs Ann. Chem. 691:126-133. 1966. 384 An7
- 46196 PECINA, H. Possibilities for applying fluorochromes and of the natural luminescence of wood in wood research. (Ge) Holztechnologie 6(4):273-277. Ref. Nov.1965. 99.8 H744
English summary.
- 46197 REALE, M. J., and others. Investigations on lignins and lignification. XXXI. Characterization of Metasequoia "milled-wood" lignin. Holzforschung 20(1):31-36. Ref. Feb.1966. 99.8 H74
D. D. Clarke, W. J. Schubert, and F. F. Nord, joint authors.
- 46198 RIFFER, R., and ANDERSON, A. B. Chemistry of the genus Pinus. II. Composition of resin acids in ponderosa pine heartwood (Pinus ponderosa Dougl.) Holzforschung 20(1):36-38. Ref. Feb.1966. 99.8 H74
- 46199 SCHURZ, J. The analytical aspects of cellulose and pulps- main topic of the cellulose chemist's round-table discussion held at the 1965 Baden-Baden annual meeting. (Ge) Papier 20(2):66-85. Ref. (Cont.) Feb.1966. 302.8 P1934
English summary.
Includes abstracts of papers.
- 46200 SEIDL, R. J. Wood scientist: idealist or realist? Forest Prod. J. 16(1):35-38. Jan.1966. 99.9 F7662J
- 46201 SPINNER, I. H., MACKINNON, M. H., and LILLEY, J. W. The effects of iron and copper on the brightness and brightness reversion of oxidized cellulose. Pulp Pap. Mag. Can. 67(C): T114-T118, T162. Ref. 1966. 302.8 P96
- 46202 SPRINGER, E. L. Hydrolysis of aspenwood [Populus deltoides] xylan with aqueous solutions of hydrochloric acid. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(3):102-106. Ref. Mar. 1966. 302.8 T162
- 46203 STERN, W. L. Report to the Government of the Philippines on wood technology research at the Forest Products Research Institute. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1988, 30 p. 1965. 281.9 F733E
- 46204 SUKHANOVSKII, S. I., and others. Chemical composition of the organic part and of ash in hydrolysis lignins. (Rus) Gidrolizn. Lesokhim. Promysh. 5:15-17. Ref. 1965. 301.8 G36
Ye. I. Akhmina, Z. B. Yevstifeeva, and M. V. Kkarlamova, joint authors.
- 46205 SWAN, E. P. Chemical methods of differentiating the wood of several western conifers. Forest Prod. J. 16(1):51-54. Ref. Jan.1966. 99.9 F7662J
- 46206 TANEDA, K. Utilization of lignin by treatment with alkaline aqueous solution containing sulfur. 1. For the manufacture of dimethyl sulfide. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14 (162):1-6. Ref. July 1965. 99.9 As12S
- 46207 TANEDA, K. Utilization of lignin by treatment with alkaline aqueous solution containing sulfur. 2. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14 (164):1-7. Ref. Sept.1965. 99.9 As12S
- 46208 THOMPSON, N. S., and KAUSTINEN, O. A. Orienting studies of the less abundant polysaccharides of conifers. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(2):83-90. Ref. Feb.1966. 302.8 T162
- 46209 YAKOVENKO, G. Z., and AFANAS'EVA, G. A. A rapid method for the determination of moisture content in lignin and in Collectivite. (Rus) Gidrolizn. Lesokhim. Promysh. 3:12-13. 1965. 301.8 G36
- 46210 ZAGOR'E, A. M., and ZAKH, R. G. Combustion of lignin with high moisture content. (Rus) Gidrolizn. Lesokhim. Promysh. 6:6-10. 1965. 301.8 G36

Properties and Structure

- 46211 BEHR, E. A., RADCLIFFE, B. M., and WILKINS, K. O. Strength of plantation grown and second growth red pine poles. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):296-319. Nov. 1965. 100 M58S
- 46212 BERGMANN, R. Industrial woods from overseas. 26. Pitch pine. (Ge) Holztechnik 46(2): 68,77-78. Feb.1966. 99.82 H745
Properties.
- 46213 BODIG, J. The effect of anatomy on the initial stress-strain relationship. Forest Prod. J. 15(5):197-202. Ref. May 1965. 99.9 F7662J
- 46214 BOUTELJE, J. B. On the anatomical structure, moisture content, density, shrinkage, and resin content of the wood in and around knots in Swedish pine (Pinus silvestris L.), and in Swedish spruce (Picea abies Karst.). Svensk Papperstidn. 69(1):1-10. Ref. Jan.15,1966. 302.8 Sv2
- 46215 DOBRESCU, G. M. Frost cracks—types and derived and associated defects. 13 p. Transl. 15774
In wood and lumber.
Translation from Industria Lemnului 12:470-474. 1964.
- 46216 FRITTS, H. C., and others. The variability of ring characteristics within trees as shown by a reanalysis of four ponderosa pine. Tree-Ring Bull. 27(1/2):3-18. Ref. Nov.1965. 99.8 T713
D. G. Smith, C. A. Budelsky, and J. W. Caridis, joint authors.
- 46217 GIBSON, E. J., LAIDLAW, R. A., and SMITH, G. A. Dimensional stabilisation of wood. I. Impregnation with methyl methacrylate and subsequent polymerisation by means of gamma radiation. J. Appl. Chem. 16(2):58-64. Ref. Feb.1966. 382 J82
- 46218 GILBERTSON, C. B., and HINKLE, C. N. Effect of cycling moisture content on lateral load-carrying capacity of three-member nailed wood joints. Amer. Soc. Agr. Eng. Trans. ASAE 8 (3):314-318, 323. 1965. 290.9 Am32T
- 46219 HAYASHI, D., and others. Bonding test of wood based material to metal. (Ja) Wood Indus. 21(2):19-24. Ref. 1966. 99.82 M72
Y. Nakarai, M. Ono, and S. I. Onishi, joint authors.
English summary.
Properties of the wood-based materials bonded.
- 46220 HUNG, Y. C. Introduction to the properties of commercial woods. (Ch) Tai-wan Ts'ai Kung Yeh 33:16; 34:14-15; 35:18-19. Jan.-Mar.1965. 99.8 T133
- 46221 JACOBS, M. R. Stresses and strains in tree trunks as they grow in length and width. Australia. Forest. Timber Bur. Leaflet. 96, 15 p. Ref. 1965. 99.8 Au73
- 46222 KASS, A. J. Shrinkage stresses in externally restrained wood. Forest Prod. J. 15(6):225-232. Ref. June 1965. 99.9 F7662J

- 46223 KEATING, W. G., and GILFEDDER, J. J. Distribution of moisture in treated and untreated poles. *Forest Prod. J.* 15(6):251. June 1965. 99.9 F7662J
- 46224 KLINGA, L. O., and TARKOW, H. Dimensional stabilization of hardboard by acetylation. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(1):23-27. Ref. Jan.1966. 302.8 T162
- 46225 KURATA, H., and ITO, K. Machining, laminating and nailing characteristics of planted larch. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(162):7-11. July 1965. 99.9 As12S
- 46226 LOWERY, D. P. A spiral grain classification system and its application. *Forest Prod. J.* 16(1):47-50. Jan.1966. 99.9 F7662J
- 46227 MANNO, T., MISHIMA, S., and OKUI, T. Studies on the treatment of timber with polyethylene glycol. 2. On the ability of finishing coat on the ski-timber contained polyethylene glycol. (Ja) *Wood Indus.* 20(7):16-22. 1965. 99.82 M72
English summary.
Dimensional stability.
- 46228 MCGINNES, E. A. Extent of shake in Missouri oaks. *Forest Prod. J.* 15(5):190. May 1965. 99.9 F7622J
- 46229 MIYANO, H. Properties of American wood. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(164):24-27. Sept.1965. 99.9 As12S
- 46230 MURAYAMA, T. Radiation graft copolymerization of wood and wood substances. (Ja) *Wood Indus.* 20(11):7-11. Ref. 1965. 99.82 M72
- 46231 NANNON, T., MISHIMA, S., and OKUI, T. Studies on the treatment of timber with polyethylene glycol. 1. On the dimensional stabilization of ski-timber with polyethylene glycol. (Ja) *Wood Indus.* 20(4):19-25. Ref. 1965. 99.82 M72
English summary.
- 46232 NIRO, O. A simple method for determining the bending strength of particle board. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(158):15-16. Mar.1965. 99.9 As12S
- 46233 ONODERA, S., HASHIMOTO, H., and KAWAGUCHI, N. Physical and mechanical properties of Populus wood. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(160):11-18. May 1965. 99.9 As12S
- 46234 OYAMA, Y., and SAITO, M. Studies on resin impregnants of wood. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(163):15-19. Aug.1965. 99.9 As12S
Dimensional stability.
- 46235 PAKHOMOV, I. D. Mechanical properties of Maackia amurensis wood. (Rus) *Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva, Sbornik Trudov* 6:232-239. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:15. Sept.1965.
Film S-203
- 46236 PAKHOMOV, I. D. Mechanical properties of Manchu walnut [Juglans mandshurica] wood. (Rus) *Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva, Sbornik Trudov* 6:240-248. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:15-16. Sept.1965.
Film S-203
- 46237 PASZNER, L., and WILSON, J. W. Influence of fiber chemical constituents on oil-tempering of hardboard. *Forest Prod. J.* 15(5):206-214. Ref. May 1965. 99.9 F7662J
To improve strength and dimensional stability.
- 46238 RADCLIFFE, B. M. A theoretical evaluation of Hankinson's formula for modulus of elasticity of wood at an angle to the grain. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(2):286-295. Ref. Nov.1965. 100 M58S
- 46239 RECK, S. Die Variation und Kovariation einiger anatomischer Holzmerkmale und ihre Beziehung zur Raumdichte bei Fichtenholz [Variation and covariation of some anatomical wood properties and their relation to density in spruce wood]. *Bundesforschungsanst. Forst-Holzwirtsch. Mitt.* 60,120 p. Ref. Oct.1965. 99.9 R273
Review of literature.
- 46240 SALAMON, M. Effects of drying severity on properties of western hemlock. *Forest Prod. J.* 16(1):39-46. Ref. Jan.1966. 99.9 F7662J
Mechanical, physical properties and chemical analysis.
- 46241 SATTLER, H. The effect of some wood properties on the production and quality of cement-bonded wood wool panels of low density. (Ge) *Holztechnologie* 6(4):265-268. Nov.1965. 99.8 H744
English summary.
- 46242 SCHNEIDER, H. Investigations on the behaviour of wood-base board material at impact load and on their dynamic modulus of elasticity and shear. (Ge) *Holz Roh- Werkstoff* 24(2):41-52. Ref. Feb.1966. 99.81 H74
English summary.
Veneer and particle boards.
- 46243 TURNER, N. New and improved solid and laminated wood bending techniques developed at the F.P.R.L. [Forest Products Research Laboratory]. *Timber Plywood Annu.* 1965:28, 30. 99.81 T489A
- 46244 WILFONG, J. G. Specific gravity of wood substance. *Forest Prod. J.* 16(1):55-61. Ref. Jan.1966. 99.9 F7662J
- 46245 YAZAWA, K., and ISHIDA, S. On the wet-heartwood of some broad-leaved trees grown in Japan. II. Seasonal moisture content of yachi-damo and haru-nire by months. *Hokkaido Univ. Fac. Agr. J.* 54(2):123-136. Dec.1965. 107.6 J273J
Fraxinus mandshurica, Ulmus davidiana and Populus maximowiczii.
- 46246 YOKOTA, T. Calculation of diffusion coefficient of moisture through coniferous woods. (Ja) *Jap. Forest Exp. Sta. Bull.* 173:167-175. Ref. Feb.1965. 99.8 R47
English summary.
- 46247 YOKOTA, T., and GORO, K. Diffusion coefficients of water in fiberboards. (Ja) *Jap. Forest Exp. Sta. Bull.* 173:177-182. Feb.1965. 99.8 R47
English summary.
- 46248 YOKOTA, T. Diffusion of water in wood. (Ja) *Wood Indus.* 20(4):2-6. Ref. 1965. 99.82 M72



ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 46249** BOENIGK, W. 25 years of the Dummerstorf Institute for Animal Breeding Research [Institut für Tierzuchtforschung Dummerstorf]. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:5-15, 1965. 18 D4825T
English summary.
- 46250** BRAUNER, W., HAMMITZSCH, G., and PILZ, K. Economic contracts in animal raising. (Ge) Deut. Landwirt. 17(2):71-74. Feb.1966. 18 D4822
Breeding program.
- 46251** FOSSUM, K., LYGSET, O., and AAMDAL, J. Quantitative determination of proteolytic, lipolytic and haemolytic activities in semen of some animal species. Acta Vet. Scand. 6(4): 318-328. 1965. 41.8 Ac87
- 46252** FURTUNESCU, A. Zootehnie generala; selectie si ameliorare [General zootechnics; selection and improvement]. Ed. 2. Bucuresti, Editura Agro-Silvica, 1965. 478 p. Ref. SF105.F8
- 46253** GLUKHOVTSEV, G. D., and VASIN, A. D. On the specificity of biostimulants for control of animals' sterility. (Rus) Veterinariya 12:68-70. Dec.1965. 41.8 V6426
Gonadotropins and pregnant mare's serum.
- 46254** KRAVCHENKO, N. A. Scientific research on livestock breeding farm "Gorki Leninskie." (Rus) Zhivotnovodstvo 1:74-89. Jan.1966. 49 Z6
- 46255** MATOUSEK, J., and SCHROFFEL, J. The inheritance of blood groups in domestic animals and its practical application. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:135-141. Ref. 1965. 18 D4825T
English summary.
- 46256** MILOVANOV, V. K. Basic trends in research of biological reproduction and artificial insemination of livestock. (Rus) Zhivotnovodstvo 1: 6-10. Jan.1966. 49 Z6
- 46257** NISHIKAWA, Y. Artificial insemination of livestock in the world. (Ja) Jap. Vet. Med. Ass. J. 18(7):1-6. (Cont.) 1965. 41.9 J275
- 46258** PARASCHIVESCU, M. Livestock breeding and its role in the production of livestock. (Rum) Rev. Zooteh. Med. Vet. 15(10):33-40. Oct. 1965. 49 P943
- 46259** ROSTOVTSEV, N. F. Research programs in livestock breeding for 1966. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:24-28. Jan.1966. 20 V633
- 46260** SCHAAF, A. Some basic concepts of population genetic and its application in animal breeding. (Ge) Tierzucht 19(12):621-624. Dec. 1965. 49 T443
- 46261** SEARLE, S. R. The value of indirect selection. I. Mass selection. Biometrics 21(3):682-707. Ref. Sept.1965. 442.8 B5224
Applicable to livestock.
- 46262** TACU, A. Statistical methods in the breeding of livestock. (Rum) Rev. Zooteh. Med. Vet. 15(9):40-53; (10):41-50. Sept.-Oct.1965. 49 P943
- 46263** ARRINGTON, L. R., and others. Effects of excess dietary iodine upon rabbits, hamsters, rats and swine. J. Nutr. 87(4):394-398. Dec. 1965. 389.8 J82
R. N. Taylor, C. B. Ammerman, and R. L. Shirley, joint authors.
- 46264** BINDLOSS, A. A. The increasing use of fats in manufactured feeding-stuffs. Vet. Rec. 78 (3):127-129. Jan.22,1966. 41.8 V641
- 46265** BISTRICEANU, C. Measures to improve fodder basis quality in the farm production cooperatives. (Rum) Rev. Zooteh. Med. Vet. 15(11):5-11. Nov.1965. 49 P943
- 46266** BORDEIANU, C. Methods for increasing the fodder base and the effective utilization of livestock feed. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 392:21-31. Sept.20,1965. (JPRS 32,066; TT 64-32559; CSO 2700-N) 173 J663Ste
Pasture management in Rumania.
Translation from Scinteia, Aug.17,1965:3.
- 46267** BRETTE, A. Synthetic amino acids. (Fr) Rev. Elevage 20(spec.no.38):31,33-34,37,41. 1965. 49 B462
For livestock feeding.
- 46268** BRETTE, M. A. Application of the linear programming in formulation of feeds. (Fr) Indus. Aliment. Anim. 166:49-51,53,55,57,59,61,63,65-67. Dec.1965. 389.78 In2
Includes discussion.
- 46269** BRION, A. The D vitamins, the K vitamins, vitamin E, and veterinary pathology. (Fr) Rev. Elevage 20(spec.no.38):111-112,115,117-118. 1965. 49 B462
- 46270** BUGDOL, G. The element content of various grassland and forage plants on shell chalk and medium red sandstone soils in Thuringia. II. Phosphorus, potassium, and sodium content. (Ge) Z. Landwirt. Versuchs- Untersuchwesen 10(6):523-539. Ref. 1964. 18 Z32
English summary.
Nutritive value.
- 46271** BYRD, C. A., and MATRONE, G. Investigations of chemical basis of zinc-calcium-phytate interaction in biological systems. Soc. Exp. Biol. Med. Proc. 119(2):347-349. Ref. June 1965. 442.9 So1
In animal nutrition.
- 46272** CLARK, N. A. How to produce better corn silage. Md. Univ. Ext. Fact Sheet 171,2 p. Sept. 1965. 275.29 M36Fa
- 46273** COLEOU, J. Feed supplements in the development of stock raising. (Fr) Rev. Elevage 20 (spec.no.38):7,9,11-12,15-16,18,20-21. 1965. 49 B462
- 46274** CONGRES NATIONAL DES INDUSTRIES DE L'ALIMENTATION ANIMALE, 5, PARIS, 1965. [Proceedings]. II. (Fr) Indus. Aliment. Anim. 166:29-32,35-51,53,55,57,59,61,63,65-67. Dec. 1965. 389.78 In2
- 46275** CROCHET, S. L. Blackstrap molasses vs. cane molasses. Sugar News [Manila] 41(12):750,752, 754-755. Dec.1965. 65.8 Su36
Quality as feed; include analysis.
- 46276** EDEL'SHTEIN, M. M. Comparative evaluation of nutritive value of some varieties of forage lupine under conditions of Moscow Region. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:149-156. 1965. 20 M857
- 46277** EGEDE, K. Vacuum ensiling; interesting experiments with the use of plastic. (Da) Tolvmandsbladet 37(9):455-457. Sept.1965. 11 T58
- 46278** FALLER, H. Healthy animals through proper fertilizing. (Ge) Ubersicht 17(2):106-110,112. Feb.12,1966. 18 Ub3
Fertilizing of forage plants to increase their nutritive value.
- 46279** FELDOLDY, L. Experiences and perspectives of alga-growing. (Hu) Iregszemcse. Delkedunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):164-168. 1965. 105.9 Ir2
English summary.
In relation to feeding and protein supply of animals.
- 46280** FERRANDO, R. Bases and scientific perspectives in the animal feeding industry. (Fr) Indus. Aliment. Anim. 166:31-32,35-45. Dec. 1965. 389.78 In2
Includes discussion.

FEEDS AND FEEDING

- 46281 FERRANDO, R., and HENRY, N. Studies on the nutritive value of meat meals. 6. Effect of imbalance of amino acids of connective tissues and collagen. (Fr) *Rec. Med. Vet.* 141(12): 1221-1226. Dec. 1965. 41.8 R24
English summary.
- 46282 FLATT, W. P. Energy values of feeds—how should they be expressed? *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:13-29. Ref. 1965. 389.79 W94
Feed digestibility by livestock.
- 46283 FRANCOIS, A. Antibiotics in animal nutrition. (Fr) *Rev. Elevage* 20(spec.no.38):143-145,147-148,150-152,155. 1965. 49 B462
- 46284 FRANCOIS, A. The indispensable vitamin A. (Fr) *Rev. Elevage* 20(spec.no.38):85-86,89,91, 93-94,97-98,101-102,105,107-108. 1965. 49 B462
- 46285 GALYAMIN, L. N. Effect of aeration on accumulation of protein in yeasts grown on feed mixtures. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:130-134. Jan. 1966. 20 V633
English summary.
Processing.
- 46286 GFROERER, F. Experiences in the production of quality silage in high and flat silos with attention to cost factors. (Ge) *Bayer. Landwirt. Jahrbuch* 42(spec.no.2):117-131. 1965. 18 L24
- 46287 GRASHUIS, J. Minor elements in the feeding of ruminants. (Fr) *Rev. Elevage* 20(spec.no. 38):43-44,47-48,51-52,55. 1965. 49 B462
- 46288 HANSEN, K. Ensiling of forage grain. (Da) *Landbonyt* 19(10):368. Oct. 1965. 11 L2322
- 46289 HAUGSE, C. N., and DINUSSON, W. E. Wheat satisfactory feed for livestock. *N. Dak. Farm Res.* 24(2):4-7. Nov./Dec. 1965. 100 N813B
Cattle, lambs, swine; chiefly fattening.
- 46290 HENNIG, A., and others. Possibilities of using synthetic amino acids in feeding. (Ge) *Deut. Landwirt.* 16(12):505-508. Ref. Dec. 1965. 18 D4822
G. Powelleit, W. Kracht, K. Gruhn, and H. Jeroch, joint authors.
- 46291 HOFFMANN, L. Models for the prediction of production on the basis of net energy and utilizable energy. (Ge) *Arch. Tierernahr.* 15(6): 487-506. Ref. Dec. 1965. 389.78 Ar22
English summary.
Feed efficiency.
- 46292 JOHNSON, R. R., and others. The effect of corn plant maturity and urea-limestone treatment on silage quality. *Ohio. Agr. Res. Develop. Center. Res. Sum.* 7:10-13. Jan. 1966. 100 Oh3Rs
K. E. McClure, L. J. Johnson, and E. W. Klosterman, joint authors.
- 46293 JOHNSON, R. R., and others. Studies on urea and diammonium phosphate additions to corn silage. *Ohio. Agr. Res. Develop. Center. Res. Sum.* 7:14-18. Jan. 1966. 100 Oh3Rs
E. W. Klosterman, K. E. McClure, and L. J. Johnson, joint authors.
- 46294 KAIMYKOV, S. T., and BELYAEV, M. G. Quantitative determination of urea in feed and water. (Rus) *Veterinariya* 12:61-62. Dec. 1965. 41.8 V6426
- 46295 KIRK, J. K. Livestock additives—the requirements of our contract. *M. S. (Mich. State) Univ. Vet.* 26(1):14-17. Fall 1965. 41.8 M582
Food and Drug Administration's relations to the manufacturers of feeds containing drugs.
- 46296 KOLEN'KO, E. I., and ZDORIK, O. V. Effects of preservatives on microorganisms in corn silage. (Rus) *Khim. Sel'skom Khoz.* 4(1):52-55. Ref. Jan. 1966. 385 K524
- 46297 KURNIK, E. Situation of the protein supply of our livestock and possibilities for its development. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyei* 5(1):13-36. 1965. 105.9 Ir2
English summary.
Includes protein-rich forage cultivation.
- 46298 LAMAND, M. Selenium in animal nutrition. (Fr) *Rev. Elevage* 20(spec.no.38):76-77,79-80, map. 1965. 49 B462
Especially its importance in muscle diseases in France.
- 46299 LAMMING, G. E. Nutrition and the endocrine system. *Nutr. Abs. Rev.* 36(1):1-13. Ref. Jan. 1966. 389.8 N95
Review of literature.
Animals.
- 46300 LAUBE, W. On feed value and use of dried green forage. (Ge) *Deut. Landwirt.* 17(2):99-101. Feb. 1966. 18 D4822
- 46301 LEVITT, M. S., and O'BRYAN, M. S. Studies on grass silage from predominantly *Paspalum dilatatum* pastures in south-eastern Queensland. 3. Influence of fertilization with nitrogen and method of harvesting on silages with and without the addition of molasses. *Queensland J. Agr. Anim. Sci.* 22(2):109-123. Ref. June 1965. 23 Q37
- 46302 MCCAULEY, J. E., PEACOCK, F. M., and HODGES, E. M. Effect of feed additives on preservation and feeding value of pangolagrass silage. *Fla. Agr. Exp. Sta. Tech. Bull.* 697, 15 p. Oct. 1965. 100 F66S
Citrus molasses, citrus pulp, and ground snapped corn added.
- 46303 MCMAHAN, C. A. Suitability of grazing enclosures for deer and livestock research on the Kerr Wildlife Management Area, Texas. *J. Wildlife Manage.* 30(1):151-162, map. Ref. Jan. 1966. 410 J827
- 46304 MEZ, E. Urea in livestock nutrition. (It) *Ital. Agr.* 102(12):1101-1106. Dec. 1965. 16 It1
- 46305 NARINIYANTS, G. R., and TARANOV, M. T. Losses of nutritive substances during chemical processing and ensiling of sugar beets. (Rus) *Khim. Sel'skom Khoz.* 3(12):59-62. Ref. Dec. 1965. 385 K524
- 46306 NATIONAL LIVESTOCK FEEDERS ASSOCIATION. Resolutions adopted, 1966. *Livestock Feeder* 13(6):12,14-15. Mar. 1966. 49 L759
- 46307 OBRADOVIC, M. Technology and utilization of forage plants in the mountain areas. (Se) *Stocarstvo* 19(1/2):10-16. Jan./Feb. 1965. 43.8 St6
- 46308 PERSSON, S., and NORDKVIST, M. Rennaringen; tillskottsfodring under ogynnsamma vinterbetesforhallanden [Reindeer nutrition; supplementary feeding during unfavorable winter pasture conditions]. Sweden. *Lantbruksstyrelsen. Medd. Ser. B, Lantbruksavd.* 60, 24 p. 1966. 11 Sw3Me
- 46309 PETROVSKY, R., and others. Plastics for covering silage. (Rum) *Rev. Zooteh. Med. Vet.* 15(9):27-39. Ref. Sept. 1965. 49 P943
G. Marinescu, N. Dinu, B. Wolf, M. Vintila, and I. Dunca, joint authors.
- 46310 PFULB, K. How much should green forage be wilted for silage? (Ge) *Chem. Tech. Landwirt.* 16(7):201-202,204. July 1965. 384 C4292
- 46311 RAYMOND, W. F., and SPEDDING, C. R. W. The effect of fertilisers on the nutritive value and production potential of forages. *Fert. Soc. Proc.* 88,34 p. 1965. 57.9 F41
Discussion, p.20-34.
- 46312 REVUE DE L'ELEVAGE. Des additifs alimentaires [Feed supplements]. *Rev. Elevage* 20 (spec.no.38),162 p.,map. 1965. 49 B462
- 46313 SHARABRIN, I. G., and RUDNEV, A. A. Full feeding is the basis of animal disease prophylaxis. (Rus) *Veterinariya* 12:78-82. Dec. 1965. 41.8 V6426
Green cut forage plants; includes soilless culture.
- 46314 SHMILLIAR, M., and SZEMZO, B. The role played by the growing of roots and tubers in the protein supply. (Hu) *Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyei* 5(1):105-110. 1965. 105.9 Ir2
English summary.
Importance in livestock feeding.

- 46315** SMITH, S. E., and LOOSLI, J. K. The mineral and vitamin requirements of livestock. Cornell Univ. Ext. Cornell Ext. Bull. 1149, 15 p. Sept. 1965. 275.29 N48E
Cattle, swine, and sheep.
- 46316** STEGER, H. On the effects of feeding marrow cabbage on the chemical and physiological reactions in ruminants. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:67-75. 1965. 18 D4825T
English summary.
- 46317** STICHTING C.L.O.-CONTROLE. Wetenschap voor de praktijk; korte samenvattingen van de voordrachten gehouden op de C.L.O.-studiedagen over veevoedingsvraagstukken en aanverwante problemen op 9 en 10 februari in Tivoli te Utrecht [Science for practice; brief summaries of addresses given at the C.L.O. study sessions on livestock feeding problems and related problems on February 9 and 10 in Tivoli, Utrecht]. Hoogland, 1966. 96 p. 389.79 C732
- 46318** SUTHERLAND, T. M. The correlation between feed efficiency and rate of gain, a ratio and its denominator. Biometrics 21(3):739-749. Sept. 1965. 442.8 B5224
- 46319** TARANOV, M. T. Khimicheskoe konservirovanie kormov [Chemical preservation of feeds]. Moskva, Kolos, 1964. 199 p. Ref. SB195.T3
Chiefly silage.
- 46320** TISSERAD, J. L. Urea: a source of nitrogen for ruminants. (Fr) Rev. Elevage 20(spec.no. 38):25,27,29. 1965. 49 B462
- 46321** VANSCHOUBROEK, F. Pros and cons of the use of estrogens and goitrogens in fattening ruminants and poultry. (Fl) Vlaams Diergeneesk. Tijdschr. 34(11):341-357. Ref. Nov. 1965. 41.8 V84
English summary.
- 46322** VINTIKA, J. The relation between agricultural and pharmaceutical research and its perspectives. (Cz) Agrochemia [Bratislava] 5(5):129-130. 1965. 385 Ag88
English summary.
Chiefly chemicals in feed and effect on animals.
- 46323** WACKER, H. Preservation of forage potatoes today. (Ge) Chem. Tech. Landwirt. 16(8):264-266. Aug. 1965. 384 C4292
Includes ensiling and drying.
- 46324** WASHINGTON ANIMAL NUTRITION CONFERENCE, 18, BELLEVUE, 1965. Proceedings. Bellevue, 1965. 141 p. 389.79 W94
Sponsored jointly by Washington State University and the Washington State Feed Association.
- VETERINARY MEDICINE**
- 46325** ADAMESTEANU, I., GHERGARIU, S., and SALANTIU, V. Antibiotics and chemotherapeutics administered in citrated homologous blood. (Rum) Rev. Zooteh. Med. Vet. 15(12):40-44. Dec. 1965. 49 P943
English summary.
- 46326** ALLAWAY, W. H., and CARY, E. E. The environmental background of selenium deficiency diseases. Feedstuffs 38(1):62,64-66. Ref. Jan. 8, 1966. 286.81 F322
- 46327** ALLCOCK, J. The Veterinary Surgeons' Bill. Vet. Rec. 78(3):114-117. Jan. 15, 1966. 41.8 V641
J. R. Holmes, L. M. Whittard, B. T. Wicks, P. L. Brown, J. M. Owen, A. N. Jordan, and A. L. Warren, joint authors.
Great Britain.
- 46328** ANDREWS, R. D., and FERRIS, D. H. Relationships between movement patterns of wild animals and the distribution of leptospirosis. J. Wildlife Manage. 30(1):131-134, map. Ref. Jan. 1966. 410 J827
- 46329** ARCHER, R. K. Haematological techniques for use on animals. Philadelphia, Davis, 1965. 135 p. Ref. SF774.A7
- 46330** ARKHIPOV, V. V., and others. The prospects of application of radiational sterilization in veterinary medicine. (Rus) Veterinariya 12:82-84. Dec. 1965. 41.8 V6426
L. S. Lurie, N. S. Prokofiev, and V. G. Krushchev, joint authors.
Radioactive cobalt and cesium.
- 46331** ASHIZAWA, H. Pathological studies on Fascioliasis. IV. Pathological changes of liver in animals artificially infected with Fasciola sp. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):189-221. Ref. Mar. 1965. 22.5 M6932B
English summary.
- 46332** AUSTIN, F. H., and KELLY, W. R. Sulpha-methylphenazole—a new long-acting sulphonamide. II. Vet. Rec. 78(6):192-196. Feb. 5, 1966. 41.8 V641
- 46333** AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Viruses that threaten livestock. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 51:12-17. June 1965. 23 R88
- 46334** AUSTRALIAN VETERINARY ASSOCIATION. Forty-second annual general meeting. Australian Vet. J. 41(8):241-264. Aug. 1965. 41.8 Au72
Highlights, resolutions, and discussions on conference papers.
- 46335** AZEVEDO, J. F. DE, and ROMBERT, P. C. Application of the immunofluorescence technique in the diagnosis of fascioliasis. (Fr) Ann. Parasitol. Humaine Comp. 40(5):529-542, map. Ref. Sept./Oct. 1965. 436.8 An7
Includes livestock.
- 46336** AZIMOV, I. M. Carriers of Trichophyton gypsum group. (Rus) Veterinariya 12:22. Dec. 1965. 41.8 V6426
Includes rats.
- 46337** BADA KHSH, F. F., and FOSTER, J. W. Detoxification and immunogenic properties of endotoxin-containing precipitate of Brucella abortus. J. Bacteriol. 91(2):494-498. Ref. Feb. 1966. 448.3 J82
- 46338** BAKULOV, I. A., and KOTLYAROV, V. M. Epizootiology of listeriosis in the USSR. (Rus) Veterinariya 12:28-31. Ref. Dec. 1965. 41.8 V6426
- 46339** BARANOV, K. P. The means of trichophytosis eradication. (Rus) Veterinariya 12:23. Dec. 1965. 41.8 V6426
- 46340** BARNETT, K. C. Retinal atrophy. Vet. Rec. 77(51):1543-1560. Ref. Dec. 18, 1965. 41.8 V641
Includes discussion.
- 46341** BEHRINGWERKE. Wissenschaftliche Arbeiten [Scientific works], 1965. Marburg, 1965. various paging. 41.9 B392
Reprint of 38 papers chiefly on virus and vaccine research.
- 46342** BERKMEN, L. History and developmental trends of veterinary professional organizations in Turkey. (Ge) Tierarztl. Umsch. 21(1):26-33. Jan. 1, 1966. 41.8 T445
- 46343** BEYER, D. Coordinated veterinary planning. (Da) Danske Dyrlægefor. Medlemsbl. 49(2):71-72. Jan. 15, 1966. 41.9 D23
- 46344** BOCH, J., and others. Toxoplasma infections of slaughter animals (swine, cattle, poultry). (Ge) Arch. Lebensmittelhgy. 16(11):241-242. Nov. 1965. 41.8 L49
M. Rommel, K. Janitschke, and R. Sommer, joint authors.
- 46345** BOCQUET, H. Congenital malformations and their causes—incidences of ionizing radiation. (Fr) Cah. Med. Vet. 34(6):219-262. Ref. Nov./Dec. 1965. 41.8 C11
- 46346** BOERO, J. J. Modern therapeutics in parasitology. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):277-280. July/Aug. 1965. 41.8 B86
Treatment of pathogenic protozoa, helminths, and arthropods.

- 46347** BRITISH SOCIETY FOR PARASITOLOGY. Proceedings of this meeting, 1965. Parasitology 55(4):1P-24P. Nov.1965. 448.8 P21
Includes livestock.
- 46348** BROWN, F., and MARTIN, S. J. Base composition of ribosomal ribonucleic acid fractions from five mammalian tissue-culture strains. Biochem. J. 97(2):20C-22C. Nov.1965. 382 B52
- 46349** BRUGGEMANN, J., and others. Deposition of tetracycline in the bones of animals given it in the food. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):59-74. Ref. Jan.1966. 41.8 Z5
U. Losch, M. Merkschlager, and I. Offterdinger, joint authors.
English summary.
- 46350** BRUGGEMANN, J., and NIESAR, K. H. Structure and equipment of the radiochemical and radiobiological section in the Institute of Animal Physiology and Nutrition of the University of Munich [Institut für Physiologie und Ernährung der Tiere]. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):685-690. Dec.1965. 41.8 Z52
English summary.
- 46351** BUBIEN, Z., and KOTZ, J. Intoxications of domestic animals with corn cockle seeds. (Pol) Med. Weter. 21(8):458-460. Ref. Aug. 1965. 41.8 M463
English summary.
Agrostemma githago.
- 46352** BUTLER, W. F., and others. The Veterinary Surgeons' Bill. Vet. Rec. 78(6):214-216. Feb.5,1966. 41.8 V641
Great Britain.
- 46353** CACCHIONE, R. A. It is fifty years since the discovery of the leptospirae. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):255-258,261-262. July/Aug.1965. 41.8 B86
Especially as cause of animal diseases.
- 46354** CALVET, H., and others. Aphosphorosis and botulism in Senegal. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)18(3):249-282, map. Ref. 1965. 41.8 R3262
P. Picart, M. Doutre, and J. Chambron, joint authors.
English summary.
An animal disease, with special study of the condition in cattle.
- 46355** CAPATINA, V., and others. Mechanical device for the stabilization of rumen during its surgery. (Rum) Rev. Zootech. Med. Vet. 15 (10):72-74. Oct.1965. 49 P943
E. Muresan, R. Magda, and I. Istrate, joint authors.
- 46356** CASTIGLIONE, C., and BOTTICELLI, S. Parasitosis of animals killed in the public slaughterhouse in Teramo. (It) Vet. Ital. 16(8/9):607-616. Aug./Sept.1965. 41.8 C87
- 46357** COLES, D. Keeping knowledge up to date. Vet. Rec. 77(46):1379-1380. Nov.13,1965. 41.8 V641
Education of veterinarians in Great Britain.
- 46358** CSISZAR, V. Education and training of food hygiene specialist veterinarians. (Hu) Elelmezési Ipar 20(1):30-31. Jan.1966. 290.9 M57
English summary.
- 46359** CSISZAR, V. On the meat control performed along the mechanized slaughter line as well as on the trichinoscopy with regard to the fatigue. (Hu) Magyar Allatorv. Lapja 20(12):532-535. Dec.1965. 41.8 V644
English summary.
- 46360** CUREGHEM. FACULTE DE MEDECINE VETERINAIRE. Report of activities, academic year 1964-1965, by the rector, A. Lousse. (Fr) Ann. Med. Vet. 109(7):449-461. Nov.1965. 41.8 An78
- 46361** DALSGAARD, H. On disease registration. (Da) Danske Dyrægefor. Medlemsbl. 49(2):76-78. Jan.15,1966. 41.9 D23
Livestock.
- 46362** DALSGAARD, H. Practising veterinarians and the regional laboratories. (Da) Danske Dyrægefor. Medlemsbl. 49(2):66-69. Jan.15, 1966. 41.9 D23
- 46363** DARDA, P. N., SALAZHOV, E. L., and AN-TONYUK, V. P. Antigenic properties of strain A foot-and-mouth disease virus. (Rus) Veterinariya 1:20-22. Jan.1966. 41.8 V6426
- 46364** DELAK, M. Thiabendazole in the treatment of verminosis of sheep, cattle and horses. (Se) Vetserum 13(7/8):302-306. Ref. 1965. 41.8 V6459
- 46365** DENMARK. VETERINAERDIREKTORATET. Arsberetning [Annual report of the Veterinary Board], 1964. Kobenhavn, 1966. 60 p., map. 41.9 D413
French summary.
- 46366** DENMARK. VETERINAERE SUNDHEDSRAD. Arsberetning, ved Sv. Andersen [Annual report of the Veterinary Health Board, by Sv. Andersen], 1964. Kobenhavn, 1965. 96 p. 41.9 D412
Chiefly legal aspects of veterinary medicine.
- 46367** DEUTSCHE VETERINARMEDIZINISCHE GESELLSCHAFT. AUSSCHUSS FÜR RADIOAKTIVITÄT UND STRAHLENBIOLOGIE. Symposium, 1, Munich. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):549-692. Dec.1965. 41.8 Z52
English summaries.
Themes: 1, The effect of radioactive nuclides and ionizing radiation on animals as well as protection measures; 2, Radioactivity in food of animal origin; 3, Artificial radioisotope as metabolism indicators.
- 46368** DOBBELAAR, M. J., and GULDEN, W. J. I. VAN DER. Ten years of experience with a Central Animal Laboratory [Centraal Dierenlaboratorium, Nijmegen]. (Du) Tijdschr. Diergeneesk. 91(1):39-43. Jan.1,1966. 41.8 T431
English summary.
Discussion, p.43-46.
- 46369** ENGELHARDT, W. VON, and others. Measurement of exchange processes across the wall of rumen and abomasum using markers and radioisotopes. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):669-675. Ref. Dec.1965. 41.8 Z52
H. Hornicke, W. Nickel, and H. J. Ehrlein, joint authors.
English summary.
- 46370** ERCEGOVAC, D. Further contributions to knowledge of the time during which rabies virus is bound. Zentralbl. Veterinarmed. Reihe B, 12 (6):527-536. Ref. Nov.1965. 41.8 Z52
In man.
- 46371** EWY, Z. Oxytocin and oxytocinase system in animals. (Pol) Med. Weter. 21(6):353-356. Ref. June 1965. 41.8 M463
- 46372** FIELDEN, E. D. Avoiding health hazards on the farm. Massey Univ. Dairyfarming Annu. 1965:135-147. 44.9 M382
Livestock disease transmission to man.
Includes discussion.
- 46373** FIGUEIRAS, H. D. Some applications of radioisotopes in diagnosis in veterinary clinical medicine. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):265-267. Ref. July/Aug.1965. 41.8 B86
- 46374** FILIPPOVICH, S. M. Experiment in obtaining typical and variant serums for the complement fixation test in foot-and-mouth disease. (Rus) Veterinariya 1:108-109. Jan.1966. 41.8 V6426
- 46375** FOLLEY, S. J., and KNAGGS, G. S. Milk-ejection activity (oxytocin) in the external jugular vein blood of the cow, goat and sow, in relation to the stimulus of milking or suckling. J. Endocrinol. 34(2):197-214. Ref. Feb.1966. 448.8 J8293
- 46376** FORD, E. J. H. The ruminant liver. Vet. Rec. 77(50):1507-1516. Ref. Dec.11,1965. 41.8 V641
Review of literature; chiefly liver function tests.
Includes discussion.

- 46377 FRATTA, I., and MANN, P. H. Bacteriological typing of *Staphylococcus* [aureus] coagulase positive strains isolated from various domestic animals other than bovines. (It) Arch. Vet. Ital. 16(5):331-335. Ref. Oct.31,1965. 41.8 Ar25
English summary.
Using bacteriophages.
- 46378 FRITSCHI, E. The situation of rabies in Europe with emphasis on Switzerland. (Ge) Schweiz. Arch. Tierheilk. 107(12):656-669, map. Dec.1965. 41.8 Sch9
English summary.
- 46379 GALA, R. R., and REECE, R. P. In vitro lactogen production by anterior pituitaries from various species. Soc. Exp. Biol. Med. Proc. 120(1):263-624. Ref. Oct.1965. 442.9 Sol
Livestock.
- 46380 GALUZO, I. G., ed. Toksoplazmoz zhivotnykh [Toxoplasmosis of animals]. Alma-Ata, Nauka Kazakhskoi SSR, 1965. 528 p. SF810.T6G3
Bibliography, p.474-507.
Includes contents and summary in English.
- 46381 GIBBONS, W. J. How to diagnose neurologic disorders in large animals. Mod. Vet. Pract. 47(1):34-37. Jan.1966. 41.8 N812
- 46382 GIMENO, E. J. Some practical considerations on epizootiology. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):247-248, 251-253. July/Aug.1965. 41.8 B86
- 46383 GOLDBLATT, L. A. Aflatoxin. Ass. Food Drug Offic. U. S. Quart. Bull. 29(4):158-169. Ref. Oct.1965. 389.9 As7Q
Found chiefly in peanut meal as feed.
- 46384 GOLDBLATT, L. A. The mycotoxin problem. Oil Mill Gaz. 70(3):16-22. Ref. Sept.1965. 307.8 Oi53
Chiefly aflatoxin in peanut and cottonseed meal.
- 46385 GOLIN, P. I. The 45th anniversary of the Soviet Daghestan veterinary service. (Rus) Veterinariya 12:6-8. Dec.1965. 41.8 V6426
- 46386 GOYON, M. Application of three serological tests for discovering animal brucellosis in Sarthe; first results bearing on 4,362 sera. (Fr) Rec. Med. Vet. 141(12):1203-1208. Dec. 1965. 41.8 R24
English summary.
- 46387 GREAT BRITAIN. MINISTRY OF OVERSEAS DEVELOPMENT. Sixth seminar on trypanosomiasis, organized by the Trypanosomiasis Advisory Panel, Oct.8, 1965. Roy. Soc. Trop. Med. Hyg. Trans. 60(1):117-127. 1966. 448.9 R813
Includes abstracts of papers on livestock and wildlife infection, and insect vectors.
- 46388 GRICE, H. C., ZAWIDZKA, Z. Z., and BEARE, J. L. Comparative pathologic and hematologic effects in various species fed cholesterol and fats. Can. J. Comp. Med. Vet. Sci. 30(2):42-46. Feb.1966. 41.8 C162
Rabbits, poultry, and guinea pigs.
- 46389 GROUPEMENT DES PROTISTOLOGUES DE LANGUE FRANCAISE. Troisieme reunion, 1964—compte rendu [Third meeting, 1964—proceedings]. Arch. Zool. Exp. Gen. 105(2):77-307. Ref. June 1965. 410 Ar24
Includes parasites of livestock.
- 46390 HARA, F., and others. A status quo survey of brucellosis. (Ja) Jap. Vet. Med. Ass. J. 18 (7):37-39. 1965. 41.9 J275
K. Iwasaki, H. Kuno, M. Iwata, Y. Tsuchie, K. Matsui, A. Hashine, Y. Kato, J. Kachibe, and T. Shitane, joint authors.
- 46391 HARMEYER, J. Metabolic studies of isolated rumen protozoa labelled with ^{14}C compounds. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7): 676-684. Ref. Dec.1965. 41.8 Z52
English summary.
- 46392 HARTIG, F. Reflections on the functional structure of fascia. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):85-95. Ref. Jan.1966. 41.8 Z5
English summary.
- 46393 HAUSMANN, W. Uslugaledinna—the first veterinarian of history. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(4):73. Feb.15, 1966. 41.8 B45
- 46394 HILL, H. Recent results in the physiology of the omasum of ruminants. (Ge) Z. f. Tierphysiol. Tierernahr. u. Futtermtlk. 20(3):198-200. Ref. Aug.1965. 389.78 Z3
- 46395 HOFSTRA, H. Practice miscellany. (Du) Tijdschr. Diergeneesk. 91(2):109-111. Jan.15, 1966. 41.8 T431
Veterinary medicine.
- 46396 HORAK, I. G. Studies on paramphistomiasis. VII. The immunisation of sheep, goats and cattle; preliminary report. S. Afr. Vet. Med. Ass. J. 36(3):361-363. Sept.1965. 41.8 So8
- 46397 HOWELL, D. G. SYMPOSIUM: principles of immunisation in animals and man. I.-II. Vet. Rec. 77(47):1391-1406. Ref. Nov.20,1965. 41.8 V641
Papers by D. G. Howell, and R. G. Gillies.
Includes discussion.
- 46398 HSU, J. K., and CH'EN, M. K. Developments in research on SB-58 treatment of schistosomiasis japonica. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 278: 73-89. (JPRS 33,759; TT 66-30202) Jan.17, 1966. 173 J663Tcco
Includes veterinary use.
Translation from K'o-Hsueh T'ung-Pao 11: 978-985. Nov.1965.
- 46399 IOWA VETERINARY MEDICAL ASSOCIATION. 84th annual meeting. Iowa Vet. 37(2):7-22. Mar./Apr.1966. 41.8 Io9
- 46400 JAKSCH, W. Mycoses of animals as infection sources for men. (Ge) Wien. Tierarztl. Monatsschr. 52(7):723-725. July 1965. 41.8 T345
- 46401 JANSEN, J. Veterinarians-artists. (Du) Tijdschr. Diergeneesk. 91(2):117-118. Jan.15, 1966. 41.8 T431
Yugoslavia.
- 46402 JEANLOZ, R. W., and BALAZS, E. A., ed. The amino sugars, the chemistry and biology of compounds containing amino sugars. IIA. Distribution and biological role. New York, Acad. Press, 1965. 591 p. Ref., p.463-563. QP701.J4
Review of the literature.
Includes livestock and plants.
- 46403 JECMEN, J. Water for injection in the light of previous and modern regulations. (Se) Vetserum 13(7/8):307-308. 1965. 41.8 V6459
- 46404 JORGENSEN, W. The regional laboratories and requirements of future agriculture to veterinary service. (Da) Danske Dyrlegefor. Medlemsbl. 49(2):59-66. Jan.15,1966. 41.9 D23
- 46405 JOURNEES VETERINAIRES DE TOULOUSE. Ninth session, June 11,12,13, 1965. (Fr) Cah. Med. Vet. 34(15):159-166. Sept./Oct.1965. 41.8 C11
Summaries of five papers presented on brucellosis.
- 46406 KAEMMERER, K. Compatibility of German commercial coccidiostats. III. (Ge) Tierarztl. Umsch. 21(1):11-21. Ref. Jan.1,1966. 41.8 T445
- 46407 KALIVODA, M. Vitamin E in the physiology and pathology of livestock. (Se) Stocarstvo 19 (1/2):46-61. Ref. Jan./Feb.1965. 43.8 St6
- 46408 KALUGIN, V. I. More attention to the study of the history of veterinary medicine. (Rus) Veterinariya 12:90-92. Dec.1965. 41.8 V6426
In USSR.
- 46409 KAMAN, J. Application of rubber latex compounds in the studies of blood vessels. (Cz) Brno, Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:151-161. Ref. 1965. 105.92 B833
English summary.
- 46410 KAY, R. N. B. The influence of saliva on digestion in ruminants. World Rev. Nutr. Diet. 6:293-325. Ref. 1966. 389.1 W892
Bibliography, p.321-325.

- 46411 KHRAMTSOV, V. V. Activities of the Veterinary Department of the Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya, Kafedra Veterinariii]; one-hundredth anniversary of the academy. (Rus) Veterinariya 12:92-94. Dec.1965. 41.8 V6426
- 46412 KOCH, T., and others. Lehrbuch der Veterinar-Anatomie. Band III. Die grossen Versorgungs- und Steuerungssysteme [Textbook of veterinary anatomy. Volume III. The great supply and control systems]. Jena, Fischer, 1965. 561 p. 444 K814
R. Berg, W. Heinze, and A. Smollich, joint authors.
- 46413 KODRNJA, E. Distribution and control of the foot-and-mouth disease in the world. (Se) Vetserum 13(3/4):107-123, map. Ref. Apr. 1965. 41.8 V6459
- 46414 KOSTENKO, YU. G. Some characteristics of veterinary sanitary inspection in Denmark. (Rus) Veterinariya 1:104-105. Jan.1966. 41.8 V6426
- 46415 KOVACS, A. B. Development of veterinary surgery in Hungary in the last 20 years. (Hu) Magyar Allatorv. Lapja 20(12):529-532. Dec. 1965. 41.8 V644
- 46416 KRACZKOWSKI, H. The use of thin layer chromatography in the identification of amino acids. I. The determination of free amino acids in blood plasma. (Pol) Med. Weter. 21(10): 624-626. Oct.1965. 41.8 M463
- 46417 KUCHMASOV, I. S., and YUDINA, N. S. A simplified method of trypsinization and growing of rabbit kidney cell monolayer cultures. (Rus) Veterinariya 1:22-24. Ref. Jan.1966. 41.8 V6426
- 46418 KUDASHEV, A. K. Diagnosis of carbamide poisoning of animals. (Rus) Veterinariya 12: 62-63. Dec.1965. 41.8 V6426
- 46419 KUZNETSOVA, S. V., and others. Biochemical factors in the process of foot-and-mouth disease virus cultivation. (Rus) Veterinariya 1: 16-18. Ref. Jan.1966. 41.8 V6426
M. S. Syusyukina, E. L. Shchedrin, and V. N. Kuznetsov, joint authors.
- 46420 LADRAT, J. Participation of an agronomist in the fight against animal and human diseases. (Fr) Agriculture [Paris] 28(279):191-193, 195-196. June 1965. 14 Ag823
- 46421 LAVROVA, T. S., and others. Foot-and-mouth disease virus propagation in hog embryo kidney tissue culture. (Rus) Veterinariya 1:18-20. Jan.1966. 41.8 V6426
V. A. Sergeev, V. I. Trubitsyn, and V. P. Khizhinskaya, joint authors.
- 46422 LEES, K. A. Antibiotics in veterinary medicine; some problems of formulation. Chem. Drug. 185(4487):158. Feb.12,1966. 396.8 C42
- 46423 LIKHACHEV, N. V., and others. Specific prophylaxis of foot-and-mouth disease. (Rus) Veterinariya 1:31-35. Ref. Jan.1966. 41.8 V6426
E. V. Andreev, V. P. Onufriev, and A. A. Syusyukin, joint authors.
- 46424 LORD, L. H., and ROBINSON, G. A. Progressive myelopathy in a dog caused by thorium dioxide. Can. J. Comp. Med. Vet. Sci. 29(12): 306-311. Dec.1965. 41.8 C162
Its use in radiography.
- 46425 LUTYNSKI, W. A numerical value of current vaccination of domestic animals in 1964. (Pol) Med. Weter. 21(8):499-502. Aug.1965. 41.8 M463
- 46426 MACIAK, T. The Veterinary College of Hanover [Tierärztliche Hochschule]. (Pol) Med. Weter. 21(7):443-445. July 1965. 41.8 M463
- 46427 MAILLOUX, M. The causes of leptospirosis in northern Africa. (Ge) Deut. Med. Wochenshr. 91(8):370-372. Ref. Feb.25,1966. 448.8 D48
Includes livestock.
- 46428 MASON, J. P., SHANKLIN, M. D., and STEWART, R. E. Homeothermic regulation quantitatively analogized to a closed-loop system. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):476-480, 485. Ref. 1965. 290.9 Am321
Animal body temperature regulating mechanism.
- 46429 MAZURCZAK, J. The role of hypothalamus-hypophysis system in the regulation of sexual cycle in the female. (Pol) Med. Weter. 21(10): 610-614. Oct.1965. 41.8 M463
- 46430 MAZURCZAK, J. The use of gamma-globulin in the treatment of diseases of young livestock. I. (Pol) Med. Weter. 21(6):325-329. Ref. June 1965. 41.8 M463
- 46431 MELDRUM, G. K. The threat of exotic diseases to our livestock industry. Tasmanian J. Agr. 36(4):298-301. Nov.1965. 23 T182T
Australia and Tasmania.
- 46432 MICHAJLOW, W. Biological and ecological aspects in the control of some cestodes. (Ge) Angew. Parasitol. 6(3):178-180. Aug.1965. 436.8 An4
Includes livestock.
- 46433 MITCHELL, B., and others. The Veterinary Surgeons' Bill. Vet. Rec. 78(5):183-186. Jan.29,1966. 41.8 V641
Great Britain.
- 46434 MITCHELL, C. A. Canada's oldest veterinary practice. Can. J. Comp. Med. Vet. Sci. 30(2): 53-56. (Cont.) Feb.1966. 41.8 C162
Established by Duncan McEachran and Malcolm Clapp Baker.
- 46435 MODERN VETERINARY PRACTICE. Research today-for tomorrow's practice. Mod. Vet. Pract. 47(1):27-33. Jan.1966. 41.8 N812
- 46436 MORROW, A. W., HYSLOP, N. ST. G., and BUCKELY, L. S. Formalin inactivated foot-and-mouth disease vaccines prepared on an industrial scale. I. Production. Vet. Rec. 78(1): 2-7. Ref. Jan.1,1966. 41.8 V641
- 46437 MOURS, S. A. H. The effect of oestrogens on Corynebacterium pyogenes in vitro. Zentralbl. Veterinarmed. Reihe B, 12(6):500-504. Nov. 1965. 41.8 Z52
- 46438 MOURS, S. A. H. The effect of sex hormones on Brucella abortus in vitro. Zentralbl. Veterinarmed. Reihe B, 12(6):505-511. Ref. Nov. 1965. 41.8 Z52
- 46439 MRMAK, D., and MIHAJLOVIC, R. Use of the preparations Halamid and Renophen in the control of tuberculosis. (Se) Vetserum 13(3/4): 135-137. Apr.1965. 41.8 V6459
- 46440 NIELSEN, I. About district laboratories. (Da) Danske Dyrægefor. Medlemsbl. 49(2):69-71. Jan.15,1966. 41.9 D23
Veterinary laboratories.
- 46441 NILSSON, O., NORDKVIST, M., and RYDEN, L. Experimental Babesia divergens infection in reindeer (Rangifer tarandus). Acta Vet. Scand. 6(4):353-359. 1965. 41.8 Ac87
- 46442 NOUZAREDE, M. Infusorian infestation of ruminants. (Fr) Arch. Zool. Exp. Gen. 105(2): 155-167. Ref. June 1965. 410 Ar24
English summary.
- 46443 OKOSHI, S., and SUZUKI, N. Clinical studies on serum ionic calcium in domestic animals. VII-X. Jap. J. Vet. Sci. 27(2):79-95; (3):161-169; (4):203-213; (5):251-262. Ref. Apr.-Oct. 1965. 41.8 J27
- 46444 OLSEN, P. M. Do practising veterinarians need more laboratory assistance and should this be organized centrally or regionally? (Da) Danske Dyrægefor. Medlemsbl. 49(1):24-27. Jan.1,1966. 41.9 D23
Discussion, p.35-47.
- 46445 ONUFRIEV, V. P., and others. Determination of typical and variant properties of foot-and-mouth disease virus as a basis for specific prophylaxis. (Rus) Veterinariya 1:106-107. Jan.1966. 41.8 V6426
A. I. Dudnikov, Yu. F. Shvetsov, and A. I. Sobko, joint authors.

- 46446 OTTOSEN, H. E. Veterinary medical service laboratories. (Da) Danske Dyrægefor. Medlemsbl. 49(1):28-34. Jan.1,1966. 41.9 D23 Discussion, p.35-47.
- 46447 PANINA, G. In-vitro culture of foot-and-mouth disease virus in calf testicle cell monolayers or suspension. Vet. Ital. 16(8/9):512-520. Ref., p.511, Aug./Sept.1965. 41.8 C87 Text also in Italian, p.499-511.
- 46448 PAOLETTI, C., and others. The existence of duplicating forms of DNA in animal cells. (Fr) Acad. Sci. Compt. Rend. 261(7):1775-1777. Ref. Aug.18,1965. 505 P21 N. Dutheillet-Lamonthézie, A. Obrenovitch, D. Aubin, and P. Jeanteur, joint authors.
- 46449 PAUL, I., SINDRILARU, E., and HRISANIDI, S. Several structural aspects of animal hydatids. (Rum) Rev. Zooteh. Med. Vet. 15(12):56-58. Dec.1965. 49 P943
- 46450 PAULSSON, S., and ABERG, B. Clinical-chemical and hematological normal values. (Sw) Svensk Veterinartidn. 17(15):462-464, 473-476. Ref. Aug.1965. 41.9 Sv23 Horses, cows and dogs.
- 46451 PEARCE, R. H. Glycosaminoglycans and glycoproteins in skin. In Jeanloz, R. W., and Balazs, E. A., ed. The amino sugars, the chemistry and biology of compounds containing amino sugars, v.2A, p.149-193. 1965. QP701.J4 Includes livestock.
- 46452 PESTI, L. Two methods for culturing anaerobic bacteria. Acta Vet. [Budapest] 15(4):447-449. 1965. 41.8 Ac83
- 46453 PILZ, W., and GARBE, H. G. Further cases of foot-and-mouth disease infection of men. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(1/3):154-157. Dec.1965. 448.3 C33
- 46454 PINSENT, P. J. N., GIBSON, T. E., and TURTON, J. D. Keeping knowledge up to date. Vet. Rec. 77(51):1566-1568. Dec.18,1965. 41.8 V641 Education of veterinarians in Great Britain.
- 46455 PLAKHOTIN, M. V., and SHITOV, S. T. Prophylaxis and therapy of affected extremities in animals infected with foot-and-mouth disease. (Rus) Veterinariya 1:61-62. Jan.1966. 41.8 V6426
- 46456 POLYANSKAYA, M. V. The efficiency of control measures against cysticercosis and echinococcosis of reindeer. (Rus) Veterinariya 1:45. Jan.1966. 41.8 V6426
- 46457 POPE, D. C., and OLIVER, W. T. Dimethyl sulfoxide (DMSO). Can. J. Comp. Med. Vet. Sci. 30(1):3-8. Ref. Jan.1966. 41.8 C162 Review of literature on its use for various diseases.
- 46458 PORTER, J. E. The Salmonella problem. M. S. (Mich. State) Univ. Vet. 26(1):42-44. Ref. Fall 1965. 41.8 M582 Contamination of feed and the resultant infections.
- 46459 POULSEN, K. Closing comments and conclusion. (Da) Danske Dyrægefor. Medlemsbl. 49(3):103-104. Feb.1,1966. 41.9 D23 With reference to discussion on veterinary regional service laboratories.
- 46460 POULSEN, K. 1965-1966. (Da) Danske Dyrægefor. Medlemsbl. 49(1):1-11. Jan.1,1966. 41.9 D23 Veterinary medicine and practice in Denmark.
- 46461 PRITULIN, P. I. The effect of ionizing radiation on infection and immunity. (Rus) Veterinariya 12:9-11. Dec.1965. 41.8 V6426
- 46462 PYATKIN, E. M. On the therapeutic effect of ultraviolet rays. (Rus) Veterinariya 1:52-53. Jan.1966. 41.8 V6426
- 46463 PYTASZ, M. The physiology of rumen and problems of feeding in ruminants-the decomposition of nutritional substances in the rumen. (Pol) Med. Weter. 21(10):599-603. Ref. Oct. 1965. 41.8 M463
- 46464 RASBECH, N. O. Health register, environment research and regional laboratories. (Da) Danske Dyrægefor. Medlemsbl. 49(1):14-23. Jan.1,1966. 41.9 D23 Veterinary medicine. Discussion, p.35-47.
- 46465 REUSS, U. The use of the disinfectant Tego 51 in various fields of veterinary activity with special emphasis on its bactericidal and virucidal effect. (Ge) Wien. Tierarztl. Monatsschr. 52(8):773-784. Ref. Aug.1965. 41.8 T345 English summary. Review of literature.
- 46466 REVENKOV, A. G., GOVOROVA, S. V., and TSUVERKALOV, D. A. The effect of Frenkel's medium enrichment on foot-and-mouth disease virus reproduction. (Rus) Veterinariya 1:13-16. Ref. Jan.1966. 41.8 V6426
- 46467 RIMINGTON, C. Photosensitization syndromes due to porphyrins in animals and man. S. Afr. Vet. Med. Ass. J. 36(3):313-318. Sept.1965. 41.8 So8
- 46468 RINGGER, A. "Earth rays" and health disturbances in man and animals. (Ge) Grune 93 (30):1071-1073. July 23,1965. 17 Sch9
- 46469 ROBERTSON, I. S. Castration in farm animals: its advantages and disadvantages. Vet. Rec. 78(4):130-140. Ref. Jan.22,1966. 41.8 V641 Review of literature. Includes discussion.
- 46470 ROMADINA, V. P., and ZEL'MANOV, I. S. Work of the histological department of the laboratory of Moscow's slaughterhouse. (Rus) Veterinariya 1:99-100. Jan.1966. 41.8 V6426
- 46471 ROSSI, L. Study of the type species Mycobacterium tuberculosis by pH determination. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:217-221. Ref. 1965. 41.9 B833 English summary. Mycobacterium avium and M. bovis.
- 46472 ROZOV, A. A. Disinfection of areas endangered with foot-and-mouth disease. (Rus) Veterinariya 1:94-95. Jan.1966. 41.8 V6426
- 46473 SAVI, P. Contribution of veterinary service to the economic and social development of the country. 1. (It) Vet. Ital. 16(8/9):576-598. Aug./Sept.1965. 41.8 C87
- 46474 SCHULTZE-PETZOLD, H. The veterinarian and the modern animal husbandry. (Ge) Tierarztl. Umsch. 21(1):3-6. Jan.1,1966. 41.8 T445
- 46475 SEAWRIGHT, A. A. Toxicity of Lantana spp. in Queensland. Australian Vet. J. 41(8):235-238, map. Ref. Aug.1965. 41.8 Au72 Chiefly Lantana camara.
- 46476 SHARABRIN, I. G., MOS'YAKOV, L. P., and FILKOV, P. N. On the therapy of foot-and-mouth disease in animals. (Rus) Veterinariya 1:59-61. Jan.1966. 41.8 V6426
- 46477 SHIMAZAKI, Y., OGATA, M., and OCHI, Y. Studies on streptococci. III. On the typing of Enterococcus group. (Ja) Jap. J. Vet. Sci. 27(2):97-104. Ref. Apr.1965. 41.8 J27 English summary.
- 46478 SHINJO, T., and OGATA, M. Studies on the genus Clostridium. I. Clostridial flora in the feces and alimentary tracts of various animals. (Ja) Jap. J. Vet. Sci. 27(5):263-270. Ref. Oct. 1965. 41.8 J27 English summary.
- 46479 SHMANENKOV, N. A., ed. Primenenie khimicheskikh veshchestv v zhivotnovodstve; prakticheskoe rukovodstvo [Use of chemicals in animal husbandry; a practical guide]. Moskva, Kolos, 1964. 219 p. 389.7 Sh62P
- 46480 SIMIONESCU, C. The history of veterinary medicine in Rumania: the organization of sanitary control of animals out of the past. (Rum) Rev. Zooteh. Med. Vet. 15(12):64-69. Dec.1965. 49 P943

- 46481 SIMUNEK, J., KOSELKA, L., and SKALKA, B. The effect of several organic compounds on disinfectant effectiveness of "Odorit" in experiments with spores of *Bacillus cereus*. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:167-172. 1965. 105.92 B833 English summary.
In veterinary medicine.
- 46482 SMITH, H. L., WARREN, A. L., and EDWARDS, A. M. The Veterinary Surgeons' Bill. Vet. Rec. 78(4):145-146. Jan. 22, 1966. 41.8 V641 Great Britain.
- 46483 SMITH, H. W. The development of the flora of the alimentary tract in young animals. J. Pathol. Bacteriol. 90(2):495-513. Oct. 1965. 448.8 J82
- 46484 SMITH, H. W. The immunization of mice, calves and pigs against *Salmonella dublin* and *Salmonella cholerae-suis* infections. J. Hyg. 63(1):117-135. Mar. 1965. 449.8 J82
- 46485 SPIRIDONOV, E., and SEMENCHENKO, N. Foot-and-mouth disease eradication in the primary focus of infection. (Rus) Veterinariya 1: 35-37. Jan. 1966. 41.8 V6426
- 46486 SPIRO, R. G. Amino sugars and macromolecules containing amino sugars in kidney. In Jeanloz, R. W., and Balazs, E. A., ed. The amino sugars, the chemistry and biology of compounds containing amino sugars, v. 2A, p. 79-93. 1965. QP701.J4
Includes livestock.
- 46487 SPIRO, R. G. Amino sugars and macromolecules containing amino sugars in liver. In Jeanloz, R. W., and Balazs, E. A., ed. The amino sugars, the chemistry and biology of compounds containing amino sugars, v. 2A, p. 47-78. Ref. 1965. QP701.J4
Includes livestock.
- 46488 STEELE, J. H. The role of the veterinarian in the socio-economical nutritional welfare of the community. M. S. (Mich. State) Univ. Vet. 26 (1):3-7. Fall 1965. 41.8 M582
- 46489 STEGMAIER. Veterinary liability for malpractice. (Ge) Tierarztl. Umsch. 21(1):38. Jan. 1, 1966. 41.8 T445
- 46490 STRYCZEK, J. Cases of anthrax in animals and humans in the Wlodawa district. (Pol) Med. Weter. 21(6):366. June 1965. 41.8 M463
- 46491 SWAGLER, J. Urinary radiography. Speculum 19(1):15-17. Fall 1965. 41.8 Sp3
- 46492 SWIETLIKOWSKI, M. Methyridine-a new antiparasitic drug. (Pol) Med. Weter. 21(8):482-483. Aug. 1965. 41.8 M463
- 46493 SYMPOSIUM: the Smallest Stowaways. I.-IV. Vet. Rec. 77(48):1421-1455, map. Ref. Nov. 27, 1965. 41.8 V641
I. African swine fever, by G. R. Scott; II, The arbo-viruses, by D. A. Haig; III, Rinderpest, by W. Plowright; IV, The principles and application of international disease control, by W. R. Cockrill.
Includes discussion.
- 46494 SZCZUDLOWSKA, M. The effect of one day fast on the course of eye diseases of animals. (Pol) Med. Weter. 21(6):332-334. June 1965. 41.8 M463
- 46495 SZEKY, A., and KEMENES, F. Leptospiral infection of hedge hogs in Hungary with special reference to histologic lesions of the kidneys. (Hu) Magyar Allatorv. Lapja 20(12):554-556. Ref. Dec. 1965. 41.8 V644
English summary.
Possible sources of infection for domestic animals.
- 46496 TERESZCZUK, S. The biological properties of Polish strains of *Pasteurella multocida* and their suitability for the production of biopreparations. (Pol) Med. Weter. 21(10):589-592. Oct. 1965. 41.8 M463
English summary.
- 46497 TOWNSEND, G. Epidemiology of hydatidosis in Coquimbo Province. (Sp) Bol. Chileno Parasitol. 20(1):12-15. Jan./Mar. 1965. 436.9 C43 English summary.
Includes cattle, sheep and swine.
- 46498 TURUSHEV, V. A. The change of antagonistic activity of *coli bacillus* and *Staphylococcus* under the influence of terramycin. (Rus) Veterinariya 12:14-16. Dec. 1965. 41.8 V6426
- 46499 UBERREITER, O. Contribution to the diagnosis and therapy of animal tumors (horse, dog, cat). (Ge) Wien. Tierarztl. Monatsschr. 52(7): 685-699. Ref. July 1965. 41.8 T345
English summary.
- 46500 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. PLUM ISLAND ANIMAL DISEASE LABORATORY. Library guide; sources, services, regulations. Greenport, Long Island, N. Y., 1965. 50 p. A243.7 An5
- 46501 U. S. NATIONAL HEART INSTITUTE. Comparative, veterinary, and primate cardiovascular research; a review of research grants supported by the National Heart Institute 1949 to 1965, by M. Sherman and L. E. Baker. Bethesda, 1965. 335 p. Ref., p. 252-311. RC669.N3
- 46502 VAN EEDEN, J. A., BROWN, D. S., and OBERHOLZER, G. The distribution of freshwater molluscs of medical and veterinary importance in south-eastern Africa. Ann. Trop. Med. Parasitol. 59(4):413-424, map. Ref. Dec. 1965. 448.9 L75A
Snails.
- 46503 VRTIAK, O. J., and others. Nakazlive choroby hospodarskych zvierat; virusove a rickettsiove choroby [Infectious diseases of livestock; virus and rickettsial diseases]. v. 2. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatury, 1965. 447 p. Ref. SF695.C95V7
I. Brauner, L. Cerny, J. Drazan, J. Frano, T. Gdovin, A. Gdovinova, J. Gmitter, E. Jiran, B. Kapitancik, B. Klimes, V. Kouba, J. Kral, J. Krivinka, J. Mensik, J. Michalov, F. Niznansky, J. Pleva, R. Polony, L. Popluhar, E. Prybyl, R. Skoda, J. Sutta, and S. Svrcek, joint authors.
- 46504 WALL, G. VAN DER. Further contribution to the improvement of quick diagnosis of *Salmonellae*. (Ge) Arch. Lebensmittelhyg. 16(11): 242-248. Ref. Nov. 1965. 41.8 L49
Livestock.
- 46505 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Average daily excrement of farm animals (Oregon), gallons per animal-cubic feet per ton and number of animals to produce one ton. Wash. State Univ. Ext. E. M. 2592, 1 p. Nov. 1965. 275.29 W27Mi
- 46506 WEISER, M., and LUKAS, E. Blood manganese determination of horse, cattle and swine. (Ge) Wien. Tierarztl. Monatsschr. 52(9):829-837. Ref. Sept. 1965. 41.8 T345
English summary.
- 46507 WIESMANN, E. Problems of rabies in men. (Ge) Schweiz. Arch. Tierheilk. 107(12):670-675. Dec. 1965. 41.8 Sch9
English summary.
- 46508 WOLF, S. Organization and development of veterinary services of the city of Zagreb from the liberation to the present (1945-1965). (Se) Vetserum 13(3/4):165-173. Apr. 1965. 41.8 V6459
- 46509 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON IMMUNOLOGY AND PARASITIC DISEASES. Report. World Health Organ. Tech. Rep. Ser. 315, 64 p. 1965. 449.9 W892T
Includes livestock.
- 46510 YAUNSLINIS, E. YA, and KUZNETSOV, S. S. On the experience of foot-and-mouth disease control. (Rus) Veterinariya 1:9-12. Jan. 1966. 41.8 V6426

- 46511 ZHEREBKSOV, P. I., SOLNTSEV, A. I., and VRAKIN, V. F. Effects of nitrates on metabolism in ruminants. (Rus) Khim. Sel'skom Khoz. 4(1):57-60. Ref. Jan.1966. 385 K524
- 46512 ZHEREBTSOV, P. I., VRAKIN, V. F., and BOBYLEV, V. F. A new approach to the formation of isolated ventricle on abomasum. (Rus) Veterinariya 1:63-65. Jan.1966. 41.8 V6426
An abomasal fistula.

MISCELLANEOUS

- 46513 ASHIZAWA, H., NOSAKA, D., and OSATO, K. The present hygienic conditions of livestock in Amami Islands. I. General situation in Amami Islands and the results of the 1963 investigation in Yoroito. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):325-353, map. Ref. Dec. 1965. 22.5 M6932B
English summary.
- 46514 CENA, M. General problems of livestock sanitation on the mechanized farm. (Rus) Veterinariya 1:112. Jan.1966. 41.8 V6426
- 46515 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. LISCOMBE EXPERIMENTAL HUSBANDRY FARM. Report and guide to experiments, 1965. Dulverton, 1965. 74 p., map. 49.9 G7923
- 46516 HAMMITZSCH, G. Scientific-technical progress and standardization. (Ge) Tierzucht 20 (2):61-63. Feb.1966. 49 T443
Livestock.
- 46517 HERRE, W. Results in zoological domestication research. (Ge) Zuchtungskunde 37(9/10): 361-374. Nov./Dec.1965. 49 Z8
English summary.
- 46518 JONES, W. E. The changing role of agricultural advisory services. Vet. Rec. 77(52):1574-1578. Dec.25,1965. 41.8 V641
The role of National Agricultural Advisory Service in the livestock industry.
- 46519 KALITAEV, M. V. On some problems in zoohygiene progress. (Rus) Veterinariya 1:90-92. Jan.1966. 41.8 V6426
- 46520 KROHN, H. Limitation of farm processing—specialization—cooperation concept. (Ge) Tierzuchter 18(3):67-68,70. Feb.5,1966. 49 T445
Livestock.
- 46521 LONG, J. A combined introductory course in animal dairy and poultry science. Poultry Sci. 45(1):90-94. Jan.1966. 47.8 Am33P
Purdue University, Dept. of Animal Sciences.
- 46522 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Sixth livestock producers' day, January 19, 1966, Baton Rouge, Louisiana. Baton Rouge, 1966. 140 p. 43.9 L932
Livestock meat production.
- 46523 NAITO, M., and others. Chikusan-gaku [Livestock science]. Tokyo, Asakura Shoten, 1965. 252 p. Ref. SF81.N3
M. Okamoto, S. Kamisaka, S. Mishida, I. Tasaki, Y. Yoshikawa, Y. Hirose, and K. Mimura, joint authors.
- 46524 NELSON, E. Many qualities add up to stockmanship. New Zeal. J. Agr. 112(1):22-23. Jan.1966. 23 N48J
- 46525 NORTHERN TERRITORY (AUSTRALIA). ADMIN. ANIMAL INDUSTRY BR. Nineteenth annual report, 1964/65. 41 p., map. n.p., 1965. 49.9 N813
- 46526 PASSERINI, C. Autumn livestock exhibitions in the mountain areas and particularly in Sondrio Province. (It) Riv. Zootec. 38(12):741-748. Dec.1965. 49 R52
- 46527 PETCU, D., CALOTOIU, A., and MORA, D. Aspects of animal husbandry on the Poiana farm production cooperative (Constantza town). (Rum) Rev. Zooteh. Med. Vet. 15(12):8-14. Dec.1965. 49 P943

- 46528 PSHENICHNYI, P. D. Principles in raising livestock. (Rus) Zhivotnovodstvo 1:11-17. Jan.1966. 49 Z6
- 46529 QUEVEDO, J. M. History of livestock research in Argentina. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):231-234, 237-240, 243-245. July/Aug.1965. 41.8 B86
Especially veterinary and education activities.
- 46530 ROSTOVTSEV, N. F. Research programs in raising of livestock for 1966. (Rus) Zhivotnovodstvo 1:2-5. Jan.1966. 40 Z6
- 46531 STANASTIUK, K. Work hygiene in the food industry. (Pol) Gosp. Miesna 17(12):18-19. Dec.1965. 50.8 G69
Slaughterhouses and meat plants.
- 46532 STANESCU, M. Establishing the nomenclature for the animal production sector. 5. (Rum) Rev. Zooteh. Med. Vet. 15(12):70-72. Dec.1965. 49 P943
- 46533 TANGL, H. Relationship between environment and animal production. (Hu) Elovilag 10(3): 150-156. 1965. 410 EL6
- 46534 TENNYSON, SIR C. Bird and beast in Tennyson. Vet. Rec. 77(49):1466-1473. Dec.4,1965. 41.8 V641
- 46535 UNIVERSITIES FEDERATION FOR ANIMAL WELFARE. Annual report and accounts, 1st July, 1964, to 30th June, 1965. London, 1965. 36 p. 40 L84
- 46536 VULCU, I. Draft animals—an aid to labour on farm production cooperatives. (Rum) Rev. Zooteh. Med. Vet. 15(12):15-18. Dec.1965. 49 P943
- 46537 WODZICKI, K. The status of some exotic vertebrates in the ecology of New Zealand. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species; proceedings, p.425-460, map. Ref. 1965. QH371.I5
Includes introduced livestock now feral.
Includes discussion.
- 46538 ZANNIER-TANNER, E. Comparative behavioral study of the patterns of rest position and the arising from rest position of hoofed animals. (Ge) Z. Tierpsychol. 22(6):696-723. Ref. Nov. 1965. 410 Z35
English summary.
Includes horses, cattle and swine.

CATTLE

Breeds and Breeding

- 46539 ARMAND, R. Salers; a breed with unrecognized possibilities. (Fr) Bull. Engrais 481: 141-146. June/July 1965. 57.8 B87
- 46540 BARTHA, R., ERHARD, L., and SCHMID, D. O. Blood group studies on the Zebu-Azaouak cattle of West Africa. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):78-84. Ref. Jan.1966. 41.8 Z5
English summary.
- 46541 BLOM, E. A new sterilizing and hereditary defect (the "dag defect") located in the bull sperm tail. Nature [London] 209(5024):739-740. Ref. Feb.12,1966. 472 N21
- 46542 BLOXHAM, L. R. Effect of breeding on milk composition and production to be studied at Lincoln. New Zeal. J. Agr. 112(1):15. Jan. 1966. 23 N48J
- 46543 BONFERT, A., and WIESNER, W. Results of insemination with various aged sperms. (Ge) Tierarztl. Umsch. 21(1):6-8, 11. Jan.1,1966. 41.8 T445
Cattle.
- 46544 BORODYNYA, I. V., and MAKHODA, N. G. Tactile cervical method of artificial insemination of cows. (Rus) Veterinariya 12:75-77. Dec.1965. 41.8 V6426

- 46545 BREITENSTEIN, K., and FIEDLER, H. Starting basis and status of line breeding of Spotted Mountain cattle. (Ge) Tierzucht 20(2):66-69. Feb.1966. 49 T443
- 46546 BREITENSTEIN, K. G. Breeding prospects for hill cattle with reference to line breeding. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:101-107. 1965. 18 D4825T
English summary.
- 46547 CANADIAN HEREFORD ASSOCIATION. The Canadian Hereford herd book. Volume 57. Ottawa, 1965. 521 p. 43.9 C164
- 46548 CARDINALI, M. A valuable meat cattle breed; Limousin. (It) Inform. Zootec. 12(15/16):515-519. Aug.15/31.1965. 49 In3
- 46549 CLEGG, E. D., KOMAREK, R. J., and PICKETT, B. W. Preliminary investigations on glycerol entry into bovine spermatozoa. J. Dairy Sci. 48(12):1709-1711. Dec.1965. 44.8 J822
- 46550 COSOROABA, R. A contribution to the study and organization of differential care of dairy cows. (Rum) Rev. Zooteh. Med. Vet. 15(10):5-16. Oct.1965. 49 P943
English summary.
In breeding.
- 46551 DAMNESKJOLD-SAMSOE, C. Cattle breeding in Israel. (Da) Dansk Landbrug 85(1):21-23. Jan.1966. 280.28 V91
- 46552 DANNEMANN, C. Milk production of purebred and crossbred cows. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:31-38. 1965. 18 D4825T
English summary.
- 46553 DOMINGUES, O. The use of hybrid bulls in commercial herds. (Por) Inst. Laticinios Candido Tostes. Rev. 20(120):3-4. May/June 1965. 44.8 F33
- 46554 DUMMERSTORF. INSTITUT FUR TIERZUCHT-FORSCHUNG. Neue Ergebnisse zur Leistungssteigerung in der Rinder- und Schweinezucht; Vorträge einer wissenschaftlichen Tagung anlässlich des 25jährigen Bestehens des Instituts für Tierzuchtforschung Dummerstorf der Deutschen Akademie der Landwirtschaftswissenschaften zu Berlin, Rostock, 2. bis 4. Juni 1964 [Recent results in the increase of production in cattle and swine breeding; papers at a scientific conference upon the 25th anniversary of the Dummerstorf Institute for Livestock Breeding Research of the German Academy of Agricultural Sciences in Berlin, Rostock, June 2 to 4, 1964]. Deut. Akad. Landwirtschaftswiss. Tagungsber. 70,258 p. Ref. 1965. 18 D4825T
- 46555 FERCEJ, J., and PUPPIS, N. Variations in the milk production of cows on collective farms of Slovenia. (Se) Stocarstvo 19(5/6):212-224. May/June 1965. 43.8 St6
Brown Alpine cattle breed; includes fat content.
- 46556 FORBES, S. We need the best in all breeds. West. Livestock J. [Denver] 44(15):28,32,39,42. Feb.1966. 49 W525
Red Angus beef cattle.
- 46557 FULKA, J. Functions of artificial insemination in line breeding. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:119-122. 1965. 18 D4825T
English summary.
Cattle.
- 46558 GAL'PERIN, A. I., and SHMIDT, A. A. Fat content in milk of Simmental cattle in Altai. (Rus) Zhivotnovodstvo 1:58-61. Jan.1966. 49 Z6
- 46559 GAUTAM, J. P., TOMAR, N. S., and AGRAWAL, P. C. Milk producing ability and breeding efficiency in relation to the age at first calving in Hariana cows. Indian Vet. J. 43(1):61-67. Jan.1966. 41.8 In2
- 46560 GRANCIU, I., and LUNGULESCU, G. General improving value of some Rumanian Spotted bulls. (Rum) Rev. Zooteh. Med. Vet. 15(11):12. 20. Nov.1965. 49 P943
English summary.
- 46561 GREGORY, K. Evaluation of influences on cattle breeding. Cattleman 52(8):46,60,62. Jan. 1966. 49 C29
Keeping records.
- 46562 GREGORY, K. Influence of performance traits on selection. Cattleman 52(9):44,84-86,88. Feb.1966. 49 C29
Beef cattle genetics.
- 46563 GRUHN, R., and HASSANEYN, A. Supersonic measurement in Aberdeen-Angus, German Angus meat cattle and in German Black Pied. (Ge) Tierzuchter 18(3):70-72. Feb.5,1966. 49 T445
Carcass grading.
- 46564 HARTMANN, O. Influence of the period of service on milk production. (Ge) Bodenkultur 16(4):360-369. Nov.1965. 19 B635
English summary.
- 46565 HERAK, M. Importance of the evaluation of the semen of cattle for reproduction and some new methods of evaluation. (Se) Stocarstvo 19(5/6):242-245. May/June 1965. 43.8 St6
- 46566 HILLERS, J. K., and FREEMAN, A. E. Differences between sires in rate of maturity of their daughters. J. Dairy Sci. 48(12):1680-1683. Dec.1965. 44.8 J822
- 46567 HOGREVE, F., and KOCH, J. Milk fat content of cattle in animal breeding aspect and in its relations to blood group factors; studies on Black Pied Lowland cattle. (Ge) Tierarztl. Umsch. 21(1):22-26. Jan.1,1966. 41.8 T445
- 46568 HURST, V., and others. Infertility in beef cattle. S. C. Agr. Exp. Sta. Tech. Bull. 1020,8 p. Nov.1965. 100 So8T
J. W. Kelly, W. C. Godley, J. R. Hill, H. S. Powell, and D. E. Roebuck, joint authors.
- 46569 IRIKIN, V. F. Postpartum exercise and the decrease of cow sterility. (Rus) Veterinariya 1:76-77. Jan.1966. 41.8 V6426
- 46570 JOHNSON, A., MYERS, R., and ULBERG, L. Now—a herd reproduction report! Hoard's Dairyman 111(5):272-273,332-333. Mar.10, 1966. 44.8 H65
In North Carolina.
- 46571 JUNGK, E. Problems and measures for development of cattle herdbook breeding in LPG type I. (Ge) Tierzucht 20(1):5-7. Jan.1966. 49 T443
- 46572 KAIRYUKSHITIS, I. A., and DASHKEVICH, D. K. PMS [pregnant mare's serum] application against sterility of cows. (Rus) Veterinariya 1:72-73. Jan.1966. 41.8 V6426
- 46573 KLEMINA, V. D. Viability of bull semen according to its biochemical and fertilization indices. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:42-46. Ref. Jan.1966. 20 V633
English summary.
- 46574 KLOSTERMAN, E. W., and others. A comparison of the Hereford and Charolais breeds and their crosses under two systems of management. Ohio. Agr. Res. Develop. Center. Res. Sum. 7:22-28. Jan.1966. 100 Oh3Rs
V. R. Cahill, C. F. Parker, and W. R. Harvey, joint authors.
Feeding systems.
- 46575 KNIGA, M. I. Effect of pure cattle breeding on higher productivity and quality of milk. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:32-37. Jan.1966. 20 V633
English summary.
- 46576 LAMPO, P., and WILLEMS, A. Value of a continuous general milk control in estimating breeding value of young bull. (Fl) Vlaams Diergenessk. Tijdschr. 34(4):177-183. Ref. Apr.1965. 41.8 V84
English summary.
- 46577 LANZ, R. N., PICKETT, B. W., and KOMAREK, R. J. Effect of lipid additives on pre- and post-freeze survival of bovine spermatozoa. J. Dairy Sci. 48(12):1692-1697. Ref. Dec.1965. 44.8 J822

- 46578 LEBEDEV, M. M. Particulars of line breeding in the artificial insemination of dairy cattle. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:93-99. 1965. 18 D4825T English summary.
- 46579 LENSCHOW, J. Situation and outlook of line breeding in cattle. (Ge) Deut. Landwirtschaftswiss. Tagungsber. 70:17-27. 1965. 18 D4825T English summary.
- 46580 LODGE, J. R., and SALISBURY, G. W. Control of sulfite release of carbon dioxide inhibition of anaerobic glycolysis by bovine spermatozoa. J. Dairy Sci. 48(12):1688-1691. Dec. 1965. 44.8 J822
- 46581 MALLION, F. J. Beef cattle and their origins. 1. Meat Indus. [London] 39(2):90-91. Feb. 1966. 38.9 Im72 Breeds.
- 46582 MARKOVIC, P. On the use of hormonal compounds in the feeding of domestic animals. (Cz) Agrochemia [Bratislava] 5(5):152-157. 1965. 38.5 Ag88 English summary. Effect of diethylstilbestrol on the weight of bulls.
- 46583 MARTYNOV, I. N. Contribution of breeding farm "Lesnye polany" to improvement of Kholmogor cattle. (Rus) Zhivotnovodstvo 1: 23-25. Jan. 1966. 49 Z6
- 46584 MEY, G. J. W. VAN DER. Some data on the fattening of Black Pied and Red Pied calves (preliminary report). (Du) Veeteelt Zuivelber. 8(4):173-180. Apr. 1965. 49 V51 Growth.
- 46585 MIKHAILOV, N. N., and SILAEV, A. M. On the method of analysis of effectiveness of insemination in cows. (Rus) Veterinariya 12:74-75. Dec. 1965. 41.8 V6426
- 46586 MISHRA, D. B., DAS, L. N., and BISWAL, G. Comparative histological study of the thymus gland of the bull and the bullock. Indian Vet. J. 43(1):12-16. Jan. 1966. 41.8 In2
- 46587 MITSCHERLICH, E. Genetic relations between properties of the blood and production traits in domestic animals. (Ge) Zuchtungskunde 37 (9/10):375-387. Ref. Nov./Dec. 1965. 49 Z8 English summary. Cattle.
- 46588 MULLER, W. Breeding knows no standstill. (Ge) Forderungsdienst 13(4):115-121. Apr. 1965. 19 F75 Cattle.
- 46589 NEIMANN-SORENSEN, A., and NIELSEN, A. Breeding problems in meat production. (Da) Dansk Landbrug 84(12):361-365. Dec. 1965. 280.28 V91
- 46590 NIEDERBERGER, K. Present-day cattle breeding in northwest Germany. (Ge) Zuchtungskunde 37(9/10):416-429. Nov./Dec. 1965. 49 Z8 English summary.
- 46591 NORWAY. STATENS STAMBOKKONTOR. Norsk storfestambok [Norwegian cattle herdbook]. Oslo, 1965. 356 p. 43.9 N83N
- 46592 PARISOT, C. An experimental zone of cattle raising in the wooded area of Orne. (Fr) Rev. Elevage 20(12):41,43,45-46. Dec. 1965. 49 B462 Cooperation of a number of farmers raising the Normandy breed.
- 46593 PEACOCK, F. M., KIRK, W. G., and KOGER, M. Effect of Brahman breeding on performance of calves from weaning to feedlot. Fla. Agr. Exp. Sta. Bull. 705,8 p. Dec. 1965. 100 F66S Brahman crossbreeding.
- 46594 PFENNINGER, K. Old and new ways in breeding for production. (Ge) Grune 93(23):823-827. June 4, 1965. 17 Sch9 Cattle in Switzerland.
- 46595 PLUM, M., ANDERSEN, H., and SWIGER, L. A. Heritability estimates of gestation length and birth weight in Holstein-Friesian cattle and their use in selection indexes. J. Dairy Sci. 48(12):1672-1675. Dec. 1965. 44.8 J822
- 46596 PODANY, J. Testicular biometry of bulls. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:159-171. Ref. 1965. 41.9 B833 English summary.
- 46597 POLITIEK, R. D. Importance of crossing utility breeds with foreign beef breeds in cattle meat production. (Du) Doelmatige Veehouderij 5:83-89. Oct. 1965. 49 D67
- 46598 POTAPOVA, T. V. External-constitutional types of inbred Simmental cattle in Buryat ASSR. (Rus) Zhivotnovodstvo 1:62-63. Jan. 1966. 49 Z6
- 46599 ROMANIUK, J. The influence of the microorganisms of the semen on its fertilizing ability. (Pol) Med. Weter. 21(7):424-427. Ref. July 1965. 41.8 M463 English summary. Cattle.
- 46600 ROUSSEL, J. D., and STALLCUP, O. T. Parallelism between semen characteristics and glutamic-oxalacetic transaminase-glutamic-pyruvic transaminase activities. J. Dairy Sci. 48(12):1684-1687. Ref. Dec. 1965. 44.8 J822 Cattle.
- 46601 ROUX, A. Charollais breed in France and in the world. (Fr) Rev. Elevage 20(12):27,29-30, 32. Dec. 1965. 49 B462
- 46602 SANTNER, T. Reasons for raising Pinzgau cattle breed. (Se) Stocarstvo 19(5/6):246-248. May/June 1965. 43.8 St6 Meat and milk production.
- 46603 SCHILLING, E. The sex ratio in cattle and possibilities of influencing it. (Ge) Tierzuchter 18(4):99-100,103. Feb. 20, 1966. 49 T445 Genetic studies.
- 46604 SEBESTYEN, G. Remarks on planning and testing of cattle breeding. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:115-117. 1965. 18 D4825T English summary.
- 46605 SHARMA, U. D., and MAHAJAN, S. C. Some observations on preservation of buffalo semen in the Illini variable temperature diluent. Indian Vet. J. 43(1):50-55. Ref. Jan. 1966. 41.8 In2
- 46606 SHILOVICH, I. V. An experience in cattle sterility prophylaxis. (Rus) Veterinariya 1:77-79. Jan. 1966. 41.8 V6426
- 46607 SHIPILOV, V. S. The importance of active exercise for cow sterility prophylaxis in winter season. (Rus) Veterinariya 1:73-76. Jan. 1966. 41.8 V6426
- 46608 SIMUNIC, B., and PAVUNA, H. Reinsemination of cattle caused by disturbances in the reproductive system. (Se) Stocarstvo 19 (5/6):185-193. May/June 1965. 43.8 St6 English summary. Chiefly metritis and estrus.
- 46609 SINGH, H. The problem of cattle development in India. Bharat Krishak Samaj. Year Book 1964:437-455. 22 B46 Chiefly breeding and feeding.
- 46610 TACU, A., and others. The study of the major physiological indices of production of the Red Dobruja breed of cows from the technico-economic viewpoint. (Rum) Rev. Zooteh. Med. Vet. 15(9):5-17. Ref. Sept. 1965. 49 P943 I. Fisteag, G. Jurencova, and D. Petcu, joint authors. English summary. Chiefly lactation and milk production.

- 46611 U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program, DHIA rules (revised and accepted by the American Dairy Science Association in June, 1965). U. S. Agr. Res. Serv. ARS 44-166, 14 p. Dec. 1965. A49.9 R31A Breeding and records.
- 46612 U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program, improvements in methods of sire evaluation. U. S. Agr. Res. Serv. ARS 44-171, 8 p. Feb. 1966. A49.9 R31A Breeding and records.
- 46613 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. DHIA sire summary list; Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, Red Dane, and Red Poll sires. U. S. Agr. Res. Serv. ARS 44-168, 201 p. Jan. 1966. A49.9 R31A
- 46614 VANDEPLASSCHE, M., and others. Preventive obstetrics in cattle. (Fl) Vlaams Diergeneesk. Tijdschr. 34(3):161-173. Ref. Mar. 1965. 41.8 V84
M. Herman, J. Bouters, and J. Spincemaille, joint authors.
English summary.
Breeding to prevent dystocia.
- 46615 VAN VLECK, L. D., and HART, C. L. Heritability estimates when dams and daughters are in the same and different herds. J. Dairy Sci. 48(12):1676-1679. Dec. 1965. 44.8 J822
- 46616 VELASQUEZ Q., J. Galloway cattle. (Sp) Rev. Nac. Agr. 57(720):26-27. Apr. 1965. 9.4 R32
- 46617 WESSELY, E. C. Inbreeding results in relation to breeding and behavior. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:39-44. 1965. 18 D4825T
English summary.
Dairy cattle.
- 46618 WOELFFER, E. A. Vibriosis—a hazard of natural service. Hoard's Dairyman 111(5):320. Mar. 10, 1966. 44.8 H65
- 46619 WOLTER, F., WEISSER, K. Bull losses, and causes for losses in an insemination farm. (Ge) Tierzucht 20(2):72-76. Ref. Feb. 1966. 49 T443
- Feeds and Feeding
- 46620 ARMSTRONG, C. W. B. Digestibility of a vegetable concentrate meal fed as a milk gruel to early-weaned calves. So. Afr. J. Agr. Sci. 8(3):635-642. Ref. Sept. 1965. 24 Su3
- 46621 ASTRUP, H. Studies of oxidized flavour in cows' milk. IX. Experiments to reduce oxidized flavour in milk by changes in the trace mineral supplement. Norges Landbrukshogsk. Meld. 44(26), 8 p. Ref. 1965. 104 N762M
- 46622 BACVANSKI, S., and others. The effect of higher amounts of feed concentrates in the second period of fattening male calves. (Se) Savremena Poljoprivreda 13(1):37-46. Jan. 1965. 21 P75
S. Vucetic, T. Cobic, and N. Stojanovic, joint authors.
English summary.
- 46623 BAINTRER, K. Importance of the protein content in milk and possibilities for its increase. (Hu) Iregszemese. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kolzlemlenyek 5(1):143-148. 1965. 105.9 Ir2
English summary.
Effect of feeding and breeding.
- 46624 BAKER, F. S. Steer wintering rations in north Florida. Fla. Agr. Exp. Sta. Circ. S-174, 15 p. Jan. 1966. 100 F66C1
- 46625 BALCH, C. C. Studies on feeding high-producing cows. (Ge) Zuchtungskunde 37(9/10):430:439. Nov./Dec. 1965. 49 Z8
English summary.
Chiefly effects on milk production.
- 46626 BALDONI, R. Economic results in a test of production of vealers using only concentrated feed. (It) Riv. Zootec. 38(12):703-711. Dec. 1965. 49 R52
- 46627 BARTLEY, E. E. Effects of feed processes on rumen metabolism and milk composition. Wash. Anim. Nutr. Conf. Proc., 18th Conf:85-89. Ref. 1965. 389.79 W94
- 46628 BERTRAND, J. E. Nutrition of the beef cow and its influence on calf crop. Anim. Nutr. Health 20(4):16-17, 19, 35-36. Apr. 1965. 389.78 W52
- 46629 BEWG, W. P. Winter fattening cattle on crop. Queensland Agr. J. 91(12):708-710. Dec. 1965. 23 Q33
- 46630 BIENFET, V., and others. Nutrition and infertility in cattle. (Fr) Ann. Med. Vet. 109(7):488-542, map. Ref. Nov. 1965. 41.8 An78
A. Hennaux, A. vanden Hende, A. Cottenie, F. Lomba, G. Chauvaux, and H. Binot, joint authors.
Includes review of the literature.
- 46631 BINGLEY, J. B., and CARRILLO, B. J. Hypocuprosis of cattle in the Argentine. Nature [London] 209(5025):834-835. Ref. Feb. 19, 1966. 472 N21
- 46632 BISHOP, E. J. B. Beef heifers need feeding. Farming S. Afr. 41(10):37-39. Jan. 1966. 24 So842
- 46633 BISHOP, E. J. B., and others. Pineapple plants; a good drought fodder for cattle. Farming S. Afr. 41(9):6-7, 9. Dec. 1965. 24 So842
J. B. Gradwell, J. A. G. Nell, D. M. Bradfield, joint authors.
- 46634 BULLIS, D. D. Early weaning of dairy calves. Colo. Farm Home Res. 16(4):5. Jan./Feb. 1966. 100 C712Co
- 46635 CASON, J. L., and others. Economical grain feeding for dairy cows. Md. Univ. Ext. Bull. 202, 16 p. May 1965. 275.29 M36B
R. F. Davis, R. W. Hemken, J. H. Vandersall, and C. D. Caskey, joint authors.
- 46636 CHAZAL, P. Storing in a silo for cattle feeding. (Fr) Agriculture [Paris] 28(278):155-157. May 1965. 14 Ag823
- 46637 CORDIEZ, E. Sugar beet waste products in the production of beef. (Fr) Sucrerie Belge 85(1):1-11; (2):49-60. Sept. 15-Oct. 15, 1965. 66.8 Su1
- 46638 CROUCH, E. K., and RIGGS, J. K. Coastal Bermuda hay and alfalfa hay for wintering beef cows in east Texas. Tex. Agr. Exp. Sta. Progr. Rep. PR-2387, 5 p. Jan. 21, 1966. 100 T31P
- 46639 CURTIN, L. V. High urea rations for beef and dairy cattle. Amer. Feed Manufacturers Ass. Nutr. Counc. Proc., 25th Semi-annu. Meeting: 12-14. Ref. 1965. 389.79 Am32
Literature review.
- 46640 DARLING, G. G. Feeding scrub to stock. Agr. Gaz. New S. Wales 76(12):725-728. Dec. 1965. 23 N472
Tree and shrub feed for cattle and sheep in Australia.
- 46641 DAUGHERTY, F. C., and DENHAM, A. H. How seasonal feed levels affect cow-calf production. Colo. Farm Home Res. 16(4):11. Jan./Feb. 1966. 100 C712Co
- 46642 DENHAM, A. H., DAUGHERTY, F. C., and HINZE, G. O. Winter roughage rations for steer calves. Colo. Farm Home Res. 16(4):10. Jan./Feb. 1966. 100 C712Co
- 46643 DIRVEN, J. G. P. Chemical composition and nutritive value of tropical kudzu (*Pueraria phaseoloides* (Roxb.) Benth). Qualitas Plant. Mater. Veg. 12(2):185-198. Ref. June 30, 1965. 64.8 M41
In relation to cattle feeding in Surinam.
- 46644 DIRVEN, J. G. P. The protein content in Surinam roughages. Qualitas Plant. Mater. Veg. 12(2):172-184. June 30, 1965. 64.8 M41
In relation to cattle feeding.

- 46645 DYER, I. A. Effect of ration preparation on the performance of beef cattle. Wash. Anim. Nutr. Conf. Proc., 18th Conf:90-97. 1965. 389.79 W94
- 46646 DYER, I. A. Manganese needs of beef cattle. Wash. Anim. Nutr. Conf. Proc., 18th Conf:12. 1965. 389.79 W94
- 46647 DYER, I. A. The value of wheat for fattening cattle. Wash. Anim. Nutr. Conf. Proc., 18th Conf:1-2. 1965. 289.79 W94
- 46648 EMERY, R. S., BROWN, L. D., and BELL, J. W. Correlation of milk fat with dietary and metabolic factors in cows fed restricted-roughage rations supplemented with magnesium oxide or sodium bicarbonate. J. Dairy Sci. 48(12):1647-1651. Dec. 1965. 44.8 J822
- 46649 ESTERGREEN, V. L. Recent developments in synchronization of estrus in ruminants through feeding. Wash. Anim. Nutr. Conf. Proc., 18th Conf:138-141. Ref. 1965. 389.79 W94
In cattle and sheep.
- 46650 FLATT, W. P. Energy requirements of dairy cattle. Wash. Anim. Nutr. Conf. Proc., 18th Conf:56-73. Ref. 1965. 389.79 W94
- 46651 FORREST, R. J. Nutrition and production of dairy beef. Wash. Anim. Nutr. Conf. Proc., 18th Conf:113-116. 1965. 389.79 W94
Includes feed formulas.
- 46652 GILDOW, E. M. Mutual problems of the dairyman and feedman. Wash. Anim. Nutr. Conf. Proc., 18th Conf:30-38. 1965. 389.79 W94
Feeding and management of dairy cows.
- 46653 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Feeding concentrates to dairy cows. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet 525, Rev., 5 p. Sept. 1965. 10 G79La
- 46654 HIBBS, J. W., and CONRAD, H. R. Mineral, vitamin D needs of dairy cows. Feed Bag 42 (2):26,38. Feb. 1966. 389.78 F32
- 46655 HOMB, T. Foringsforsok med kastrater [Feeding experiments in steers]. Norges Landbrukshogsk. Meld. 44(28), 17 p. 1965. 104 N762M
English summary.
- 46656 HOPKIN, J. A. Tomorrow's cattle-feeding industry. Cattleman 52(8):20,92,94. Jan. 1966. 49 C29
Especially feedlot.
- 46657 HUGHES, R. H. Better management means more beef from wiregrass-pine ranges. J. Range Manage. 19(1):41. Jan. 1966. 60.18 J82
In Georgia.
- 46658 IONOV, YU. G. Use of cotton leaves as feed supplement for young cattle. (Rus) Khlopkovodstvo 2:46-47. Feb. 1966. 72.8 K522
- 46659 KAY, R. Feeding cows for summer production. Milk Prod. [Houston] 30(7):13. July 1965. 44.8 M5993
- 46660 KHURSHUDYANTS, G. I. Fattening of cattle on mechanized feedlots. (Rus) Zhivotnovodstvo 1:48-51. Jan. 1966. 49 Z6
- 46661 KLAUSEN, S., and KONGGAARD, S. Problems in connection with bringing cattle into barn in fall. (Da) Landbonyt 19(10):351-354. Oct. 1965. 11 L2322
Feeding.
- 46662 KLOSTERMAN, E. W., and others. Feeding value of a complete corn silage for growing-fattening cattle. Ohio. Agr. Res. Develop. Center. Res. Sum. 7:6-9. Jan. 1966. 100 Oh3Rs
L. J. Johnson, R. R. Johnson, and P. Althouse, joint authors.
- 46663 KLOSTERMAN, E. W., and others. Full utilization of the corn plant as complete silages for fattening cattle and wintering beef cows. Ohio. Agr. Res. Develop. Center. Res. Sum. 7:3-5. Jan. 1966. 100 Oh3Rs
R. R. Johnson, K. E. McClure, and L. J. Johnson, joint authors.
- 46664 KORATH, G. Nutritional requirements in raising (research with twins). (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:45-56. Ref. 1965. 18 D4825T
English summary.
Cattle.
- 46665 LARSEN, B. Economic feeding of fattening animals. (Da) Dansk Landbrug 84(12):366-372. Dec. 1965. 280.28 V91
Chiefly feed formulas for calves.
- 46666 LEMESH, V. F., and others. Use of urea in the feeding of young cattle. (Rus) Khim. Sel'skom Khoz. 3(12):55-58. Ref. Dec. 1965. 385 K524
E. F. Tarusova, A. S. Kalinin, S. V. Sapozhkov, and Z. S. Goryainova, joint authors.
- 46667 LENGEMANN, F. W. Lack of effect of level of dietary calcium upon fecal endogenous calcium. J. Dairy Sci. 48(12):1718-1719. Dec. 1965. 44.8 J822
- 46668 MATSUSHIMA, J. K., and others. Fertilizer grade urea in cattle rations. Colo. Farm Home Res. 16(4):9-10. Jan./Feb. 1966. 100 C712Co
B. A. Weichenthal, M. W. Heeney, and D. E. Johnson, joint authors.
- 46669 MATSUSHIMA, J. K., and others. Flaked corn-milo mix for beef cattle rations. Colo. Farm Home Res. 16(4):6-8. Jan./Feb. 1966. 100 C712Co
D. E. Johnson, B. A. Weichenthal, and M. W. Heeney, joint authors.
- 46670 MATSUSHIMA, J. K., and others. Gains hold, but feed efficiency drops when reducing protein supplement. Colo. Farm Home Res. 16(4):3-4. Jan./Feb. 1966. 100 C712Co
M. W. Heeney, B. A. Weichenthal, and D. E. Johnson, joint authors.
Feedlot beef cattle.
- 46671 MONTGOMERY, M. J., and others. Regulation of food intake in ruminants. 2-4. J. Dairy Sci. 48(12):1623-1642. Ref. Dec. 1965. 44.8 J822
B. R. Baumgardt, K. L. Simkins, and J. W. Suttie, joint authors.
Cattle.
- 46672 MURDOCK, F. R. Effect of method of preparation on the nutritive value of silages for dairy cattle. Wash. Anim. Nutr. Conf. Proc., 18th Conf:74-84. Ref. 1965. 389.79 W94
- 46673 NEHRING, K., HOFFMANN, B., and BOCK, H. D. Use of milk substitutes in calf raising. (Ge) Deut. Landwirt. 16(12):502-505. Dec. 1965. 18 D4822
- 46674 NELSON, A. B., and FURR, R. D. Interval of observation of grazing habits of range beef cows. J. Range Manage. 19(1):26-29. Jan. 1966. 60.18 J82
- 46675 NYTORP, N. The too fat slaughter cows—once more. (Sw) Lantbrukstidskr. Dalarna 78(5):142-143. 1965. 11 L29
- 46676 OLIVER, E. F., SHOVE, G. C., and HARSHBARGER, K. E. Photographic technique for recording animal-feeding data. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):562-564, 571. 1965. 290.9 Am32T
Dairy cattle.
- 46677 PETUKHOVA, E. A., and others. Feeding of vitamin D emulsion to cows in winter. (Rus) Veterinariya 1:49-52. Jan. 1966. 41.8 V6426
L. D. Khzlenova, R. F. Vidova, and I. A. Andreev, joint authors.
- 46678 PIATKOWSKI, B., and STEGER, H. Influence of various feed additives on the digestibility of marrow cabbage and effect on the blood composition of cattle. (Ge) Arch. Tierernahr. 15(6):447-453. Dec. 1965. 389.78 Ar22
English summary.
- 46679 PIATKOWSKI, B. Nutritional studies with calves. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:77-82. 1965. 18 D4825T
English summary.

- 46680 PIATKOWSKI, B., and STEGER, H. Urea pellets and ensilaged moist barley grain in feeding of early weaned fattening calves. (Ge) Tierzucht 20(2):92-94. Feb.1966. 49 T443
- 46681 PIRA, C. Winter feeding of dairy cattle. (Sw) Svensk Valltidskr. 4(5):159-162. 1965. 60.8 Sv22
- 46682 POPPE, S. On the influence of diethylstilbestrol on the metabolism of fattening bulls. 2. (Ge) Arch. Tierernahr. 15(6):407-415. Ref. Dec.1965. 389.78 Ar22
English summary.
- 46683 QUARRE, C. Research is key to feeder's progress needs. Nat. Provisioner 154(11):60-61. Mar.12,1966. 286.85 N21
Feedlot cattle.
- 46684 RATHORE, A. K. Silage feeding of the dairy cows and its effect on body weight, milk production and hay intake. Indian. Vet. J. 43(1):77-82. Ref. Jan.1966. 41.8 In2
- 46685 RESHETNYAK, V. S., and VORONOV, P. T. Fattening of beef cattle with sugar beet pulp on specialized collective farms. (Rus) Zhivotnovodstvo 1:45-48. Jan.1966. 49 Z6
- 46686 RICE, R. W., and PAULES, L. H. Comparison of a fifty per cent hay and a no-hay ration with or without supplemental vitamin A for beef production from young dairy calves. J. Dairy Sci. 48(12):1668-1671. Ref. Dec.1965. 44.8 J822
- 46687 RICHTER, K., CRANZ, K. L., and ANTONI, J. Different ways of raising calves for young cattle fattening. (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):381-382,384. Mar.10,1966. 18 N39
- 46688 ROJAS ALVAREZ, M. A. Manganese deficiency in the bovine. Diss. Abs. 26(6):2953. Dec.1965. 241.8 M58
- 46689 SANDLER, A. A. Vitamin deficiency in cattle in the case of sugar beet pulp feeding. (Rus) Veterinariya 1:52. Jan.1966. 41.8 V6426
- 46690 SAZONOVA, T. N. Effect of iodine in feed on reproductive capacity of cows. (Rus) Khim. Sel'skom Khoz. 3(11):56-60. Ref. Nov.1965. 385 K524
- 46691 SCHEPER, J. Improvement of the slaughter value of young bulls. (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):340,342-343. Mar.3,1966. 18 N39
Feeding.
- 46692 SHARON, J. Wean beef calves at four months? Doane's Agr. Rep. 29(8):20-22,24. Mar.8,1966. 281.8 D652
- 46693 SLACK, S. T., STONE, J. B., and MERRILL, W. G. Feeding the dairy cow for maximum returns. Cornell Univ. Ext. Cornell Ext. Bull. 1156,35 p. Oct.1965. 275.29 N48E
- 46694 STRIZIC, M., and VINCEK, C. Proteins in the feeding of cattle. (Se) Stocarstvo 19(1/2):36-45. Ref. Jan./Feb.1965. 43.8 St6
English summary.
- 46695 SUMMERS, C. E. Feed additives—a supplement to good nutrition. Wash. Anim. Nutr. Conf. Proc., 18th Conf:47-55. 1965. 389.79 W94
For beef cattle.
- 46696 TOTH, J. Problems of the economical utilization of feeds rich in protein within the farm. (Hu) Iregszemecse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):130-135. 1965. 105.9 Ir2
English summary.
Cattle feeding.
- 46697 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Finishing beef cattle. U. S. D. A. Farmers' Bull. 2196,slightly rev.30 p.,map. Jan.1966. 1 Ag84F
- 46698 VALLE, O., and JANTTI, A. Recent progress in grassland research in Finland. Herbage Abs. 36(1):1-5. Ref. Mar.1966. 241 Im733
For cattle grazing.
- 46699 VAN HORN, H. H. Urea-corn silage for beef and dairy cattle. Iowa. State Univ. Ext. Pam. 316,4 p. July 1965. 275.29 Io9Pa
- 46700 VAN MARLE, J. Milking off the veld does not pay. Farming S. Afr. 41(10):21-22. Jan.1966. 24 So842
- 46701 VIRTANEN, A. I. Cow milk production with urea and non-protein-nitrogen ammonia. (Ge) Tierzucht 18(5):142-143. Mar.5,1966. 49 T445
Feeding effects.
- 46702 VUL, I. I. The effect of amino acids in feed on the milk production and content of amino acids in the milk. (Rus) Khim. Sel'skom Khoz. 3(12):52-54. Ref. Dec.1965. 385 K524
- 46703 WALDERN, D. E., and CEDENO, G. Simple grain mixtures for lactating dairy cows. Wash. Anim. Nutr. Conf. Proc., 18th Conf:124-137. 1965. 389.79 W94
- 46704 WESTON, R. T. Feed's influence on dairy quality. Queensland Agr. J. 91(12):738-742. Dec.1965. 23 Q33
- 46705 WETTERAU, H. Observations on the suitable use of urea in cattle feeding. (Ge) Tierzucht 20(2):91-92. Feb.1966. 49 T443
- 46706 WINKLER, S. Research on silage milk and silage. (Ge) Deut. Molk.-Zeitung 87(3):71-76; (4):111-113. (Cont.) Jan.20-27,1966. 44.8 Su2
Composition and bacteria in milk of cattle fed with silage.
- 46707 ZANETTI, R. Animal nutrition and veterinary medicine. (It) Vet. Ital. 16(8/9):617-625. Aug./Sept.1965. 41.8 C87
Dairy cattle.

Veterinary Medicine

- 46708 ALDASY, P. Health protection tasks in calf rearing during winter. (Hu) Magyar Mezogazdasag 21(3):20. Jan.19,1966. 19 M27
- 46709 ANKE, M. The major and trace element content of cattle hair as indicator of calcium, magnesium, phosphorus, potassium, sodium, iron, zinc, manganese, copper, molybdenum, and cobalt supply. I-II. (Ge) Arch. Tierernahr. 15(6):461-485. Ref. Dec.1965. 389.78 Ar22
English summary.
- 46710 ANOKHIN, B. M., and TRUSOV, A. N. Electrograms of abomasum in the case of dyspepsia in calves. (Rus) Veterinariya 12:52-54. Dec. 1965. 41.8 V6426
- 46711 ANTHONY, H. D. Anaplasmosis outlook. Iowa Vet. 37(1):5-8. Jan./Feb.1966. 41.8 Io9
- 46712 ARBEITER, K., GLAWISCHNIG, E., and ZINNBÄUER, H. Operative penis displacement in steer; sterile copulation as a possibility for stimulation of estrus and ovulation in cattle. (Ge) Wien. Tierarztl. Monatsschr. 52(8):765-773. Ref. Aug.1965. 41.8 T345
English summary.
- 46713 AUSTIN, F. H., and KELLY, W. R. Sulphamethylphenazole—a new long-acting sulphonamide. I. Some pharmacodynamic aspects in cattle. Vet. Rec. 78(4):122-127. Jan.22,1966. 41.8 V641
- 46714 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Eradication of bovine pleuropneumonia. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 51:8-11. Ref. June 1965. 23 R88
- 46715 BAIER, W. Puerperium in cattle with special notes on caesarian section. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(4):61-63. Feb.15,1966. 41.8 B45
English summary.
- 46716 BANKS, P. Effects of stimulation by carbachol on the metabolism of the bovine adrenal medulla. Biochem. J. 97(2):555-560. Ref. Nov.1965. 382 B52
- 46717 BANOZIC, S. A contribution to the study of the osmotic resistance of erythrocytes, values of hemoglobin and the sedimentation of the blood of cattle of Simmental breed. (Se) Poljoprivredna Znanstvena Smotra 20(5),15 p. 1965. 21.5 Z13
English summary.

- 46718 BARR, D. A. The management of large animals in foot-and-mouth disease research. *Anim. Tech. Inst. J.* 16(3):66-68. Sept.1965. 410.9 An5
Cattle, swine and sheep.
- 46719 BARTLEY, E. E. Bloat. New methods used in control. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:117-123. Ref. 1965. 389.79 W94
In cattle fed alfalfa; poloxalene used for bloat prevention.
- 46720 BARTLEY, E. E., and others. Bloat cattle. X. Efficacy of poloxalene in controlling alfalfa bloat in dairy steers and in lactating cows in commercial dairy herds. *J. Dairy Sci.* 48(12):1657-1662. Dec.1965. 44.8 J822
H. Lippke, H. B. Pfost, R. J. Nijweide, N. L. Jacobson, and R. M. Meyer, joint authors.
- 46721 BATTISTOTTI, B. Research on the leucocyte content of milk produced in the Province of Milano. (It) *Riv. Latte* 21(6):36-44. Ref. Nov./Dec.1965. 280.38 R52
In relation to results of the California mastitis test.
- 46722 BAUMGARTNER, H. Good hoof care increases profits. (Ge) *Grune* 94(6/2):169-176. Feb.11, 1966. 17 Sch9
Cattle.
- 46723 BECKER, R. B., HENDERSON, J. R., and LEIGHTY, R. G. Mineral malnutrition in cattle. *Fla. Agr. Exp. Sta. Tech. Bull.* 699, 54 p. Ref. Oct.1965. 100 F66S
Anemia and other deficiency diseases.
- 46724 BÉLIC, M. Relation between the age at the first parturition and the weight of calves at the birth and weaning date. (Se) *Savremena Poljoprivreda* 13(1):47-54. Ref. Jan.1965. 21 P75
German summary.
- 46725 BELOGRUDOV, I. G., and others. Effect of urea on digestion in rumen and composition of cow blood. (Rus) *Khim. Sel'skom Khoz.* 3(11):65-67. Ref. Nov.1965. 385 K524
E. F. Yakimchuk, E. I. Semenova, L. A. Flinta, and V. V. Storozhenko, joint authors.
- 46726 BERRY, I. L., SHANKLIN, M. D., and JOHNSON, H. D. Thermal insulation of bovine hair coats as related to physical hair characteristics. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):377-378, 381. Ref. 1965. 290.9 Am32T
- 46727 BHATTACHARYA, N. K., and MULLICK, D. N. Comparative study of mechanical factors in ruminant digestion. II. Pattern of rumen movements in ox and buffalo under similar dietary conditions. *Indian J. Exp. Biol.* 3(4):255-259. Oct.1965. 442.8 In2
- 46728 BOHOSIEWICZ, M., MIKOLAJCZAK-BOZILOW, B. Intoxications of cattle with cyanides. (Pol) *Med. Weter.* 21(10):616-618. Oct.1965. 41.8 M463
English summary.
- 46729 BORGIOLI, E. Intoxication of cattle caused by nitrate-containing forages. (It) *Inform. Zootec.* 12(15/16):521-522. Aug.15/31, 1965. 49 In3
- 46730 BOUCKAERT, J. H., and others. Five cases of perforated wounds of abdominal organs as a result of parturition of cattle. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(3):85-89. Mar.1965. 41.8 V84
W. Oyaert, A. De Moor, and F. Verschooten, joint authors.
English summary.
- 46731 BRADLEY, J. A. A stockman's hospital kit. *Can. Cattlemen* 28(9):27, 30. Sept.1965. 49 C16
Beef cattle drugs and equipment.
- 46732 BRION, A. Leptospirosis of cattle must now be discussed. (Fr) *Rev. Elevage* 21(1):53-54, 56. Jan.1966. 49 B462
Occurrence in France.
- 46733 BRODAUF, H. Evaluation and criticism of Schalm test on basis of results in the cattle health service of Baden regions. (Ge) *Arch. Lebensmittelhyg.* 16(11):250-253. Nov.1965. 41.8 L49
Mastitis of cattle.
- 46734 BROOKBANKS, E. O. A field experiment to evaluate a practical hygiene programme for the control of bovine mastitis. *New Zeal. Vet. J.* 13(6):163-166. Dec.1965. 41.8 N483
- 46735 BROWN, M. A., and MOTASEM, M. M. Comparisons of two techniques for measuring relative rates of moisture evaporation from limited skin areas of dairy cattle. *J. Dairy Sci.* 48(12):1643-1646. Dec.1965. 44.8 J822
- 46736 BÜRATTO, L., and POZZOBON, A. Variations of sensitivity to antibiotics of some *Escherichia coli* strains following previous treatments. *Vet. Ital.* 16(8/9):527-530. Aug./Sept.1965. 41.8 C87
Text also in Italian, p.521-526.
In relation to colibacillosis of calf.
- 46737 BUSCH, B. Blood groups of cattle. (Ge) *Tierzucht* 19(12):627-629. Dec.1965. 49 T443
- 46738 BUSCH, B. Results of blood group research. (Ge) *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 70:123-133. Ref. 1965. 18 D4825T
English summary.
Cattle.
- 46739 CABRERA, A. L. A. DE, and LAZCANO, R. R. Elaboracion del derivado proteico purificado de tuberculina mamifera (PPD) [Elaboration of purified protein derivative of mammalian tuberculin (PPD)]. *Rev. Invest. Agropecuar. Ser.* 4, *Patol. Anim.* 2(2):35-45. Ref. 1965. 41.8 R3227
English summary.
Includes test of cattle.
- 46740 CARDINALI, M. Plan for controlling bovine tuberculosis and brucellosis. (It) *Inform. Zootec.* 12(19):643-648. Oct.15, 1965. 49 In3
- 46741 CECIL, H. C., BITMAN, J., and WOOD, J. R. Changes in milk glycogen during mastitis. *J. Dairy Sci.* 48(12):1607-1611. Ref. Dec.1965. 44.8 J822
- 46742 CHARENSAC, M. Brucellosis of cattle. (Fr) *Avenir Agr.* 6:33-36. Nov./Dec.1965. 14 Av32
- 46743 CHOI, S. S., and FORSTER, T. L. The relationship of yellow color on milk sediment pads to mastitis. *J. Milk Food Technol.* 29(2):53-56. Feb.1966. 44.8 J824
- 46744 CLAGUE, D. C. Bloat's threat has diminished. *Queensland Agr. J.* 91(12):746-749. Dec.1965. 23 Q33
Cattle.
- 46745 CONNER, G. H., and others. Studies on the epidemiology of bovine leukemia. *U. S. Nat. Cancer Inst. J.* 36(3):383-388, map. Ref. Mar. 1966. 176.622 J82
J. A. LaBelle, R. F. Langham, and M. Crittenden, joint authors.
- 46746 COOPER, B. S. Stability of *Brucella abortus* vaccine. *New Zeal. Vet. J.* 13(6):166-168. Dec.1965. 41.8 N483
For cattle brucellosis.
- 46747 CRAWFORD, R. F., KENNEDY, W. K., and DAVISON, K. L. Factors influencing the toxicity of forages that contain nitrate when fed to cattle. *Cornell Vet.* 56(1):3-17. Ref. Jan. 1966. 41.8 C81
- 46748 CYBERNETIC SCIENCES SYMPOSIUM, 2, UNIVERSITY OF SOUTHERN CALIFORNIA, 1964. Biophysics and cybernetic systems; proceedings, edited by M. Maxfield, A. Callahan, and L. F. Fogel. Washington, Spartan Books, 1965. 184 p. Ref. Q320.C9
Includes research on cattle and pigeons.

- 46749 CZAJKOWSKI, Z., and ROSZKOWSKI, J. Introductory investigations on the effect of sea transport on the organism of cattle. (Pol) *Med. Weter.* 21(7):390-395. Ref. July 1965. 41.8 M463
English summary.
- 46750 DAVIDSON, R. M. A comparison of the efficacy of Canadian and Australian tuberculins. I. *New Zeal. Vet. J.* 13(5):109-115. Oct. 1965. 41.8 N483
Includes bovine strains.
- 46751 DAVIDSON, R. M. A comparison of the efficacy of Canadian and Australian tuberculins. II-III. *New Zeal. Vet. J.* 13(6):154-162. Dec. 1965. 41.8 N483
Includes bovine strains.
- 46752 DELLACHA, J. M., ENERO, M. A., and FAIFERMAN, I. Molecular weight of bovine growth hormone. *Experientia* 22(1):16-17. Ref. Jan. 15, 1966. 475 Ex7
- 46753 DIDERHOLM, H., and DINTER, Z. The use of SV 40-transformed cells for titrations of bovine viral diarrhoea and hog cholera viruses. *Zentralbl. Veterinarmed. Reihe B*, 12(6):460-475. Ref. Nov. 1965. 41.8 Z52
- 46754 DOBY, J. M., and CHICHE, G. Frequency of animal hepatic distomiasis in western France. (Fr) *Soc. Pathol. Exot. Bull.* 58(2):209-221, map. Ref. Mar./Apr. 1965. 448.9 So13
English summary.
Caused by *Fasciola hepatica* in cattle and sheep.
- 46755 DOHERTY, N. W. Dehorning—a must for dairy cattle. *Dairyfarming Dig.* 12(6):2-6. Nov./Dec. 1965. 44.8 D1443
- 46756 DOMIZIO, G. DI, MINOCCHERI, F., and TOTARO, L. Pathological aspects of isoenzymes of lactic dehydrogenase from adrenal cortex extracts and from liver, heart, muscle of cattle affected with oxalic nephropathy. (It) *Arch. Vet. Ital.* 16(5):321-330. Ref. Oct. 31, 1965. 41.8 Ar25
English summary.
- 46757 DVORAK, M. Ascorbic acid in the liver and adrenal glands of sucking calves for slaughtering. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:33-39. Ref. 1965. 41.9 B833
English summary.
- 46758 DVORAK, M. The effect of the rumen fluid of calves and of mature cattle on the stability of ascorbic acid. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:41-48. Ref. 1965. 41.9 B833
English summary.
- 46759 DVORAK, M. The total lipides and cholesterol in the blood serum of calves with different uptake of milk fat. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:49-58. Ref. 1965. 41.9 B833
English summary.
- 46760 EBERMANN, R., and LETTNER, F. Starch gel electrophoresis of the blood serum of Austrian cattle. (Ge) *Bodenkultur* 16(3):278-282. Ref. Sept. 1965. 19 B635
English summary.
- 46761 EFREMOV, G., and BRAEND, M. Differences in cattle globins. *Biochem. J.* 97(3):867-869. Ref. Dec. 1965. 382 B52
- 46762 EKMAN, L., and GUSTAFSSON, B. Underactive thyroid and lowered fertility of cows. (Sw) *Svensk Veterinartidn.* 17(15):458-460. Ref. Aug. 1965. 41.9 Sv23
- 46763 ELLIOTT, R. G. RMT [Rapid mastitis test] on the farm. *Dairy Notes* 2(1):2-4. Jan. 1965. 44.8 D1439
Mastitis diagnosis of cattle.
- 46764 EMELINA, A. M., and KORZENEV, M. P. Peculiarities of cattle linear growth. (Rus) *Vest. Sel'skokhoz. Nauk. [Moscow]* 1:29-31. Jan. 1966. 20 V633
- 46765 ENIGK, K. The combat of bovine parasite infections on pasture. (Ge) *Zuchtungskunde* 37 (9/10):440-446. Nov./Dec. 1965. 49 Z8
English summary.
- 46766 ES, A. J. H. VAN. Labour-saving methods for energy-balance experiments with cattle; description of equipment and methods used. *Neth. J. Agr. Sci.* 14(1):32-46. Feb. 1966. 12 N3892
- 46767 ESPERSEN, G. Swelling and displacement of the abomasum on the right side. (Pol) *Med. Weter.* 21(6):321-325. June 1965. 41.8 M463
Cattle.
- 46768 FIEVEZ, L. The association of non-sporulated, pyrogenous, anaerobic bacteria and *Corynebacterium pyogenes* in the pus of mammary abscesses of the cow. (Fr) *Ann. Med. Vet.* 109 (6):389-408. Ref. Oct. 1965. 41.8 An78
English summary.
- 46769 FILATOW, P. V. Leukemia in cattle. (Pol) *Med. Weter.* 21(6):329-330. June 1965. 41.8 M463
- 46770 FISHER, D. E., and others. Fate of Banvel T, ioxynil, Tordon, and trifluorilin in the dairy cow. *J. Dairy Sci.* 48(12):1711-1715. Dec. 1965. 44.8 J822
L. E. St. John, W. H. Gutenmann, D. G. Wagner, and D. J. Lisk, joint authors.
Herbicides.
- 46771 FORTUSHNYI, V. A., SHMIDOV, P. N., and TIMOSHENKO, O. P. The effect of antibiotics and their combinations in the case of coli enteritis of calves. (Rus) *Veterinariya* 12:11-13. Dec. 1965. 41.8 V6426
- 46772 FRITZBOGER, E. A. Addition to Veterinarian N. H. Veirup's article on: "The Stall as a cause of Injuries." (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(2):78-80. Jan. 15, 1966. 41.9 D23
Cattle.
- 46773 GERE, T. Castration without removing the epididymis and testicle connective tissue stock bases. (Hu) *Magyar Allatorv. Lapja* 20(12):568-570. Dec. 1965. 41.8 V644
Cattle.
- 46774 GIESE, W., HARRY, K. P., and PRINZ, W. The total beta activity in the teeth of cattle of different ages. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):587-591. Dec. 1965. 41.8 Z52
English summary.
- 46775 GLAWISCHNIG, E. Botulism of cattle. (Ge) *Wien. Tierarztl. Monatsschr.* 52(8):784-788. Ref. Aug. 1965. 41.8 T345
English summary.
- 46776 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. VETERINARY LABORATORY SERV. *Salmonellae* in cattle and their feedingsuffs, and the relation to human infection. *J. Hyg.* 63(2):223-241. Ref. June 1965. 449.8 J82
Public Health Laboratory Service cooperating.
- 46777 GRUNDER, H. D., and BRUNING, G. Research into the effect of new diuretics in cattle. I. The effect of Furosemid (Lasix-Hoechst). (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79 (5):81-83. Ref. Mar. 1, 1966. 41.8 B45
English summary.
- 46778 HAMPL, J., PROCHAZKA, Z., and KAZDA, J. The effect of ionizing radiation on the enzymatic activity of *Mycobacterium bovis*. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:69-76. Ref. 1965. 41.9 B833
English summary.
- 46779 HANSEL, W. Why cows fail to come into heat; the uterus must be healthy. *Hoards Dairyman* 111(5):316. Mar. 10, 1966. 44.8 H65
- 46780 HARTMANN, P. E., and LASCELLES, A. K. The effect of starvation on the uptake of the precursors of milk fat by the bovine mammary gland. *Australian J. Biol. Sci.* 18(5):1025-1034. Ref. Oct. 1965. 442.8 Au72
- 46781 HARWIN, G. O. Beef cattle. 2. Heavier weaners. *Farming S. Afr.* 41(9):32, 46. Dec. 1965. 24 So842
- 46782 HAUF, W. O. Livestock vs. parasites—a continuing battle: will the liver fluke be our next problem? *Can. Cattlemen* 28(9):18, 20-21. Sept. 1965. 49 C16
Chiefly cattle.

- 46783 HAUKE, H., and SCHONHERR, W. Contributions to milking hygiene. III. Further studies on reducing bacterial flora on the udder skin. (Ge) Tierzucht 20(1):19-21. Ref. Jan.1966. 49 T443
Includes application of disinfectants.
- 46784 HAWKINS, G. E., AUTREY, K. M., and HUFF, J. W. Effect of partial deprivation of parotid saliva on physiological responses of steers fed three levels of dietary sodium. J. Dairy Sci. 48(12):1663-1667. Ref. Dec.1965. 44.8 J822
- 46785 HEESCHEN, W. Study of the diagnosis and occurrence of cattle leukosis. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(1/3):149-154. Dec.1965. 448.3 C33
- 46786 HEIDRICH, H. J., and WIRTH, H. G. The frequency of occurrence of hyperthelia and hypermastia in cattle. 2. Yellow Franconian cattle. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(4):63-64. Feb.15,1966. 41.8 B45
English summary.
- 46787 HERRICK, J. B. Rid your herd of anaplasmosis. Beef 2(5):22. Jan.1966. 50.8 B39
- 46788 HERSCHEL, A. Care and diseases of veal calves. (Du) Veeteelt Zuivelber. 8(4):181-187. Apr.1965. 49 V51
Chiefly diseases.
- 46789 HODSON, H. H., and others. Metabolic role of rumen mucosa in absorption of butyrate. J. Dairy Sci. 48(12):1652-1656. Ref. Dec.1965. 44.8 J822
A. D. McGilliard, N. L. Jacobson, and R. S. Allen joint authors.
- 46790 HOLZSCHUH, W., and WETTERAU, H. Research on the break-down of non-protein nitrogen compounds in the rumen of ruminants. 4. (Ge) Arch. Tierernahr. 15(6):429-445. Ref. Dec.1965. 389.78 Ar22
English summary.
Cattle.
- 46791 HOPPE, R. Investigations on simultaneous Vibriofetus and Trichomonas bovis infection in heifers. (Pol) Med. Weter. 21(10):607-610. Oct.1965. 41.8 M463
English summary.
- 46792 HORVATH, GY., KEMENES, F., and KOLLAR, F. Occurrence in Hungary of abortion in cattle due to Leptospira pomona. (Hu) Magyar Allatorv. Lapja 20(12):548-553. Ref. Dec.1965. 41.8 V644
English summary.
- 46793 HRADIL, M. A model of the financial evaluation of losses in the eradication of tuberculousis of cattle by means of a radical method. (Cz) Brno.Vyzkum. Ustav Vet. Ved. Prace 4: 77-81. 1965. 41.9 B833
English summary.
- 46794 HUTH, F. W. Problem of growth in cattle. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:109-114. 1965. 18 D4825T
English summary.
- 46795 ICHHPONANI, J. S. Factors affecting the activity of rumen micro-organisms. Indian Vet. J. 43(1):16-25. Ref. Jan.1966. 41.8 In2
In relation to digestion studies of cattle.
- 46796 JANOVICS, A. Staphylococcal mastitis: inter-relationship between white cell count and number of staphylococci in the milk. S. Afr. Vet. Med. Ass. J. 36(3):357-359. Sept.1965. 41.8 So8
- 46797 KAGERUKA, P. Concerning mycosis-caused abortions in cattle. (Fr) Ann. Med. Vet. 109 (6):419-436. Ref. Oct.1965. 41.8 An78
- 46798 KAMYSZEK, F. Trichophyton infections of cattle. (Pol) Med. Weter. 21(6):330-332. June 1965. 41.8 M463
- 46799 KANAGAWA, H., and others. Chromosome studies on heterosexual twins in cattle. I-II. Jap. J. Vet. Res. 13(2):33-49. Ref. June 1965. 41.8 V6446
J. I. Muramoto, K. Kawata, and T. Ishikawa, joint authors.
Includes early diagnosis of freemartins.
- 46800 KELLER, H., and TEUSCHER, E. A case of inflammatory disk hernia with spinal paralysis in cattle. (Ge) Schweiz. Arch. Tierheilk. 107 (11):619-625. Ref. Nov.1965. 41.8 Sch9
English summary.
Includes Hypoderma bovis larvae as possible cause.
- 46801 KIERMEIER, F., and FREISFELD, I. Study of neuraminic acid content of cow's milk. II. Changes in the neuraminic acid content of milk through biological changes. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(5):267-277. Ref. 1965. 384 Z39
- 46802 KLAXZYNSKI, W. Rumenotomy and cesarean section in a heifer. (Pol) Med. Weter. 21(6): 368. June 1965. 41.8 M463
- 46803 KLECKNER, M. D., and ZIMBELMAN, R. G. Estrus synchronization: key to better beef production? Mod. Vet. Pract. 47(2):53-55. Feb.1966. 41.8 N812
Use of MAP, medroxyprogesterone acetate.
- 46804 KLEIN-HESSLING, P. Health injuries in litter-less lattice grate stabling. (Ge) Tierzuchter 18(3):79-81. Feb.5,1966. 49 T445
To cattle.
- 46805 KOCHETOV, M. Diagnosis of mastitis. (Rus) Sel'skoe Khoz. Beloruss. 16:14. Aug.1965. 20 Se496Ar
Cattle.
- 46806 KOSTYRA, J. Dentition strength of cattle in the course of investigations in slaughter animals in Lublin. (Pol) Med. Weter. 21(8):453-458. Ref. Aug.1965. 41.8 M463
- 46807 KOVAL', M., and KOLOMOETS, G. Saline solutions for treatment of dyspepsia in calves. (Rus) Sel'skoe Khoz. Beloruss. 16:14. Aug. 1965. 20 Se496Ar
- 46808 KOZNIEWSKI, S. Recording of rumen movements in unfistulated cow. (Pol) Med. Weter. 21(10):604-605. Oct.1965. 41.8 M463
- 46809 KREBS, H. A. Bovine ketosis. Vet. Rec. 78 (6):187-192. Ref. Feb.5,1966. 41.8 V641
Includes glucose therapy.
- 46810 KRIZANOVA, O., and SOKOL, F. Purification of bovine serum beta-inhibitor by chromatographic methods and its reaction with A1 influenza virus. Acta Virol. 10(1):35-42. Ref. Jan.1966. 448.3 Ac85
- 46811 KULKARNI, P. E., KADVEKAR, L. K., and JAMKHEDKAR, P. P. Foreign body syndrome in bovine. Indian Vet. J. 43(1):32-37. Jan. 1966. 41.8 In2
- 46812 KUMARAN, J. D. S., and BEDI, C. S. Estrus cycle in bovines. Indian Vet. J. 43(1):38-43. Ref. Jan.1966. 41.8 In2
- 46813 KURTZAHN, H. Milk sanitation on the farm. (Ge) Tierzucht 20(1):21-23. Ref. Jan.1966. 49 T443
Includes effect of disinfection of udders and milking machines on the quality of milk.
- 46814 LAMPO, P., and WILLEMS, A. Causes of variations in birth weight of calves. (Fl) Vlaams Diergeneesk. Tijdschr. 34(3):79-84. Ref. Mar. 1965. 41.8 V84
English summary.
- 46815 LANGE, W. Tissue cultures after inoculation with cell-free extracts from cattle. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 197(3):299-306. Sept.1965. 448.3 C33
English summary.
Leukemia study.
- 46816 LEBEDA, M. Relations between bicarbonate system and alkaline reserve of blood and blood plasma of cattle. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:125-132. Ref. 1965. 105.92 B833
English summary.
- 46817 LENSCH, J. Ricin poisoning of cattle. (Ge) Tierarztl. Umsch. 21(1):21-22. Jan.1,1966. 41.8 T445

- 46818 LEUNEN, J., and WELLEMANS, G. Virus diarrhea of cattle—first isolation of the virus in Belgium. (Fr) *Ann. Med. Vet.* 109(6):409-418. Ref. Oct.1965. 41.8 An78
English summary.
- 46819 LUICK, J. R. Biological effects of ionizing radiation on milk synthesis. I. A Co^{60} irradiator, "Bossy Nova—Mark 1." *J. Dairy Sci.* 48(12):1615-1617. Dec.1965. 44.8 J822
Cattle and goats.
- 46820 LUICK, J. R. Biological effects of ionizing radiation on milk synthesis. II. Milk production and composition. *J. Dairy Sci.* 48(12):1618-1622. Ref. Dec.1965. 44.8 J822
Cows and goats.
- 46821 LUSTRIA, U. M., ARPON, A. T., and RIGOR, E. M. Globe temperature, air temperature, relative humidity, pulse, respiration and temperature in native cattle. *Philippine Agr.* 48(10):463-474. Ref. Mar.1965. 25 P542
- 46822 MADER, W. Some remarks on the actinomycosis of cattle. (Ge) *Tierarztl. Umsch.* 21(1):33-34. Jan.1,1966. 41.8 T445
- 46823 MAGNANI, G., and CASATI, R. Influence of rancid edible fats on erythropoiesis and hemoglobin synthesis. (It) *Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.)* 4(3):608-611. Dec.1964. 16 M582
English summary.
Cattle and laboratory animals.
- 46824 MAMEDOV, A. Treatment of buffaloes sick with fascioliasis. (Az) *Kolkhoz.-Sovkhoz. Proizv. Azerbaidzh.* 5:33. May 1965. 20 So732
- 46825 MARCILESE, N. A., and others. Blood volumes and body: venous hematocrit ratio in cattle. *Cornell Vet.* 56(1):142-150. Ref. Jan. 1966. 41.8 C81
H. D. Figueiras, R. M. Valsecchi, and H. R. Camberos, joint authors.
- 46826 MASEK, J., and HAIS, K. A study of negative effects of industrial pollution on cattle. *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:83-92. Ref. 1965. 41.9 B833
- 46827 MATHIEU, L. G., and PELLETIER, R. P. A study of the oral toxicity of calcium chloride in dairy cows. *Can. J. Comp. Med. Vet. Sci.* 30(2):35-39. Ref. Feb.1966. 41.8 C162
- 46828 MCQUEEN, D. S. A foot condition in dairy cattle. *Dairyfarming Dig.* 12(6):28-30. Nov./Dec.1965. 44.8 D1443
Causing lameness.
- 46829 MENTER, J. G. Bacterin for mastitis control. *Mod. Vet. Pract.* 47(1):50,52. Jan.1966. 41.8 N812
Cattle in California.
- 46830 MILANES SOTO, C. Inspection of dairy barns. (Sp) *Indus. Lacteas* 14(7):20-24,29-30. (Cont.) Aug.1965. 286.85 In83
Cattle disease control.
- 46831 MORRISON, S. H. Milk fever; causes, methods of treatment and prevention, with special emphasis on proper mineral balance of rations in preventing the trouble. *Feedstuffs* 38(11):76, 78-79. Mar.19,1966. 286.81 F322
- 46832 MULLING, M. The behaviour of glucose levels in calf blood. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(1):42-52. Ref. Jan.1966. 41.8 Z5
English summary.
- 46833 MURPHY, F. A., OSEBOLD, J. W., and AALUND, O. Kinetics of the antibody response to Anaplasma marginale infection. *J. Infect. Dis.* 116(1):99-111. Ref. Feb.1966. 448.8 J821
In cattle.
- 46834 MUSETESCU, M., and MACARIE, I. Anatomic-clinical studies on endometritis in cows. (Rum) *Rev. Zootch. Med. Vet.* 15(12):45-55. Dec.1965. 49 P943
English summary.
- 46835 NEETZ, R. Foot-and-mouth disease continues to plague Europe. *Foreign Agr. Incl. Foreign Crops Markets* 4(6):8-9. Feb.7,1966. A281.9 F76Fo
Cattle and swine.
- 46836 NEIL, E. L. A total faecal collection apparatus for bullocks. *Anim. Tech. Inst. J.* 16(3):79-80. Sept.1965. 410.9 An5
- 46837 NEMECEK, L. L. Injuries and diseases of claws of cattle in loos housing and problem of the modification of hooves. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet.* 2:139-150. Ref. 1965. 105.92 B833
English summary.
- 46838 NEUMAN, V., and SINDELAROVA, K. Glycoproteides of the blood serum of horses and cows. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet.* 2:107-115. Ref. 1965. 105.92 B833
English summary.
- 46839 NONHOFF, R. Determination of alpha-ketoglutaric acid in cattle serum with pathogenic staphylococci. (Ge) *Z. Hyg. Infektionskrankh.* 151(4):349-355. Ref. Dec.1,1965. 449.8 Z3
- 46840 OMORI, T., and others. Infection with BEND virus in cattle. (Ja) *Jap. Vet. Med. Ass. J.* 18(7):31-36. Ref. 1965. 41.9 J275
Y. Inaba, Y. Tanaka, T. Morimoto, K. Mune-kata, K. Matsuda, and H. Kuroki, joint authors.
English summary.
- 46841 OTTERBY, D. E., and RUST, J. W. Effects of age and diet on rumen and blood components of the young calf. *J. Dairy Sci.* 48(12):1716-1718. Dec.1965. 44.8 J822
- 46842 OYAERT, W., and MUYLLE, E. Ruminitis. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(3):136-141. Mar.1965. 41.8 V84
English summary.
A form of necrobacillosis.
- 46843 PADRON, J., and SHETLAR, M. R. Electrophoretic studies of chemically and heat treated bovine plasma. *Int. Arch. Allergy Appl. Immunol.* 28(6):301-305. 1965. 448.8 In8
- 46844 PALOHEIMO, L., BJORKENHEIM, L. M., and LEIVONEN, H. Studies on the main chemical composition of bones. *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 37(2):89-97. 1965. 20 Su7M
Cattle.
- 46845 PANDE, R., and PATHAK, R. C. Serological identification and cross reactions of cow and buffalo milk with other body fluids. *Indian J. Exp. Biol.* 3(4):244-246. Ref. Oct.1965. 442.8 In2
- 46846 PATAKI, I., and SZAZADOS, I. Cattle cysticercosis incidence at the Pecs slaughter-house. (Hu) *Husipar* 15(1):16-19. Jan./Feb.1966. 50.8 H95
English summary.
- 46847 PAVLAS, M. A contribution to the use of nifedrazid (INH) in raising calves in agricultural establishments affected with tuberculosis. *Brno Vyzkumn. Ustav Vet. Ved. Prace* 4:139-149. Ref. 1965. 41.9 B833
- 46848 PAVLAS, M., and ROSSI, L. A contribution towards the proving of Mycobacterium bovis by means of cultivation. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:151-157. Ref. 1965. 41.9 B833
English summary.
- 46849 PAVLAS, M. The effectiveness of isonicotinic acid hydrazide and cycloserine for the prevention and therapy of tuberculosis in cattle. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:125-137. Ref. 1965. 41.9 B833
English summary.
- 46850 PAVLAS, M. The importance of some saprophytic mycobacteria in the paraallergic reactions to mammalian tuberculin in cattle. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:111-124. Ref. 1965. 41.9 B833
English summary.

- 46851 PAVLAS, M. The use of diluted tuberculin for differentiating between allergies induced in cattle by infection with *Mycobacterium bovis* and *M. tuberculosis*. Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:93-110. Ref. 1965. 41.9 B833
- 46852 PEDERSEN, E. O. Methods of controlling internal parasites in stock. New Zeal. J. Agr. 112(1):21. Jan.1966. 23 N48J
Cattle and sheep.
- 46853 PETROV, P. E. Some data on electrocardiography of newborn calves. (Rus) Veterinariya 12:54-57. Dec.1965. 41.8 V6426
- 46854 PFEIFFER, H. The effect of Mansonil against *Moniezia* infestation of cattle. (Ge) Wien. Tierarztl. Monatsschr. 52(10):910-912. Oct. 1965. 41.8 T345
English summary.
Moniezia expansa.
- 46855 PHILLIPS, J. E. The incidence of agglutinating antibodies to *Actinobacillus lignieresii* in the sera of normal and infected cattle. J. Pathol. Bacteriol. 90(2):557-566. Oct.1965. 44.8 J82
- 46856 PHIPPS, L. W., and NEWBOULD, F. H. S. Isolation and electronic counting of leucocytes in cows' milk. Vet. Rec. 77(46):1377-1379. Nov.13,1965. 41.8 V641
- 46857 PIATKOWSKI, B. Metabolism and feeding of heifers and cows in late pregnancy. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:57-65. Ref. 1965. 18 D4825T
English summary.
- 46858 PICKARD, A. M. Brucellosis: eradication versus control. Cattleman 52(8):16.80. Jan. 1966. 49 C29
Cattle.
- 46859 PIGNATTELLI, P., and SILVESTRI, R. In vitro activity of Aminosalicylic acid against staphylococci of cattle mastitis; concentration and persistence in milk following intramammary infusion. (Ge) Wien. Tierarztl. Monatsschr. 52(7):699-706. Ref. July 1965. 41.8 T345
English summary.
- 46860 POLEY, G. E., and BLAYLOCK, L. G. Urinary calculi in fattening cattle. Amer. Feed Manufacturers Ass. Nutr. Coun. Proc., 25th Semi-annu. Meeting:8-9. Ref. 1965. 389.79 Am32
Literature review.
- 46861 POPESCU, P., and GRANCIU, I. Study of the normal type of chromosomes of cattle. (Rum) Rev. Zooteh. Med. Vet. 15(10):26-32. Ref. Oct.1965. 49 P943
- 46862 POTASHEVSKY, N. D. Pathomorphology of mammary gland in the case of its inflammation. (Rus) Veterinariya 12:71-74. Dec.1965. 41.8 V6426
Cattle mastitis.
- 46863 RADOSTITS, O. M. Pneumonia and infectious bovine rhinotracheitis of cattle. Can. Cattleman 28(9):22-25. Sept.1965. 49 C16
- 46864 RAHMAN, S. A., and DECKER, P. Comparative study of the urease in the rumen wall and rumen content. Nature [London] 209(5023): 618-619. Feb.5,1966. 472 N21
Cattle.
- 46865 RAO, A. R., MULLICK, D. N., and MAHADEVAN, V. The levels of some minerals in the sera of growing buffalo calves. Indian Vet. J. 43(1):55-60. Ref. Jan.1966. 41.8 In2
- 46866 RAO, A. R., RAO, P. N., and RAO, A. S. P. Studies on parturition of Ongole cattle. Indian Vet. J. 43(1):44-49. Jan.1966. 41.8 In2
- 46867 RAO, S. V. Abomasotomy in the bovine. Indian Vet. J. 43(1):67-76. Ref. Jan.1966. 41.8 In2
- 46868 REZENDE, R. T. DE. Development factor in cattle. (Por) Inst. Laticinios Candido Tostes. Rev. 20(120):24-25. May/June 1965. 44.8 F33
- 46869 ROMANO, R. Thyroid pathology of calves with congenital goiter. II. (It) Zooprofilassi 20(11): 585-593. Ref. Nov.1965. 41.8 Z72
English summary, p.630.
- 46870 ROMBOLI, B. Traumatic ulcer on the bovine tongue. (It) Zooprofilassi 20(11):579-581. Nov.1965. 41.8 Z72
English summary p.630.
- 46871 ROSSI, L. Evaluation of the avian tuberculo-protein. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:209-216. Ref. 1965. 41.9 B833
English summary.
Allergies of cattle to *Mycobacterium avium*.
- 46872 ROSSI, L. Observations on allergy after experimental oral *Mycobacterium bovis* infection in cattle. Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:191-196. Ref. 1965. 41.9 B833
- 46873 ROSSI, L. A study on the activity of autogenous bovine tuberculin. Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:197-208. Ref. 1965.
- 46874 ROWLEY, D. Phagocytosis and immunity. Experientia 22(1):1-5. Ref. Jan.15,1966. 475 Ex7
Includes scours in calves.
- 46875 ROZTOCIL, V. Experimental evaluation of dehorning methods of cattle. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2: 197-209. Ref. 1965. 105.92 B833
English summary.
- 46876 SAUCIER, A. Milk quality and bovine mastitis. (Fr) Quebec Lait. Aliment. 24(7):8. July 1965. 44.8 Q3
- 46877 SAXENA, S., and HOERLEIN, A. B. Studies on shipping fever of cattle. III. Comparison of *Pasteurella* spp. isolated from shipping fever and other infectious processes. Indian Vet. J. 43(1):1-8. Ref. Jan.1966. 41.8 In2
- 46878 SAZONOVA, T. N. Reducing service-period of cows by iodine in feed. (Rus) Khim. Sel'skom Khoz. 4(1):44-48. Ref. Jan.1966. 385 K524
- 46879 SCHEURING, W. Fold fixation of rumen in the course of rumenotomy of cattle. (Pol) Med. Weter. 21(8):498-499. Aug.1965. 41.8 M463
- 46880 SCHMID, D. O. Twinning and multiple births research of cattle from serological and immunogenetical aspects. (Ge) Wien. Tierarztl. Monatsschr. 52(8):741-765. Ref. Aug.1965. 41.8 T345
English summary.
- 46881 SCHOBESCH, O., BARBURA, T., and TROPA, V. Contribution to bovine ringworm treatment with "Saprosan" unguent. (Rum) Rev. Zooteh. Med. Vet. 15(12):59-63. Dec.1965. 49 P943
English summary.
- 46882 SCHULTZ, R. H., FAHNING, M. L., and GRAHAM, E. F. A technique for exposure of the bovine internal genitalia. Vet. Rec. 78(3):91-93. Jan.15,1966. 41.8 V641
- 46883 SEICIU, F. Some observations on the etiology of dystocia of cattle. (Rum) Rev. Zooteh. Med. Vet. 15(9):65-68. Sept.1965. 49 P943
- 46884 SEWELL, M. M. H. The pathogenesis of fascioliasis. Vet. Rec. 78(3):98-109. Ref. Jan.15,1966. 41.8 V641
Fasciola gigantica infection of cattle.
Includes discussion.
- 46885 SHESTERIN, G. V. Properties of beef depending on the hormonal state of the organism. (Rus) Veterinariya 1:100-101. Jan.1966. 41.8 V6426
- 46886 SHONE, D. K. Poloxalene as a prophylactic and therapeutic agent for bloat in cattle fed on high concentrate diets. S. Afr. Vet. Med. Ass. J. 36(3):373-375. Sept.1965. 41.8 So8
- 46887 SINDELAROVA, K., NEUMAN, V., and SVOBODOVA, Z. The distribution of ornithine carbamyl transferase in individual organs and tissues of cattle and poultry. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:117-124. Ref. 1965. 105.92 B833
English summary.

- 46888 SINGH, N. P. Certain immunological and bacteriological factors producing embryo loss in dairy cattle. Diss. Abs. 26(6):3458. Dec.1965. 241.8 M58
Effect of microorganisms and antigen and antibody production on reproductive efficiency.
- 46889 SINK, J. D., HUSTON, C. K., and SHIGLEY, J. W. Effect of diethylstilboestrol on adipose-tissue lipids. *Biochem. J.* 97(2):371-374. Ref. Nov.1965. 382 B52
In the ox.
- 46890 SITARSKA, E. The use of gamma-globulin in the treatment of disease of young livestock. II. The usefulness of gamma-globulin in the treatment of colibacteriosis of calves. (Pol) *Med. Weter.* 21(8):449-453. Ref. Aug.1965. 41.8 M463
English summary.
- 46891 SMIRNOV, K. L., and KUZIN, A. I. Eradication of tuberculosis in cattle. (Rus) *Veterinariya* 1:37-39. Jan.1966. 41.8 V6426
- 46892 SPASSOV, A. Control of leech infestation of buffaloes. (Ge) *Wien. Tierarztl. Monatsschr.* 52(8):792. Aug.1965. 41.8 T345
- 46893 SPRATLING, F. R., and others. Experimental hypovitaminosis-A in calves; clinical and gross post-mortem findings. *Vet. Rec.* 77(51):1532-1542. Ref. Dec.18,1965. 41.8 V641
P. S. Bridge, K. C. Barnett, J. T. Abrams, and A. C. Palmer, joint authors.
- 46894 SPRYSZAK, A., and ZORAWSKI, C. The effects of infection with human, bovine and avian type of tubercle bacilli on the results of tuberculin test. (Pol) *Med. Weter.* 21(7):406-412. Ref. July 1965. 41.8 M463
English summary.
Cattle.
- 46895 STABENFELDT, G. H., and SPENCER, G. R. The lesions in bovine udders shedding non-hemolytic coagulase-negative staphylococci. *Pathol. Vet.* 3(1):27-39. Ref. 1966. 41.8 P27
- 46896 STEGER, H., PIATKOWSKI, B., and BUSCH, B. Influence of hot air drying and ensiling on the anemic factor of marrow cabbage. (Ge) *Arch. Tierernahr.* 15(6):455-459. Dec.1965. 389.78 Ar22
English summary.
Fed to cattle and sheep.
- 46897 STEGER, H., PIATKOWSKI, B., and PUSCHEL, F. On the effect of thiocyanate on the metabolism of dairy cattle. (Ge) *Arch. Tierernahr.* 15(6):399-405. Ref. Dec.1965. 389.78 Ar22
English summary.
- 46898 STORRY, J. E., and ROOK, J. A. F. Effects of intravenous infusions of acetate, beta-hydroxybutyrate, triglyceride and other metabolites on the composition of the milk fat and blood in cows. *Biochem. J.* 97(3):879-886. Ref. Dec. 1965. 382 B52
- 46899 STRAFUSS, A. C., and MONLUX, W. S. A central-nervous-system reaction to disturbances in ruminant digestion. *Cornell Vet.* 56(1):128-141. Ref. Jan.1966. 41.8 C81
Cattle.
- 46900 STUKOVSKY, J. Situation of blood group research in the Hungarian People's Republic. (Ge) *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 70:143-146. 1965. 18 D4825T
English summary.
Cattle.
- 46901 SURYNEK, J., and VARGA, P. Amylase activity in blood plasma of healthy calves. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet.* 2:133-138. Ref. 1965. 105.92 B833
English summary.
- 46902 TAYLOR, W. P., and PLOWRIGHT, W. Studies on the pathogenesis of rinderpest in experimental cattle. III. *J. Hyg.* 63(2):263-275. Ref. June 1965. 449.8 J82
- 46903 TCHEREMISINOV, G. A. Changes in the ovary of cows under the effect of pregnant mare's serum and pregnant mare's blood. (Rus) *Veterinariya* 12:64-68. Dec.1965. 41.8 V6426
- 46904 THILLEROT, M. Mammitis of dairy cows. (Fr) *Avenir Agr.* 6:41-42. Nov./Dec.1965. 14 Av32
- 46905 THOMSON, D. R. Curiosity of calves sometimes their undoing. *New Zeal. J. Agr.* 112(1):25. Jan.1966. 23 N48J
Poisoning by tar.
- 46906 TODD, A. C. Worm control and modern livestock production. *Cattleman* 52(8):43,84. Jan. 1966. 49 C29
Beef cattle.
- 46907 TOLLE, A., SCHAAL, E., and JAHNKE, H. D. Comparative studies of the blood films stained with Pappenheim and Wright stains for diagnosis of leucosis. (Ge) *Zentralbl. Veterinar-med. Reihe B*, 13(1):62-67. Feb.1966. 41.8 Z52
English summary.
In relation to cattle leukemia.
- 46908 TOLLE, A. The transmissibility of cattle leucosis. (Ge) *Zentralbl. Bakteriol. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 198(1/3):142-149. Ref. Dec.1965. 448.3 C33
- 46909 TCNKEN, B. W. Perfringens in cattle. *Can. Cattlemen* 28(9):51,54. Sept.1965. 49 C16
Clostridium perfringens type D, the cause of enterotoxemia in lambs, found in Canada.
- 46910 TSEKENDORZH, D. Dyspepsia of newborn calves. (Rus) *Veterinariya* 12:57-59. Dec. 1965. 41.8 V6426
- 46911 UHLENBRUCK, G., CRISSKE, H. W., and HEITMANN, R. C.S.F. [cerebrospinal fluid]-specific proteins from cattle. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 13(1):68-70. Feb. 1966. 41.8 Z52
English summary.
Demonstrated by immuno-electrophoresis.
- 46912 VANCE, H. N. Coccidiosis in cattle. *Can. Cattlemen* 28(9):37. Sept.1965. 49 C16
- 46913 VETTER, O., and WUJANZ, G. Serological studies on cattle erythrocytes submitted to proteolytic fermentation. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 13(1):71-81. Ref. Feb. 1966. 41.8 Z52
English summary.
- 46914 VLADUTIU, O., and MICLAUS, I. A contribution to the treatment of chronic actinobacillosis of cattle. (Rum) *Rev. Zooteh. Med. Vet.* 15(10):51-56. Oct.1965. 49 P943
English summary.
- 46915 VLCEK, Z. Some information on the significance of the *Corynebacterium pyogenes* genital infection of the cattle in the etiology of the sterility. (Cz) *Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet.* 2:173-183. Ref. 1965. 105.92 B833
English summary.
- 46916 VOGLER, G. Care of the uterus and abdominal cavity following uterine hernia of cattle. (Ge) *Wien. Tierarztl. Monatsschr.* 52(10):923-925. Oct.1965. 41.8 T345
- 46917 VOLINTIR, V., and others. Isolation of some yeastlike fungi in the case of abortion of cattle. (Rum) *Rev. Zooteh. Med. Vet.* 15(10):68-71. Oct.1965. 49 P943
P. Onica, M. Garoiu, and I. Jivanescu, joint authors.
- 46918 WACHNIK, Z. Investigations on the health of cattle grazed on a pasture irrigated by sewage water. III. The level of Na, K, and Ca in the serum of heifers. (Pol) *Med. Weter.* 21(10):597-599. Ref. Oct.1965. 41.8 M463
English summary.
- 46919 WAGNER, B. Study of ectogenic stages of helminths. I. (Ge) *Angew. Parasitol.* 6(3):142-150. Ref. Aug.1965. 436.8 An4
English summary.
Fasciola hepatica in cattle.

- 46920 WARREN, E. P., THRIFT, F. A., and CARMON, J. L. Estimates of the effects of certain environmental factors on weaning weights of Georgia beef calves. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.)47,22 p. Ref. Oct.1965. 100 G293T
Statistical methods; factors include age and sex of calf and age of dam.
- 46921 WATT, J. G. The use of fluid replacement in the treatment of neonatal diseases in calves. Vet. Rec. 77(49):1474-1486. Ref. Dec.4,1965. 41.8 V641
Scours, chiefly.
Includes discussion.
- 46922 WAWRZYNCZAK, S. The effect of partial castration of young bulls on the fattening of young cattle. (Pol) Med. Weter. 21(6):359-363. Ref. June 1965. 41.8 M463
English summary.
- 46923 WHITE, G. An attempt to control the spread of staphylococcal mastitis in two herds by segregation and culling. Vet. Rec. 77(47):1384-1386. Nov.20,1965. 41.8 V641
Cattle.
- 46924 WHITTLESTONE, W. G., and DE LANGEN, H. The cell count of milk and rapid tests for mastitis. Milk Board J. 17(1):27,29,31,33. Ref. Jan.1966. 44.8 M5934
- 46925 WHITTOW, G. C. The effect of hyperthermia on the systemic and pulmonary circulation of the ox (*Bos taurus*). Quart. J. Exp. Physiol. Cog. Med. Sci. 50(3):300-311. Ref. July 1965. 447.8 Q1
- 46926 WILSON, A. P., RHOADES, H. E., and GOSSLING, J. Comparison of the characteristics of staphylococci isolated from the bovine udder with signs of infection. Cornell Vet. 56(1):25-37. Ref. Jan.1966. 41.8 C81
Mastitis.
- 46927 WILSON, D. W. The 75-ton device counts cows. Colo. Farm Home Res. 16(4):2,8. Jan./Feb.1966. 100 C712Co
Measures radioactivity in cows and people.
- 46928 WINTER, A. J. Characterization of the antibody for *Vibrio fetus* endotoxin in sera of normal and *V. fetus* infected cattle. J. Immunol. 95(6):1002-1012. Ref. Dec.1965. 448.8 J8232
- 46929 WISNIEWSKI, J. Investigations on the increase of neutralizing antibodies after the immunisation of cattle with various doses of trivalent anti-foot-and-mouth disease vaccine. (Pol) Med. Weter. 21(8):471-473. Ref. Aug.1965. 41.8 M463
English summary.
- 46930 WIZIGMANN, G., and SCHIEFER, B. Isolation of rhinoviruses in calves and studies on the significance of these viruses in the development of calf diseases. (Ge) Zentralbl. Veterinarmed. Reihe B, 13(1):37-50. Ref. Feb.1966. 41.8 Z52
English summary.
- 46931 WORTHINGTON, R. W. Investigations on the sensitivity of tuberculous and non-tuberculous cattle to various mycobacterial sensitins. S. Afr. Vet. Med. Ass. J. 36(3):395-401. Ref. Sept.1965. 41.8 So8
- 46932 YAKIMCHUK, I. L. Prophylaxis and therapy of mastitis due to foot-and-mouth disease. (Rus) Veterinariya 1:79-81. Jan.1966. 41.8 V6426
Cattle.
- 46933 YAKIMENKO, A. K. The use of non-purified gastric juice. (Rus) Veterinariya 12:50-51. Dec.1965. 41.8 V6426
Especially for scours of calves and baby pigs.
- 46934 YAMADA, S. Studies on bovine enteroviruses. I-III. (Ja) Jap. J. Vet. Sci. 27(2):133-143; (3):171-177; (5):271-276. Ref. Apr.-June,Oct. 1965. 41.8 J27
English summary.
- 46935 YANG, M. G., and THOMAS, J. W. Absorption and secretion of some organic and inorganic constituents and the distribution of these constituents throughout the alimentary tract of young calves. J. Nutr. 87(4):444-458. Ref. Dec.1965. 389.8 J82
- 46936 YARNYKH, V. S., and others. Method of milk disinfection on farms infected with foot-and-mouth disease, tuberculosis, brucellosis and paratyphoid fever. (Rus) Veterinariya 1:92-94. Jan.1966. 41.8 V6426
E. Sh. Akopyan, Z. E. Vranchan, and V. I. Ivanova, joint authors.

Miscellaneous

- 46937 ALIM, K. A. Certain factors affecting the fat percentages of cow and buffalo milk. Trop. Agr. [St. Augustine] 42(2):121-123. Apr.1965. 26 T754
- 46938 BARNETT, N. T. Disposal of shed effluent. Massey Univ. Dairyfarming Annu. 1965:121-124. 44.9 M382
- 46939 BAZLER, B. New price system—new possibilities in cattle fattening. (Hu) Magyar Mezőgazdaság 21(5):14-15. Feb.2,1966. 19 M27
Meat production costs and price relations.
- 46940 BELLANI, L., and RUGGERI, L. Loose housing of dairy cattle. (It) Clin. Vet. 88(12):383-398. Dec.1965. 41.8 C61
English summary.
With specific reference to disease conditions, in Italy.
- 46941 BRETH, F. E. Electronic computers at the service of dairy production. (Fr) Rev. Elevage 20(12):21-22,24-25. Dec.1965. 49 B462
- 46942 CHANCE, C. M. How to get more milk from your dairy herd. Md. Univ. Ext. Fact Sheet 172,4 p. Sept.1965. 275.29 M36Fa
Record keeping.
- 46943 DAVIS, G. M. Mariana Islands cattle development. S. Pacific Bull. 15(3):26-28,65. July 1965. 280.8 So89
- 46944 DECHENT. Breeding goal and meat production. (Ge) Arbeitsgemeinschaft. Nordbad. Tierzuchtverbände. Mitteilungsbl. 16(1):821-822. Jan./Feb.1966. 49.9 Ar1
Cattle meat production, chiefly.
- 46945 EWBANK, R. Crib-biting in cattle. S. Afr. Vet. Med. Ass. J. 36(3):403. Sept.1965. 41.8 So8
- 46946 FITZSIMMONS, R. This problem of replacements. Vt. Farm Home Sci 8(2):11. Fall 1965. 100 V593
Dairy herd; points to consider.
- 46947 FLETCHER, B. J. Up the trail in '79. Cattleman 52(9):42,74,76,80-82; (10):34,94-96. Feb.-Mar.1966. 49 C29
Driving cattle.
- 46948 GHEORGHE, V. Study on the variation in the chemical composition of cattle meat in accordance with the treatment given to animals prior to slaughtering. (Rum) Indus. Aliment. 16(8):413-416,419. Aug.1965. 389.8 In26
English summary.
- 46949 GRANIER, P., and THEODOSIADIS, G. Improvement of semi-intensive dairy cattle production in the middle west of Madagascar. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)18(3):339-348, map. 1965. 41.8 R3262
English summary.
- 46950 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Beef production. Great Brit. Min. Agr. Fish. Food. Bull. 178,61 p. 1965. 10 G794B
- 46951 HAHN, L., and others. Inspired-air cooling for lactating dairy cows in a hot environment. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):332-334,337. 1965. 290.9 Am32T
H. D. Johnson, M. Shanklin, and H. H. Kibler, joint authors.
- 46952 KILLOUGH, J. More meat for the Nigerians' table. Our Publ. Lands 15(1):20-21. Summer 1965. 156.55 Ou7
Cattle raising.
- 46953 KLOSTERMAN, E. W. Fattening cattle on slotted floors. Feedstuffs 38(2):38. Jan.15, 1966. 286.81 F322

- 46954 KOLLER, G. Cost-saving calf and young cattle raising. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.2):85-96. 1965. 18 L24
Includes costs.
- 46955 KREUZER, Z. The influence of management and feeding on the contamination of the flesh of cattle with ^{137}Cs and methods for its measurement. (Ge) Zentralbl. Veterinärmed. Reihe B, 12(7):592-599, map. Dec. 1965. 41.8 Z52
English summary.
Includes discussion.
- 46956 LENSCHOW, J. Proposition for introducing milk producer advisory services [Milcherzeugerberatungsdienst] in the Institute for Milk Research [Institut für Milchforschung] Oranienburg. (Ge) Tierzucht 19(12):635-636. Dec. 1965. 49 T443
- 46957 MARYLAND DAIRY HERD IMPROVEMENT CORPORATION. Maryland DHIC yearbook 1965. n.p., 1965. 20 p. 44.92 M363
Department of Dairy Science, University of Maryland, cooperating.
- 46958 MESTERJAHN, H. Milk production tests as basis for increasing performances of cattle stocks. (Ge) Tierzucht 20(2):70-72. Feb. 1966. 49 T443
- 46959 NEBRASKA UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Make dairying pay the record way. Nebr. Univ. Ext. EC65-646, 6 p.-folder. 1965. 275.29 N272Ex
National Cooperative Dairy Herd Improvement Program.
- 46960 OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Beef cattle research, 1965. Ohio. Agr. Res. Develop. Center. Res. Sum. 7, 28 p. Jan. 1966. 100 Oh3Rs
- 46961 PENNER, E. Some problems of young cattle rearing and evaluation of production. (Ge) Tierzucht 20(2):63-66. Feb. 1966. 49 T443
Includes milk production performance.
- 46962 PETRESCU, C. D. Some aspects of the development of milk production in the Slobozia district. (Rum) Rev. Zooteh. Med. Vet. 15(12):19-24. Dec. 1965. 49 P943
- 46963 PIGDEN, W. J. Beef production from dairy calves. Food Res. Notes 15:1. Mar. 1965. 389.8 F7348
- 46964 RINGLER, E., and SCHIRMER, H. Execution of milk production test in raw milk installations with "Milkoscope." (Ge) Tierzuchter 18(5):136-138. Mar. 5, 1966. 49 T445
- 46965 ROUX, A. Is there a future in producing young cattle for meat? (Fr) Rev. Elevage 20(12):33-34, 37; 21(1):29-30, 33-34, 37-38. (Concl.) Dec. 1965-Jan. 1966. 49 B462
Highlights of addresses given at sessions held by the Centre National des Expositions et Concours Agricoles in 1965.
- 46966 RUTH, K. Cowboy Hall of Fame fitting tribute to a glorious past. Cattleman 52(9):38, 72. Feb. 1966. 49 C29
- 46967 SEN, K. C., and LAXMINARAYANA, H. Dairying in India. Bharat Krishak Samaj. 1964:457-468. 22 B46
Industry.
- 46968 SIRBULESCU, V. The contents and correlation between fat and protein in bovine milk in relation to the lactation stage. (Rum) Rev. Zooteh. Med. Vet. 15(9):18-26. Sept. 1965. 49 P943
English summary.
- 46969 TURNER, H. G. Adaptation of cattle to South Pacific areas. S. Pacific Bull. 15(2):38-40. Apr. 1965. 280.8 So89
- 46970 VELDMAN, M. M. Les possibilites d'elevage bovin sur le littoral algerien [Possibilities of cattle raising on the Algerian coast]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2046, 21 p. 1965. 281.9 F733E
- 46971 WALKER, G. Feeds, management can adversely effect "fat" content of milk. Western Farmer 43(7):18-19. Jan. 1966. 47.8 W27
- 46972 WHITTLESTONE, W. G. Preparation of the cow for milk production. Town Milk 13(2):9-14. May 1965. 44.8 T66
Includes milking technique.
- 46973 WHYTE, R. O., SHANMUGASUNDARAM, K. S., and MATHUR, M. L. Targets and resources in an Intensive Cattle Development project—Coimbatore district. Indian Dairymen 18(1):29-36, map. Jan. 1966. 44.8 In282
- 46974 WISNIOWSKI, J. Veterinary supervision of mechanical milking. (Pol) Med. Weter. 21(7):385-390. Ref. July 1965. 41.8 M463
- 46975 YEATES, N. T. M. Modern aspects of animal production. London, Butterworth, 1965. 371 p. Ref. SF61.Y4
Contains reproduction, the influence of climate, meat and wool of cattle and sheep.

DOGS AND CATS

Breeds and Breeding

- 46976 KENNEL CLUB. The Kennel Club calendar & stud book for the year 1964. Vol. XCII. London, 1965. 934 p. 48.9 K39
- 46977 SCHUTTE, A. P., and BEZUIDENHOUT, J. P. Practical aspects of A.I. in dogs. I-II. S. Afr. Vet. Med. Ass. J. 36(3):345-347, 349-354. Ref. Sept. 1965. 41.8 So8

Veterinary Medicine

- 46978 AMBACHE, N., KAVANAGH, L., and WHITING, J. Some differences in uveal reactions between cats and rabbits. J. Physiol. 182(1):110-130. Ref. Jan. 1966. 447.8 J82
- 46979 BAKER, K. P. Skin disease in dogs. Vet. Rec. 78(2):80-81. Ref. Jan. 8, 1966. 41.8 V641
- 46980 BALU, P. A., and GANAPATHY, M. S. Clinicopathological studies of experimental hepatitis in dogs. Indian Vet. J. 43(1):26-32. Jan. 1966. 41.8 In2
- 46981 BASSON, P. A., and PIENAAR, J. G. Canine babesiosis: a report on the pathology of three cases with special reference to the "cerebral" form. S. Afr. Vet. Med. Ass. J. 36(3):333-341. Ref. Sept. 1965. 41.8 So8
Babesia canis isolated.
- 46982 BESSOU, P., and PERL, E. R. A movement receptor of the small intestine. J. Physiol. 182(2):404-426. Ref. Jan. 1966. 447.8 J82
In cat.
- 46983 BOCCADORO, B., and others. Research on adenolymphography in the dog under various experimental conditions. (It) Clin. Vet. 88(12):361-382. Ref. Dec. 1965. 41.8 C61
P. Marano, A. R. Calvari, U. Nucci, L. Leonardi, and C. Uslenghi, joint authors.
English summary.
- 46984 BOURDIN, P., and SUREAU, P. About the efficacy of dog antirabies vaccination with the Flury L.E.P. vaccine in Madagascar. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.) 18(3):243-246. 1965. 41.8 R3262
English summary.
- 46985 CAPEN, C. C., and COLE, C. R. Pulmonary lesions in dogs with experimental and naturally occurring toxoplasmosis. Pathol. Vet. 3(1):40-63. Ref. 1966. 41.8 P27
- 46986 DORRINGTON, J. E. Preliminary report on the transmission of Filaroides osleri (Cobbold, 1879) in dogs. S. Afr. Vet. Med. Ass. J. 36(3):389. Sept. 1965. 41.8 So8
Lungworm.
- 46987 EIKMEIER, H., and MANZ, D. Research into eosinophilia in dogs. II. Occurrence of eosinophilia in various diseases, with the exception of digestive disturbances. (Ge) Berliner Münchener Tierärztl. Wochenschr. 79(5):84-86. Mar. 1, 1966. 41.8 B45
English summary.

- 46988 ELFFORS, S., and TUFVESSON, G. Heterologous albumin (bovine) as a plasma expander in the dog. *Cornell Vet.* 56(1):104-123. Ref. Jan. 1966. 41.8 C81
Used as an agent for shock prophylaxis.
- 46989 EUZEBY, J. Taeniasis of dogs and cats and its economic and social consequences. (Fr) *Cah. Med. Vet.* 34(15):167-211. Sept./Oct. 1965. 41.8 C11
- 46990 FORD, L. Leukocyte culture and chromosome preparations from adult dog blood. *Stain Technol.* 40(6):317-320. Nov. 1965. 442.8 St1
- 46991 GABRYS, A., and LIBERSKI, M. Serological examination of cats for toxoplasmosis. (Pol) *Med. Weter.* 21(6):344-345. Ref. June 1965. 41.8 M463
English summary.
- 46992 GEIGENMULLER, H. Contribution to torsio uteri gravidi of dog. (Ge) *Wien. Tierarztl. Monatsschr.* 52(7):707-710. Ref. July 1965. 41.8 T345
English summary.
- 46993 GUILHON, J. Transmission of *Angiostrongylus cantonensis* Chen, 1935 to dog. (Fr) *Acad. Sci. Compt. Rend.* 261(4):1089-1091. Ref. July 26, 1965. 505 P21
By rats.
- 46994 HART, B. L., and KITCHELL, R. L. Penile erection and contraction of penile muscles in the spinal and intact dog. *Amer. J. Physiol.* 210(2):257-262. Ref. Feb. 1966. 447.8 Am3
- 46995 HATCH, R. C. The effect of glucose, sodium lactate, and epinephrine on thiopental anesthesia in dogs. *Amer. Vet. Med. Ass. J.* 148(2):135-140. Ref. Jan. 15, 1966. 41.8 Am3
- 46996 HOFMEYER, C. F. B. Excision arthroplasty for canine hip lesions. *Mod. Vet. Pract.* 47(2):56-58. Feb. 1966. 41.8 N812
- 46997 HORVATH, GY. The parturition of dogs and its characteristics. (Hu) *Elovilag* 10(2):122-126. 1965. 410 EL6
- 46998 HORVATH, Z., and others. On feline rhinotracheitis. *Acta Vet. [Budapest]* 15(4):415-420. 1965. 41.8 Ac83
A. Bartha, L. Papp, and M. Juhasz, joint authors.
- 46999 HUMMEL, P. The occurrence of atypical mycobacteria in the dog and cat. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 13(1):51-61. Ref. Feb. 1966. 41.8 Z52
English summary.
Includes bovine and avian types of tubercle bacteria.
- 47000 JACQUIER, C. Extra uterine fibroma and urination troubles in a dog. (Fr) *Schweiz. Arch. Tierheilk.* 107(11):631-634. Nov. 1965. 41.8 Sch9
English summary.
- 47001 JASTRZEBSKI, T., and WAWRZKIEWICZ, J. The results of serological investigations of dogs in Poland for Rubarth's disease. (Pol) *Med. Weter.* 21(10):581-584. Ref. Oct. 1965. 41.8 M463
English summary.
- 47002 KOUTZ, F. R. Demodex folliculorum studies. X. Spontaneous recovery of demodectic mange dogs. *Speculum* 19(1):32-35. Fall 1965. 41.8 Sp3
- 47003 LETTOW, E. Castration in prostate hypertrophy in dogs. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(5):86-91. Ref. Mar. 1, 1966. 41.8 B45
English summary.
- 47004 LINDE, N. N. Treatment of pyometra with a yeast extract. *Mod. Vet. Pract.* 47(2):79. Feb. 1966. 41.8 N812
Dogs.
- 47005 LO, J. P., SVEHAG, S. E., and GORHAM, J. R. Sensitivity and error limits of two tests for distemper virus neutralizing antibody: a conventional neutralization test and the "single dilution-probit test." *Acta Vet. Scand.* 6(4):341-352. Ref. 1965. 41.8 Ac87
- 47006 LO, J. P., SVEHAG, S. E., and GORHAM, J. R. Thermostability of distemper virus and its neutralization by antibody. *Acta Vet. Scand.* 6(4):329-340. Ref. 1965. 41.8 Ac87
- 47007 MAEKAWA, H. Results of application of canine distemper-hepatitis mixed vaccine. (Ja) *Jap. Vet. Med. Ass. J.* 18(7):15-16. 1965. 41.9 J275
- 47008 MAZZOTTI, L., DAVALOS, A., and MARANON, R. M. Natural and experimental infections of *Cysticercus cellulosae* in different species of mammals. (Sp) *Mex. Inst. Salubridad Enferm. Trop. Rev.* 25(2):151-162. Ref. July/Dec. 1965. 449.9 M572
English summary.
Includes dogs and cats.
- 47009 MAZZOTTI, L. The use of tetrachloroethylene in large doses in canine uncinariosis. (Sp) *Mex. Inst. Salubridad Enferm. Trop. Rev.* 25(2):182. July/Dec. 1965. 449.9 M572
- 47010 MCGRATH, J. T. Spinal dysraphism in the dog; with comments on syringomyelia. *Pathol. Vet.* 2(sup.), 36 p. Ref. 1965. 41.8 P27
A syndrome in Weimeraner dogs, believed to be congenital.
- 47011 MEBUS, C. A., and COLES, E. H. Measles—canine distemper relationship, the effect of measles viruses and their influence on subsequent challenge with Snyder Hill distemper virus. *Cornell Vet.* 56(1):85-103. Jan. 1966. 41.8 C81
- 47012 MEINCKE, J. E. Reticuloendothelial malignancies, with intraocular involvement in the cat. *Amer. Vet. Med. Ass. J.* 148(2):157-161. Ref. Jan. 15, 1966. 41.8 Am3
- 47013 MODERN VETERINARY PRACTICE. Our panel reports—how often do you see pyothorax in dogs and cats in your practice? How do you treat affected animals and with what success? *Mod. Vet. Pract.* 47(2):60, 62, 64. Feb. 1966. 41.8 N812
- 47014 MODRZEJEWSKI, E. Premedication with doxylant and atropine in dogs (changes in the gas composition of blood). (Pol) *Med. Weter.* 21(6):356-359. Ref. June 1965. 41.8 M463
English summary.
- 47015 MOLDOVANU, G., FRIEDMAN, M. D., and MILLER, D. G. Treatment of canine malignant lymphoma with surgery and chemotherapy. *Amer. Vet. Med. Ass. J.* 148(2):153-156. Jan. 15, 1966. 41.8 Am3
- 47016 MOLLARET, H. H. Infection with *Malassez* and *Vignal's* bacillus in the cat. II. Experimental infection. (Fr) *Rec. Med. Vet.* 141(12):1187-1201. Ref. Dec. 1965. 41.8 R24
English summary.
Pasteurella pseudotuberculosis.
- 47017 MORKIN, E., and others. Pattern of blood flow in the pulmonary veins of the dog. *J. Appl. Physiol.* 20(6):1118-1128. Ref. Nov. 1965. 447.8 J825
J. A. Collins, H. S. Goldman, and A. P. Fishman, joint authors.
- 47018 NEMO, G. J., and CUTCHINS, E. C. Effect of visible light on canine distemper virus. *J. Bacteriol.* 91(2):798-802. Ref. Feb. 1966. 448.3 J82
- 47019 OHSHIMA, K. I., and MIURA, S. Mast-cell leukemia in cats—a report of two cases. *Jap. J. Vet. Sci.* 27(4):233-238. Ref. Aug. 1965. 41.8 J27
- 47020 PAYNE, L. N., and others. Contamination of egg-adapted canine distemper vaccine by avian leukosis virus. *Vet. Rec.* 78(2):45-49. Ref. Jan. 8, 1966. 41.8 V641
P. M. Biggs, R. C. Chubb, and R. S. T. Bowden, joint authors.
- 47021 PEREZ-CRUET, J. Blood-pressure and heart-rate changes in dogs during hypothalamic self-stimulation. *J. Compar Physiol. Psychol.* 60(3):373-381. Ref. Dec. 1965. 410 J822

- 47022 PRYDIE, J. Distemper tissue culture vaccines and immunogenicity. *Vet. Rec.* 77(49):1494-1495. Dec.4,1965. 41.8 V641
Tested on dogs.
- 47023 REDDING, R. W., PRYNN, R. B., and WAGNER, J. L. Clinical use of the electroencephalogram in canine encephalitis. *Amer. Vet. Med. Ass. J.* 148(2):141-149. Jan.15,1966. 41.8 Am3
- 47024 RICHARDSON, J. H. Splenic hematoma in a dog. *M. S. (Mich. State) Univ. Vet.* 26(1):37-38. Fall 1965. 41.8 M582
- 47025 RICKARDS, D. A. A new treatment for canine melanosis. *Mod. Vet. Pract.* 47(1):38-39,42. Ref. Jan.1966. 41.8 N812
Use of Melacort.
- 47026 ROBBINS, G. R. Unilateral renal agenesis in the Beagle. *Vet. Rec.* 77(46):1345-1347. Ref. Nov.13,1965. 41.8 V641
- 47027 RUBIN, L. F. Preretinal arteriolar loops in the dog. *Amer. Vet. Med. Ass. J.* 148(2):150-152. Jan.15,1966. 41.8 Am3
- 47028 SAWADA, M. Pathological studies on canine distemper. I. (Ja) *Jap. J. Vet. Sci.* 27(2):121-132. Ref. Apr.1965. 41.8 J27
English summary.
- 47029 SCHAEFER, J. K., and SWEENEY, J. D. Mesulfin as treatment for urinary tract infections. *Mod. Vet. Pract.* 47(2):80. Feb.1966. 41.8 N812
Dogs and cats.
- 47030 SCHWARTZ-PORSCHKE, D., and SAAR, C. Panmyelophthisis in dogs. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(4):69-73. Ref. Feb.15,1966. 41.8 B45
English summary.
- 47031 SCHWARTZMAN, R. M. How to recognize and manage canine skin diseases of endocrine origin. *Mod. Vet. Pract.* 47(2):47-49,52. Feb. 1966. 41.8 N812
- 47032 SEXENA, O. P. Ligature of fallopian tubes (Salpingectomy) in bitches. *Indian Vet. J.* 43 (1):83-84. Jan.1966. 41.8 In2
- 47033 SHIBATA, K. Chromosome studies on the domestic mammals. I. Karyotype on the domestic cat (*Felis domestica*). *J. Agr. Sci. [Setagaya]* 10(3):71-74. Ref. Dec.1964. 22.5 J824
- 47034 SMYTHE, R. H. Pyloric stenosis in the dog. *Vet. Rec.* 78(4):148-149. Jan.22,1966. 41.8 V641
- 47035 STADER, R. M. Treatment of diabetes insipidus with posterior pituitary powder. *Mod. Vet. Pract.* 47(1):50. Jan.1966. 41.8 N812
Dogs.
- 47036 SVASTICS, D., and SZEKELY, H. Extrauterine pregnancy of a cat. (Ge) *Wien. Tierarztl. Monatsschr.* 52(8):788-792. Aug.1965. 41.8 T345
English summary.
- 47037 SZCZUDLOWSKA, M. Cyst of the glandulae of the third eyelid in dog. (Pol) *Med. Weter.* 21 (8):463-464. Aug.1965. 41.8 M463
- 47038 SZINAK, J. The malformation of dog teeth. (Hu) *Elovilag* 10(3):187-189. 1965. 41.0 EL6
- 47039 VERSTRAETE, A., STOCK, J. VAN DER, and SCHEPPER, J. DE. Thallium intoxication of small livestock. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(3):124-130. Ref. Mar.1965. 41.8 V84
English summary.
Dogs and cats.
- 47040 VYMETAL, F. Case reports: renal aplasia in Beagles. *Vet. Rec.* 77(46):1344-1345. Nov.13, 1965. 41.8 V641
- 47041 WALSH, N. H., and QUIGLEY, P. J. Pyloric stenosis in the dog caused by hypertrophy of the circular muscle of the pylorus. *Vet. Rec.* 78(1):13-15. Jan.1,1966. 41.8 V641
- 47042 WAWRZKIEWICZ, J., and JASTRZEBSKI, T. Hepatitis infectiosa canum. (Pol) *Med. Weter.* 21(6):339-343. Ref. June 1965. 41.8 M463
Review of literature.
- 47043 WISENBAUGH, P. E., BOGATY, G. V., and HILL, R. W. Deoxycorticosterone acetate hypertension in dogs. *Lab. Invest.* 14(12):2140-2149. Ref. Dec.1965. 44.8 L11
- 47044 YAMADA, K. Fundamental studies on the quantitative analysis of free amino acids in serum of canine filariasis. II. (Ja) *Jap. J. Vet. Sci.* 27(2):105-120. Ref. Apr.1965. 41.8 J27
English summary.
- 47045 ZAJER, J., and others. Experimental comparison of amputation experiments on dogs. (Ge) *Acta Vet. [Budapest]* 15(4):375-394. Ref. 1965. 41.8 Ac83
S. Dubecz, F. Fellner, and K. Somogyvari, joint authors.

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 47046 AHMAN, G. Is the mating receptiveness of female minks a measure of their propagation ability? (Sw) *Vara Palsdjur* 37(2):52,55-58. Feb.15,1966. 41.0 V42
- 47047 DIETZ, G. Recommendations concerning the improvement of the quality and production in chinchilla breeding. (Ge) *Deut. Pelztierzuchter* 39(12):227-229. Dec.1,1965. 412.628 D48
- 47048 JOHANSSON, I. The problem of barren females. (Sw) *Vara Palsdjur* 37(2):50-51. Feb.15,1966. 41.0 V42
Mink.
- 47049 RODT, P. A refresher in genetics before the mating season. (No) *Norsk Pelsdyrbl.* 40(4):131-134. Feb.20,1966. 412.628 N812
Minks.
- 47050 SANNE, S., and AHMAN, G. Fat as well as very thin minks bear few kits. (Sw) *Vara Palsdjur* 37(2):63-66,69. Feb.15,1966. 41.0 V42
- 47051 SCHEELJE, R. Education concerning mink breeding. (Ge) *Deut. Pelztierzuchter* 39(12):225-226. Dec.1,1965. 412.628 D48
- 47052 TRAVIS, H. F., and BENNETT, L. W. Effects of artificially increased length of days upon the reproductive performance of mink. *Nat. Fur News* 38(1):14-15. Feb.1966. 412.628 R59
- 47053 VENGE, O. Breeding and breeding methods. (Da) *Dansk Pelsdyravl* 29(2):66-67,60. Feb.20, 1966. 412.628 D23
Mink.

Feeds and Feeding

- 47054 ADAIR, J., STOUT, F. M., and OLDFIELD, J. E. Mink nutrition research, 1965 progress report. *Oreg. Agr. Exp. Sta. Spec. Rep.* 207, 31 p. Feb.1966. 100 Or3M
Includes linear programming.
- 47055 JORGENSEN, G. Experiments with increasing amounts of dried feed. (Da) *Dansk Pelsdyravl* 29(2):88-91. Feb.20,1966. 412.628 D23
Mink kit feeding.
- 47056 LEOSCHKE, W. L. Why calorie-protein ratios are important. *U. S. Fur Rancher* 45(2):12. Mar.1966. 412.629 Am3M
In mink nutrition.
- 47057 RIMESLATTEN, H. On cooperative kitchens, anemia, etc. (No) *Norsk Pelsdyrbl.* 40(4):140-142. Feb.20,1966. 412.628 N812
Chiefly on the relation of feeding to anemia of minks.
- 47058 STOUT, F. M., ADAIR, J., and OLDFIELD, J. E. Turkey waste greying; an answer. *Nat. Fur News* 38(2):13-14,19. Mar.1966. 412.628 R59
In connection with the fur color of minks.
- 47059 STOUT, F. M., ADAIR, J., and OLDFIELD, J. E. Use of turkey waste in mink feeding. *Nat. Fur News* 38(2):12,20. Mar.1966. 412.628 R59

Veterinary Medicine

- 47060 FISCHER, K. Canine infectious hepatitis (Rubarth) in a fox. (Ge) Schweiz. Arch. Tierheilk. 107(11):615-618. Ref. Nov.1965. 41.8 Sch9 English summary.
- 47061 GORHAM, J. Mink diseases: malignant edema in mink. Nat. Fur News 38(1):18. Feb.1966. 412.628 R59
- 47062 HARANG, L. Anthelmintics for fox. (No) Norsk Pelsdyrbl. 39(23):560-561. Dec.5,1965. 412.628 N812
- 47063 KIRK, R. J. Aleutian disease; mink rancher's no. 1 problem. Nat. Fur News 38(2):9. Mar. 1966. 412.628 R59
- 47064 MILIC, D., and others. A contribution to the study of the normal blood composition of minks. (Se) Vetserum 13(7/8):315-316. 1965. 41.8 V6459
A. Petrovic, B. Silobad, and Z. Calic, joint authors.
- 47065 MILIC, D., PETROVIC, A., and RAJIC, I. Deficiency of proteins in the normal serum of minks. (Se) Vetserum 13(7/8):317-318. 1965. 41.8 V6459
- 47066 RUTKOWSKI, A., CHUDY, J., and BATURA, J. The fats of fur-bearing animals. III. (Pol) Med. Weter. 21(7):400-403. July 1965. 41.8 M463
English summary.
Includes minks.
- 47067 STAELENS, M., DEVOS, A., and VIAENE, N. Plasmocytosis (Aleutian disease) of mink. (Fl) Vlaams Diergeneesk. Tijdschr. 34(4):184-195. Ref. Apr.1965. 41.8 V84
English summary.
- 47068 STEFFEN, J. Urinary calculi in minks in the light of our observations. (Pol) Med. Weter. 21(8):461-463. Aug.1965. 41.8 M463
- 47069 WATSON, W. A., and WATSON, F. I. An outbreak of Salmonella dublin infection in chinchillas. Vet. Rec. 78(1):15-17. Jan.1,1966. 41.8 V641

Miscellaneous

- 47070 HARANG, L. Sanitation and disinfection of the mink farm. (No) Norsk Pelsdyrbl. 40(2):19-23. Jan.20,1966. 412.628 N812
- 47071 ROSIANU, F., and BOIERU, L. Acclimatization and rearing of minks in our country. (Rum) Rev. Zooteh. Med. Vet. 15(11):31-33. Nov.1965. 49 P943
- 47072 SJOELLANDS PELSDYRAVLERFORENING. Report on home judging, 1965. (Da) Dansk Pelsdyravl 29(2):92,95-98. Feb.20,1966. 412.628 D23
Mink.
- 47073 TANDBERG, O. V. Current problems in Norwegian fur farming industry. (No) Norsk Pelsdyrbl. 40(3):107-110. Feb.5,1966. 412.628 N812

HORSES AND MULESBreeds and Breeding

- 47074 BAIN, A. M. The role of infection in infertility in the Thoroughbred mare. Vet. Rec. 78(5):168-175. Ref. Jan.29,1966. 41.8 V641
Includes discussion.
- 47075 CHOHLIS, J. Will Quarter racing boom or bust? West. Livestock J. [Denver] 44(15):60-63. Feb.1966. 49 W525
- 47076 DUFF, E. M., and DUFF, L. G. Purebred Arabian horse yearbook, 1965, volume XIII; a picture record of ribbon winners of forty-seven all-Arabian horse shows and twenty-one "A" shows in 1965. Seal Beach, Calif., 1966. 383 p. 42.8 P97
- 47077 SCHILKE. The status of Trakehnen horse breeding in the Federal Republic. (Ge) Tierzuchter 18(5):155. Mar.5,1966. 49 T445

- 47078 SCHMID, D. O., and MANCIC, D. Blood group studies on the Bosnian Mountain horse. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):75-77. Jan.1966. 41.8 Z5
English summary.
- 47079 WHEAT, J. D. Penile paralysis in stallions given propiopromazine. Amer. Vet. Med. Ass. J. 148(4):405-406. Feb.15,1966. 41.8 Am3

Feeds and Feeding

- 47080 KONDRATOWICZ, M. The effect of the level of proteins and the addition of mineral mixture in the feed of serum producing horses. (Pol) Med. Weter. 21(7):395-397. July 1965. 41.8 M463
- 47081 SETZLER, R. D. All pelleted ration for horses. Wash. Anim. Nutr. Conf. Proc., 18th Conf:10-11. 1965. 389.79 W94
- 47082 TANHUANPAA, E., and KNUDSEN, O. Component acids of mare's milk fat. Acta Vet. Scand. 6(4):313-317. 1965. 41.8 Ac87
Effects of feeding.

Veterinary Medicine

- 47083 ADAMS, O. R. Chip fractures of the first phalanx in the metacarpophalangeal (fetlock) joint. Amer. Vet. Med. Ass. J. 148(4):360-363. Feb.15,1966. 41.8 Am3
Horses.
- 47084 AGRIMI, P. Isolation of Shigella flexneri 1b from the viscera of a mule. (It) Zooprofilassi 20(10):541-549. Ref. Oct.1965. 41.8 Z72
English summary, p.575.
In a case of enteritis.
- 47085 AMERICAN ASSOCIATION OF EQUINE PRACTITIONERS. Selected abstracts from 11th annual meeting. Amer. Vet. Med. Ass. J. 148(4):461-467. Feb.15,1966. 41.8 Am3
- 47086 AMERICAN ASSOCIATION OF EQUINE PRACTITIONERS. ORTHOPEDIC RESEARCH COMMITTEE. Repairable fractures in horses. Amer. Vet. Med. Ass. J. 148(4):435-438. Feb.15,1966. 41.8 Am3
- 47087 BELONJE, C. W. A. Diagnosis of pregnancy in mares. S. Afr. Vet. Med. Ass. J. 36(3):403-405. Sept.1965. 41.8 So8
- 47088 BRYANS, J. T., and others. Immunization for equine influenza. Amer. Vet. Med. Ass. J. 148(4):413-417. Feb.15,1966. 41.8 Am3
E. R. Doll, J. C. Wilson, and W. H. McCollum, joint authors.
- 47089 BURKI, F. Characteristics of the equine arteritis virus. (Ge) Pathol. Microbiol. 28(6):939-949. Ref. 1965. 448.8 Sch9
English summary.
- 47090 COOPER, C. D. Selenium-tocopherol therapy in horses. Mod. Vet. Pract. 47(2):79-80. Feb. 1966. 41.8 N812
- 47091 CROSS, R. S. N. Equine periodic ophthalmia. Vet. Rec. 78(1):8-13. Ref. Jan.1,1966. 41.8 V641
- 47092 DOBY, P. B., and others. Western encephalitis in Illinois horses and ponies. Amer. Vet. Med. Ass. J. 148(4):422-427. Feb.15,1966. 41.8 Am3
P. R. Schnurrenberger, R. J. Martin, L. E. Hanson, G. W. Sherrick, and W. K. Schoenholz, joint authors.
- 47093 DRUDGE, J. H., and LYONS, E. T. Control of internal parasites of the horse. Amer. Vet. Med. Ass. J. 148(4):378-383. Feb.15,1966. 41.8 Am3
- 47094 DUNGWORTH, D. L., and FOWLER, M. E. Cerebellar hypoplasia and degeneration in a foal. Cornell Vet. 56(1):17-24. Ref. Jan.1966. 41.8 C81
- 47095 EBELHARE, J. S., SAURINO, V. R., and TEIGLAND, M. B. Influence of time and temperature on the Thoroughbred blood specimen. Amer. Vet. Med. Ass. J. 148(4):391-394. Feb.15,1966. 41.8 Am3

- 47096 EVANS, L. H., JENNY, J., and RAKER, C. W. The repair of hoof cracks with acrylic. *Amer. Vet. Med. Ass. J.* 148(4):355-359. Feb.15,1966. 41.8 Am3
Horses.
- 47097 FESSLER, J. F. Prophylaxis of tetanus in horses. *Amer. Vet. Med. Ass. J.* 148(4):399-404. Feb.15,1966. 41.8 Am3
- 47098 GERBER, H. Determination of activity of serum enzymes in veterinary medicine. III. Determination of LDH (lactic dehydrogenase), MDH (malic dehydrogenase), SHD (sorbitol dehydrogenase), GEDH (glutamic dehydrogenase), ALD (diphospho-fructoaldolase), and alfa-amylase activity in some organs of horse as basis for clinical interpretation of serum enzyme activity determinations. (Ge) *Schweiz. Arch. Tierheilk.* 107(11):626-631. Nov.1965. 41.8 Sch9
English summary.
- 47099 GERBER, H. Determination of serum enzyme activity in veterinary medicine. III. Serum-enzyme pattern in paralytic myoglobinemia of horse. (Ge) *Schweiz. Arch. Tierheilk.* 107(12):685-697. Ref. Dec.1965. 41.8 Sch9
English summary.
- 47100 HAYNES, N. B. Horse health hints. *Cornell Univ. Ext. Cornell Ext. Bull.* 1153,20 p. Nov. 1965. 275.29 N48E
Care and common disorders.
- 47101 HEINZE, C. D. Methods of equine castration. *Amer. Vet. Med. Ass. J.* 148(4):428-432. Feb.15,1966. 41.8 Am3
- 47102 HERTZ-LUKANSKA, F. The activity of alpha-amylase in the blood of horses. (Pol) *Med. Weter.* 21(10):605-607. Oct.1965. 41.8 M463
English summary.
- 47103 HOARE, C. A. Vampire bats as vectors and hosts of equine and bovine trypanosomes. *Acta Trop.* 22(3):204-216. Ref. 1965. 475 Ac8
Trypanosoma equinum and *T. hippicum* in Central and South America.
- 47104 KENNINGTON, G. S., and CHING, C. F. T. Activation analysis of ungulate hair. *Science* 151(3714):1085-1086. Feb.1966. 470 C16C
Includes horses.
- 47105 KNOWLES, R. C., and others. Equine piroplasmiasis. *Amer. Vet. Med. Ass. J.* 148(4):407-410. Feb.15,1966. 41.8 Am3
R. M. Mathis, J. E. Bryant, and K. H. Willers, joint authors.
- 47106 KRAHMER, R. Comparative measurement of the skeleton of horses. II. Measurement of the skull. (Ge) *Wien. Tierarztl. Monatsschr.* 52(10):895-905. Ref. Oct.1965. 41.8 T345
English summary.
- 47107 LEWANDOWSKI, M. Subluxation of both carpal joints of unknown etiology in a horse. (Pol) *Med. Weter.* 21(7):419-421. July 1965. 41.8 M463
- 47108 LINGARD, D. R. Strain of the superior check ligament of the horse. *Amer. Vet. Med. Ass. J.* 148(4):364-366. Feb.15,1966. 41.8 Am3
- 47109 LÖWE, J. E. Intussusception of the ileum in a horse—a case report. *Cornell Vet.* 56(1):51-53. Jan.1966. 41.8 C81
- 47110 LOY, R. G., and HUGHES, J. P. The effects of human chorionic gonadotrophin on ovulation, length of estrus, and fertility in the mare. *Cornell Vet.* 56(1):41-50. Ref. Jan.1966. 41.8 C81
- 47111 MCCARTHY, C., and PENNINGTON, G. W. A preliminary study of the immunoelectrophoretic properties of pregnant mares serum (PMS) together with its application to the diagnosis of pregnancy in the mare. *Experientia* 22(1):33-35. Ref. Jan.15,1966. 475 Ex7
- 47112 MEDINA, G., GLEISER, C. A., and MACKENZIE, R. B. Equine encephalomyelitis in the Republic of Panama. (Sp) *Ofic. Sanit. Panam. Bol.* 58(5):390-394, map. May 1965. 449.9 P192B
English summary.
Includes mortality of horses.
- 47113 METTLER, F. A., and SMITH, H. M. S. Administration of the antimetabolite 6AN (6-aminonicotinamide) to horses. *Cornell Vet.* 56(1):123-128. Jan.1966. 41.8 C81
Study of changes in the nervous system.
- 47114 MIRCHAMSY, H., and TASLIMI, H. The formation of plaques by African horse sickness viruses and factors affecting plaque size. *Can. J. Comp. Med. Vet. Sci.* 30(2):47-51. Ref. Feb.1966. 41.8 C162
- 47115 MODERN VETERINARY PRACTICE. Our panel reports—What general anesthetics, preanesthetics and/or tranquilizers do you use for horses? Have you observed any undesirable side effects from these or other such agents? *Mod. Vet. Pract.* 47(1):46-48. Jan.1966. 41.8 N812
- 47116 MONTEVERDE, J. J., and MAZZEO, L. S. DE. Infections of the equine fetus due to *Staphylococcus aureus*. (Sp) *Rev. Med. Vet.* [Buenos Aires] 46(4):283-287. July/Aug.1965. 41.8 B86
English summary.
- 47117 OLSON, N. E. Acute diarrheal disease in the horse. *Amer. Vet. Med. Ass. J.* 148(4):418-421. Feb.15,1966. 41.8 Am3
- 47118 PADHYE, A. A., and others. Trichophyton equinum infection on horses in India. *Hindustan Antibiot. Bull.* 7(4):217-218. May 1965. 396.8 H58
C. V. Radhakrishnan, P. W. Rahalkar, A. P. Wagle, and M. J. Thirumalachar, joint authors.
- 47119 PAGE, E. H. Tail setting in Saddlebred horses. *Amer. Vet. Med. Ass. J.* 148(4):395-398. Feb.15,1966. 41.8 Am3
Surgery on the American Saddle Horse.
- 47120 PERRAUD, J. L'oreille interne des equides domestiques; etude anatomique [The internal ear of domestic Equidae; an anatomical study]. *Lyon. Ecole Nat. Vet. These* 17,144 p. Ref. 1965. 41.2 L99
- 47121 PROKOPOW, C. A case of death of stallion before castration. (Pol) *Med. Weter.* 21(8):498. Aug.1965. 41.8 M463
- 47122 PROST, J. A case of operative treatment of blockage of the large colon in a horse. (Pol) *Med. Weter.* 21(7):423. July 1965. 41.8 M463
- 47123 ROONEY, J. R. Corynebacterial infections in foals. *Mod. Vet. Pract.* 47(1):43-45. Jan. 1966. 41.8 N812
Corynebacterium equi causing abscesses in the lungs.
- 47124 SCHEPPER, J. DE, and PAREDIS, F. A comparison of anthelmintics for horses. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(3):100-111. Ref. Mar.1965. 41.8 V84
English summary.
- 47125 SIMIONESCU, C. The history of veterinary medicine in Rumania: the introduction of mallein as a means of diagnosis of glanders in our country. (Rum) *Rev. Zooteh. Med. Vet.* 15(11):75-80. Ref. Nov.1965. 49 P943
- 47126 SIPPEL, W. Current status of equine infectious anemia. *Amer. Vet. Med. Ass. J.* 148(4):411-412. Feb.15,1966. 41.8 Am3
- 47127 SKORKOWSKI, E. Is it a serological conflict? (Pol) *Med. Weter.* 21(8):497. Aug.1965. 41.8 M463
In relation to abortion in horse.
- 47128 STARKA, L., BREUER, J., and BREUER, H. Biogenesis of oestrogens in the placenta of the horse. (Ge) *Naturwissenschaften* 52(19):540-541. Oct.1,1965. 474 N213
- 47129 TASKER, J. B. Fluid and electrolyte studies in the horse. I.-II. *Cornell Vet.* 56(1):67-84. Ref. Jan.1966. 41.8 C81
Blood studies and equipment for urine and feces collection.
- 47130 TASKER, J. B. Laboratory aids to diagnosis in equine practice. *Amer. Vet. Med. Ass. J.* 148(4):384-390. Ref. Feb.15,1966. 41.8 Am3

- 47131 TOP, W., and PAREDIS, F. Oxyurus equi and its control. (Fl) Vlaams Diergeneesk. Tijdschr. 34(5):221-228. Ref. May 1965. 41.8 V84
English summary.
Pinworms of horses.
- 47132 VAN PELT, R. W. Arthrocentesis and injection of the equine tarsus. Amer. Vet. Med. Ass. J. 148(4):367-377. Ref. Feb.15,1966. 41.8 Am3
- 47133 WAGENAAR, G. Icterus in the horse and the cow. (Du) Tijdschr. Diergeneesk. 91(1):21-33. Jan.1,1966. 41.8 T431
English summary.
Includes discussion.
- 47134 WATSON, D. F., and MCINNIS, G. A. Polyvinyl foam for repair of hernia in a foal. Amer. Vet. Med. Ass. J. 148(4):410. Feb.15,1966. 41.8 Am3
Inguinal hernia.
- 47135 ZWIERZ, J., and others. Investigations on leptospirosis in a focus of epidemic infection of horses. (Pol) Med. Weter. 21(6):346-348. June 1965. 41.8 M463
K. Karmanska, D. Konarska, and R. Wlozczewski, joint authors.
English summary.
Leptospira grippotyphosa isolated.
- 47136 ZWIERZ, J., KARMANSKA, K., and KONARSKA, D. Serological investigations of horse serums for leptospirosis. (Pol) Med. Weter. 21(8):465-467. Ref. Aug.1965. 41.8 M463
- 47137 ZWOLINSKI, J., and STUDZINSKI, S. The time of day at which mares foal. (Pol) Med. Weter. 21(10):614-616. Oct.1965. 41.8 M463
English summary.

Miscellaneous

- 47138 AUBLET. Does the saddle horse have a place on the farm? (Fr) Rev. Elevage 21(1):79-80. Jan.1966. 49 B462
- 47139 GRAZIANI, V. B. Saint Eligius, patron of horses and veterinarians. (It) Inform. Zootec. 12(15/16):527-530. Aug.15/31,1965. 49 In3
- 47140 SELF, M. C. The horseman's almanac and handbook. New York, Watts, 1965. 235 p. SF285.S4

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 47141 HOYLAND, F. Further observations on the build-up of a large guinea-pig colony (1964). Anim. Tech. Inst. J. 16(3):59-65. Sept.1965. 410.9 An5
- 47142 LAMBERT, C. R., SINARI, V. S. P., and TRIPOD, J. Effects of CIBA 32,644-Ba on spermatogenesis in laboratory animals: preliminary communication. Acta Trop. 22(2):155-161. Ref. 1965. 475 Ac8
Therapeutic agent for schistosomiasis.
- 47143 STRASSER, H. Standardization of breeding and keeping experimental animals. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(5):91-96. Ref. Mar.1,1966. 41.8 B45
English summary.

Feeds and Feeding

- 47144 GUNTHER, K. An experimental study on the interdependence of vitamin D and magnesium. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):26-41. Jan.1966. 41.8 Z5
English summary.
Rats.
- 47145 GUNTHER, K. Nutritional studies on the effects of magnesium on utilisation of calcium and phosphorus. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(1):1-25. Ref. Jan.1966. 41.8 Z5
English summary.
Studied on rats.

- 47146 IWATA, I., and NARIKAWA, I. Studies on the utilization of Chlorella. 1. Organic acid extracts of Chlorella. (Ja) Jap. Soc. Food Nutr. J. 18(5):20-24. 1966. 389.9 J27
English summary.
Nutritive value as feed for rats.

Veterinary Medicine

- 47147 BAER, G. M., SHANTHAVEERAPPA, T. R., and BOURNE, G. H. Studies on the pathogenesis of fixed rabies virus in rats. World Health Organ. Bull. 33(6):783-794. Ref. 1965. 449.9 W892B
- 47148 BAUER, K., and WITTMANN, G. The reaction of plaque-purified and non-purified foot-and-mouth disease strains of sub-types O₁, and O₃ and the corresponding immune sera in cross-neutralisation tests. (Ge) Zentralbl. Veterinarmed. Reihe B, 13(1):25-30. Ref. Feb.1966. 41.8 Z52
English summary.
Guinea pigs.
- 47149 BERGNER, H. Measurement of the ¹³¹I-up-take of rat thyroid glands with simultaneous presence of a beta-irradiator. (Ge) Arch. Tierernahr. 15(6):389-397. Dec.1965. 389.78 Ar22
English summary.
- 47150 BOULTER, D., DOUGLAS, H. W., and LAYCOCK, M. V. The micro-electrophoretic behaviour of nuclei and mitochondria of rat liver and wheat embryos. New Phytol. 64(3):443-450. Ref. Oct.1965. 450 N42
- 47151 BRING, S. V. Effect of estradiol benzoate on cholesterol and vitamin A metabolism. Soc. Exp. Biol. Med. Proc. 120(1):45-48. Ref. Oct. 1965. 442.9 Sol
Rats.
- 47152 CHEREMISINOV, G. A. Histofunctional changes in ovaries and thyroid glands of guinea pigs after injection of PMS [pregnant mare's serum] and PMB [pregnant mare's blood]. (Rus) Veterinariya 1:66-72. Jan.1966. 41.8 V6426
- 47153 CHILD, K. J., and DODDS, M. G. Mechanism of urinary excretion of cephaloridine and its effects on renal function in animals. Brit. J. Pharmacol. Chemotherap. 26(1):108-119. Ref. Jan.1966. 396.8 B77
Laboratory animals.
- 47154 CUTTING, W., and others. Antiviral activity of herbs on Columbia SK in mice, and the LCM, vaccinia and adeno type 12 viruses in vitro. Soc. Exp. Biol. Med. Proc. 120(2):330-333. Nov.1965. 442.9 Sol
E. Furusawa, S. Furusawa, and Y. K. Woo, joint authors.
- 47155 CZYBA, J. C. Comparative effects of alpha tocopherol, estradiol and progesterone on the female genital tract of the golden hamster. (Fr) Acad. Sci. Compt. Rend. 261(2):536-539. July 12,1965. 505 P21
- 47156 DOKOUPIL, S., and KAZDA, J. The effect of different doses of isonicotinic acid hydrazide on the development of the process of tuberculosis in guinea pigs infected experimentally with Mycobacterium bovis. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:21-31. Ref. 1965. 41.9 B833
English summary.
- 47157 EDER, H. Haematological changes in acute radiation syndrome; quantitative and qualitative effects on total body irradiation on lymphocytes in the intestinal lymph on the rat. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):575-579. Ref. Dec.1965. 41.8 Z52
English summary.
- 47158 ELGHAMRY, M. I., and SOLIMAN, M. K. Biological activity of phytoestrogens. II. The effect of beta-sitosterol on the blood picture of immature female mice. Z. Naturforsch. 20b (8):817-818. Ref. Aug.1965. 474 Z3

- 47159 FOLMAN, Y., and POPE, G. S. The interaction in the immature mouse of potent oestrogens with coumestrol, genistein and other utero-vaginitrophic compounds of low potency. *J. Endocrinol.* 34(2):215-225. Ref. Feb.1966. 448.8 J8293
- 47160 FUJIKURA, T. Studies on the lethal susceptibility of laboratory mice to *Leptospira icterohaemorrhagiae*. *Jap. J. Vet. Sci.* 27(5):283-297. Oct.1965. 41.8 J27
- 47161 GAJEWSKA, H. The effect of the weight of the mother on the size of the progeny in guinea pig. (Pol) *Med. Weter.* 21(6):363-365. Ref. June 1965. 41.8 M463
English summary.
- 47162 GALA, R. R., and REECE, R. P. Influence of neurohumors on anterior pituitary lactogen production in vitro. *Soc. Exp. Biol. Med. Proc.* 120(1):220-222. Ref. Oct.1965. 442.9 S01
Studies of rats.
- 47163 GROSSIE, J., HENDRICH, C. E., and TURNER, C. W. Comparative methods for determining biological half-life ($t_{1/2}$) of L-thyroxine in normal, thyroidectomized and methimazole treated female rats. *Soc. Exp. Biol. Med. Proc.* 120(2):413-415. Ref. Nov.1965. 442.9 S01
- 47164 HILLEBRAND, A. Uniform nomenclature for the lobes of lungs and livers of the laboratory animals. (Ge) *Z. Versuchstierkunde* 7(1/3):49-55. 1965. 410 Z36
- 47165 JACOBSSON, S. O., and HANSSON, E. Distribution of selenium in mice studied by whole-body autoradiography after injection of Se^{75} sodium selenite. *Acta Vet. Scand.* 6(4):287-298. Ref. 1965. 41.8 Ac87
- 47166 JOLLY, R. D. Experimental infection of convalescent mice with *Corynebacterium ovis*. *New Zeal. Vet. J.* 13(6):148-153. Ref. Dec. 1965. 41.8 N483
- 47167 JOLLY, R. D. The pathogenesis of experimental *Corynebacterium ovis* infection in mice. *New Zeal. Vet. J.* 13(6):141-147. Ref. Dec. 1965. 41.8 N483
- 47168 KAMYSZEK, F. Fungal infections of the skin in guinea pigs. (Pol) *Med. Weter.* 21(7):418-419. July 1965. 41.8 M463
- 47169 KOOPMANS, S. The veterinarian as a specialist for laboratory animals. History and development. (Du) *Tijdschr. Diergeneesk.* 91(1):34-38. Jan.1,1966. 41.8 T431
English summary.
Discussion, p.43-46.
- 47170 LEAVITT, W. W., and WRIGHT, P. A. The plant estrogen, coumestrol, as an agent affecting hypophysial gonadotropic function. *J. Exp. Zool.* 160(3):319-327. Ref. Dec.1965. 410 J825
In mice.
- 47171 MORRIS, J. A., GAJDUSEK, D. C., and GIBBS, C. J. Spread of scrapie from inoculated to uninoculated mice. *Soc. Exp. Biol. Med. Proc.* 120(1):108-110. Oct.1965. 442.9 S01
- 47172 NELSON, J. B. Pathogenicity of murine hepatitis virus recovered from infant Swiss mice. *Soc. Exp. Biol. Med. Proc.* 120(1):41-44. Oct. 1965. 442.9 S01
- 47173 OGILVIE, B. M. Use of cortisone derivatives to inhibit resistance to *Nippostrongylus brasiliensis* and to study the fate of parasites in resistant hosts [rats]. *Parasitology* 55(4):723-730. Ref. Nov.1965. 448.8 P21
- 47174 PARNAS, J., and DABEK, M. Characteristics of *Brucella* phage isolated from the white mouse. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(6):488-499. Ref. Nov.1965. 41.8 Z52
English summary.
- 47175 PILET, C. On the eventual role of the syringe in the making of brucellic agglutinins in animals, left over from immunization against brucellosis. (Fr) *Rec. Med. Vet.* 141(12):1235-1252. Dec.1965. 41.8 R24
English summary.
Guinea pigs studied.
- 47176 ROTH, L. L., and ROSENBLATT, J. S. Mammary glands of pregnant rats: development stimulated by licking. *Science* 151(3716):1403-1404. Ref. Mar.18,1966. 470 Sci2
- 47177 SATO, G. Infection of *Salmonella pullorum*, *Salmonella newington* or *Salmonella enteritidis* in laboratory rats by oral inoculation. *Jap. J. Vet. Res.* 13(2):19-32. Ref. June 1965. 41.8 V6446
- 47178 SCHMID, A., and ZIPF, K. The action of various chelating agents on the renal excretion of [radioactive] strontium and calcium. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):558-562. Ref. Dec.1965. 41.8 Z52
English summary.
Studied on rat.
Includes discussion.
- 47179 SCHMID, A., ZIPF, K., and GUTSCHOW, K. Behaviour of the total leucocyte count after whole-body irradiation. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):563-566. Dec.1965. 41.8 Z52
English summary.
Studied on rats.
- 47180 SCHMID, A. The influence of biological and other parameters on strontium turnover in the skeleton. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):552-557. Dec.1965. 41.8 Z52
English summary.
Studied on rats and mice.
- 47181 SCHMID, A., and others. Studies on radiation protecting substances. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):571-574. Dec.1965. 41.8 Z52
K. Zipf, K. Gutschow, and R. Schenkel, joint authors.
English summary.
Rutin and Aescin studied on rats.
- 47182 SCHMID, A., ZIPF, K., and GUTSCHOW, K. Studies on so-called radiotoxins. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):567-570. Dec.1965. 41.8 Z52
English summary.
Effects on rats.
- 47183 SERNETZ, M., HACKEL, R., and FRENZEL, D. Demonstration of methylthiouracil (MTU). (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(1):53-58. Jan.1966. 41.8 Z5
English summary.
Includes thyreostatic activity studies on rats.
- 47184 SINHA, Y. N., and TUCKER, H. A. Mammary gland growth of rats between 10 and 100 days of age. *Amer. J. Physiol.* 210(3):601-605. Ref. Mar.1966. 447.8 Am3
- 47185 SMITH, G. R. Infection of small laboratory animals with *Mycoplasma mycoides* var. *capri* and *Mycoplasma mycoides* var. *mycoides*. *Vet. Rec.* 77(50):1527-1528. Dec.11,1965. 41.8 V641
- 47186 STEFANSKI, W., and PRZYJALKOWSKI, Z. Effect of alimentary tract microorganisms on the development of *Trichinella spiralis* in mice. II. *Exp. Parasitol.* 18(1):92-98. Feb. 1966. 436.8 Ex7
- 47187 TRUHAUT, R., GERMAN, A., and SCHUSTER, J. Immunological research in the colchicine series. (Fr) *Acad. Sci. Compt. Rend.* 261(2):602-605. Ref. July 12,1965. 505 P21
In mice.
- 47188 VISEK, W. J., and others. Growth of rats fed bile salts, urea and chlortetracycline. *Soc. Exp. Biol. Med. Proc.* 120(1):48-51. Ref. Oct. 1965. 442.9 S01
H. C. Dang, S. R. Kirby, and G. A. Sperling, joint authors.

Miscellaneous

- 47189 ARTSAY, H. A preliminary study of the habitat preferences of white mice in a laboratory environment. *M. S. (Mich. State) Univ. Vet.* 26(1):32-36. Fall 1965. 41.8 M582
- 47190 NATIONAL laboratory animal centers. *Charles River Dig.* 5(1),4 p. Jan.1966. 442.8 C38
In Europe, Republic of South Africa, and the United States of America.

47191 NEW YORK ACADEMY OF MEDICINE. COMMITTEE ON PUBLIC HEALTH. Report on humane care of laboratory animals. II. N. Y. Acad. Med. Bull. 42(4):312-316. Apr.1966. 448.9 N48

POULTRY

Breeds and Breeding

47192 CRAWFORD, R. D. Comb dimorphism in Wyandotte domestic fowl. I. Sperm competition in relation to rose and single comb alleles. Can. J. Genet. Cytol. 7(3):500-504. Sept.1965. 443.8 C16

47193 DUFF, R. H., and CHALMERS-WATSON, R. Turkey production and disease. I-II. Vet. Rec. 77(52):1579-1592. Dec.25,1965. 41.8 V641
Includes discussion.

47194 ERASMUS, J. E. Selection for 12-week body weight in chickens. (Af) So. Afr. J. Agr. Sci. 8(3):831-837. Sept.1965. 24 Su3
English summary.
White Leghorns.

47195 ERDEI, M. Raising crossbreds of the Cornish and Herminata de Bontida poultry breeds for meat. (Rum) Rev. Zootech. Med. Vet. 15(10):17-25. Oct.1965. 49 P943
English summary.

47196 ESKILT, A. Progeny testing of cocks. (No) Fjorfe 83(1):3,5-7. Jan.1966. 47.8 T432

47197 HARTUNG, R. Some effects of oiling on reproduction of ducks. J. Wildlife Manage. 29(4):872-874. Oct.1965. 410 J827
Effect of oil polluted water on hatchability of eggs; includes domestic ducks.

47198 HEJJA, S. Useful goose breeds from abroad. (Hu) Buvar 10(3):171-173. May/June 1965. 410 B98

47199 KUIT, A. R. Reciprocal crosses of White Leghorn and Rhode Island Red breeds. (Du) Vee-teelt Zuivelber. 8(4):197-202. Ref. Apr.1965. 49 V51
Effects on egg production.

47200 MARKUS, J., FESUS, L., and KOVACS, GY. Genetically determined serum protein polymorphism in the goose. Acta Vet. [Budapest] 15(4):461-463. 1965. 41.8 Ac83

47201 MARTINOVITCH, P. N., PAVLOVIC-HOURNAC, M. R., and MARTINOVITCH, J. V. Inter-breed, intra-breed and autoplasmic chimeras of the domestic fowl. Nature [London] 209(5025):816-817. Feb.19,1966. 472 N21

47202 MERRITT, E. S. Estimates by sex of genetic parameters for body weight and skeletal dimensions in a random bred strain of meat type fowl. Poultry Sci. 45(1):118-125. Ref. Jan. 1966. 47.8 Am33P

47203 MISA, D. From Putten to Monterenzio. (It) Avicoltura 34(7):111-112. July 1965. 47.8 R523
Raising Pekin ducks in Holland and Italy.

47204 NEERGAARD, J. V. Egg laying breeds. (Da) Landbonyt 19(10):374-376. Oct.1965. 11 L2322
Poultry.

47205 SUSAKI, S., and HAMAKAWA, H. Studies on the growth of broiler chicks. I. Comparisons of the growth in 3 breeds and 3 crosses. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):222-233. Ref. Mar.1965. 22.5 M6932B
English summary.

47206 WOMACK, J. C., TINDELL, L. D., and COOK, R. E. Relative intra-and inter-stock aggressiveness and performance in the domestic fowl. Poultry Sci. 45(1):27-30. Ref. Jan.1966. 47.8 Am33P

47207 ZANONI, G. Classification of pigeon breeds. (It) Avicoltura 34(9):121-123. Sept.1965. 47.8 R523

Feeds and Feeding

47208 AGHINA, C. The egg shell and feeding of the hen. (It) Avicoltura 34(6):107-123. Ref. June 1965. 47.8 R523
French summary, p.97.
Especially the calcium and phosphorus in the diet.

47209 ANDERSON, D. L. Pre-laying nutritional and environmental factors in the performance of the adult fowl. 1. Adaptation of litter-reared Single Comb White Leghorn females to different calcium and phosphorus intakes. Poultry Sci. 45(1):67-75. Ref. Jan.1966. 47.8 Am33P

47210 ANDERSON, J. O. Cottonseed meal as a protein source for poultry. Anim. Nutr. Health 20(4):11-12,14. Apr.1965. 389.78 W52
Chicks.

47211 ANDERSON, J. O., and WARNICK, R. E. Sequence in which essential amino acids become limiting for growth of chicks fed rations containing cottonseed meal. Poultry Sci. 45(1):84-89. Jan.1966. 47.8 Am33P

47212 ASAJ, A., CUKOR, E., and NEMANIC, J. Microclimatic conditions and the weight increase of fattened poultry fed on rations supplemented with enzyme A-356 produced by the Kalinovica Serum Institute. (Se) Vetserum 13(7/8):286-294. Ref. 1965. 41.8 V6459
English summary.

47213 BAEUM, J. The efficiency of feeds is raised with the new knowledge on poultry nutrition. (It) Avicoltura 34(10):77-87. Oct.1965. 47.8 R523
French summary, p.67.

47214 BEARSE, G. E. High levels of meat and bone meal in laying rations. Wash. Anim. Nutr. Conf. Proc., 18th Conf:104-106. 1965. 389.79 W94

47215 BERG, L. R. Protein supplements in fryer rations. Wash. Anim. Nutr. Conf. Proc., 18th Conf:98-101. 1965. 389.79 W94

47216 BERG, L. R. Wheat for fryers. Wash. Anim. Nutr. Conf. Proc., 18th Conf:42-46. 1965. 389.79 W94
Includes formulas.

47217 BIELY, J. Nutrient content, cost and performance of broiler rations. Feedstuffs 38(1):54-56. Jan.8,1966. 286.81 F322

47218 BLUM, J. C. The B vitamins in the feeding of poultry. Rev. Elevage 20(spec.no.38):131-132, 135-136,138. 1965. 49 B462

47219 BONOMI, A. Italian poultry experiment leaflet. 62. The vitamin T complex in the feeding of meat poultry—the effect of sparing it on animal proteins. (It) Avicoltura 34(8):167-174. Ref. Aug.1965. 47.8 R523
Includes formulas.

47220 BONOMI, A. The use of nystatin in feeding of meat poultry. (It) Avicoltura 34(7):99-104. July 1965. 47.8 R523
French summary, p.50.

47221 BORGIOLI, E. Ad libitum and directed feeding of broiler type chickens of the heavy breeds. (It) Avicoltura 34(7):53-58. Ref. July 1965. 47.8 R523
French summary, p.49.

47222 BRUINS, H. W., and others. Is selenium deficiency a practical problem in poultry? Feedstuffs 38(2):66-69,map. Ref. Jan.15,1966. 286.81 F322
L. E. Ousterhout, M. L. Scott, E. E. Cary, and W. H. Allaway, joint authors.

47223 BURTON, H. W., and GARTNER, R. J. W. Evaluation of meat-and-bone meals in rations for growing chickens. 2. Effect of blood meal as a partial replacement for meat-and-bone meals. Queensland J. Agr. Anim. Sci. 22(2):125-136. Ref. June 1965. 23 Q37

- 47224 CONSO, P. The problems of calcium for the layer. (It) *Avicoltura* 34(9):69-73. Sept.1965. 47.8 R523
- 47225 COSTANTINI, P. DE. The most recent information on poultry feeding. (It) *Riv. Zootec.* 38 (12):712-725. Dec.1965. 49 R52
- 47226 DAMRON, B. L., WALDROUP, P. W., and HARMS, R. H. Effects of arsenic acid, NF-180, antibiotics, and a fermentation product on performance of caged layers. *Poultry Sci.* 45 (1):151-156. Ref. Jan.1966. 47.8 Am33P
- 47227 DROMIGNY, J. C. Minor elements for poultry. (Fr) *Rev. Elevage* 20(spec.no.38):69-70,73-74. 1965. 49 B462
- 47228 DUA, P. N., and DAY, E. J. Vitamin K activity of menadione dimethylpyrimidinol bisulfite in chicks. *Poultry Sci.* 45(1):94-96. Jan.1966. 47.8 Am33P
- 47229 FISHER, H., and KAUNITZ, H. Dietary saturated medium-chain triglycerides and vitamin E deficiency in chicks and rats. *Soc. Exp. Biol. Med. Proc.* 120(1):175-179. Ref. Oct.1965. 442.9 S61
- 47230 GIAVARINI, I. The chief biological problems of modern poultry raising. (It) *Accad. Naz. Agr. Ann.* 76:27-35. 1965. 16 B632A
Feeding and breeding in Europe.
- 47231 GRIFFITH, M., YOUNG, R. J., and SCOTT, M. L. Influence of soybean meal on growth and phosphorus availability in turkey poults. *Poultry Sci.* 45(1):189-199. Ref. Jan.1966. 47.8 Am33P
- 47232 HALLORAN, H. R. Effect of molasses on poultry droppings. *Anim. Nutr. Health* 20(4):21,24. Apr.1965. 389.78 W52
Molasses as feed.
- 47233 HARPER, J. A. Use of wheat in turkey rations. *Feedstuffs* 38(9):66-68. Ref. Mar.5,1966. 286.81 F322
- 47234 HETH, D. A., SUNDE, M. L., and HOEKSTRA, W. G. Influence of dietary calcium and zinc on zinc-65 metabolism in laying hens and their progeny. *Poultry Sci.* 45(1):75-83. Ref. Jan. 1966. 47.8 Am33P
- 47235 HUDSPETH, J. P., and others. Effect of dietary ascorbic acid and hesperidin on capillary fragility of broilers. *Poultry Sci.* 45(1):100-104. Ref. Jan.1966. 47.8 Am33P
R. L. DeGarde, L. Yaiko, and K. N. May, joint authors.
- 47236 ICHINOE, K., ISHIZIMA, Y., and HIRABAYASHI, T. The effect of rabbit manure on chicks. I. The growth promoting effect on male chicks. (Ja) *J. Agr. Sci. [Setagaya]* 10(3):85-89. Ref. Dec.1964. 22.5 J824
English summary.
- 47237 ICHINOE, K., SUZUKI, T., and SAHASHI, Y. The utilization of carotenoid paste as the pigment of egg yolk by the hen. (Ja) *J. Agr. Sci. [Setagaya]* 10(2):41-46. Oct.1964. 22.5 J824
English summary.
- 47238 JENSEN, L. S. Influence of unidentified factors on bone calcification. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:107-112. 1965. 389.79 W94
Poultry fed with soybean meal.
- 47239 LANGE, E. The calorie: protein ratio in feeds. (It) *Avicoltura* 34(5):67-72. Ref. May 1965. 47.8 R523
French summary, p.53.
For poultry.
- 47240 LANKFORD, L. T., and MINER, J. J. Feeding hens for egg production. *Ark. Univ. Ext. Leaf.* 376,11 p.-folder. Oct.1965. 275.29 Ar4Le
- 47241 MATTERSON, L. D., TLUSTOHOWICZ, J., and SINGSEN, E. P. Corn distillers dried grains with solubles in rations for high-producing hens. *Poultry Sci.* 45(1):147-151. Ref. Jan. 1966. 47.8 Am33P
- 47242 MCGINNIS, J. How much wheat to make good poultry feeds? *Western Farmer* 43(7):14,16-17. Jan.1966. 47.8 W27
In mixtures with other grain and fats.
- 47243 MCGINNIS, J. Influence of diet composition on growth response of chicks and turkeys to various antibiotics. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:9. 1965. 389.79 W94
- 47244 MCGINNIS, J. Studies on vitamin D function in laying hens. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:102-103. 1965. 389.79 W94
- 47245 MCGINNIS, J. Wheat for layers. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf:39-41. 1965. 389.79 W94
- 47246 MENGE, H., CALVERT, C. C., and DENTON, C. A. Influence of dietary oils on reproduction in the hen. *J. Nutr.* 87(4):365-370. Ref. Dec. 1965. 389.8 J82
Safflower or menhaden oil.
- 47247 MONSON, W. J. The effect of sex on the requirements of nutrients of poultry. *Amer. Feed Manufacturers Ass. Nutr. Council. Proc.*, 25th Semi-annu. Meeting:9-12. Ref. 1965. 389.79 Am32
Literature review.
- 47248 MULLER, H., and GROSE, L. Saving animal protein in young goose feeding. (Ge) *Tierzucht* 20(1):35-37. Jan.1966. 49 T443
Pasture feeding.
- 47249 NESHEIM, M. C., and GARLICH, J. D. Digestibility of unheated soybean meal for laying hens. *J. Nutr.* 88(2):187-192. Ref. Feb.1966. 389.8 J82
- 47250 NIESAR, K. H. The influence of dietary fat on the incorporation of T₂O in avian tissues. (Ge) *Zentralbl.Veterinarmed. Reihe B*, 12(7): 644-652. Dec.1965. 41.8 Z52
English summary.
- 47251 NOBILE, S., and IRVING, E. Relationship of alpha-tocopherol in the feed to total tocopherol in the egg. *Vet. Rec.* 78(3):113-114. Jan.15, 1966. 41.8 V641
- 47252 RAKO, A., KALIVODA, M., and MIKULEC, K. The effect of vitamin E on the utilization of fats in feed and on the intensity of growth of meat poultry. (Se) *Vetserum* 13(7/8):279-285. Ref. 1965. 41.8 V6459
- 47253 SNETSINGER, D. C., WAIBEL, P. E., and JOHNSON, E. L. Chicken rations. *Minn. Univ. Ext. Spec. Rep.* 20,12 p. Jan.1966. 275.29 M66Sb
- 47254 AL-SOUDI, K. A., and SCHAIBLE, P. J. Effect of certain soybean treatments upon growth and egg production of chickens. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(2):184-194. Ref. Nov.1965. 100 M58S
- 47255 SUMMERS, J. D., and others. The value of raw unextracted soybeans for laying hens. *Poultry Sci.* 45(1):165-169. Ref. Jan.1966. 47.8 Am33P
J. D. McConachie, S. J. Slinger, and W. F. Pepper, joint authors.
- 47256 TIETZE, F., DORN, M., and BECKER, R. Actual problems in large-scale turkey-hen production. 2. Supply of feed in the forest meadows. (Ge) *Tierzucht* 19(12):654-656. Dec. 1965. 49 T443
- 47257 VINCEK, C. Vitamin A in the feeding of broilers. (Se) *Stocarstvo* 19(5/6):225-232. Ref. May/June 1965. 43.8 St6
English summary.
- 47258 VOGT, H. The water economy of laying hens. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(9):344-346. Mar.3,1966. 18 N39
Drinking water and water in feed, and humidity in housing.

Veterinary Medicine

- 47259 ACOSTA, S. O., MARION, W. W., and FORSYTHE, R. H. Total lipids and phospholipids in turkey tissues. *Poultry Sci.* 45(1):169-184. Ref. Jan.1966. 47.8 Am33P
- 47260 ALSTEIN, A. D., KRAVCHENKO, A. T., and VORONIN, E. S. Neutralization of Rous sarcoma virus strains. *Acta Virol.* 10(1):66-70. Ref. Jan.1966. 448.3 Ac85

- 47261 ANTONOVA, M. E. Introduction of the medicinal solution into the hen's egg without breaking the shell. 4 p. Transl. 14935
Translation from Veterinariya 12:68-70. Dec.1964.
- 47262 ASPLIN, F. D. Duck hepatitis: vaccination against two serological types. Vet. Rec. 77 (50):1529-1530. Dec.11,1965. 41.8 V641
- 47263 BAUER, H., and SCHAFER, W. Isolation of a group specific antigen from poultry myeloblastosis virus (BAI-race A). (Ge) Z. Naturforsch. 20b(8):815-817. Ref. Aug.1965. 474 Z3
- 47264 BDOLAH, A., and FEINGOLD, D. S. Decarboxylation of uridine diphosphate-D-glucuronic acid by an enzyme preparation from hen oviduct. Biochem. Biophys. Res. Commun. 21(6):543-546. Ref. Dec.21,1965. 442.8 B5236
- 47265 BERRY, D. M. Duration of antibody after inactivated infectious bronchitis vaccine. Vet. Rec. 78(2):81-83. Jan.8,1966. 41.8 V641
Poultry.
- 47266 BIERER, B. W., CARLL, W. T., and ELEAZER, A comparison of the survival time and gross pathology in producing and nonproducing White Leghorn hens deprived of water. Poultry Sci. 45(1):65-67. Jan.1966. 47.8 Am33P
- 47267 BINGGELI, R. L. Central nervous system symmetry and spatial discrimination. In Cybernetic Sciences Symposium, 2, University of Southern California, 1964. Biophysics and cybernetic systems; proceedings, p.63-69. Ref. Q320.C9
Pigeons.
- 47268 CALDERINI, G. Erythromycin in avian pathology. (It) Avicoltura 34(9):105-107. Sept.1965. 47.8 R523
For diseases of the respiratory system.
- 47269 CALLEGARI, E., and VEGGETTI, A. Italian poultry experiment leaflets. 63. The arterial blood supply of the viscera in the fowl. (It) Avicoltura 34(10):195-206. Ref. Oct.1965. 47.8 R523
English summary.
- 47270 CASELLI, R. Respiratory diseases of poultry. (It) Avicoltura 34(9):97-99. Sept.1965. 47.8 R523
- 47271 CERNY, L. Manifestation of incompatibility of homologous embryonic cells (fibroblasts) in grown poultry. (Cz) Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet. 2:163-165. 1965. 105.92 B833
English summary.
- 47272 CHINN, W. T., and COOMBER, D. H. Fatty liver and kidney syndrome. Vet. Rec. 78(6):219-221. Feb.5,1966. 41.8 V641
Poultry.
- 47273 CHWALIBOG, J., and BUSZKIEWICZ, B. Poultry diseases diagnosed in the Province Administration of Veterinary Hygiene [Wojedzowski Zarzad Higieny Weterynaryjnej] in 1962-1963. (Pol) Med. Weter. 21(8):464-465. Aug.1965. 41.8 M463
- 47274 CLEMSON UNIVERSITY. POULTRY HEALTH AND MANAGEMENT SHORT COURSE. Variety of poultry health topics discussed. Feedstuffs 38(11):9,12,16. Mar.19,1966. 286.81 F322
Summary of papers reported by B. D. Barnett.
- 47275 COLUSSI, A. D., and GARBINI, J. D. Avian pathology. II. Staphylococcal arthritis. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):299-300, 302-304. July/Aug.1965. 41.8 B86
S. aureus.
- 47276 COUSE, J. Current disease problems. New Brunswick. Dep. Agr. Poultry Br. News Poultrymen, Summer 1965:2-9. 47.9 N42
Leukosis, chronic respiratory disease and coccidiosis control.
- 47277 CYGAN, Z., and WAWRZKIEWICZ, K. The identification of anaerobic spores isolated from the alimentary tract of dead poultry. (Pol) Med. Weter. 21(8):468-471. Ref. Aug.1965. 41.8 M463
English summary.
Clostridium perfringens.
- 47278 DALY, J. A., and others. Biological processing of visual information. In Cybernetic Sciences Symposium, 2, University of Southern California, 1964. Biophysics and cybernetic systems; proceedings, p.53-62. 1965. Q320.C9
M. Uemura, S. S. Viglione, R. L. Binggelli, and H. F. Wolf, joint authors.
Pigeons.
- 47279 DESAI, I. D. Effect of kidney beans (Phaseolus vulgaris) on plasma tocopherol-level and its relation to nutritional muscular dystrophy in the chick. Nature [London] 209(5025):810. Feb.19,1966. 472 N21
- 47280 DETTMER, N. Electron microscopical study of the elastic fibers in the wing ligament of the pigeon and their relationship to the other connective tissue. 17 p. Transl. 15813
Translation from Zeitschrift fur Zellforschung und mikroskopische Anatomie 37:89-100. 1952.
- 47281 DEVOS, A., STAELENS, M., and VIAENE, N. The hemorrhagic disease in poultry. (Fl) Vlaams Diergeneesk. Tijdschr. 34(3):90-99. Ref. Mar.1965. 41.8 V84
English summary.
- 47282 DEVOS, A., VIAENE, N., and STAELENS, M. Immunisation trials with 2 vaccines against S. typhimurium infections in pigeons. (Fl) Vlaams Diergeneesk. Tijdschr. 34(11):329-340. Nov.1965. 41.8 V84
English summary.
- 47283 DEVOS, A., VIAENE, N., STAELENS, M. Salmonellosis in pigeons, clinical aspects and chemotherapy. (Fl) Vlaams Diergeneesk. Tijdschr. 34(5):209-220. Ref. May 1965. 41.8 V84
English summary.
- 47284 ETEMADI, A. H., and GASCHÉ, J. On the biogenetic origin of 2-eicosanol and 2-octadecanol of Mycobacterium avium. (Fr) Soc. Chim. Biol. Bull. 47(11):2095-2104. Ref. 1965. 383 Sol
English summary.
- 47285 FRITZSCHE, K., and ALLAM, M. S. A. M. Contamination of poultry egg with Mycobacteria. (Ge) Arch. Lebensmittelhyg. 16(11):248-250. Nov.1965. 41.8 L49
Mycobacterium avium.
- 47286 GERMAN, A., PANOUSE-PERRIN, J., and QUERO, A. M. Obtaining interferon in chicken eggs incubated under the influence of Newcastle disease virus, living and inactivated by ultra violet radiation. (Fr) Acad. Sci. Compt. Rend. 261(2):595-597. July 12,1965. 505 P21
- 47287 GHOSH, J. Studies on avian haemoglobins: electrophoretic, alkaline denaturation, oxygen equilibrium and amino acid composition. Compar. Biochem. Physiol. 16(4):341-360. Ref. Dec.1965. 444.8 C73
Includes poultry.
- 47288 GIBSON, W. R., and others. An ovarian ascorbic acid depletion factor in starch gel preparations following electrophoresis. Soc. Exp. Biol. Med. Proc. 120(1):143-146. Ref. Oct.1965. 442.9 Sol
A. I. Frankel, J. W. Graber, and A. V. Nalbandow, joint authors.
Poultry.
- 47289 GIRI, S. N., and PEOPLES, S. A. Renal and hepatic effects on potency of testosterone propionate in chicken. Soc. Exp. Biol. Med. Proc. 120(2):523-525. Nov.1965. 442.9 Sol
- 47290 GIUSEPPE, F. DI. Etiological aspects of parasitosis of birds. (It) Vet. Ital. 16(8/9):626-640. Aug./Sept.1965. 41.8 C87
Poultry and pigeons.
- 47291 GLERAN, A., and KATCHBURIAN, E. Histological and histochemical study of the gizzard of Gallus domesticus. (Por) Sao Paulo. Univ. Fac. Farm. Bioquim. Rev. 2(2):73-84. Ref. July/Dec.1964. 396.9 Sa623
English summary.
- 47292 GRESKOVA, M., and ZAVADA, J. Attempts to induce immunological tolerance to Western equine encephalomyelitis virus. Acta Virol. 10(1):75-77. Jan.1966. 448.3 Ac85
In chicks and rabbits.

- 47293 GROVER, N. B. Three-dimensional structure of collagen bands. *J. Ultrastruct. Res.* 12(5/6): 574-578. Ref. June 1965. 440.8 J822
Chicken breast tendon.
- 47294 GRUN, J., and HUDSON, C. B. Comparison of a beta-propiolactone whole embryo Newcastle disease vaccine (one strain) with a beta-propiolactone amnio-allantoic Newcastle disease vaccine (four strain). *Poultry Sci.* 45(1):159-164. Ref. Jan. 1965. 47.8 Am33P
- 47295 GRUN, J. Synergistic and antagonistic reaction with beta-propiolactone inactivated Newcastle disease virus vaccine ingredients. *Poultry Sci.* 45(1):126-131. Jan. 1966. 47.8 Am33P
- 47296 HAHN, D. W., ISHIBASHI, T., and TURNER, C. W. Alteration of thyroid hormone secretion rate in fowls changed from a cold to a warm environment. *Poultry Sci.* 45(1):31-33. Jan. 1966. 47.8 Am33P
Thyroxine.
- 47297 HAYES, J. P. Does it help to dewing chickens? *Farming S. Afr.* 41(10):40-41. Jan. 1966. 24 So842
- 47298 HODASI, J. K. M. A note on some helminths of Manitoba chickens. *Can. J. Comp. Med. Vet. Sci.* 30(1):26-27. Jan. 1966. 41.8 C162
- 47299 HUMPHREYS, T., PENMAN, S., and BELL, E. The appearance of stable polysomes during the development of chick down feathers. In Bell, E., ed. *Molecular and cellular aspects of development*, p.410-413. Ref. 1965. QH573.B4
- 47300 HUTCHINS, M. O. Examination of erythrocyte I^{131} -T₄ and I^{131} -T₃ uptake test for thyroid function in chickens. *Soc. Exp. Biol. Med. Proc.* 120(2):581-584. Ref. Nov. 1965. 442.9 So1
Triiodothyronine (T₃) and thyroxine (T₄).
- 47301 IMONDI, A. R., and BIRD, F. H. The turnover of intestinal epithelium in the chick. *Poultry Sci.* 45(1):142-147. Jan. 1966. 47.8 Am33P
- 47302 INOUE, I., NOMOTO, S., and WATANABE, F. An outbreak of coccidiosis among ducks in the field. (Ja) *Jap. Vet. Med. Ass. J.* 18(7):23-26. 1965. 41.9 J275
English summary.
- 47303 JAFFE, W. P. Avian immunobiology. *Poultry Sci.* 45(1):109-118. Ref. Jan. 1966. 47.8 Am33P
- 47304 JAFFE, W. P., and JAAP, R. G. A lack of effect of bursa size on disease resistance and antibody production. *Poultry Sci.* 45(1):157-159. Jan. 1966. 47.8 Am33P
- 47305 JAKOVLEV, S. A. Prophylaxis of fowl spirochetosis. (Rus) *Veterinariya* 1:42. Jan. 1966. 41.8 V6426
- 47306 JENSEN, L. S., and MRAZ, F. R. Rachitogenic activity of isolated soy protein for chicks. *J. Nutr.* 88(2):249-253. Ref. Feb. 1966. 389.8 J82
- 47307 KAMINSKI, M. Immunoelectrophoretic examination of avian serum esterases. *Nature [London]* 209(5024):723-725. Feb. 12, 1966. 472 N21
Includes chicken, ducks, and geese; immunochemistry.
- 47308 KAUFMANN, H. P., and BANDYOPADHYAY, C. About the trans-lipoids. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):969-974. Ref. Dec. 1965. 384 C422
English summary.
Includes poultry physiology.
- 47309 KIRVAITIS, J., and SIMON, E. H. A radiobiological study of the development of Newcastle disease virus. *Virology* 26(4):545-553. Ref. Aug. 1965. 448.8 V81
- 47310 KODRŇA, E., TUNKL, B., and ROMIC, Z. Simultaneous immunization of poultry with the Newcastle and fowl cholera vaccines. (Se) *Vetserum* 13(7/8):275-278. 1965. 41.8 V6459
French summary.
- 47311 KOSTIN, V. V. Treatment of Candida mycosis in poultry. (Rus) *Veterinariya* 12:26-28. Dec. 1965. 41.8 V6426
- 47312 KUDRYAVTSEV, F. S., CHISTOVA, Z. YA., and SYURIN, V. N. The effect of vaccination method on the strength of immunity of Newcastle disease in chickens. (Rus) *Veterinariya* 1:39-41. Jan. 1966. 41.8 V6426
- 47313 LAUBER, J. K., MCGINNIS, J., and BOYD, J. Influence of miotics, Diamox and vision occluders on light-induced buphthalmos in domestic fowl. *Soc. Exp. Biol. Med. Proc.* 120(2):572-575. Nov. 1965. 442.9 So1
- 47314 LEVINSON, W. Inactivation of Newcastle disease virus by freezing in the presence of guanidine hydrochloride. *Virology* 27(4):559-565. Dec. 1965. 448.8 V81
- 47315 LIM, C. H. Histopathological studies of lesions produced on chorio-allantoic membrane of chicken embryos by fowl-and pigeon-pox viruses. (Ko) *Seoul Univ. J. Biol. Agr. Ser. (B)* 16:63-74. Ref. May 1965. 442.9 So84
English summary.
- 47316 LIPKIND, M. A., and ZAKSTELSKAYA, L. YA. The appearance of "red" plaques of Newcastle disease virus as a result of interfering effect of influenza A2 virus. *Acta Virol.* 10(1):78-79. Ref. Jan. 1966. 448.3 Ac85
- 47317 LOTENKOV, M. I. Effects of chlortetracycline on morphology and biochemistry of duckling blood. (Rus) *Khim. Sel'skom Khoz.* 4(1):49-51. Ref. Jan. 1966. 385 K524
- 47318 LUTZ-OSTERTAG, Y., and DIDIER, E. Localization of the presumptive zone of the shell gland of Mullerian ducts in the female chick embryo cultivated in vitro. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(3):648-651. 1965. 442.9 P21
- 47319 MAAS, J. C. A. VAN DER. Disease control on the larger laying farms in the future. (Du) *Doelmatige Veehouderij* 14(4):67-70. Aug. 1965. 49 D67
- 47320 MAGWOOD, S. E., ANNAU, E., and CORNER, A. H. Induced tolerance in turkeys to aflatoxin poisoning. *Can. J. Comp. Med. Vet. Sci.* 30(1):17-25. Jan. 1966. 41.8 C162
Toxic peanut meal as feed.
- 47321 MANSI, W. Duckling virus infection. *Vet. Rec.* 78(1):36. Jan. 1, 1966. 41.8 V641
- 47322 MARKOVITS, P. Immunization experiments with subcutaneously and perorally applied Newcastle disease virus vaccines of tissue culture and egg origin. (Hu) *Magyar Allatorv. Lapja* 20(12):557-559. Ref. Dec. 1965. 41.8 V644
English summary.
- 47323 MASTERS, P. M. S. A note on the occurrence of transmissible enteritis (monocytosis) of poultry in the Western Cape. *S. Afr. Vet. Med. Ass. J.* 36(3):391-392. Sept. 1965. 41.8 So8
- 47324 MAYR, A., and MALICKI, K. Attenuation of virulent fowl pox virus and characteristics of the attenuated virus. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 13(1):1-13. Ref. Feb. 1966. 41.8 Z52
English summary.
- 47325 MAZUROV, V. I., and OREKHOVICH, V. N. An unusual effect of actinomycin upon the synthesis of collagen in the cartilage tissue of chick embryos. (Rus) *Akad. Nauk SSSR. Dokl.* 166:742-745. Ref. 1966. 511 P444A
- 47326 MIDDLETON, C. C., and others. Physiologic and morphologic studies on atherosclerotic pigeons. *Soc. Exp. Biol. Med. Proc.* 120(1):105-107. Oct. 1965. 422.9 So1
T. B. Clarkson, H. B. Lofland, and R. W. Prichard, joint authors.
- 47327 MILLER, W. S. Susceptibility of white Carneau pigeons to respiratory infection by Venezuelan equine encephalitis virus. *Amer. J. Epidemiol.* 83(1):48-53. Ref. Jan. 1966. 449.8 Am3

- 47328 MOREJOHN, G. V. Variation of the syrinx of the fowl. *Poultry Sci.* 45(1):33-39. Ref. Jan. 1966. 47.8 Am33P
- 47329 MORGAN, D. F., and HERRMANN, H. Comparison of muscle tissue from normal and dystrophic chick at different stages of development. *Soc. Exp. Biol. Med. Proc.* 120(1):68-72. Ref. Oct.1965. 442.9 So1
- 47330 MRAZ, F. R. Embryonic response to iodine-131. *Poultry Sci.* 45(1):96-99. Ref. Jan.1966. 47.8 Am33P
- 47331 NEWNHAM, A. G., and CHU, H. P. An in vitro comparison of the effect of some antibacterial, antifungal and antiprotozoal agents on various strains of *Mycoplasma* (pleuropneumonia-like organisms; P.P.L.O.). *J. Hyg.* 63(1):1-23. Ref. Mar.1965. 449.8 J82
Chiefly *Mycoplasma gallisepticum*.
- 47332 ONDERSCHEKA, K., and JAKSCH, W. Potentiation experiment with chlor- and oxytetracycline in poultry. (Ge) *Wien. Tierarztl. Monatsschr.* 52(9):837-850. Ref. Sept.1965. 41.8 T345
English summary.
Therapeutically effective serum levels studied.
- 47333 OSTLIND, D. A., and HANSEN, M. F. Effects of X-ray dosages on development of *Heterakis gallinarum*. *Exp. Parasitol.* 18(1):41-48. Ref. Feb.1966. 436.8 Ex7
Blackhead disease in turkeys and chicks.
- 47334 OSUGI, T., and YAMADA, T. Pathological observation on intestinal obstruction in chickens. (Ja) *Jap. Vet. Med. Ass. J.* 18(7):26-30. 1965. 41.9 J275
English summary.
- 47335 PAUKOVIC, C. New data on the leukemia of poultry. (Se) *Vetserum* 13(7/8):295-299. 1965. 41.8 V6459
- 47336 PAYNE, F. E., SOLOMON, J. J., and PURCHASE, H. G. Immunofluorescent studies of group-specific antigen of the avian sarcoma-leukosis viruses. *Nat. Acad. Sci. Proc.* 55(2):341-349. Ref. Feb.1966. 500 N21P
- 47337 PETERSON, R. A., and others. Ink perfusion for displaying capillaries in the chicken. *Stain Technol.* 40(6):351-356. Nov.1965. 442.8 St1
R. K. Ringer, M. J. Tetzlaff, and A. M. Lucas, joint authors.
- 47338 PIERRO, L. J., and SPIGGLE, J. Effect of deoxyguanosine on skeletal development in the chick embryo. *Nature [London]* 209(5025):782-785. Ref. Feb.19,1966. 472 N21
- 47339 PRINCE, W. R., and GARREN, H. W. Natural resistance to fowl typhoid. *Elisha Mitchell Sci. Soc. J.* 81(2):73. Nov.1965. 500 EL4
- 47340 PROCHAZKA, Z. Changes in the blood count of chicks in the early post-natal period. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:179-184. 1965. 41.9 B833
English summary.
- 47341 RYLEY, J. F. Paramez (a mixture of 1,1'-dimethyl-4,4'-bipyridylum chloride and sulphadimidine) for the treatment of coccidiosis in fowls. *Vet. Rec.* 77(50):1498-1504. Dec.11, 1965. 41.8 V641
- 47342 SAITO, I. Comparative anatomical studies of the oral organs of the poultry. 1-2. (Ja) *Miyazaki. Univ. Fac. Agr. Bull.* 11(1/2):150-170. Ref. Dec.1965. 22.5 M6932B
English summary.
- 47343 SCHMID, A., and ZIPF, K. The deposition and distribution of strontium in the hen's egg. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):613-616. Dec.1965. 41.8 Z52
English summary.
Includes discussion.
- 47344 SHUMILO, R., TIKHON, E., and VESHT, G. Harmful disease of ducks. (Rus) *Kolkhoz.-Sovkhoz. Proizv. Moldavii* 8:30. Aug.1965. 20 Z45
Hystrichis infestation.
- 47345 SIMPSON, C. F., HARMS, R. H., and DAMRON, B. L. Failure of reserpine to modify the incidence of aortic ruptures induced in turkeys by diethylstilbestrol. *Soc. Exp. Biol. Med. Proc.* 120(2):321-323. Ref. Nov.1965. 442.9 So1
- 47346 SKINNER, J. L., and HALLER, R. W. Control cannibalism in poultry. *Wis. Univ. Ext. Spec. Circ.* 112,2 p. Jan.1966. 275.29 W75S
Debeaking.
- 47347 SLUZEWSKA, M. The occurrence of antigens 12₂ and 12₃ in strains of *Salmonella pullorum* and *Salmonella gallinarum* and immuno-electrophoretic investigations of phosphate extracts of isolated cell walls of these bacteria. (Pol) *Med. Weter.* 21(7):414-417. Ref. July 1965. 41.8 M463
English summary.
- 47348 SMIDOVA, V., and others. Neoplastic transformation of rat embryo fibroblasts by fowl sarcoma virus B77. *Neoplasma* 12(4):453-458. Ref. 1965. 41.8 N353
N. Valentoua, J. Smida, and J. Medzihradsky, joint authors.
- 47349 SOLIMAN, M. K., EL AMROUSI, S., and AHMED, A. A. S. Cytological and biochemical studies on the blood of normal and spirochaete-infected ducks. *Zentralbl. Veterinarmed. Reihe B*, 13(1):82-86. Ref. Feb.1966. 41.8 Z52
Borrelia anserina.
- 47350 SOROKIN, V. Diseases of respiratory organs of poultry. (Rus) *Kolkhoz.-Sovkhoz. Proizv. Moldavii* 9:21-22. Sept.1965. 20 Z45
- 47351 SPECK, J. Serological differentiation of chicken vibrios by complement fixation. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(6):541-546. Ref. Nov.1965. 41.8 Z52
English summary.
- 47352 SQUIBB, R. L. Nature of the free amino-acid pool in avian tissues. *Nature [London]* 209(5024):710-711. Feb.12,1966. 472 N21
Newcastle disease virus in chicks.
- 47353 STEVENS, R. W. C., and RIDGWAY, G. J. A technique for bleeding chickens from the jugular vein. *Poultry Sci.* 45(1):204-205. Jan.1966. 47.8 Am33P
- 47354 STUART, E. E., and others. The enhancement of chlortetracycline activity against *Pasteurella multocida* with sodium sulfate. *Poultry Sci.* 45(1):21-26. Ref. Jan.1966. 47.8 Am33P
R. D. Keenum, L. E. Ousterhout, and H. W. Bruins, joint authors.
In relation to treatment of fowl cholera.
- 47355 SUPPERER, R., and KUTZER, E. Geese mortality in a village pond and unusual mite finding (*Leiodynychus krameri*) in a horse. (Ge) *Wien. Tierarztl. Monatsschr.* 52(9):858-859. Sept.1965. 41.8 T345
Echinuria infestation in geese as possible cause.
- 47356 SURYNEK, J., and MACH, P. A myelogram of poultry. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:227-232. Ref. 1965. 41.9 B833
English summary.
- 47357 SWIECH, S. Remarks on immunization with L vaccine against Newcastle disease. (Pol) *Med. Weter.* 21(6):348-349. June 1965. 41.8 M463
- 47358 TAXI, J. Contribution to the study of connections between the neurone motors and the automatic nervous system. (Fr) *Ann. Sci. Natur. Zool. Biol. Anim.* (ser.12)7(3):413-673. July/Sept.1965. 410 An7
Bibliography, p.638-659.
Includes poultry and cats.
- 47359 TETZLAFF, M. J., PETERSON, R. A., and RINGER, R. K. A phenylhydrazine-leucofuchsin sequence for staining nerves and nerve endings in the integument of poultry. *Stain Technol.* 40(6):313-136. Nov.1965. 442.8 St1

- 47360 TOTH, B., and others. Immunization experiments with vaccine strains Lasota and B1 of Newcastle disease virus. (Hu) Magyar Allatorv. Lapja 20(12):560-564. Dec.1965. 41.8 V644
D. Derzsy, P. Markovits, and L. Prokopovitsch, joint authors.
English summary.
- 47361 TSUBOKURA, M. Studies on Salmonella pullorum phage. I-III. Jap. J. Vet. Sci. 27(3):179-188; (4):239-246; (5):277-282. Ref. June-Oct. 1965. 41.8 J27
- 47362 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Poultry diseases activities report, 1965. U. S. Agr. Res. Serv. ARS 91-54,17 p. Ref. Dec.1965. A41.9 R315Ar
- 47363 VOETEN, A. C. Treatment of eggs for hatching according to the "direct-variable pressure method" in a tylosin solution for the prevention of Mycoplasma gallisepticum infection of chicks. (Du) Tijdschr. Diergeneesk. 91(2):82-88. Jan.15,1966. 41.8 T431
English summary.
- 47364 VOGT, P. K., and ISHIZAKI, R. Reciprocal patterns of genetic resistance to avian tumor viruses in two lines of chickens. Virology 26(4):664-672. Ref. Aug.1965. 448.8 V81
- 47365 VOHRA, P., KRATZER, F. H., and JOSLYN, M. A. The growth depressing and toxic effects of tannins to chicks. Poultry Sci. 45(1):135-142. Ref. Jan.1966. 47.8 Am33P
- 47366 WACHENDORFER, G. The cultivation of duck hepatitis virus in chick embryo. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(1/3):174-178. Ref. Dec.1965. 448.3 C33
- 47367 WAKELIN, D. Experimental studies on the biology of Capillaria obsignata Madsen, 1945, a nematode parasite of the domestic fowl. J. Helminthol. 39(4):399-412. Ref. 1965. 436.8 J82
- 47368 WATANABE, S., and SUZUKI, S. Studies on the component of the body-fluid of chicken embryo. I-II. (Ja) J. Agr. Sci. [Setagaya] 10(2):47-59. Ref. Oct.1964. 22.5 J824
English summary.
Blood serum and amniotic fluid.
- 47369 WINGET, C. M., MEPHAM, C. A., and AVERKIN, E. G. Effects of a 17-spirolactone on a circadian rhythm and other physiological systems (Gallus domesticus). Compar. Biochem. Physiol. 16(4):497-506. Ref. Dec.1965. 444.8 C73
- 47370 ZANELLA, A. Modern data on prevention and treatment of poultry helminthiasis. (It) Avicoltura 34(6):151-158. Ref. June 1965. 47.8 R523
- 47371 ZANELLA, A. The nephritis-nephrosis syndrome in poultry: diagnostic research. (It) Avicoltura 34(7):71-79. Ref. July 1965. 47.8 R523
French summary, p.50.
- 47372 ZUCCHI, G. Finally Italy has a Chair of Avian Pathology. (It) Avicoltura 34(7):81-82. July 1965. 47.8 R523
In the Faculty of Veterinary Medicine of the University of Bologna (Facolta di Medicina Veterinaria dell'Universita di Bologna).
- 47373 ZUCCHI, G. Prof. G. Borgatti points out the situation and the scope of the Chair of Avian Pathology [Cattedra di Patologia Aviaria]. (It) Avicoltura 34(9):75-80. Sept.1965. 47.8 R523
An interview with the dean of the Faculty of Veterinary Medicine of the University of Bologna (Facolta di Medicina Veterinaria, Universita di Bologna).
- 47374 ALMAND, J. D. Wanted: more wood ducks in Georgia. Ga. Univ. Ext. Bull. 649,12 p. Oct. 1965. 275.29 G29B
- 47375 ANGELO, G. D'. Disinfection and disinfection of poultry house. (It) Avicoltura 34(11):77-80. Nov.1965. 47.8 R523
French summary, p.69.
- 47376 AUXILIA, M., and MASTRORILLO, C. Comparative test between layers raised in cages and those raised on permanent litter. (It) Riv. Zootec. 38(12):696-702. Dec.1965. 49 R52
- 47377 BORGIOLO, E. The effect of light and photoperiod on the sexual maturity of pullets and on the egg production of layers. (It) Avicoltura 34(5):59-65. Ref. May 1965. 47.8 R523
French summary, p.53.
- 47378 BRUNOLI, A. International poultry dictionary—Italian, French, English, German, Spanish—A to L. Avicoltura 34(6):161-176; (7):113-128; (8):113-128; (9):129-144; (10):129-144; (11):129-144; (12):149-164. (Cont.) June-Dec.1965. 47.8 R523
- 47379 BRUNOLI, A. Something to think about—"all full and all empty." (It) Avicoltura 34(9):126-128. Sept.1965. 47.8 R523
Poultry egg production and different plans.
- 47380 CALDERINI, G. Disinfection and disinfection of poultry houses. (It) Avicoltura 34(5):75-79. May 1965. 47.8 R523
French summary, p.54.
- 47381 CANEVARI, A. The raising of game. (It) Riv. Zootec. 38(12):726-730. Dec.1965. 49 R52
Especially game birds.
- 47382 COOK, R. E., and DEMBNICKI, E. F. Performance and interactions of seven egg production stocks in three cage housing regimes. Poultry Sci. 45(1):17-21. Jan.1966. 47.8 Am33P
- 47383 COX, C. J. Forced molting—boon or boondoggle? Feedstuffs 38(8):59-60. Feb.26,1966. 286.81 F322
- 47384 DIFIDENTI, G. A. A school for the poultry farmer. (It) Avicoltura 34(10):119-121. Oct. 1965. 47.8 R523
Government-sponsored courses.
- 47385 DUNK, M. R. USDA summarizes random sample egg tests. Poultry Trib. 72(3):27,68-69. Mar.1966. 47.8 P8642
- 47386 DUTTLINGER, E. Farm poultry raising. (Ge) Grune 94(6/2):183-184. Feb.11,1966. 17 Sch9
Switzerland; includes rabbits.
- 47387 ENCKEVORT, J. W. F. VAN. Social behavior and floor space for layers. (Du) Doelmatige Veehouderij 5:90-93. Oct.1965. 49 D67
- 47388 ERSEK, J. P. Culling is profitable if done right. Poultry Trib. 72(3):21,54. Mar.1966. 47.8 P8642
- 47389 FRANCHINI, F. Sanitary defense in France. (It) Avicoltura 34(11):91-92. Nov.1965. 47.8 R523
French summary, p.20.
Poultry raising.
- 47390 GIAVARINI, I. Improving the quality of poultry products as a basis for the potential and the development of the poultry enterprise. (It) Avicoltura 34(10):99-105. Oct.1965. 47.8 R523
French summary, p.67.
Improving eggs and meat.
- 47391 GOODWIN, D. The bowing display of pigeons in reference to phylogeny. Auk 83(1):117-123. Ref. Jan.1966. 413.8 Au4
- 47392 KRAMER, G. Studies on measures for improving goose hatching. (Ge) Tierzucht 20(1):37-41. Ref. Jan.1966. 49 T443
Includes effects of feeding.
- 47393 LEPORATI, L. Italian poultry experiment leaflets. 61. Planned laying of fowl. (It) Avicoltura 34(6):261-262. Ref. June 1965. 47.8 R523
French summary, p.98.
Stimulants, including ultraviolet rays and feeds, to egg production of pheasants and partridges.

Miscellaneous

- 47394 LONG, J., and others. The influence of selected temperatures and ventilation rates on egg production. *Poultry Sci.* 45(1):58-65. Ref. Jan.1966. 47.8 Am33P
A. C. Dale, R. B. Harrington, and R. L. Johnson, joint authors.
- 47395 MATTEI, F. Today's outlook on production of broilers. (It) *Avicoltura* 34(9):145-146. Sept. 1965. 47.8 R523
Italy.
- 47396 NOLES, R. K. Subsequent production and egg quality of forced molted hens. *Poultry Sci.* 45(1):50-57. Ref. Jan.1966. 47.8 Am33P
- 47397 OSTERREICHISCHE GESELLSCHAFT DER TIERARZTE. SEKTION GEFLUGELFORSCHUNG. Report of the scientific meeting held on January 19, 1965 in Vienna. (Ge) *Wien. Tierarztl. Monatsschr.* 52(7):726-733. July 1965. 41.8 T345
Abstracts of papers.
- 47398 PRANDL, O. Slaughter animal and meat inspection of poultry. (Ge) *Wien. Tierarztl. Monatsschr.* 52(9):860-867. Sept.1965. 41.8 T345
English summary.
- 47399 PROUDFOOT, F. G. The use of sealed Cryovac and polyethylene case liners with and without nitrogen gas for the preservation of hatching eggs. *Poultry Sci.* 45(1):105-108. Jan. 1966. 47.8 Am33P
- 47400 PULLIAINEN, E. Studies on the activity patterns of pheasant chicks (*Phasianus colchicus* L.) in experimental conditions. *Suomalainen Tiedekatemia. Ann. Ser. A, IV. Biol.* 97,16 p. Ref. 1965. 442.9 H36
- 47401 ROKEBY, T. R. C., and SMITH, R. M. Effect of various degrees of environmental control on poultry production. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):204-207. 1965. 290.9 Am34T
Feed conversion in relation to temperature and humidity changes in broilers.
- 47402 SINGH, H., and SCHAIKLE, P. J. Effect of certain sanitary measures upon livability and performance of pullets. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(2):173-183. Ref. Nov.1965. 100 M58S
- 47403 TESTA, F. Poultry raising in Tunisia. (It) *Avicoltura* 34(10):117-118. Oct.1965. 47.8 R523
French summary, p.68.
- 47404 TOULOUSE, J. P. Poduction of day-old poults. (It) *Agr. Italia* 11(9):33-37,39-43,45-51. Sept. 1965. 16 Ag8232
Housing, care, and feeding.
- 47405 U. S. AGRICULTURAL RESEARCH SERV. Hatcheries and dealers participating in the National Poultry Improvement Plan. U. S. Agr. Res. Serv. *ARS* 44-6,rev.,60 p. Feb.1966. A49.9 R31A
- 47406 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. POULTRY RESEARCH BR. 1965 report of egg production tests, United States and Canada—random sample egg production tests, two-year combined summary, 1963-64 and 1964-65; range group rankings, 1964-65; standard egg laying tests, 1964-65. U. S. Agr. Res. Serv. *ARS* 44-79-6,72 p. Jan.1966. A49.9 R31A
- RABBITS**
- Breeds and Breeding
- 47407 CHAUDHURY, R. R., and MATTHEWS, M. Effect of alcohol on the fertility of female rabbits. *J. Endocrinol.* 34(2):275-276. Feb.1966. 448.8 J8293
- 47408 HRUSKA, K. Detection of inorganic pyrophosphatase after agar gel electrophoresis. *Brno. Vysoka Sk. Zemedel. Sb. Rada B, Spisy Fak. Vet.* 2:103-105. 1965. 105.92 B833
Semen of rabbits.
- 47409 STOLZMAN, M. The results of German experiments on the effect of many years of artificial insemination in rabbits. (Pol) *Med. Weter.* 21(8):493-494. Aug.1965. 41.8 M463
- 47410 SZIKORA, A. From the rabbit to the Matthews hybrids. (Hu) *Elovilag* 10(3):146-149. 1965. 410 EL6
Veterinary Medicine
- 47411 AGID, R., DESBALS, B., and DESBALS, P. Evidence of an action characteristic to corticotropin on lipid and glucide metabolism in the rabbit. (Fr) *Acad. Sci. Compt. Rend.* 261(3):793-796. July 19,1965. 505 P21
- 47412 ALLISTON, C. W., HOWARTH, B., and ULBERG, L. C. Increased embryonic mortality subsequent to culture in vitro of one- and two-cell rabbit eggs at elevated temperatures. *Elisha Mitchell Sci. Soc. J.* 81(2):72-73. Nov. 1965. 500 EL4
- 47413 BOOTH, A. N., and others. Xanthurenic acid dehydroxylation by fecal microflora. *Soc. Exp. Biol. Med. Proc.* 120(2):546-548. Nov.1965. 442.9 S01
D. J. Robbins, F. T. Jones, O. H. Emerson, and M. S. Masri, joint authors.
Rabbits.
- 47414 BRACKETT, B. G., and WILLIAMS, W. L. In vitro fertilization of rabbit ova. *J. Exp. Zool.* 160(3):271-281. Ref. Dec.1965. 410 J825
- 47415 BREE, M. M., and COHEN, B. J. Effects of urethane anesthesia on blood and blood vessels in rabbits. *Lab. Anim. Care* 15(4):254-259. Aug.1965. 410.9 P94
- 47416 FENNER, F. Myxoma virus and *Oryctolagus cuniculus*: two colonizing species. In International Union of Biological Sciences Symposia on General Biology, I, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.485-501, map. Ref. 1965. QH371.15
Includes myxomatosis in Australia.
Includes discussion.
- 47417 FENNER, F. J., and RATLIFF, F. N. Myxomatosis. Cambridge, Univ. Press, 1965. 379 p., map. SF997.5.R2F4
Bibliography, p.349-371.
- 47418 HAFEZ, E. S. E., TSUTSUMI, Y., and KAHN, M. A. Progesterin levels in the ovaries and ovarian effluent blood in pregnant rabbits. *Soc. Exp. Biol. Med. Proc.* 120(1):75-78. Ref. Oct. 1965. 442.9 S01
- 47419 HAMADA, C., KAMIYA, T., and KAPLAN, A. S. Serological analysis of some enzymes present in pseudorabies virus-infected and noninfected cells. *Virology* 28(2):271-281. Ref. Feb.1966. 448.8 V81
Tested in rabbit kidney cells.
- 47420 HANKIEWICZ, J., KOZAR, M., and SZAFARSKI, J. The activity of transaminase (GOT and GPT) of the dehydrogenase of lactic acid (DLA) and aldolase (ALD) in the plasma of rabbits with experimental trichinosis. (Pol) *Med. Weter.* 21(8):476-479. Ref. Aug.1965. 41.8 M463
English summary.
- 47421 HUNT, C. E., and CARLTON, W. W. Cardiovascular lesions associated with experimental copper deficiency in the rabbit. *J. Nutr.* 87(4):385-393. Ref. Dec.1965. 389.8 J82
- 47422 KUROCHKIN, V. I., and others. Complement fixing antibodies in serum of rabbits immunized against foot-and-mouth disease. (Rus) *Veterinariya* 1:109-111. Jan.1966. 41.8 V6426
K. F. Busygin, N. K. Gumerov, and G. G. Nuriev, joint authors.
- 47423 MICHALSKI, Z., and OSTINSKI, B. Experimental investigations on supplying a partially-removed kidney with pedunculated lobe of omentum and a haemostatic sponge. (Pol) *Med. Weter.* 21(10):618-622. Ref. Oct.1965. 41.8 M463
English summary.
Rabbits.
- 47424 MUNRO, H. N., STEELE, M. H., and FORBES, W. Effect of dietary protein level on deposition of cholesterol in the tissues of the cholesterol-fed rabbit. *Brit. J. Exp. Pathol.* 46(5):489-496. Ref. Oct.1965. 448.8 B772

- 47425 PASTUSZKO, J. Coccidiosis of rabbits and hares in Poland and its treatment. (Pol) Med. Weter. 21(6):349-353, map. Ref. June 1965. 41.8 M463
- 47426 PELLERDY, L., and SZEMEREDI, G. Studies on the effectiveness of furazolidone against rabbit coccidiosis. (Hu) Magyar Allatorv. Lapja 20(12):546-548. Dec. 1965. 41.8 V644 English summary.
- 47427 PRUNIERAS, M., and others. Effects of Shope papilloma virus on the caryotype of adult domestic rabbit malpighian cells propagated in vitro. (Fr) Inst. Pasteur. Ann. 110(2):145-174. Ref. Feb. 1966. 448.3 An75
C. Jacquemont, Y. Chardonnet, and L. Gazzolo, joint authors.
English summary.
- 47428 RDZOK, E. J., SHIPKOWITZ, N. L., and RICHTER, W. R. Rabbit oral papillomatosis: ultrastructure of experimental infection. Cancer Res. 26(1):160-165. Ref. Jan. 1966. 448.8 C16
- 47429 SAMBROOK, J. F., and others. A mutant of rabbitpox virus defective at different stages of its multiplication in three cell types. Virology 26(4):738-745. Ref. Aug. 1965. 448.8 V81
M. E. McClain, K. B. Easterbrook, and B. R. McAuslan, joint authors.
- 47430 SCHOFIELD, B. M. The increased extensibility of pregnant myometrium. J. Physiol. 182 (3):690-694. Feb. 1966. 447.8 J82
In rabbit.
- 47431 TAKENO, K., NISHIO, A., and YANAGIYA, I. Acetyl choline release from the particulate fraction of rabbit brain. (Ja) Jap. J. Vet. Sci. 27(3):189-195. Ref. June 1965. 41.8 J27
English summary.
- 47432 TSUTSUMI, Y. Cyclic changes in the female genital mucosa of the normal estrous rabbit. Hokkaido Univ. Fac. Agr. J. 54(2):151-170. Ref. Dec. 1965. 107.6 J273J
- 47433 WYRZYKOWSKI, Z., and CHODAN, J. Investigations on the effects of various fractions of humus matter on the living organisms. I. (Pol) Med. Weter. 21(7):431-434. Ref. July 1965. 41.8 M463
English summary.
Fulvic acid isolated from peat tested on rabbits.
- 47434 YOSHIHARA, I. Studies on cecum digestion in the rabbit: mainly on the movement of cecal contents. (Ja) Niigata Univ. Fac. Agr. Mem. 2:1-32. Ref. Mar. 1962. 107.6 N5722
English summary.
- Miscellaneous
- 47435 TELLO, M. P. The domestic rabbit, its raising and management. (Por) Gaz. Agr. [Lourenco Marques] 17(188):7-13. (Cont.) Jan. 1965. 24 G25
- 47436 WYOMING UNIVERSITY, COLLEGE OF AGRICULTURE. EXTENSION SERV. 4-H rabbit project record book. Wyo. Univ. Ext. [4-H Club. Circ.] Ra-5a, 16 p. Oct. 1965. 275.29 W99Fc
- SHEEP AND GOATS
- Breeds and Breeding
- 47437 ASOCIACION ARGENTINA CRIADORES DE CORRIEDALE. Brief history of the Corriedale in Argentina. (Sp) Soc. Rural Argent. An. 99 (9):22-26. Sept. 1965. 9 S01
- 47438 BELONJE, P. C. Observations on the post natal development of the penis in Merino ram lambs and wethers; the possible relationship to the passage of urinary calculi. S. Afr. Vet. Med. Ass. J. 36(3):381-383. Sept. 1965. 41.8 S08
- 47439 BIBERSTEIN, E. L., and others. Epididymitis of ram; antibody in newborn lambs. Cornell Vet. 56(1):54-66. Ref. Jan. 1966. 41.8 C81
P. C. Kennedy, E. A. Robinson, and B. McGowan, joint authors.
- 47440 GUTSCHE, H. J. Increasing wool production in Mutton Merino sheep breeding. (Ge) Tierzucht 20(1):26-29. Jan. 1966. 49 T443
- 47441 KONIG, K. H. Principles of population genetic in sheep breeding. (Ge) Tierzucht 19(12):624-627. Dec. 1965. 49 T443
- 47442 LYUBAVSKII, A. V. Increasing role of sheep breeding farm "40 years of Kazakhstan" in improving sheep breeds. (Rus) Zhivotnovodstvo 1:55-58. Jan. 1966. 49 Z6
- 47443 MAZZONI, R. An interesting sheep breed: Romney-Marsh. (It) Inform. Zootec. 12(19): 653-655. Oct. 15, 1965. 49 In3
- 47444 SACKER, G. D., and TRAIL, J. C. M. Production characteristics of a herd of East African Mubende goats. Trop. Agr. [St. Augustine] 43 (1):43-51. Jan. 1966. 26 T754
Uganda.
- 47445 SWARBRICK, O. The failure of hormone therapy to induce an early lamb crop. Vet. Rec. 78(2):49-50. Jan. 8, 1966. 41.8 V641
- 47446 THOMPSON, P. G. Goat breeding in Fiji. S. Pacific Bull. 15(2):28-30. Apr. 1965. 280.8 S089
- 47447 TOGAY, C. Merinos X Akkaraman melezzelinde renk kalitimi [Merino X Akkaraman cross-breeding and color research]. Ankara. Lalahan Zootek. Arastirma Enstitusu. Yayin 18, 43 p. Ref. 1965. 40.19 An42
English summary.
Tez-Angora.
- 47448 WIENER, G., and FIELD, A. C. Blood copper levels in sheep in relation to genetic factors, parity and previous swayback history. Nature [London] 209(5025):835-836. Feb. 19, 1966. 472 N21
- Feeds and Feeding
- 47449 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Some aspects of heavy stocking. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 52:2-9. Ref. Sept. 1965. 23 R88
Sheep grazing and pasture management.
- 47450 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Winter feed for grazing sheep. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 52:10-13. Sept. 1965. 23 R88
- 47451 BLAKESLEE, L. H., and GOOD, B. H. Feeding and pasture management of nursing and weaned lambs. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):195-200. Nov. 1965. 100 M58S
- 47452 BUNGEY, C. S. The basic food requirements of sheep. S. Australia J. Agr. 69(6):202-208. Jan. 1966. 23 S084
- 47453 BURGER, J. D., and VAN DER MERWE, F. J. When Namaqualand suffers drought. Farming S. Afr. 41(10):30-32. Jan. 1966. 24 S0842
Sheep feeding.
- 47454 COETZEE, F. C. T. The nutritive value of lucerne hay. Farming S. Afr. 41(10):24-27. Jan. 1966. 24 S0842
Sheep and dairy cattle feeding.
- 47455 DINESCU, S. Observations on feeding sheep for meat with the addition of urea to the ration. (Rum) Rev. Zootec. Med. Vet. 15(12):25-27. Dec. 1965. 49 P943
- 47456 JACOBSSON, S. O., OKSANEN, H. E., and HANSSON, E. Excretion of selenium in the milk of sheep. Acta Vet. Scand. 6(4):299-312. Ref. 1965. 41.8 Ac87
- 47457 MACKENZIE, H. I. The effect of different levels of cyanuric acid in sheep rations in winter. S. Afr. Vet. Med. Ass. J. 36(3):369-370. Sept. 1965. 41.8 S08
- 47458 MOLNAR, I. Production in relation to rainfall, superphosphate and erosion. Australian J. Agr. Econ. 9(2):169-175, map. Dec. 1965. 281.8 Au74
Wool and wheat production.

- 47459 OPRESCU, S., and OPRESCU, S. Morpho-productive investigations on dam-ewes and off-spring, as influenced by various feeding levels. (Rum) *Rev. Zootch. Med. Vet.* 15(11):21-30. Ref. Nov.1965. 49 P943
English summary.
Spanca sheep; especially growth and wool production.
- 47460 OTT, E. A., and others. Zinc requirement of the growing lamb fed a purified diet. *J. Nutr.* 87(4):459-463. Ref. Dec.1965. 389.8 J82
W. H. Smith, M. Stob, H. E. Parker, R. B. Harrington, and W. M. Beeson, joint authors.
- 47461 PRINZ, W. The influence of calcium and strontium in the diet on the elimination of ^{85}Sr and ^{89}Sr by goats. (Ge) *Zentralbl. Veterinarmed.* Reihe B, 12(7):580-586. Dec.1965. 41.8 Z52
English summary.
Includes discussion.
- 47462 TANEJA, G. C. Effect of varying the frequency of watering during summer on the temperature, respiration, body weight and packed cell volume of blood of sheep. *Indian J. Exp. Biol.* 3(4):259-262. Oct.1965. 442.8 In2
Marwari breed.
- 47463 THERIEZ, M. Valeur alimentaire de quelques fourrages cultivés en Tunisie [Nutritive value of some forage plants cultivated in Tunisia]. *Tunisie. Inst. Nat. Rech. Agron. Doc. Tech.* 16, 12 p. Dec.1965. 24 T839
In sheep feeding.
- 47464 TRAJIC, D., and GOBELJIC, D. A contribution to the study of fattening of sheep on the plateau of Pester pastures. (Se) *Stocarstvo* 19(5/6): 233-241. Ref. May/June 1965. 43.8 St6
English summary.
- Veterinary Medicine
- 47465 ALEXANDER, G., and WILLIAMS, D. Progesterone and placental development in the sheep. *J. Endocrinol.* 34(2):241-245. Feb.1966. 448.8 J8293
- 47466 ALIEV, S. YU., and others. Liver fluke control in sheep. (Rus) *Veterinariya* 1:46-47. Jan. 1966. 41.8 V6426
U. M. Usubov, S. M. Mamedov, and R. B. Khalilova, joint authors.
- 47467 ALPER, T., HAIG, D. A., and CLARKE, M. C. The exceptionally small size of the scrapie agent. *Biochem. Biophys. Res. Commun.* 22(3):278-284. Ref. Feb.3,1966. 442.8 B5236
- 47468 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Eradication of footrot on a field station. *Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.]* 52:25-26. Sept.1965. 23 R88
Sheep.
- 47469 BAYFIELD, R. F., and COLE, E. R. The colorimetric estimation of phenothiazine. *Anal. Chim. Acta* 34(2):193-200. Ref. Feb.1966. 381 An1
Applied in anthelmintic excretion in sheep.
- 47470 BELONJE, P. C. An investigation into a problem of urinary calculi in Merino wethers. *S. Afr. Vet. Med. Ass. J.* 36(3):377-379. Sept. 1965. 41.8 So8
- 47471 BUSHMAN, D. H., EMERICK, R. J., and EMBRY, L. B. Experimentally induced ovine phosphatic urolithiasis: relationships involving dietary calcium, phosphorus and magnesium. *J. Nutr.* 87(4):499-504. Ref. Dec.1965. 389.8 J82
- 47472 CALISTI, V. Investigations on synthetic oestrogens (stilbene) in milk; their influence on milk characteristics, ovary, uterus, and calcium concentration in the blood; experimental investigations in sheep. *Vet. Ital.* 16(8/9):561-575. Ref.,p.560. Aug./Sept.1965. 41.8 C87
Text also in Italian,p.531-560.
- 47473 CEDRO, V. C. F., and others. El diagnóstico de la brucelosis genital ovina a Br. ovis—Nuevos metodos de laboratorio [y] Inhibicion de hemoaglutinacion en el diagnostico de la brucelosis genital ovina a Br. ovis [Diagnosis of ovine genital brucellosis due to *Brucella ovis*—new laboratory methods [and] Hemagglutination inhibition in the diagnosis of ovine genital brucellosis due to *Brucella ovis*]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 2(1):1-25,27-34. Ref. 1965. 41.8 R3227
H. O. Cisale, L. M. E. de Benedetti, L. R. A. Forti de Menaldo, R. Rovere, and J. I. F. Ruiz y Ormaechea, joint authors.
English summary.
- 47474 CHARTON, A., and others. Variation of the rate of glycemia in the plasma of the jugular vein, in the lamb, with relation to age. (Fr) *Rec. Med. Vet.* 141(12):1177-1185. Dec.1965. 41.8 R24
P. Faye, A. Hervy, C. Bernard, and M. Gueslin, joint authors.
English summary.
- 47475 CHURKINA-BUZMAKOVA, R. A. Histochemical analysis in the case of white muscle disease in lambs. (Rus) *Veterinariya* 1:54-55. Jan. 1966. 41.8 V6426
- 47476 CISALE, H. O. General brucellosis in sheep due to *Brucella ovis*—its possible control. (Sp) *Rev. Med. Vet. [Buenos Aires]* 46(4):269-270, 273-274. July/Aug.1965. 41.8 B86
- 47477 COACKLEY, W., and PINI, A. The effect of Nairobi sheep disease virus on tissue culture systems. *J. Pathol. Bacteriol.* 90(2):672-675. Oct.1965. 448.8 J82
- 47478 COOK, W. C., and CONWAY, D. P. The biology of *Haemonchus contortus* in sheep in the Ozark highlands. *Ark. Agr. Exp. Sta. Rep. Ser.* 145, 8 p. Jan.1966. 100 Ar42R
- 47479 COWIE, A. T., TINDAL, J. S., and YOKOYAMA, A. The induction of mammary growth in the hypophysectomized goat. *J. Endocrinol.* 34(2): 185-196. Ref. Feb.1966. 448.8 J8293
- 47480 DENNIS, S. M., and MEYER, E. P. *Schistosomus reflexus* in a sheep. *Vet. Rec.* 77(47): 1386-1388. Nov.20,1965. 41.8 V641
- 47481 DONNELLY, F. B. Mulesing spring-born lambs at marking; an aid to increased production. *Agr. Gaz. New S. Wales* 76(12):716-719. Dec.1965. 23 N472
- 47482 DOUGLASS, D. S. Mules at marking for freedom from crutch strike and stained wool. *Agr. Gaz. New S. Wales* 76(12):720. Dec.1965. 23 N472
- 47483 DURANOV, V. S. The influence of external and internal radiation on sheep resistance to babesiosis agent. (Rus) *Veterinariya* 12:41-44. Dec.1965. 41.8 V6426
- 47484 FILSELL, O. H., and JARRETT, I. G. Adenosine-triphosphatase activity and nicotinamide nucleotide coenzymes in the parotid gland of the young lamb and adult sheep. *Biochem. J.* 97(2):479-484. Ref. Nov.1965. 382 B52
- 47485 HENMAN, R. Summer main season for scabby mouth in sheep. *New Zeal. J. Agr.* 112(1):14-15. Jan.1966. 23 N48J
Contagious ecthyma.
- 47486 HOBSON, P. N., and SUMMERS, R. Effect of growth rate on the lipase activity of a rumen bacterium. *Nature [London]* 209(5024):736-737. Feb.12,1966. 472 N21
Lipolytic bacteria from sheep rumen.
- 47487 HUBER, T. L., and others. Infusion of sodium bicarbonate- C^{14} in sheep. *Soc. Exp. Biol. Med. Proc.* 120(1):214-217. Ref. Oct.1965. 442.9 So1
E. D. Mayfield, R. L. Huston, and B. C. Johnson, joint authors.

- 47488 JANSEN, B. C., VISSER, F., and KNOETZE, P. C. Some practical considerations on the protection of sheep against pulpy kidney disease. *S. Afr. Vet. Med. Ass. J.* 36(3):365-366. Sept. 1965. 41.8 So8
Vaccination.
- 47489 LEE, R. P., O'NUALLAIN, T., and POWER, J. H. Anthelmintic activity of a biphenyl compound against mature and immature stages of *Fasciola hepatica*. *Vet. Rec.* 78(6):196-200. Ref. Feb. 5, 1966. 41.8 V641
Bayer 9015A effects on sheep.
- 47490 LENKOV, V. I., and LAKHNO, V. P. The preserving capacity of toxin *Clostridium perfringens* in sheep feces and intestine contents. (Rus) *Veterinariya* 12:16-17. Dec. 1965. 41.8 V6426
Type D, the cause of enterotoxemia.
- 47491 LORCHER, L. Further studies on absorption estimation of phosphates by the dynamic isotope dilution method. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):661-668. Dec. 1965. 41.8 Z52
English summary.
Sheep.
Includes discussion.
- 47492 LYLE-STEWART, W., HATT, S. D., and CRESSWELL, E. Dental conservation in sheep: preliminary report of a clinical trial. *Vet. Rec.* 78(2):40-44. Jan. 8, 1966. 41.8 V641
- 47493 MACKAY, J. M. K., and NISBET, D. I. Jaagsiekte—a hazard of intensified sheep husbandry. *Vet. Rec.* 78(1):18-24. Ref. Jan. 1966. 41.8 V641
Review of literature.
Includes discussion.
- 47494 MACKENZIE, D. D. S., and LASCELLES, A. K. The movement of solutes across the epithelium of the ducts and cisterns in the mammary gland of the ewe. *Australian J. Biol. Sci.* 18(5):1035-1044. Ref. Oct. 1965. 44.2 Au72
- 47495 MATTEUZZI, D. Contribution to the knowledge of the *Selenomonas ruminantium*. (It) *Ann. Microbiol. Enzimol.* 14(4/6):155-162. Ref. 1964. 44.3 An73
English summary.
Isolated from sheep rumen.
- 47496 MCFARLANE, D. Perinatal lamb losses. I. An autopsy method for the investigation of perinatal losses. *New Zeal. Vet. J.* 13(5):116-135. Oct. 1965. 41.8 N483
- 47497 MERCER, R., and STEVEN, D. H. Synotia in a stillborn lamb. *Vet. Rec.* 78(3):94-96. Jan. 15, 1966. 41.8 V641
- 47498 MOOR, R. M., and ROWSON, L. E. A. The corpus luteum of the sheep: functional relationship between the embryo and the corpus luteum. *J. Endocrinol.* 34(2):233-239. Ref. Feb. 1966. 44.8 J8293
- 47499 MORAILLON, and YALCIN. Pulmonary diseases of sheep. (Fr) *Rev. Elevage* 20(12):103, 105-106, 109. Dec. 1965. 49 B462
Worms and infections.
- 47500 MUKHAMETALIN, K. D., and others. The efficiency of phenothiazine-salt mixtures in briquettes and in bulk against strongyloidosis of sheep. (Rus) *Veterinariya* 1:47-48. Jan. 1966. 41.8 V6426
P. V. Radionov, V. I. Teterin, and E. Kozhberganov, joint authors.
- 47501 NISHINAKAGAWA, H., and HAYASHIDA, S. Studies on the vascular system of the udder in dairy domestic animals. I. On the distribution of the blood vessels of the udder in goats. (Ja) *Kagoshima Univ. Fac. Agr. Bull.* 15:81-89. Dec. 1964. 107.6 K114B
English summary.
- 47502 NISKET, A., and DESMOND, P. C. Polluted water caused sheep botulism. *Queensland Agr. J.* 91(12):744-745. Dec. 1965. 23 Q33
- 47503 OHGA, A., OTA, Y., and NAKAZATO, Y. The movement of the stomach of sheep with special reference to the omasal movement. *Jap. J. Vet. Sci.* 27(3):151-160. Ref. June 1965. 41.8 J27
- 47504 O'REILLY, K. J. Infection of sheep and monkeys with Langat virus: cross-protection against other viruses of the Russian spring-summer complex. *J. Hyg.* 63(2):213-221. Ref. June 1965. 44.8 J82
- 47505 PATTISON, I. H. Scrapie in the Welsh Mountain breed of sheep and its experimental transmission to goats. *Vet. Rec.* 77(47):1388-1390. Nov. 20, 1965. 41.8 V641
- 47506 PATTON, S., and MCCARTHY, R. D. Conversion of alcohol to ethyl esters of fatty acids by the lactating goat. *Nature [London]* 209(5023):616-617. Feb. 5, 1966. 47.2 N21
- 47507 PAVLOV, N., and VESPELINOVA, A. Morphology of the natural infection in lambs with the virus of lamb abortion. *Zentralbl. Veterinarmed. Reihe B*, 12(6):517-526. Ref. Nov. 1965. 41.8 Z52
- 47508 PAYNE, J. M., and COBB, R. W. Survey of milk fever in goats. *Vet. Rec.* 78(1):31-33. Jan. 1, 1966. 41.8 V641
- 47509 PIVA, G., and SILVA, S. Recent research on the utilization of biuret by rumen microorganisms; experiments with ¹⁵N marked biuret. (It) *Milan Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.)* 4(3):595-600. Dec. 1964. 16 M582
English summary.
Goats.
- 47510 PORTUGAL, A. V., and SUTHERLAND, T. M. Metabolism of glutamic and aspartic acids in whole rumen contents. *Nature [London]* 209(5022):510-511. Jan. 29, 1966. 47.2 N21
Sheep feeding experiments.
- 47511 PUGH, D. M., and CROWLEY, J. Some observations on the toxicity of hexachlorophene for sheep. *Vet. Rec.* 78(3):86-91. Ref. Jan. 15, 1966. 41.8 V641
- 47512 RAMYAR, H. Studies on the immunogenic properties of tissue-culture sheep pox virus. *Zentralbl. Veterinarmed. Reihe B*, 12(6):537-540. Nov. 1965. 41.8 Z52
- 47513 REINIUS, L., and SUOMINEN, T. Secretion of radioactivity in milk fat after a single oral dose of (³H) caproic acid to a goat. *Suomen Kem. B.* 39(1):18-20. 1966. 385 Su7
- 47514 REINIUS, L., and SUOMINEN, T. Secretion of radioactivity in milk fatty acids after a single oral dose of (³H) myristic acid to a goat. *Suomen Kem. B.* 39(1):20-22. Ref. 1966. 385 Su7
- 47515 ROBERTS, L. E., and others. Transpulmonary water exchange in newborn lambs under artificial placentation. *Amer. J. Physiol.* 210(3):478-486. Ref. Mar. 1966. 447.8 Am3
R. N. Taub, A. A. Liebow, and A. C. Aperia, joint authors.
- 47516 SADHU, D. P., and BHATNAGAR, S. P. Measurement of oxygen consumption in goats under resting and basal conditions. *Indian J. Exp. Biol.* 3(4):263-265. Oct. 1965. 44.2 In2
- 47517 SCARDOVI, V. Studies in rumen bacteriology. II-IV. *Ann. Microbiol. Enzimol.* 14(4/6):163-198. Ref. 1964. 44.3 An73
Isolated from sheep rumen.
- 47518 SCHALK, C. Oestrus synchronization in sheep. (Du) *Tijdschr. Diergeneesk.* 91(2):96-106. Ref. Jan. 15, 1966. 41.8 T431
English summary.
- 47519 SCHIRWITZ, G., and JANKOWSKI, L. "Sheep cradle"—a modern experiment in hoof care. (Ge) *Tierzucht* 20(1):29-31. Jan. 1966. 49 T443
- 47520 SCOTT, D. The effects of sodium depletion and potassium supplements upon electrical potentials in the rumen of the sheep. *Quart. J. Exp. Physiol. Cog. Med. Sci.* 51(1):60-69. Ref. Jan. 1966. 447.8 Q1
- 47521 SCOTT, D. Factors influencing the secretion and absorption of calcium and magnesium in the small intestine of the sheep. *Quart. J. Exp. Physiol. Cog. Med. Sci.* 50(3):312-329. Ref. July 1965. 447.8 Q1

- 47522 SOUTHCOFF, W. H. Epidemiology and control of ovine posthitis and vulvitis. Australian Vet. J. 41(8):225-234. Ref. Aug.1965. 41.8 Au72
- 47523 STORZ, J., and THORNLEY, W. R. Serological and aetiological studies on sheep with intestinal psittacosis-lymphogranuloma infection. (Ge) Zentralbl. Veterinarmed. Reihe B, 13(1):14-24. Ref. Feb.1966. 41.8 Z52
English summary.
- 47524 TAGLE, I. Survey of gastro-intestinal nematodes of sheep and cattle (using the Whitlock method). (Sp) Bol. Chileno Parasitol. 20(1):16-18. Jan./Mar.1965. 436.9 C43
- 47525 THORMAR, H., GISLASON, G., and HELGADOTTIR, H. A survey of neutralizing antibodies against maedi virus in sera from flocks of sheep affected with maedi and from healthy flocks. J. Infect. Dis. 116(1):41-47. Feb.1966. 448.8 J821
- 47526 TVERSKOI, G. B. Role of residual milk in secretory activity of mammary gland. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:38-41. Ref. Jan.1966. 20 V633
English summary.
Goat.
- 47527 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. A new turn in scrapie eradication. U. S. Agr. Res. Serv. ARS-22-94, 5 p. Sept.1965. A31.3 R31A
Animal Diseases and Parasite Research Division, cooperating.
Sheep and goats.
- 47528 VAN HOUWELING, C. D. Susceptibility of goats to infectious bovine rhinotracheitis. Cornell Vet. 56(1):38-41. Jan.1966. 41.8 C81
- 47529 WELLS, L. P. Study of weather essential on farm; rainfall records and grass minimum temperatures. New Zeal. J. Agr. 112(1):59,61. Jan.1966. 23 N48J
Especially importance in outbreaks of facial eczema.
- 47530 ZHEREBTSOV, P. I., VRKIN, V. F., and POLISHCHUK, S. D. Formation of isolated portion from both dorsal and ventral pouches of rumen. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 52(1):108-110. Jan.1966. 444.8 F58
English summary.
Surgery of goat rumen to study its physiological functions.
- 47531 ZIOLECKI, A., and WOJCIECHOWICZ, M. Research on the pectinolytic activity of rumen contents. (Ge) Arch. Tierernahr. 15(6):417-427. Ref. Dec.1965. 389.78 Ar22
English summary.
Tests with sheep.

Miscellaneous

- 47532 ENZ, J. Sheep raising and breeding with special reference to conditions in Appenzell. (Ge) Grune 93(30):1066-1071. July 23,1965. 17 Sch9
- 47533 HUTCHINSON, J. C. D. Photoperiodic control of the annual rhythm of wool growth. In Lyne, A. G., and Short, B. J., ed. Biology of the skin and hair growth, p.565-573. Ref. 1965. QP88.5.L9
- 47534 NATIONAL WOOL GROWERS ASSOCIATION. 1966 platform and program. Portland, 1966. 9 p. 45.9 N211R
- 47535 NATIONAL WOOL GROWERS ASSOCIATION. NWG's 101st annual convention. Nat. Wool Grower 56(2):9-21;(3):16-21,24-25,28-29,32. Feb.-Mar.1966. 45.8 N21N
Highlights, 1966 platform and program, address of the president, G. K. Hislop, addresses on public land use by H. R. Anderson, and W. N. Aspinall, and addresses on predator control by J. S. Gottschalk, and J. H. Berryman.
- 47536 NICA, T., DERMENGI, B., and STEFANESCU, C. Cresterea oilor [Sheep raising]. Ed. 2. Bucuresti, Editura Agro-Silvica, 1965. 435 p., map. Ref. SF375.5.R8N5
Material on breeds and breeding, p.186-365.

- 47537 ROBERTS, L. In-wintering ewes in-lamb. Farmbuildings 7:37,39,41. Summer 1965. 296.8 F224
Great Britain.
- 47538 SJODIN, E. The technique can be improved. (Sw) Farskotsel 45(8):250-254. 1965. 45.9 Sv2
Chiefly care and feeding of lambs.
Discussion p.254-260.
- 47539 WEATHERING in wool. 2. Wool Sci. Rev. 28:12-21. Ref. Nov.1965. 304.8 W887
On sheep.
- 47540 WILSON, G. R. Cash losses may result from acquired wool faults. 2. New Zeal. J. Agr. 112(1):34-35,37,39,41. Jan.1966. 23 N48J

SWINE

Breeds and Breeding

- 47541 BOWMAN, G. H. Crossbreeding! what system? what breeds? Hog Prod. 1(3):16. May 1965. 46.8 H675
- 47542 FREDERICH, W. Combination of characteristics in German Edelschwein for the development of improved lines. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:163-172. 1965. 18 D4825T
English summary.
- 47543 HAUNER, F. Swine breeding work in the CSSR. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:211-213. 1965. 18 D4825T
English summary.
- 47544 HOFMANN, F. Efficiency tests on young boars. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:231-249. Ref. 1965. 18 D4825T
English summary.
Breeding and carcass value.
- 47545 JÜSSIAUX, M. Where we are in regard to artificial insemination in swine. (Fr) Avenir Agr. 6:27-30. Nov./Dec.1965. 14 Av32
- 47546 MCPHEE, C. P. Growth of the pedigree Large White pig population in Australia. Queensland J. Agr. Anim. Sci. 22(2):137-147, map. June 1965. 23 Q37
- 47547 MELROSE, D. R. A review of progress and of possible developments in artificial insemination of pigs. Vet. Rec. 78(5):159-168. Ref. Jan.29,1966. 41.8 V641
- 47548 OVSIANNIKOV, A. I. Results and prospects of research on heterosis and practical crossbreeding in swine in the U.S.S.R. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:215-228. 1965. 18 D4825T
English summary.
- 47549 RASMUSSEN, G. State of swine breeding 1965. (Da) Landbonyt 19(10):356-363. Oct.1965. 11 L2322
- 47550 SALEHAR, A. Mating of sows after the weaning. (Se) Stocarstvo 19(1/2):70-72. Jan./Feb. 1965. 43.8 St6
- 47551 SCHREMMER, H. Organization of swine breeding on large production units. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:195-209. 1965. 18 D4825T
English summary.
- 47552 SCHUMM, H. R. Situation and outlook of line breeding in swine. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:147-161. Ref. 1965. 18 D4825T
English summary.
- 47553 SIMUNIC, B., and CERNE, F. Experiences and problems of the artificial insemination of swine. (Se) Stocarstvo 19(1/2):62-69. Jan./Feb.1965. 43.8 St6
English summary.

Feeds and Feeding

- 47554 ALEXANDROWICZ, S., and others. Sterilization of skim milk for the bacon pig with formalin. (Pol) *Med. Weter.* 21(8):495-497. Ref. Aug. 1965. 41.8 M463
J. Domanski, W. Maruniewicz, and J. Osinski, joint authors.
- 47555 BABIN, YA. A., and SMIRNOV, A. P. Effects of thiamine in feed on weight of swine. (Rus) *Khim. Sel'skom Khoz.* 4(1):55-56. Jan. 1966. 385 K524
- 47556 CALEFFI, A. The feeding of swine at cheese factories; results of tests. (It) *Bull. Agr. [Milano]* 100(4):1-2. Feb. 28, 1966. 16 B87
With whey.
- 47557 CHISHKO, V. Intercollective farm feedlot for swine. (Rus) *Tekh. Sel'skom Khoz.* 2:30-34. Feb. 1966. 58.8 M11
- 47558 EBERHARDT, W. Swine feeding with feed supplements. (Ge) *Tierzuchter* 18(4):104-105. Feb. 20, 1966. 49 T445
- 47559 FLORENCE, W. G. S. The influence of varying proportions of plant and animal protein supplements on the growth of porkers. *So. Afr. J. Agr. Sci.* 8(3):661-672. Ref. Sept. 1965. 24 Su3
Sweet yellow lupin seed meal and white fish meal.
- 47560 GLAWISCHNIG, E. Problems of piglet rearing. (Ge) *Wien. Tierarztl. Monatsschr.* 52(10):912-919. (Cont.) Oct. 1965. 41.8 T345
Chiefly on feeding deficiencies.
- 47561 HEENEY, M. W., BLACKBURN, T., and GOEKEN, M. Comparing grains for swine. *Colo. Farm Home Res.* 16(4):12. Jan./Feb. 1966. 100 C712Co
- 47562 KROENING, G. H. Wheat versus barley for growing and fattening swine. *Wash. Anim. Nutr. Conf. Proc.*, 18th Conf.:3-7. 1965. 389.79 W94
- 47563 LOUGNON, J. The B vitamins in the feeding of swine. (Fr) *Rev. Elevage* 20(spec.no.38):121-122, 125-126, 129. 1965. 49 B462
- 47564 MASSOT. Swine feeding. (Fr) *Rev. Elevage* 20(12):93-94, 97-98, 101. Dec. 1965. 49 B462
- 47565 MENTLER, L. Up-to-date preservation and utilization of lucerne protein. (Hu) *Iregszemecse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet Kozlemenyek* 5(1):116-122. 1965. 105.9 Ir2
English summary.
Swine feeding.
- 47566 NORRISH, G. What is the right system to feed market hogs? *Hog Prod.* 1(3):11. May 1965. 46.8 H675
- 47567 PEO, E. R. Current problems in swine nutrition. *M. S. (Mich. State) Univ. Vet.* 26(1):10-13. Fall 1965. 41.8 M582
- 47568 PFEIFFER, H. Use of dried potato chips in swine feeding. (Ge) *Deut. Landwirt.* 17(1):37-40. Jan. 1966. 18 D4822
- 47569 PICCIONI, M. Whey—its uses and its limitations. (It) *Avicoltura* 34(11):73-76. Nov. 1965. 47.8 R523
French summary, p. 69.
Feed for swine and poultry.
- 47570 RUBACH, G., and HILDEBRANDT, W. Liquid mixed feed from industrial wastes in swine and poultry nutrition. (Ge) *Tierzucht* 19(12):647-651. Dec. 1965. 49 T443
- 47571 TODD, A. C. E. Using more copper in feed for growing pigs. *Queensland Agr. J.* 91(12):715-717. Dec. 1965. 23 Q33
- 47572 WEANING baby pigs. (Fr) *Rev. Elevage* 20(12):81-82, 85-86, 89, 91. Dec. 1965. 49 B462
Highlights of addresses given at sessions held by the Association Francaise de Zootechnie.
- 47573 WILDE, R. DE, and VANSCHOUBROEK, F. Influence of specially treated yeast on weight increase, feed conversion and carcass quality of fattening swine. (Fl) *Vlaams Diergenessk. Tijdschr.* 34(3):118-123. Mar. 1965. 41.8 V84
English summary.
- 47574 WINZENRIED, H. U. Iron provision for piglets. (Ge) *Schweiz. Arch. Tierheilk.* 107(12):675-684. Ref. Dec. 1965. 41.8 Sch9
English summary.
- 47575 WOHLBIER, W. Minor elements in the feeding of swine. (Fr) *Rev. Elevage* 20(spec.no.38):57-58, 61-62, 65. 1965. 49 B462
- 47576 YOUNG, L. High moisture corn. *Hog Prod.* 1(3):18-19. May 1965. 46.8 H675
Swine feeding in Canada.

Veterinary Medicine

- 47577 AGRELL, I., and KJELLBERG, B. Comparative analysis of the isozyme pattern of dehydrogenases. *Compar Biochem. Physiol.* 16(4):515-521. Ref. Dec. 1965. 444.8 C73
Includes swine, pigeons, and *Calliphora erythrocephala*.
- 47578 ANDERSON, L. L., RATHMACHER, R. P., and MELAMPY, R. M. The uterus and unilateral regression of corpora lutea in the pig. *Amer. J. Physiol.* 210(3):611-614. Ref. Mar. 1966. 447.8 Am3
- 47579 ARGENTINA. INSTITUTO DE PATOLOGIA ANIMAL. Parasitosis porcinas; encuesta efectuada en las zonas de Venado Tuerto, Rojas, Salto, Pergamino, Bolivar y Junin [Porcine parasitoses; investigation in the zones of Venado Tuerto, Rojas, Salto, Pergamino, Bolivar and Junin]. *Rev. Invest. Agropecuar. Ser. 4, Patol. Anim.* 2(3):47-51. 1965. 41.8 R3227
English summary.
- 47580 ARPI, T., and TOLLERZ, G. Iron poisoning in piglets; autopsy findings in experimental and spontaneous cases. *Acta Vet. Scand.* 6(4):360-373. Ref. 1965. 41.8 Ac87
- 47581 ASSO, J., AYNAUD, J. M., and PLART, M. F. Studies on mutants of foot-and-mouth disease virus obtained by means of cultivation at low temperature selection of strains non-pathogenic in swine. (Fr) *Inst. Pasteur. Ann.* 110(2):233-243. Ref. Feb. 1966. 448.3 An75
English summary.
- 47582 BALCONI, I. R., and LECCE, J. G. Intestinal absorption of homologous lactic dehydrogenase isoenzymes by the neonatal pig. *J. Nutr.* 88(2):233-238. Ref. Feb. 1966. 389.8 J82
- 47583 BARDOS, V., CUPKOVA, E., and JAKUBIK, J. Determination of Tahyna virus concentration threshold producing viraemia in sucking pigs. *Acta Virol.* 10(1):55-61. Ref. Jan. 1966. 448.3 Ac85
- 47584 BARTH, R. Immunological and diagnostic problems in swine fever. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(4):64-69. Ref. Feb. 15, 1966. 41.8 B45
English summary.
Includes vaccine tests.
- 47585 BAYNES, I. D. Oedema disease of pigs. *Queensland Agr. J.* 91(12):758-760. Dec. 1965. 23 Q33
- 47586 BERG, R. Zur Morphologie der Koronargefasse des Schweines unter besonderer Berucksichtigung ihres Verhaltens zum Myokard. [Morphology of coronary arteries of swine with special emphasis on their relations to myocardium]. *Arch. Exp. Veterinarmed.* 19(5):1145-1307. Ref. 1965. 41.8 Ex7
- 47587 BODON, L. Contamination of various hog cholera virus strains with adenoviruses or virus diarrhoea virus; preliminary report. *Acta Vet. [Budapest]* 15(4):471-472. 1965. 41.8 Ac83

- 47588 BODWELL, C. E., and others. Post-mortem changes in muscle. II. Chemical and physical changes in pork. *J. Food Sci.* 31(1):1-12. Ref. Jan./Feb.1966. 389.8 F7322
A. M. Pearson, J. Wismer-Pedersen, and L. J. Bratzler, joint authors.
- 47589 BOND, T. E., HEITMAN, H., and KELLY, C. F. Effects of increased air velocities on heat and moisture loss and growth of swine. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):167-169.174. 1965. 290.9 Am321
- 47590 BOURNE, F. J., and KERRY, J. B. Clostridium oedematiens associated with sudden death in the pig. *Vet. Rec.* 77(49):1463-1464. Dec.4, 1965. 41.8 V641
- 47591 BRANDES, H. Is a bacteriological meat inspection necessary for swine erysipelas and swine pest? (Ge) *Arch. Lebensmittelhyg.* 16(12):273-274. Dec.1965. 41.8 L49
- 47592 BUGEAC, T., BERBINSCHI, C., and DUMITRESCU, A. A contribution to the study of the infectious atrophic rhinitis of swine. (Rum) *Rev. Zooteh. Med. Vet.* 15(9):54-58. Ref. Sept.1965. 49 P943
English summary.
Treatment with streptomycin.
- 47593 BUHATEL, T. Aspects of the *Metastrongylus* of swine in the Dej district, Cluj region. (Rum) *Rev. Zooteh. Med. Vet.* 15(9):59-64. Sept.1965. 49 P943
English summary.
- 47594 BUTCHBAKER, A. F., and SHANKLIN, M. D. Development of homeothermic regulation in young pigs. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):481-485. Ref. 1965. 290.9 Am321
- 47595 CASTAGNOLI, B. Considerations on the control of African swine fever. (It) *Zooprofilassi* 20(10):556-561. Oct.1965. 41.8 Z72
English summary, p.575.
- 47596 CRIMMINS, L. T., and SIKES, D. The pathological changes in synovial fluid in arthritic swine. *Can. J. Comp. Med. Vet. Sci.* 29(12):312-316. Ref. Dec.1965. 41.8 C162
- 47597 CRISTEA, I., SECASIU, V., and CERNI, I. Clinical and laboratory study on a pararickettsiosis focus (miyagawanellosis) in suckling piglets. (Rum) *Rev. Zooteh. Med. Vet.* 15(11):68-74. Ref. Nov.1965. 49 P943
English summary.
- 47598 CSONTOS, L. The virus content of organs of pigs succumbed to Aujeszky's disease and the suitability of them for the diagnosis of the disease. (Hu) *Magyar Allatorv. Lapja* 20(12):542-543. Dec.1965. 41.8 V644
English summary.
- 47599 DAVENPORT, P. G. External stresses an important factor in salmonellosis in pigs. *New Zeal. J. Agr.* 112(1):44-45.47. Jan.1966. 23 N48J
- 47600 DUBROVSKY, A. V. On the mechanism of intravaginal hernia development in boars and its prophylaxis. (Rus) *Veterinariya* 12:59-60. Dec.1965. 41.8 V6426
Development in the embryo of this hereditary defect.
- 47601 DVORAK, M. The relation between a decreased resistance of anemic piglings and the forming of antibodies. (Cz) *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:59-68. Ref. 1965. 41.9 B833
English summary.
- 47602 EBERMANN, R., and HAIGER, A. Starch gel electrophoresis of the blood serum of swine. (Ge) *Bodenkultur* 16(4):356-359. Nov.1965. 19 B635
English summary.
- 47603 EK, N. Rhinitis of swine. (No) *Norsk Landbruk* 17:10-11. Aug.27,1965. 11 N8122
- 47604 FENNESTAD, K. L., and BORG-PETERSEN, C. Experimental leptospirosis in pregnant sows. *J. Infect. Dis.* 116(1):57-66. Ref. Feb. 1966. 448.8 J821
- 47605 FICHANDLER, P. D., and OSBORNE, A. D. Bovine tuberculosis in swine. *Amer. Vet. Med. Ass. J.* 148(2):167-169. Jan.15,1966. 41.8 Am3
- 47606 FORREST, J. C., and others. Prediction of the time course of rigor mortis through response of muscle tissue to electrical stimulation. *J. Food Sci.* 31(1):13-21. Ref. Jan./Feb.1966. 389.8 F7322
M. D. Judge, J. D. Sink, W. G. Hoekstra, and E. J. Briskey, joint authors.
In swine.
- 47607 FUROWICZ, A. The determination of decarboxylase and deaminase of amino acids of strains of *Escherichia coli* hemolytica isolated from cases of coli enterotoxemia of piglets. (Pol) *Med. Weter.* 21(7):412-413. July 1965. 41.8 M463
- 47608 GIESEN, J. From the Animal Veterinary Service in North Brabant. (Du) *Doelmatige Veehouderij* 14(4):71-76. Aug.1965. 49 D67
Chiefly swine diseases.
- 47609 GORET, P. Swine brucellosis is not a myth. (Fr) *Rev. Elevage* 21(1):84-85. Jan.1966. 49 B462
In France.
- 47610 GOTINK, W. M. Diseases on large swine farms. (Du) *Doelmatige Veehouderij* 14(4):77-79. Aug.1965. 49 D67
- 47611 HARDING, J. D. J. A cerebrospinal angio-pathy in pigs. *Pathol. Vet.* 3(1):83-88. 1966. 41.8 P27
- 47612 HEAP, P. A. Swine paratyphoid—a widespread disease. *S. Australia J. Agr.* 69(6):227-228. Jan.1966. 23 So84
- 47613 HERTZ-LUKANSKA, F. Alfa-amylase in swine blood. (Pol) *Med. Weter.* 21(7):427-429. Ref. July 1965. 41.8 M463
English summary.
- 47614 HOLKE, R., and HOLKE, E. Studies on limit of suitable finishing weight. (Ge) *Tierzucht* 20(2):82-85. Feb.1966. 49 T443
In relation to fattening costs in swine.
- 47615 HOORENS, J., and others. Stomach ulcers of slaughter swine. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(3):112-117. Ref. Mar.1965. 41.8 V84
J. Thoonen, G. Cloet, P. Neven, and J. P. Van Coillie, joint authors.
English summary.
- 47616 ISAKOV, M. Successful method of the production of new healthy litter of swine from the herd infected with brucellosis. (Se) *Vetserum* 13(3/4):138-141. Apr.1965. 41.8 V6459
- 47617 JUNG, H. Protein deposits of growing swine of different types and sex. (Ge) *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 70:187-194. 1965. 18 D4825T
English summary.
Nitrogen deposit.
- 47618 KAWKA, B. Symptoms and treatment of edema disease. (Pol) *Med. Weter.* 21(6):365-366. June 1965. 41.8 M463
- 47619 KENWORTHY, R., and CRABB, W. E. The effect of neomycin sulphate upon the intestinal flora of the young pig, with special reference to *Escherichia coli*. *Vet. Rec.* 77(50):1504-1506. Dec.11,1965. 41.8 V641
- 47620 KHRISTOV, S. Serological classification of swine enteroviruses. *Zentralbl. Veterinar-med. Reihe B*, 13(1):31-36. Ref. Feb.1966. 41.8 Z52
Neutralization test.
- 47621 KLENINA, N. V., and others. Production and application of gamma-globulin in the case of pig dyspepsia. (Rus) *Veterinariya* 1:55-57. Jan.1966. 41.8 V6426
Yu. M. Markov, V. S. Antonov, and N. V. Chernyi, joint authors.

- 47622 KOVACS, J., and others. The valuation of ferro-oxalate and ferro-fumarate in the prevention of piglet anaemia. (Hu) Magyar Allatorv. Lapja 20(12):536-540. Ref. Dec.1965. 41.8 V644
I. Balintffy, Mrs. H. Schink, and F. Simon, joint authors.
English summary.
- 47623 KRETZSCHMAR, C., and DANNENBERG, H. D. Opinion expressed on the article "Atrophic rhinitis of swine." (Ge) Tierzucht 20(2):89-90. Feb.1966. 49 T443
Written by W. Block.
- 47624 KUBIN, G. Control of the stability of a modified virus given in testicular cell culture. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(6):512-516. Nov.1965. 41.8 Z52
English summary.
Hog cholera.
- 47625 KUBIN, G. Isolation and characterization of an enterovirus of swine. (Ge) Wien. Tierarztl. Monatsschr. 52(7):675-685. Ref. July 1965. 41.8 T345
English summary.
- 47626 KUPPELMAYR, E., and SEIFERT, H. Contribution to rhinitis atrophicans suum. (Ge) Tierzucht 19(12):638-641. Ref. Dec.1965. 49 T443
- 47627 L'ECUYER, C. Exudative epidermitis in pigs: clinical studies and preliminary transmission trials. Can. J. Comp. Med. Vet. Sci. 30(1):9-16. Ref. Jan.1966. 41.8 C162
In baby pigs in Canada.
- 47628 LOCKE, R. D. Control of pig diseases by hysterectomy. Vet. Rec. 77(46):1381. Nov.13, 1965. 41.8 V641
- 47629 MELROSE, D. R. Preventive methods in pig farming. Vet. Rec. 77(46):1350-1370. Ref. Nov.13,1965. 41.8 V641
Disease prevention in Great Britain.
Includes discussion.
- 47630 MESZAROS, J., and PESTI, L. Studies on the pathogenesis of gastroenteritis in swine. Acta Vet. [Budapest] 15(4):465-470. 1965. 41.8 Ac83
- 47631 MEYER, R. C., WOODS, G. T., and SIMON, J. An experimental viral pneumonia in swine. Can. J. Comp. Med. Vet. Sci. 30(2):40-41. Feb. 1966. 41.8 C162
- 47632 MIERZEJEWSKI, J. Free amino acids in the serum of pig infected with hog cholera virus. (Pol) Med. Weter. 21(8):479-482. Ref. Aug. 1965. 41.8 M463
- 47633 MOUNT, L. E. The effect of wind-speed on heat production in the new-born pig. Quart. J. Exp. Physiol. Cog. Med. Sci. 51(1):18-26. Ref. Jan.1966. 447.8 Q1
For the study of respiratory metabolism.
- 47634 MULHERN, F. J. The economic importance of the danger of classical swine pest combined with African swine pest. (It) Zooprofilassi 20(10):551-555. Oct.1965. 41.8 Z72
English summary, p.575.
- 47635 NAMIOKA, S., and others. Comparative studies on behavior of intestinal flora between suckling piglets and early-weaned piglets fed commercialized artificial milk and piglets fed milk containing less protein. (Ja) Jap. J. Vet. Sci. 27(4):221-231. Ref. Aug.1965. 41.8 J27
M. Murata, H. Osada, T. Ishizawa, and R. Kuro-Oka, joint authors.
English summary.
- 47636 NELYUBIN, V. P. Pathomorphologic changes in lymphatics in tuberculosis of swine. (Rus) Veterinariya 1:97-99. Jan.1966. 41.8 V6426
- 47637 NIE, C. J. VAN. Two rare congenital heart defects in pigs. (Du) Tijdschr. Diergeneesk. 91(2):89-95. Jan.15,1966. 41.8 T431
English summary.
- 47638 NODA, R., and others. Anthelmintic effect of methyridine on swine. I. Basic experiment. (Ja) Jap. Vet. Med. Ass. J. 18(7):7-12. 1965. 41.9 J275
S. Noda, M. Horie, M. Nomura, T. Onishi, and K. Yamamori, joint authors.
English summary.
- 47639 NOWOTNY, F. Abscess caused by deviated tooth in the nasal fossa of a swine. (Ge) Wien. Tierarztl. Monatsschr. 52(9):867-870. Ref. Sept.1965. 41.8 T345
English summary.
- 47640 O'DONOGHUE, J. G., and BALLANTYNE, E. E. Observations on a swine herd health program. Can. J. Comp. Med. Vet. Sci. 29(12):317-323. Ref. Dec.1965. 41.8 C162
- 47641 OGIELSKI, L., and KOZAR, Z. Theoretical and practical premises connected with the examination of pig meat for trichinosis. (Pol) Med. Weter. 21(6):334-337, map. June 1965. 41.8 M463
- 47642 OLANDER, H. J., and others. Pathologic findings in swine affected with a virulent strain of Aujeszky's virus. Pathol. Vet. 3(1):64-82. Ref. 1966. 41.8 P27
J. R. Saunders, D. P. Gustafson, and R. K. Jones, joint author.
- 47643 OZAWA, H., and SATO, M. Studies on the oxidative phosphorylation in mitochondria from swine lung worms, *Metastrongylus elongatus*, preparation of mitochondria and their characteristics. (Ja) Jap. J. Parasitol. 14(6):1-7. Ref. Dec.1965. 436.8 J27
English summary.
- 47644 PASHOV, T. V., and SKATCHKOVA, M. I. The results and prospects of swine infectious atrophic rhinitis eradication. (Rus) Veterinariya 12:31-34. Dec.1965. 41.8 V6426
In USSR.
- 47645 PROKOPENKO, A. A., and YAROV, I. I. The use of minor-elements for prophylaxis and therapy of pig anemia. (Rus) Veterinariya 1: 57-59. Jan.1966. 41.8 V6426
- 47646 QUAI, V. Aspects of the resistance of bacteria to antibiotics in the case of swine pasteurellosis under conditions of production. (Rum) Rev. Zootech. Med. Vet. 15(10):57-67. Oct. 1965. 49 P943
English summary.
- 47647 RASCH, D. On the optimal selection of measuring periods for analysis of growth stages. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:251-258. 1965. 18 D4825T
English summary.
Swine.
- 47648 RAULIN, J., and others. Preferential character of the hydrolysis of reserve triglycerides incubated in the presence of adrenaline in different media: serum or albumin-containing tampon; recent research on swine. (Fr) Soc. Chim. Biol. Bull. 47(11):2171-2174. 1965. 383 Sol
M. Launay, G. Coudert, and A. Rerat, joint authors.
- 47649 REMBOLD, F. The ulcero-gastrorrhagia syndrome in swine. (Ge) Wien. Tierarztl. Monatsschr. 52(9):851-857. Ref. Sept.1965. 41.8 T345
English summary.
- 47650 RIGOR, E. M. The relationship of age at puberty and second heat ovulation rate with birth weight and weaning weight. Philippine Agr. 48(10):415-421. Ref. Mar.1965. 25 P542
Swine.
- 47651 ROBERTSON, A., and others. Hog cholera. V. Demonstration of the antigen in swine tissues by the fluorescent antibody technique. Can. J. Comp. Med. Vet. Sci. 29(12):299-305. Dec. 1965. 41.8 C162
G. L. Bannister, P. Boulanger, M. Appel, and D. P. Gray, joint authors.

- 47652 RODRIGUEZ LOUSTAU, J. A. Immunization against porcine brucellosis. (Sp) Rev. Med. Vet. [Buenos Aires] 46(4):289-296. Ref. July/Aug.1965. 41.8 B86
English summary.
- 47653 ROWSON, L. E. A. Endotracheal intubation in the pig. Vet. Rec. 77(49):1465. Dec.4,1965. 41.8 V641
- 47654 RYSANEK, D., MACH, P., and SCHLEE, G. Individual collection of urine of sucking pigs. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4: 223-226. Ref. 1965. 41.9 B833
English summary.
- 47655 SAUNDERS, C. N., GIBSON, E. A., and STEVENS, A. J. Transmissible gastro-enteritis of pigs. Vet. Rec. 77(51):1569-1570. Dec.18, 1965. 41.8 V641
- 47656 SEWELL, R. F., and MILLER, I. L. Fatty acid composition of testicular tissue from EFA-deficient swine. J. Nutr. 88(2):171-175. Feb. 1966. 389.8 J82
Essential fatty acids deficiency.
- 47657 STIRM, S., ORSKOV, I., and ORSKOV, F. K88, an episome-determined protein antigen of *Escherichia coli*. Nature [London] 209(5022): 507-508. Ref. Jan.29,1966. 472 N21
Enteritis in pigs.
- 47658 STOCKL, W., WEISER, M., and TRAFJER, K. Determination of blood sulfonamide content in weaned piglets following peroral administration of sulfachloropyridazine. (Ge) Wien. Tierarztl. Monatsschr. 52(9):817-828. Sept. 1965. 41.8 T345
English summary.
- 47659 STONE, S. S., and HESS, W. R. Separation of virus and soluble noninfectious antigens in African swine fever virus by isoelectric precipitation. Virology 26(4):622-629. Ref. Aug. 1965. 448.8 V81
- 47660 SYNOWIEDZKI, Z., and TEKLINSKA, M. The preparation "Bioferron" and its effect on the level of hemoglobin and increase on live weight of piglets. (Pol) Med. Weter. 21(7):397-400. Ref. July 1965. 41.8 M463
English summary.
- 47661 TALOS, V., TILLSCHNEIDER, I., and WEBER, I. Contributions to the treatment of iron deficiency anemia in piglets. (Rum) Rev. Zootech. Med. Vet. 15(11):61-67. Ref. Nov.1965. 49 P943
English summary.
- 47662 TANNER, S. C. Swine dysentery. Hog Prod. 1(3):10-11. May 1965. 46.8 H675
Prevention.
- 47663 TRAN-VAN-DU, and HUARD, M. Diagnosis of hog cholera and titration of the virus by the hemagglutination test. (Fr) Rec. Med. Vet. 161(12):1209-1220. Dec.1965. 41.8 R24
English summary.
- 47664 TRUSZCZYNSKI, M., CIOSEK, D., and TERESZCZUK, S. Serotypes of coli-bacteria isolated from cases of coli-bacteriosis and edema disease of swine in Poland. (Pol) Med. Weter. 21(10):584-589. Ref. Oct.1965. 41.8 M463
- 47665 UCHIDA, K., and others. Studies of the intestinal flora of pigs. I. The fecal bacterial flora of the healthy pig. (Ja) Jap. J. Vet. Sci. 27(4): 215-220. Ref. Aug.1965. 41.8 J27
K. Kataoka, T. Mitsuoka, T. Shinjo, and M. Ogata, joint authors.
English summary.
- 47666 URECHE, L. Investigation on therapeutic efficiency of corticosteroids in sow agalactia. (Rum) Rev. Zootech. Med. Vet. 15(11):55-60. Ref. Nov.1965. 49 P943
English summary.
- 47667 VERDES, N. Contribution to the study of the so-called syndrome of "edema disease." (Rum) Rev. Zootech. Med. Vet. 15(11):45-54. Ref. Nov.1965. 49 P943
English summary.
- 47668 WERNER-TUTSCHKU, V. Uterine prolapse treatment of swine in the field practice. (Ge) Wien. Tierarztl. Monatsschr. 52(10):885-895. Ref. Oct.1965. 41.8 T345
English summary.
Surgical.

Miscellaneous

- 47669 BERGSOE, S. Practical experiences in swine production and reflections on closer Danish-Swedish cooperation. (Da) Tolvmandsbladet 37 (9):449-455. Sept.1965. 11 T58
- 47670 BIHALY, A. Evolution of the pig-stock in Hungary between the two wars and after the liberation, with special regard to the yearly fluctuation. (Hu) Husipar 15(1):1-4. Jan./Feb.1966. 50.8 H95
English summary.
- 47671 ECKHOFF, G. Swine cooperatives in West Germany. (Du) Veeteelt Zuivelber. 8(4):188-192. Apr.1965. 49 V51
- 47672 GAEDE, E. A. Production of market-directed swine—no witchcraft. (Ge) Übersicht 17(2): 134-136,138. Feb.12,1966. 18 Ub3
Breeding, feeding, and care.
- 47673 GERMANY (FEDERAL REPUBLIC). LAND-UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS- UND INFORMATIONSDIENST. Ergebnisse der Schweine- Zucht- und Mastleistungsprüfungen [Results of swine breeding and fattening performance trials] 1964, edited by H. Eckhoff. Bad Godesberg, 1965. 90 p.,map. 46.9 G31
- 47674 HANSEN, G., and JEBAUTZKE, W. Innovations from Old England. III. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 136:23-28. Jan.15. 1966. 281.8 B462
Swine raising.
- 47675 HEENEY, M. W. Colorado's swine testing program. Colo. Farm Home Res. 16(4):4. Jan./Feb.1966. 100 C712Co
- 47676 HOFMANN, P. Cost-saving raising of swine for breeding purposes and swine care. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.2):74-84. 1965. 18 L24
- 47677 HUGH, W. I. Management and feeding of sow and litter. Hawaii. Univ. Ext. Circ. 412,24 p. Sept.1965. 275.29 H312Ac
- 47678 LENCSEPETI, J., and VAGVOLGYI, O. Examinations for the modification of the bacon-pig norm. (Hu) Husipar 15(1):20-26. Jan./Feb. 1966. 50.8 H95
English summary.
- 47679 LUTZ, D. B. Swine field day audience surveyed. ACE (Amer. Ass. Agr. Coll. Editors) 48(3): 6. Nov./Dec.1965. 238 Am33A
- 47680 MACHAJ, E. On improvement of slaughter swine as a basis of materials for the meat plant in Mława. (Pol) Gosp. Miesna 17(12):17. Dec.1965. 50.8 G69
- 47681 MOYER, W. A., WENDLING, L. T., and KOCH, B. A. Swine management. Kans. State Univ. Ext. C-356,15 p. Dec.1965. 275.29 K13Ex
- 47682 OYEN, W. H. A. T. VAN. Swine nuclei. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:60-62. 1965. 12 N3833J
Type of producer association with a special adviser.
- 47683 SCHREMMER, H. Ideas for developing and industrial production scheme in swine production. (Ge) Tierzucht 20(2):77-80. Feb.1966. 49 T443
- 47684 SIEGL, O., and others. Feeder supply for fattening and slaughter animal in Karl-Marx-Stadt and Jena-Lobeda and final requisitions for the further development of cooperation relations. (Ge) Tierzucht 20(2):85-89. Feb. 1966. 49 T443
R. Holke, Knoth, and Sackmann, joint authors. Swine.

47685 STEINEGGER, P. New ways in the promotion of swine raising. (Ge) Grune 93(25):879-916. June 18, 1965. 17 Sch9 Switzerland.

47686 VLEEMING, H. J. Important aspects of a closer and more direct contact between swine breeders, swine propagators and swine fatteners. (Du) Doelmatige Veehouderij 5:94-98. Oct. 1965. 49 D67

47687 WALKER, G. Start pigs right for peak profit. Western Farmer 43(8):32, 34. Feb. 1966. 47.8 W27

ENTOMOLOGY

GENERAL

- 47688 BERNICE P. BISHOP MUSEUM. Annual report, 1964. Honolulu, 1965. 90 p. QH1.B4
Includes departments of entomology and botany.
- 47689 HAFFKINS INSTITUTE. Annual report for the years 1962-1964. Bombay, 1965. 75 p. 448.9 H11
Includes report of its Dept. of Entomology.
- 47690 NAMBA, R., CHAROENYING, S., and SOMBAT-SIRI, K. The Kasetsart University entomological collection. Kasetsart J. 5(1):47-51. 1965. 22.5 K153
Thailand.
- 47691 SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY. Proceedings and transactions, 1964. London, 1965. 54 p. 420 So8
- 47692 WASHINGTON STATE UNIVERSITY, EXTENSION SERV. Washington State 4-H Club record; entomology record. Wash. State Univ. Ext. E. M. 2140,2 p. Oct.1965. 275.29 W27Mi

ECONOMIC

General

- 47693 ACHMAD, S. A., and CAVILL, G. W. K. Insect venoms, attractants, and repellents. VII. A stereospecific synthesis of iridodial. Australian J. Chem. 18(12):1989-1996. Ref. Dec. 1965. 475 Au73
- 47694 ADOLPHI, H. Chemosterilants in pest control. (Ge) Z. Angew. Zool. 52(2):133-143. Ref. 1965. 449.8 Z36
Insects.
- 47695 ALBERT, A. Selective toxicity. Australian J. Sci. 28(6):245-247. Dec.1965. 475 Au72
Selective insecticides.
- 47696 ANSARI, J. A., and RIAZ, N. Temperature coefficient of housefly resistance to insecticides. Botyu-Kagaku 30(4):105-108. Nov. 1965. 421 B65
Musca domestica nebulo.
- 47697 BAKER, J. A. F., and SHAW, R. D. Toxaphene and lindane resistance in *Rhipicephalus appendiculatus*, the brown ear tick of equatorial and southern Africa. S. Agr. Vet. Med. Ass. J. 36 (3):321-330. Ref. Sept.1965. 41.8 So8
Cattle pest.
- 47698 BARTHOLF, D. E. Regional insect control, 1964, regional aerial unit. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect. Contr. Proj. Annu. Rep. 1964:23-24. A423.9 R316R
Chemical control of grasshoppers in East Africa.
- 47699 BRAUN, H. Problem of plant protection agent residues. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:83-91. June 1965. 410.9 G31M
Chiefly insecticides.
- 47700 BRENIERE, J. Examples of results obtained in agricultural entomology. (Fr) Agron. Trop. [Paris] 20(10):1041-1043. Oct.1965. 26 Ag86
Applied entomology in Africa and Madagascar.
- 47701 BUCHEL, K. H., GINSBERG, A. E., and FISCHER, R. Cyclodiene insecticides. II-IV. (Ge) Chem. Ber. 99(2):405-430. Feb.1966. 384 B45
Chemistry of heptachlor-methano-tetrahydroindanes, dihydroheptachlor, and chlordane isomers.
- 47702 CAR, K. A., GUSEVA, N. A., and SELEZNEVA, V. P. Toxic effect of insecticides on glycolysis in insects [*Musca domestica* and *Locusta migratoria*]. (Rus) Khim. Sel'skom Khoz. 3(11): 29-32. Ref. Nov.1965. 385 K524

- 47703 CARLSON, C. A. Effects of three organo-phosphorus insecticides on immature *Hexagenia* and *Hydropsyche* of the Upper Mississippi River. Amer. Fish. Soc. Trans. 95(1):1-5. Ref. Jan.1966. 414.9 Am3
Malathion, Dylox and Co-Ral.
- 47704 CASIMIR, M. The locust [*Chortoitices terminifera*] problem, its history and development in New South Wales. Australian Inst. Agr. Sci. J. 31(4):267-274. Ref. Dec.1965. 23 Au74
Includes chemical control.
- 47705 CHOI, S. Y. Study on the resistance of rice stem borer, *Chilo suppressalis* W., to Lebaycid and Sumithion. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:84-90. May 1965. 442.9 So84
English summary.
- 47706 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 27. Technical BHC dusts and water-dispersible powders. FAO Plant Protect. Bull. 12(5):114-116. Oct.1964. 421 P692
- 47707 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 28. Technical DDT solutions, emulsifiable concentrates and emulsions. FAO Plant Protect. Bull. 12(6):131-138. Dec. 1964. 421 P692
- 47708 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 29. Technical BHC solutions, emulsifiable concentrates and emulsions. FAO Plant. Protect. Bull. 13(1):20-21. Feb. 1965. 421 P692
- 47709 DAY, M. F. The use of pathogens in insect control. Australian J. Sci. 28(6):241-243. Ref. Dec.1965. 475 Au72
- 47710 ESSER, H. O., and MULLER, P. W. Metabolism of GS 13005, a new insecticide. Experimentia 22(1):36-38. Jan.15,1966. 475 Ex7
Organic phosphorus insecticide registered under the trade mark of Supracide: O,O-dimethyl-S-[2-methoxy-1,3,4-thiadiazol-5-(4H) onyl-(4) methyl]-dithiophosphate.
- 47711 FISHBEIN, L., and FAWKES, J. The detection and thin-layer chromatography of 3,4-methylenedioxyphenyl- and 3,4-methylenedioxybenzyl carbamates. J. Chromatography 20(3):521-527. Ref. Dec.1965. 475 J824
Insecticides.
- 47712 FISHER, R. C. Insect parasitism and biological control. Sci. Progr. [London] 53(212):567-581. Ref. Oct.1965. 472 Sci22
Hymenoptera.
- 47713 FRITH, H. J. Pesticides and wildlife. Australian J. Sci. 28(6):226-228. Ref. Dec.1965. 475 Au72
- 47714 GALINDO, A. Care with insecticides. (Sp) Cult. Mod. 48(5):172. May 1965. 15 C89
- 47715 GEIER, P. The philosophy of pest control. Australian J. Sci. 28(6):228-230. Dec.1965. 475 Au72
Insect control and ecology.
- 47716 GEORGHIOU, G. P., METCALF, R. L., and ZBORAY, E. P. VON. Toxicity of certain new compounds to insecticide-resistant houseflies. World Health Organ. Bull. 33(4):479-484. Ref. 1965. 449.9 W892B
Musca domestica.
- 47717 HERFS, W. Possibility and limitations of use of *Bacillus thuringiensis* preparations in agricultural practices. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:60-70. Ref. June 1965. 410.9 G31M
English summary.
- 47718 HIGHLIGHTS of the occurrence of insects and other arthropods in Canada, 1965. Can. Insect Pest Rev. 43(4):93-125, map. 1965. 423.92 C16C
Chiefly plant pests.

- 47719 HOCHSTEIN, L. I., and DALTON, B. P. The hydroxylation of nicotine: the origin of the hydroxyl oxygen. *Biochem. Biophys. Res. Commun.* 21(6):644-648. Dec.21,1965. 442.8 B5236
- 47720 HOLLAND, H. T., COPPAGE, D. L., and BUTLER, P. A. Increased sensitivity to pesticides in sheephead minnows. *Amer. Fish. Soc. Trans.* 95(1):110-112. Jan.1966. 414.9 Am3 DDT and Endrin.
- 47721 HURTADO FRANCO, L. Insects versus man. (Sp) *Agr. Trop.* 21(7):371-372. July 1965. 26 Ag8 Control.
- 47722 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. *Lac in India, 1962-63.* Delhi, 1965. 14 p. 306.9 In23
- 47723 JOHNSON, R. S. When the government is your customer. *Aerial Appl.* 4(1):5,13. Jan.1966. 333.8 Ae8 Aircraft used in economic poisons application and pest control.
- 47724 JONES, G. D. G., and WEANING, A. J. S. Water based aerosol insecticides. *Soap Chem. Spec.* 41(12):139-140,142,160-162. Ref. Dec. 1965. 307.8 So12 Formulated with pyrethrum.
- 47725 KAATZ, A. Regional insect control project, 1964, Sudan. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:15-19. A423.9 R316R
- 47726 KAATZ, A. Summary of insect conditions, 1964, Sudan. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect. Contr. Proj. Annu. Rep. 1964:36-43. A423.9 R316R
- 47727 KAGAN, YU. S., and others. On the mechanism of selective toxicity of organic phosphorus insecticides. (Rus) *Khim. Sel'skom Khoz.* 3 (12):22-27. Ref. Dec.1965. 385 K524 N. A. Klisenko, T. N. Pan'shina, and S. A. Roslavl'tseva, joint authors.
- 47728 KENNARD, C. P. Control of leaf-cutting ants (*Atta* spp.) by fogging. *Exp. Agr.* 1(3):237-240. July 1965. 10 Ex72 Chiefly *Atta cephalotes* and *A. laevigata*, pests of cultivated crops, ornamentals and shade trees in British Guiana.
- 47729 KHAN, N. H., and AHMAD, D. Development of BHC-resistance in *Musca domestica* nebulosa and *Musca domestica* vicina. *Angew. Parasitol.* 6(3):150-156. Ref. Aug.1965. 436.8 An4
- 47730 KLETT, W. Integrated and practical plant protection. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:8-13. June 1965. 410.9 G31M Insect control.
- 47731 KONISHI, K. Studies on organic insecticides. I.-V. (Ja) Takeda Chem. Indus. Res. Lab. Annu. Rep. 24:221-249. Ref. Nov.1965. 396.9 T13 English summary.
- 47732 KRIEG, A. On the standardization of *Bacillus thuringiensis* preparations. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:51-55. June 1965. 410.9 G31M To control plant pests.
- 47733 KROLL, U. Pyrethrum, an interesting plant insecticide. (Ge) Gesundheitswesen Desinfekt. 57(9):127-129. Sept.1965. 449.8 Z36P Kenya.
- 47734 KUTHE, K. Winter moth (*Cheimatobia brumata* L.) and web moth (*Hyponomeuta padella* L.) control with *Bacillus thuringiensis* Berliner. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:55-59. June 1965. 410.9 G31M English summary.
- 47735 LASKA, P. A contribution to the ecology and control of *Trioxa apicalis* Forst. (Triozidae, Homoptera). (Cz) *Zool. Listy* 13(4):327-332. Nov.16,1964. 410 Z792 German summary.
- 47736 LEE, C. W., and MILLER, A. W. D. Trials with devices for atomising insecticides by exhaust gases from an aircraft engine. *Agr. Aviation* 8(1):19-22,24. Ref. 1966. 333.8 Ag8
- 47737 LEWIS, T. The effect of shelter on the distribution of insect pests. *Sci. Hort.* 18:74-84. Ref. 1964/65. 84 H78 Includes economic aspects of windbreaks.
- 47738 LIPPMAN, A. E. The constitution of crude O,O-dimethyl- and O,O-diethyldithiophosphoric acids prepared from phosphorus pentasulfide. *J. Org. Chem.* 31(2):471-473. Feb.1966. 381 J827
- 47739 LOMAKINA, V. I., and others. Biological effects of some phosphono-carbonic and phosphoric acid derivatives. (Rus) *Khim. Sel'skom Khoz.* 6:19-24. Ref. June 1965. 385 K524 S. A. Roslavl'tseva, Ya. A. Mandel'baum, and N. N. Mel'nikov, joint authors. On *Sitophilus oryzae* and *Tetranychus urticae*.
- 47740 LOSMATYI, E. S., and MIRONOVA, I. B. Determination of chlororganic insecticide residues in soil. (Rus) *Khim. Sel'skom Khoz.* 4 (1):30-32. Jan.1966. 385 K524 DDT, heptachlor and benzene hexachloride.
- 47741 MACNAY, C. G. Highlights of the occurrence of insects and other arthropods in Canada during 1964. *FAO Plant Protect. Bull.* 13(1):17-19. Feb.1965. 421 P692
- 47742 MACKENZIE, V. G. Air pollution—a new response to an old problem. *Can. J. Public Health* 57(2):65-70. Feb.1966. 449.8 P964 Includes pesticides.
- 47743 MCPHILLIPS, J. J., and COON, J. M. Adaptation to octamethyl pyrophosphoramides in rats. *Toxicol. Appl. Pharmacol.* 8(1):66-76. Ref. Jan.1966. 391.8 T662 Schrader.
- 47744 MEKSONGSEE, B., and GUTHRIE, F. E. Degradation of chlorinated hydrocarbon insecticides by certain soil bacteria in broth culture. *Elisha Mitchell Sci. Soc. J.* 81(2):81. Nov.1965. 500 EL4 Bioassayed with *Drosophila melanogaster*.
- 47745 MEL'NIKOVA, N. N. Persistence and residual quality of insecticides. (Rus) *Khim. Sel'skom Khoz.* 3(11):22-28. Ref. Nov.1965. 385 K524
- 47746 MILLET, E. R. Regional insect control project, 1964, Afghanistan. U. S. Agr. Res. Serv. Plant Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:7-9. A423.9 R316R
- 47747 MILLET, E. R. Summary of insect conditions, 1964, Afghanistan. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect. Contr. Proj. Annu. Rep. 1964:29-31. A423.9 R316R
- 47748 MOCZAR, L. The role of insects in the pollination of agricultural plants. (Hu) *Elovilag* 10 (3):133-139. 1965. 410 EL6 Alfalfa.
- 47749 MOORE, B. P. Pheromones and insect control. *Australian J. Sci.* 28(6):243-245. Dec. 1965. 475 Au72
- 47750 MUSKA, A. Regions of the most frequent outbreaks of *Elateridae*. (Cz) *Za Vysokou Urodu* 13(2,sup.):4-5, map. Feb.1,1965. 64.8 Z12
- 47751 MUSKA, A. Swarms of *Melolontha* and the injuriousness of larvae. (Cz) *Za Vysokou Urodu* 13(2,sup.):3-4, map. Feb.1,1965. 64.8 Z12
- 47752 NAKATSUGAWA, T., ISHIDA, M., and DAHM, P. A. Microsomal epoxidation of cyclodiene insecticides. *Biochem. Pharmacol.* 14(12):1853-1865. Dec.1965. 396.8 B52 Rabbit liver microsomes.
- 47753 NATIONAL PEST CONTROL ASSOCIATION. A stronger association serves a stronger industry; the annual report of the executive secretary. 1965. 13 p. 423.9 N213
- 47754 NISHIZAWA, Y. Regulation on pesticides in the United States. (Ja) *Botyu-Kagaku* 30(4):133-137. Nov.1965. 421 B65 Insecticides.

- 47755 NOHARA, K., HARADA, T., and ONO, T. On the effect of some insecticides upon the coccinellid beetles. (Ja) Kyushu Univ. Fac. Agr. Sci. Bull. 22(1):1-7. Ref. Oct.1965. 107.6 K995B
English summary.
- 47756 OGITA, Z. I., and KASAI, T. Genetic control of multiple molecular forms of the acid phosphomonoesterases in the house fly, *Musca domestica*. Jap. J. Genet. 40(3):185-197. Ref. June 1965. 442.9 J27
Insecticide resistant flies.
- 47757 OGITA, Z. I., and KASAI, T. Genetico-biochemical analysis of specific esterases in *Musca domestica*. Jap. J. Genet. 40(3):173-184. Ref. June 1965. 442.9 J27
Diazinon resistant and susceptible flies.
- 47758 PHILIPS, F. M. Regional insect control project, 1964, Turkey. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:20-22. A423.9 R316R
Includes plant quarantine.
- 47759 PHILIPS, F. M. Summary of insect conditions, 1964, Turkey. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:44-46. A423.9 R316R
- 47760 PIETRI-TONELLI, P. DE. Possibilities and limits of bioassay of insecticide residues. (It) Riv. Parassitol. 26(3):193-212. Ref. Sept.1965. 436.8 R52
English summary.
- 47761 PRATT, R., GRAHAM, L., and PEPPER, J. H. Montana insect pests, 1963-1964; 40th report of the State Entomologist. Mont. Agr. Exp. Sta. Misc. Publ. 5,16 p. Oct.1964. 100 M76M1
- 47762 PYRETHRUM BOARD OF KENYA. Annual report and accounts for the period 1 July, 1963 to 30 June, 1964. Nakuru, 1964. 26 p. 280.2779 P99
- 47763 RANDALL, A. P. Evidence of DDT resistance in populations of spruce budworm, *Choristoneura fumiferana* (Clem.), from DDT-sprayed areas of New Brunswick. Can. Entomol. 97 (12):1281-1293.,map. Ref. Dec.1965. 421 C16
- 47764 RATCLIFFE, F. N. Biological control. Australian J. Sci. 28(6):237-240. Dec.1965. 475 Au72
Insects.
- 47765 REVELO, M. A. Technical advances in economic entomology in Colombia. (Sp) Agr. Trop. 21(11):739-746. Nov.1965. 26 Ag8
- 47766 ROSLAVTSEVA, S. A., and POPOV, P. V. Synergistic effects of organic phosphorus insecticide mixtures. (Rus) Khim. Sel'skom Khoz. 3(9):29-33. Ref. Sept.1965. 385 K524
Musca domestica and *Sitophilus oryzae* used in experiment.
- 47767 SALY, A., and MACKO, J. Comparison of the biological effect of differently prepared samples of mevinphos and Brevinyl E-50 in laboratory tests. (Cz) Agrochemia [Bratislava] 5(5):142-146. 1965. 385 Ag88
English summary.
Residual effectiveness of insecticides.
- 47768 SCHNITZERLING, H. J., and SCHUNTNER, C. A. Column chromatography of acid esters of phosphoric acids in non-aqueous system. J. Chromatography 20(3):621-623. Dec.1965. 475 J824
Organophosphorus insecticides.
- 47769 SCHROEDER, P. M. Regional insect control project, 1964, Ethiopia. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:10-11. A423.9 R316R
- 47770 SCHROEDER, P. M. Summary of insect conditions, 1964, Ethiopia. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:32-33. A423.9 R316R
- 47771 SIDOR, C. On insect viruses and their role in the protection of plants. (Se) Biljni Lek. 10 (3):13-15. 1965. 421 B49
- 47772 SMALLMAN, B. N. Integrated insect control. Australian J. Sci. 28(6):230-234. Dec.1965. 475 Au72
- 47773 SNELSON, J. T. The post-war insecticides. Australian J. Sci. 28(6):220-223. Dec.1965. 475 Au72
- 47774 SOERONO, M., and others. Observations on doubly resistant *Anopheles aconitus* Donitz in Java, Indonesia, and on its amenability to treatment with malathion. World Health Organ. Bull. 33(4):453-459, map. 1965. 449.9 W892B
A. S. Badawi, D. A. Muir, A. Soedono, and M. Siran, joint authors.
DDT and dieldrin.
- 47775 SYMPOSIUM: New perspectives in insect control. Australian J. Sci. 28(6):217-247. Dec. 1965. 475 Au72
- 47776 TSUKAMOTO, M., NARAHASHI, T., and YAMASAKI, T. Genetic control of low nerve sensitivity to DDT in insecticide-resistant houseflies. Botyu-Kagaku 30(4):128-132. Ref. Nov.1965. 421 B65
Musca domestica.
- 47777 UNDERHILL, J. C., and MERRELL, D. J. Fecundity, fertility, and longevity of DDT resistant and susceptible populations of *Drosophila melanogaster*. Ecology 47(1):140-142. Winter 1966. 410 Ec7
- 47778 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. Regional insect control project. 1964 annual report. Beirut, Lebanon, 1965. 87 p. A423.9 R316R
In special agreement with Agency for International Development.
Includes chemical control, insect conditions, and plant quarantine.
- 47779 VALLES, E. Systemic pesticides. V. Phosdrin. (Por) Gaz. Agr. Angola 10(11):620-621. Nov. 1965. 24 G252
- 47780 VAN EMDEN, H. F. The role of uncultivated land in the biology of crop pests and beneficial insects. Sci. Hort. 18:121-136. Ref. 1964/65. 84 H78
- 47781 VOGEL, W. Biological pest control on commercial basis. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:49-51. June 1965. 410.9 G31M
Insect pests of plants.
- 47782 WALOFF, Z., and CONNERS, J. M. The frequencies of infestations by the desert locust [*Schistocerca gregaria*] in different territories, FAO Plant Protect. Bull. 12(5):105-113, map. Oct.1964. 421 P692
Covering the period from 1937 to 1963 in North Africa, the Near East, and India.
- 47783 WATERHOUSE, D. F. Setting the scene: pest control past and present. Australian J. Sci. 28(6):218-220. Dec.1965. 475 Au72
- 47784 WATERHOUSE, D. F. The use of sterile insects for their own destruction. Australian J. Sci. 28(6):235-237. Dec.1965. 475 Au72
- 47785 WHELLAN, J. A. Plant pest situation in Southern Rhodesia during 1964. FAO Plant Protect. Bull. 13(3):67. June 1965. 421 P692
Insect pests.
- 47786 WHITTEN, B. K., and GOODNIGHT, C. J. Toxicity of some common insecticides of tubificids. Water Pollut. Contr. Fed. J. 38(2):227-235. Ref. Feb.1966. 293.8 Se8
- 47787 WILSON, F. Biological control and the genetics of colonizing species. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.307-329. Ref. 1965. QH371.I5
Includes discussion.
- 47788 WILSON, S. W. Regional insect control project, 1964, Iran. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:12-14. A423.9 R316R
Chiefly chemical control.
- 47789 WILSON, S. W. Summary of insect conditions, 1964, Iran. U. S. Agr. Res. Serv. Plant Pest Contr. Div. Reg. Insect Contr. Proj. Annu. Rep. 1964:34-36. A423.9 R316R

- 47790 WRIGHT, J. W., and PAL, R. Second survey of insecticide-resistance in body-lice, 1958-63. World Health Organ. Bull. 33(4):485-501. 1965. 449.9 W892B
Pediculus humanus humanus.
- 47791 YASUNO, M., and others. Inactivation of some organophosphorous insecticides by bacteria [*Bacillus subtilis*] in polluted water. Jap. J. Exp. Med. 35(6):545-563. Ref. Dec.1965. 448.8 J272
- 47792 ZAYED, S. M. A. D., HASSAN, A., and FAKHR, I. M. I. Studies on organophosphorus insecticides. I. Preparation of some Dipterex analogues and stability of O,O-dimethyl-2,2,2-trichloro-1-methoxyethyl phosphonate. Z. Naturforsch. 20b(8):786-790. Ref. Aug.1965. 474 Z3
- Medical and Veterinary Pests
- 47793 ABDULCADER, W. H. M., and others. Vectorial capacity of *Culex pipiens fatigans* in Ceylon. J. Trop. Med. Hyg. 68(10):254-256, map. Oct.1965. 448.8 J827
P. Rajakone, K. Tharumarajah, and R. Mahadeva, joint authors.
Wuchereria bancrofti infection.
- 47794 AMMAH-ATTOH, V. Development of *Boophilus decoloratus* (Koch, 1844) on the ox. Nature [London] 209(5023):629-630. Feb.5,1966. 472 N21
- 47795 AMREIN, Y. U., GEIGY, R., and KAUFFMANN, M. On the reacquisition of virulence in trypanosomes of the brucei-group. Acta Trop. 22(3):193-203. Ref. 1965. 475 Ac8
In *Glossina morsitans*, *G. pallidipes*, and *G. brevipalpis*.
- 47796 ANOKHIN, I. A. The 24-hour rhythm in ants invaded by metacercariae *Dicrocoelium lan-ceatum*. (Rus) Akad. Nauk SSSR. Dokl. 166: 757-759. 1966. 511 P444A
Formica nigricans as vector of livestock diseases.
- 47797 ASHCROFT, M. T. A history and general survey of the helminth and protozoal infections of the West Indies. Ann. Trop. Med. Parasitol. 59(4):478-493, map. Ref. Dec.1965. 448.9 L75A
Includes malaria and mosquito vectors.
- 47798 BAR-ZEEV, M. Some effects of dichlorvos in huts on the behaviour of mosquitos in Southern Nigeria. World Health Organ. Bull. 33(4):583-586. 1965. 449.9 W892B
- 47799 BAR-ZEEV, M., and BRACHA, P. A village-scale trial with the insecticides carbaryl and folithion in Southern Nigeria. World Health Organ. Bull. 33(4):461-470. 1965. 449.9 W892B
Against mosquitoes.
- 47800 BARBARY, J. C. General hints on sheep dipping. S. Australia J. Agr. 69(6):219-223. Jan. 1966. 23 So84
To control external parasites.
- 47801 BELL, J. F., and others. Effects of limb disability on lousiness in mice. III. Gross aspects of acquired resistance. Exp. Parasitol. 18(1): 49-60. Ref. Feb.1966. 436.8 Ex7
C. M. Clifford, G. J. Moore, and G. Raymond, joint authors.
To *Myobia musculi* and *Myocoptes musculus*.
- 47802 BRANSBY-WILLIAMS, W. R. Effects of pollution on the susceptibility to larvicides of *Culex pipiens fatigans*. World Health Organ. Bull. 33(5):735-737. 1965. 449.9 W892B
- 47803 BRANSBY-WILLIAMS, W. R. Some effects of polyethylene on the efficacy of larvicides tested against *Culex pipiens fatigans*. World Health Organ. Bull. 33(5):737-740. 1965. 449.9 W892B
- 47804 BRIGGS, S. A. The *Aedes aegypti* eradication program. Atlantic Natur. 20(4):192-204. Oct./Dec.1965. 413.8 W86
With DDT.
- 47805 BRUCE, W. G. The stable fly [*Stomoxys calcitrans*] in North Carolina. N. C. Univ. Ext. Folder 234,4 p. Oct.1965. 275.29 N811Ex
Chemical control chiefly on cattle.
- 47806 BURTON, A. N., and others. Western equine encephalitis in Saskatchewan birds and mammals 1962-1963. Can. J. Microbiol. 12(1):133-141, map. Ref. Feb.1966. 448.8 C162
J. R. McLintock, J. Spalatin, and J. G. Rempel, joint authors.
Transmitted by mosquitoes.
- 47807 BURTON, G. J., and MCRAE, T. M. Dam-spillway breeding of *Simulium damnosum* Theobald in northern Ghana. Ann. Trop. Med. Parasitol. 59(4):405-412. Ref. Dec.1965. 448.9 L75A
Vector of onchocerciasis.
- 47808 CAMPION, D. G. Biological control of pests: a screw-worm [*Cochliomyia hominivorax*] factory in Texas. Trop. Sci. 7(3):92-98. 1965. 26 T756
Sterilization of this cattle pest.
- 47809 CATTS, E. P. Host-parasite interrelationships in rodent bot fly infections. N. Amer. Wildlife Natur. Resources Conf. Trans., 30th Conf.:184-196. Ref. 1965. 412.9 N814
Cuterebra approximata and *C. latifrons*.
- 47810 COLEMAN, V. R. Scorpions and their control. Ga. Univ. Ext. Leaflet. 38,6 p.-folder. Sept.1965. 275.29 G29L
- 47811 COZ, J., and others. Experiences in Upper Volta on the use of trap huts to measure DDT activity against mosquitoes. (Fr) World Health Organ. Bull. 33(4):435-452, map. Ref. 1965. 449.9 W892B
M. Eyraud, P. Venard, B. Attiou, D. Somda, and V. Ouedraogo, joint authors.
Anopheles gambiae and *A. funestus*.
- 47812 CUFF, R. L. The high cost of grubs. Agr. Chem. 21(2):21-22,90. Feb.1966. 381 Ag8
Control of Hypoderma on beef cattle; includes losses.
- 47813 DALE, W. E., COPELAND, M. F., and HAYES, W. J. Chlorinated insecticides in the body fat of people in India. World Health Organ. Bull. 33(4):471-477. Ref. 1965. 449.9 W892B
- 47814 DALE, W. E., CURLEY, A., and CUETO, C. Hexane extractable chlorinated insecticides in human blood. Life Sci. 5(1):47-54. Ref. Jan. 1966. 442.8 L62
- 47815 DANIELOVA, V. Quantitative relationships of Tahyna virus and the mosquito *Aedes vexans*. Acta Virol. 10(1):62-65. Jan.1966. 448.3 Ac85
Determination of transmission rate.
- 47816 DELAK, M., and others. Control of Hypoderma disease on territory of the FR Croatia. (Se) Vetserum 13(7/8):311-314. Ref. 1965. 41.8 V6459
M. Zukovic, I. Drezancic, and S. Repac, joint authors.
- 47817 DEN OTTER, C. J. A physical method for permanent control of Psychoda pests at wastewater treatment plants. Water Pollut. Contr. Fed. J. 38(2):156-164. Ref. Feb.1966. 293.8 Se8
- 47818 DIAS, J. C. P. Observation on the behavior of Brazilian triatomids to fasting in laboratory. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(1):55-63. Jan./Mar.1965. 448.8 R3283
English summary.
Panstrongylus megistus, *Triatoma infestans* and *Rhodnius neglectus* exposed to BHC repellent.
- 47819 DIAS, J. C. P. Susceptibility of the larvae and eggs of *Triatoma* to BHC. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(1):37-47. Ref. Jan./Mar.1965. 448.8 R3283
English summary.
Vectors of *Trypanosoma cruzi*.
- 47820 DOOLEY, J. R., and BURKLE, J. S. Three faces of dengue. Arch. Intern. Med. 117(2): 170-181. Ref. Feb.1966. 448.8 Ar24
Transmitted by mosquitoes.

- 47821 DORSEY, C. K., and others. Cattle grub [Hypoderma] control experiments under field conditions using systemic and other insecticides, 1959-1965. W. Va. Agr. Exp. Sta. Bull. 515T, 17 p. Ref. Nov.1965. 100 W52
J. O. Heishman, C. J. Cunningham, and H. E. Kidder, joint authors.
- 47822 DRUMMOND, R. O., and GRAHAM, O. H. Systemic insecticides in livestock insect control. Vet. Rec. 77(48):1418-1420. Ref. Nov.27,1965. 41.8 V641
- 47823 DU TOIT, R. Spray race for cattle. Farming S. Afr. 41(9):33-35,37,39. Dec.1965. 24 So842
- 47824 ECHALIER, G. Multiplication of an arbovirus, Sindbis virus in the body of an experimental vector, the mosquito *Aedes aegypti* L. (Fr) Acad. Sci. Compt. Rend. 261(8):1920-1922. Aug.23,1965. 505 P21
- 47825 EICHLER, W., and WASSERBURGER, H. J. Fleas on men, with special consideration of the human flea (*Pulex irritans*) and the dog flea (*Ctenocephalides canis*). (Ge) Merkl. Angew. Parasitenk. Schadlingsbekämpfung. Merkl. 9, 14 p. 1964. 436.8 An4 Suppl
Includes chemical control.
- 47826 EKNATHRAO, D. S. Endrin poisoning in bullocks. Indian Vet. J. 43(1):85-86. Jan.1966. 41.8 In2
- 47827 FURST, K. Frequent poisoning cases in the anti-warble treatment with the phosphoric acid ester preparation Neguvon. (Ge) Wien. Tierarztl. Monatsschr. 52(10):919-923. Oct.1965. 41.8 T345
English summary.
Hypoderma control on cattle.
- 47828 GABLIKS, J., and FRIEDMAN, L. Responses of cell cultures to insecticides. I-III. Soc. Exp. Biol. Med. Proc. 120(1):163-175. Ref. Oct. 1965. 442.9 So1
I, Acute, toxicity to human cells; II, Chronic toxicity and induced resistance; III, Altered susceptibility to poliovirus and diphtheria toxin. Mouse and HeLa cells.
- 47829 GANIEV, I. M., and KASIMOV, D. D. The application of chlorophos, trichlorometaphos-3 and polychloropinene against sheep scabies. (Rus) Veterinariya 12:47. Dec.1965. 41.8 V6426
- 47830 GOLDENBERG, M. I. Preservation of *Pasterella pestis* in fleas by solid carbon dioxide (dry-ice). World Health Organ. Bull. 33(6): 858-859. 1965. 449.9 W892B
- 47831 HARRISON, I. R., and DAYKIN, M. M. The biology and control of ectoparasites of laboratory animals with special reference to poultry parasites. Anim. Tech. Inst. J. 16(3):69-73. Sept.1965. 410.9 An5
Includes control with insecticides.
- 47832 HERMAN, C. M., and PRICE, D. L. Epizootologic studies on filarioids of the raccoon. J. Wildlife Manage. 29(4):694-699. Oct.1965. 410 J827
Ticks and mosquitoes as vectors.
- 47833 HERNANDEZ LIRA, J. A new case of Chagas' disease in Tierra Blanca, Veracruz. (Sp) Mex. Inst. Salubridad Enferm. Trop. Rev. 25 (2):181. July/Dec.1965. 449.9 M572
Includes the presence of *Triatoma dimidiata*.
- 47834 JANES, R. L., and GUYER, G. Controlling biting insects. Mich. State Univ. Ext. Ext. Bull. 522,8 p. Feb.1966. 275.29 M58B
Chiefly mosquitoes and flies, pests of humans and livestock, and their chemical control.
- 47835 KAIRE, G. H. A method for assay of canine anti-tick serum. Australian Vet. J. 41(8): 239-240. Aug.1965. 41.8 Au72
Antitoxin against *Ixodes holocyclus*, cause of tick paralysis.
- 47836 KAMYSZEK, F. The house-fly (*Musca domestica*) as a carrier of fungi. (Pol) Med. Weter. 21(10):622-624. Oct.1965. 41.8 M463
English summary.
- 47837 KHAN, M. A. Synthetic insecticides to control livestock insects. Can. Cattlemen 28(9):31,34-36. Sept.1965. 49 C16
- 47838 KIRKWOOD, A., and KENDALL, S. B. Demodetic mange in cattle. Vet. Rec. 78(1):33-34. Jan.1,1966. 41.8 V641
Caused by *Demodex bovis*.
- 47839 KOZUCH, O., and others. Isolation of tick-borne encephalitis virus from the blood of the mole (*Talpa europaea*) in a natural focus of infection. Acta Virol. 10(1):84. Jan.1966. 448.3 Ac85
I. Grulich, J. Nosek, and P. Albrecht, joint authors.
- 47840 KOZUCH, O., and others. Transmission of tick-borne encephalitis virus by nymphs of *Ixodes ricinus* to the European mole (*Talpa europaea*). Acta Virol. 10(1):83. Jan.1966. 448.3 Ac85
J. Nosek, M. Lichard, and I. Grulich, joint authors.
- 47841 KRISHNAMURTHY, K., and others. Studies on the effect of insecticidal residues in foods. I-II. Indian J. Exp. Biol. 3(3):168-173. Ref. July 1965. 442.8 In2
T. S. Subramanya, T. S. S. R. Urs, P. Jayaraj, and S. K. Majumdar, joint authors.
I, Effect of poor rice diet on the toxicity of dieldrin to albino rats; II, Effect of insecticidal clay in the diet of albino rat on the growth and digestibility of food constituents.
- 47842 KUHLMORN, F. Investigations on the insect fauna of areas. 16. On the possible importance of domestic species of Diptera as health hazards in the living area of man and his livestock. (Ge) Gesundheitswesen Desinfekt. 57 (6):81-85. Ref. June 1965. 449.8 Z36P
- 47843 KUNZ, C. Epidemiology and serology of the Tahyna virus. (Ge) Zentralbl. Bakteriologie. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198 (1/3):171-174. Dec.1965. 448.3 C33
Isolated from *Aedes*.
- 47844 LAING, A. B. G. Treatment of acute falciparum malaria with diaphenylsulfone [DDS] in north-east Tanzania. J. Trop. Med. Hyg. 68 (10):251-253. Ref. Oct.1965. 448.8 J827
Plasmodium falciparum transmitted by *Anopheles gambiae*.
- 47845 LAL, H., GINOCCHIO, S., and HAWRYLEWICZ, E. J. Effect of allethrin on feeding behavior of insects. Soc. Exp. Biol. Med. Proc. 120(2):441-443. Nov.1965. 442.9 So1
Aedes aegypti.
- 47846 LEAL, J. M., SHERLOCK, I. A., and SERAFIM, E. Observations on domiciliary *Triatoma* control with BHC in Salvador, Bahia. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(1):65-73, map. Jan./Mar.1965. 448.8 R3283
English summary.
Vectors of *Trypanosoma cruzi*.
- 47847 LITVISHKO, N. T., KHARCHENKO, O. N., and TERTYSHNY, A. A. Haemadipsosis of rabbits. (Rus) Veterinariya 12:87-89. Dec.1965. 41.8 V6426
The louse, *Haemadipsus ventricosus*, and transmission of tularemia.
- 47848 LUCENA, D. T. DE, COSTA, E. G., CORDEIRO, J. E. Electrocardiographic changes in Chagas' disease in a rural community of Pernambuco, with other endemic indices. (Por) Rev. Brasil. Malariol. Doencas Trop. 17(1): 25-36. Ref. Jan./Mar.1965. 448.8 R3283
Triatomidae as vectors.
- 47849 MCINTOSH, B. M., and others. Laboratory transmission of chikungunya virus by *Mansonia* (*Mansonioides*) *africana* (Theobald). Ann. Trop. Med. Parasitol. 59(4):390-393. Dec. 1965. 448.9 L75A
J. Sweetnam, G. M. McGillivray, and J. de Sousa, joint authors.
- 47850 NAGATY, H. F. Death of two calves due to bites of *Stomoxys nigra*. Vet. Rec. 77(49):1494. Dec.4,1965. 41.8 V641

- 47851 NEMESERI, L., and SZEKY, A. Swine demodosis. (Hu) Magyar Allatorv. Lapja 20(12):544-545. Dec.1965. 41.8 V644
English summary.
Includes *Demodex phylloides* control with neguvon.
- 47852 OGITA, Z. I., and KASAI, T. A genetic analysis of synergistic action of sulfonamide derivatives with DDT against house flies. *Botyu-Kagaku* 30(4):119-128. Ref. Nov.1965. 421 B65
Musca domestica.
- 47853 OWEN, K. F. Grub control effort needed. *Leather Shoes* 150(18):44-45. Oct.30,1965. 303.8 H53
Hypoderma on cattle in Iowa.
- 47854 PARK, R. L., and others. Deer and cattle fever ticks [*Boophilus microplus*]. *J. Wildlife Manage.* 30(1):202-203. Jan.1966. 410 J827
O. Skov, G. A. Seaman, and R. M. Bond, joint authors.
- 47855 PAYNE, J. A., and COSGROVE, G. E. Tissue changes following *Cuterebra* [angustifrons] infestation in rodents. *Amer. Midland Natur.* 75(1):205-213. Ref. Jan.1966. 410 M58
- 47856 PETROVSKII, V. V. Toxicity of carbaryl and its effect on cattle by repeated treatment. (Rus) *Khim. Sel'skom Khoz.* 3(10):60-63. Ref. Oct.1965. 385 K524
Control of bloodsucking insects.
- 47857 RAEVSKII, D. A., and others. Complex method of Hypoderma control. (Rus) *Veterinariya* 12:37-41. Dec.1965. 41.8 V6426
A. A. Nepoklonov, I. S. Ivashkov, G. A. Talanov, joint authors.
Cattle.
- 47858 REID, W. M., and BOTERO, H. How to control lice and mites. *Poultry Trib.* 72(3):22-23,62, 66. Mar.1966. 47.8 P8642
Chemical control of poultry pests.
- 47859 RUEGER, M. E., OLSON, T. A., and PRICE, R. D. Studies of potential avian, arthropod and mammalian hosts of mosquito-borne arboviruses in the Minnesota area. *Amer. J. Epidemiol.* 83(1):33-37. Jan.1966. 449.8 Am3
Includes pigeons and poultry as hosts, and *Culex pipiens* and *C. tarsalis* as vectors.
- 47860 SCHNEIDER, C. R., and HERTIG, M. Immuno-diffusion reactions of Panamanian *Leishmania*. *Exp. Parasitol.* 18(1):25-32. Ref. Feb.1966. 436.8 Ex7
Includes strains of *Phlebotomus*.
- 47861 SCHUNTNER, C. A., and THOMPSON, P. G. Detection and estimation of [¹⁴C] diazoxon in vivo by countercurrent distribution and inhibition assay. *Biochim. Biophys. Acta* 115(1):225-227. Jan.25,1966. 381 B522
Tests on larvae of *Boophilus microplus* treated with diazinon.
- 47862 SHELLENBERGER, T. E., and others. Cholinesterase inhibition and toxicologic evaluation of two organophosphate pesticides in Japanese quail. *Toxicol. Appl. Pharmacol.* 8(1):22-28. Ref. Jan.1966. 391.8 T662
G. W. Newell, R. F. Adams, and J. Barbaccia, joint authors.
Bidrin and Azodrin.
- 47863 SHESTAKOV, V. I., and POLENOVA, I. N. On hibernation sites of blood-sucking mosquitoes [*Culex* and *Anopheles*] in Japanese encephalitis foci of the Primorie District. (Rus) *Zool. Zhur.* 44(12):1871-1873. 1965. 410 R92
English summary.
- 47864 SHIMAMUNE, A., NAQUIRA, C., and MARIN, R. Artificial feeding of the blood-sucking bug *Triatoma infestans* Klug, 1834. I. Feeding characteristics and the inducement of abnormal metamorphosis. *Bol. Chileno Parasitol.* 20(2):33-42. Ref. Apr./June 1965. 436.9 C43
- 47865 SODEMAN, W. A., and JEFFERY, G. M. Primary malarial thrombocytopenia in the rhesus monkey. *Roy. Soc. Trop. Med. Hyg. Trans.* 60(1):70-74. 1966. 448.9 R813
Infected by bites of *Anopheles quadrimaculatus* infected with *Plasmodium cynomolgi*.
- 47866 STADELMAN, W. J. Management practices for removal of residues from domestic animals. *Amer. Feed Manufacturers Ass. Nutr. Counc. Proc.*, 25th Semi-annu. Meeting:33-34. 1965. 389.79 Am32
Removal of residues of chlorinated hydrocarbon insecticides from egg-producing poultry.
- 47867 STAMM, D. D. Relationships of birds and arboviruses. *Auk* 83(1):84-97. Ref. Jan. 1966. 413.8 Au4
Includes transmission to man by arthropods.
- 47868 STICKEL, W. H., and others. Body condition and response to pesticides in woodcocks. *J. Wildlife Manage.* 29(1):147-155. Jan.1965. 410 J827
W. E. Dodge, W. G. Sheldon, J. B. Dewitt, and L. F. Stickel, joint authors.
Heptachlor, dieldrin and DDT.
- 47869 STICKEL, W. H., HAYNE, D. W., and STICKEL, L. F. Effects of heptachlor-contaminated earthworms on woodcocks. *J. Wildlife Manage.* 29(1):132-146. Ref. Jan.1965. 410 J827
- 47870 STURMAN, I. I., and GLEBOVA, I. YA. The role of chicken mites in pasteurellosis infection. (Rus) *Veterinariya* 12:85-87. Dec.1965. 41.8 V6426
Dermanyssus gallinae.
- 47871 SVEDMYR, A., and others. Infections with tick-borne encephalitis virus in the Swedish population of the elk (*Alces a. alces*). *Acta Pathol. Microbiol. Scand.* 65(4):613-620. 1965. 448.3 Ac8
G. von Zeipel, K. Borg, and H. Hansen, joint authors.
- 47872 TERNOVOI, V. I., and others. Application of trichlorometaphos-3 in the case of hypodermatosis. (Rus) *Veterinariya* 1:43-44. Jan.1966. 41.8 V6426
A. C. Popov, F. N. Sidorenko, and Yu. M. Rastegaev, joint authors.
Cattle.
- 47873 TIBURSKAJA, N. A., and VRUBLEVSKAJA, O. S. Clinical and experimental studies on quartan malaria following blood transfusion and methods for preventing its occurrence. *World Health Organ. Bull.* 33(6):843-851. Ref. 1965. 449.9 W892B
Includes possibility of *Anopheles maculipennis atroparvus* becoming infected from patients.
- 47874 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Report of cooperative tick eradication activities, fiscal year, 1965. Hyattsville, Md., 1965. 6 p., map. A423.9 R314
- 47875 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Horn flies [*Haematobia irritans*] on cattle; how to control them. U. S. D. A. Leaflet. 388, slightly rev., 8 p. Dec.1965. 1 Ag84L
Chemical control.
- 47876 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. The house fly [*Musca domestica*] how to control it. U. S. D. A. Leaflet. 390, rev., 8 p. Dec.1965. 1 Ag84L
Chiefly chemical control.
- 47877 VARELA, G., and HIRANAKA, H. Conservation of *Taxoplasma gondii* in *Centruroides limpidus tecomanus*. (Sp) *Mex. Inst. Salubridad Enferm. Trop. Rev.* 25(2):182. July/Dec.1965. 449.9 M572
- 47878 VELASCO, R., and VARELA, G. Study of vitamin B₁ as a mosquito repellent. (Sp) *Mex. Inst. Salubridad Enferm. Trop. Rev.* 25(2):177-179. July/Dec.1965. 449.9 M572
- 47879 VELIMIROVIC, B. Investigation of an outbreak of malaria in an area in the consolidation phase. (Sp) *Ofic. Sanit. Panamer. Bol* 58(5):395-404, map. May 1965. 449.9 P192B
English summary.
Transmission of *Plasmodium vivax* by *Anopheles pseudopunctipennis* in Peru.

- 47890 WARREN, M., and others. *Plasmodium eylesi* sp. nov., a tertian malaria parasite from the white-handed gibbon, *Hylobates lar*. Ann. Trop. Med. Parasitol. 59(4):500-508. Dec.1965. 448.9 L75A
G. F. Bennett, A. A. Sandosham, and G. R. Coatney, joint authors.
Includes experimental transmission by *Anopheles kochi*.
- 47891 WEISER, J. A new virus infection of mosquito larvae. World Health Organ. Bull. 33(4):586-588. 1965. 449.9 W892B
Polyhedrosis in *Aedes annulipes* and *A. cantans*.
- 47892 WILLOMITZER, J., and MELICHAR, B. Experience with use of nontoxic physical insecticides against *Dermatophyllum gallinae* under semi-operational conditions. Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:233-240. 1965. 41.9 B833
- 47893 WILSON, H. B. Eradicate breeding sites to decrease housefly population. Dairyfarming Dig. 12(6):35-36. Nov./Dec.1965. 44.8 D1443
- 47894 WRIGHT, B. S. Some effects of heptachlor and DDT on New Brunswick woodcocks. J. Wildlife Manage. 29(1):172-185, map. Ref. Jan.1965. 410 J827
- 47895 WRIGHT, S. E. Non-target effects; man. Australian J. Sci. 28(6):224-226. Dec.1965. 475 Au72
Insecticide toxicity to man.
- 47896 YOELI, M., and others. Studies on sporozoite-induced infections of rodent malaria. II. *Anopheles stephensi* as an experimental vector of *Plasmodium berghei*. Amer. J. Trop. Med. & Hyg. 14(6):927-930. Nov.1965. 448.8 Am326
J. Vanderberg, R. Nawrot, and H. Most, joint authors.
- 47897 ZACHERL, M. K., and others. Chemical studies following application of Warbex. (Ge) Wien. Tierarztl. Monatsschr. 52(7):669-675. July 1965. 41.8 T345
W. Stockl, M. Weiser, G. Litschauer, and A. Zuchi, joint authors.
English summary.
Study of blood and milk level of Warbex in Hypoderma control of cattle.
- Pests of Field and Truck Crops
- 47898 ANGELES, J. N. DE. Injury of maize by scarab beetles. FAO Plant Protect. Bull. 12(6):141. Dec.1964. 421 P692
Macraspis lucida and *Pelidnota kaevussuna* in Venezuela.
- 47899 BEGG, J. A. Phytotoxicity to tobacco of fertilizer-organophosphate combinations against the cyclodiene-resistant root maggot, *Hylemya liturata* (Meigen) (Diptera: Anthomyiidae). Tobacco [New York] 161(27):77-79. Dec.31,1965. 286.89 T552
- 47900 BOGUSH, P. Colorado potato beetle. (Rus) Sel'skoe Khoz. Beloruss. 16:6. Aug.1965. 20 Se496Ar
Leptinotarsa decemlineata as pest.
- 47901 BOMBOSCH, S. Studies on *Aphis fabae* Scop. and its natural enemies as basis for an integrated control program. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:13-21. Ref. June 1965. 410.9 G31M
- 47902 CHOD, J. Transmission of carrot mosaic virus by aphids. Biol. Plant. 8(1):53-59. 1966. 450 B52
- 47903 DAVID, B. V., VIJAYARAGHAVAN, S., and RAMASWAMY, K. A. Field trials for control of groundnut aphid. Indian Oilseeds J. 9(3):188-191. July/Sept.1965. 307.8 In22
Aphis craccivora.
- 47904 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with the control of the saddle fly (*Haplodiplosis equestris* Wagner). (Da) Tidsskr. Planteavl 69(3):454-456. 1965. 11 T439
On grain.
- 47905 DERYABIN, V. I. New preparations for control of spider mite. (Rus) Khlopkovodstvo 2:44-45. Feb.1966. 72.8 K522
Tetranychus urticae on cotton.
- 47906 DOUGLASS, J. R., PORTMAN, R. W., and MANIS, H. C. Spider mites of beans and corn and their control. Idaho. Agr. Coll. Ext. Bull. 450,6 p.-folder. Sept.1965. 100 Id14
- 47907 EARP, U. F., STANLEY, J. M., and LAM, J. J. Spectral response of hornworm moths. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):183-185. Ref. 1965. 290.9 Am32T
Protoparce sexta and *P. quinquemaculata*: response to radiant energy for use in light trapping.
- 47908 EMPSON, D. W. Cereal pests. Great Brit. Min. Agr. Fish. Food. Bull. 186,97 p. Ref. 101G794B
Includes control.
- 47909 GAHER, S., and KLINOVSKY, M. New aspects in aphid control of potato stands. (Cz) Agrochemia [Bratislava] 5(6):170-173. Ref. 1965. 385 Ag88
English summary.
Chiefly menazon, intration and VUAgT-1964 tests.
- 47900 GERSDORF, E. The effect of chemical control on parasites [Opus] of beet flies [*Pegomya hyoscyami*]. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:43-48. June 1965. 410.9 G31M
- 47901 GODDON, G. R. New recommendation for potato moth control. Power Farming Australia New Zeal. Better Farming Dig. 75(1):41. Jan. 1966. 58.8 P87
With azinphos-ethyl for *Gnorimoschema operculella* control.
- 47902 GRECHKA, M. I. Chemical methods in protection of legumes against pests. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:447-450. 1964. 20 M857
Benzene hexachloride and DDT in control of *Sitona*, *Cecidomyia* and *Elaterridae*.
- 47903 HARTWIG, E. K. The nesting system of the harvester termite, *Hodotermes mossambicus* (Hagen) (Isoptera) with aspects regarding its control. (Af) So. Afr. J. Agr. Sci. 8(3):643-659. Ref. Sept.1965. 24 Su3
English summary.
Pests of grass and shrubs.
- 47904 HURTADO, E. A., DIAZ, G. S., and PASCUA, H. R. Sparked by aphids: seasonal occurrence of tobacco mosaic in Isabel. Philippine Tobacco Rev. 2(1):22-23,38. Jan./Mar.1965. 286.89 P53
- 47905 HYUN, J. S., and SHIM, J. W. The effects of tepa on the biology of rice weevil, *Sitophilus oryzae* Linne. (Ko) Seoul Univ. J. Biol. Agr. Ser. (B) 16:55-62. Ref. May 1965. 442.9 So84
English summary.
- 47906 JANES, R. L., and RUPPEL, R. Field bean, soybean, and sugar beet production; insect and nematode control in Michigan. Mich. State Univ. Ext. Bull. 499,8 p. Dec.1965. 275.29 M58B
Chemical control.
- 47907 JANES, R. L., and RUPPEL, R. Michigan corn production; insect control. Mich. State Univ. Ext. Bull. 439,rev.,8 p. Mar.1966. 275.29 M58B
Chemical control.
- 47908 JOSHI, R. D., and BHARGAVA, K. S. A mosaic disease of tree tomato (*Cyphomandra betacea* Sendt.). Indian Phytopathol. 18(3):313. 1965. 464.8 In2
Possibly *Myzus persicae* and *Aphis gossypii* as vectors.
- 47909 KAISER, W. Plant protection measures in beet culture with regard to Rhine-Main-District. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:182-188. June 1965. 410.9 G31M
Chemical control of insect pests and weeds.

- 47910 KOK, L. T., and VARGHESE, G. Yield losses due to lepidopterous stem borer [*Chilo traea polychrysa*] infestation of rice (*Oryza sativa*). Trop. Agr. [St. Augustine] 43(1):69-73. Jan. 1966. 26 T754
Malaysia.
- 47911 KOKOT, O. P. Substitutes of DDT. (Rus) Kukuruz 11:38-39. 1965. 59.8 K95
Chiefly chlorophos and vofatox for control of *Ostrinia nubilalis* of corn.
- 47912 KRISHNANANDA, N., and KAIWAR, S. R. A preliminary study on the control of leaf-miner of groundnut. Indian Oilseeds J. 9(3):180-183. July/Sept. 1965. 307.8 In22
Chiefly *Stomopteryx nerteria*.
- 47913 KUPPUSWAMY, S., RAMASWAMY, K. A., and BASHEER, M. Recent insecticidal trials to control red hairy caterpillar [*Amsacta* sp.] on groundnut in Madras state. Indian Oilseeds J. 9(3):195-200. Ref. July/Sept. 1965. 307.8 In22
- 47914 KUTHE, K. New results in the treatment of fungus beetles (*Atomaria linearis* Steph.). (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:197-203. June 1965. 410.9 G31M
English summary.
With insecticides.
- 47915 LEDBETTER, R. J. Insect control in the home garden. Auburn Univ. Ext. Circ. P-3,6 p.-folder. July 1965. 275.29 AL14Cp
Chemical control in vegetables.
- 47916 LEFTER, G. Biology and control of *Tetranychus urticae* Koch as pest of vegetables. (Rum) Gradina, Via Livada 14(4):66-71. Apr. 1965. 80 G75
- 47917 LEHMANN, W. The effect of chemical control measures on some parasites of pests of winter rape. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:35-42. Ref. June 1965. 410.9 G31M
- 47918 LI, S. T. Studies on chemical control of soil insects in ratoon sugarcane field. II. Effect of heptachlor against the sugarcane wireworm, *Melanotus tamsuyensis* Bates (Coleoptera: Elateridae). (Ch) Taiwan Sugar Exp. Sta. Rep. 38:91-97. Apr. 1965. 65.9 F76R
English summary.
- 47919 LUIS, R. A., MANGUNAY, I. E., and HURTADO, E. A. The effectiveness of organic insecticides for the control of some tobacco insects. Philippine Tobacco Rev. 2(1):8-11. Jan./Mar. 1965. 286.89 P53
- 47920 MAKES, M. Red clover grown for seed and Apion. (Cz) Za Vysokou Urodu 13(2):76. Feb. 1, 1965. 64.8 Z12
Includes control.
- 47921 MAREK, J. Outbreak of *Acyrtosiphon pisum* Harris on perennial forage plants. (Cz) Za Vysokou Urodu 13(2,sup.):8-9, map. Feb. 1, 1965. 64.8 Z12
Includes control.
- 47922 MAREK, J. Outbreaks of *Bothynoderes punctiventris* Germar. (Cz) Za Vysokou Urodu 13(2,sup.):3, map. Feb. 1, 1965. 64.8 Z12
- 47923 MARSDEN, D. H. New corn pest invades the Northeast. Agway Coop. 2(4):7. Apr. 1966. 280.28 Ag9
Northern corn rootworm, *Diabrotica longicornis*.
- 47924 MEGALOV, V. A. Mineral fertilizer foliar application as method for protection against insects. (Rus) Moskov. Ord. Lenina Sel'skikh. Akad. K. A. Timiryazeva. Dokl. 99:473-476. 1964. 20 M857
Control of *Brevicoryne brassicae* on cabbage.
- 47925 MILLER, L. I., and TROUTMAN, J. L. Stunt disease of peanuts in Virginia. Plant Dis Rep. 50(3):139-143. Ref. Mar. 1966. 1.9 P69P
Includes transmission by *Myzus persicae*, and host plant resistance to *Empoasca fabae*.
- 47926 MOLLER, R. B. Soldier fly, 1965. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):97-98. Jan. 1, 1966. 65.9 Q3C
Chemical control of *Chironomyza prisca*.
- 47927 MONROE, R. E., and POLITYKA, C. S. The comparative toxicities of three insecticides to the cereal leaf beetle [*Oulema melanopa*]. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):140-143. Nov. 1965. 100 M58S
Carbaryl, malathion, and dieldrin.
- 47928 MYMRIKOVA, N. Correct forecasting as basis of control of sugar beet insect pests in the coming year. (Rus) Kolkhoz.-Sovkhoz. Proizv. Moldavii 9:51-52. Sept. 1965. 20 Z45
- 47929 PERSIN, S. A. Effectiveness of joint pesticide-fertilizer application in different natural and climatic zones. (Rus) Khim. Sel'skom Khoz. 3(11):32-34. Nov. 1965. 385 K524
Corn.
- 47930 POTOCEK, J. Outbreak of *Brevicoryne brassicae* v.d. Goot on winter rape. (Cz) Za Vysokou Urodu 13(2,sup.):7, map. Feb. 1, 1965. 64.8 Z12
- 47931 RACE, S. R., and DAVIS, S. H. Asparagus pest control. Rutgers State Univ. Ext. Leaflet. 333-A, 3 p. Feb. 1966. 275.29 N46L
Chemical control.
- 47932 RAO, A. B., and RAO, P. K. Observations on the natural parasitisation in the egg masses of *Tryporyza* (*Schoenobius*) *incertula* (Walker) at Maruteru. Andhra Agr. J. 12(5):178-182. 1965. 34.2 An4
In rice crop.
- 47933 REHAK, V. On the outbreak of *Pegomya betae* Curt. (Cz) Za Vysokou Urodu 13(2,sup.):2. Feb. 1, 1965. 64.8 Z12
- 47934 REVELO, M. A. Effects of *Bacillus thuringiensis* on some lepidopterous pests of corn under tropical conditions. (Sp) Agr. Trop. 21(7):392-394. July 1965. 26 Ag8
- 47935 ROBERTI, D. Contribution to the study of the entomofauna of alfalfa in the territory of Piacenza. (It) Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.) 4(3):489-527. Ref. Dec. 1964. 16 M582
English summary.
- 47936 RONEY, J. N., and WENE, G. Protect the cotton plant from insect injury. Ariz. Univ. Ext. Bull. A-26, rev., 20 p. Mar. 1964. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station
Chemical control.
- 47937 ROZIC, R. *Lixus scabricollis* Boh., and important pest of sugar beets. (Se) Biljni Lek. 10(4):3-5. 1965. 421 B49
- 47938 SASTRY, K. S. M. Tobacco broken ring spot virus from India. Indian Phytopathol. 18(3):316-317. 1965. 464.8 In2
Insects as vectors.
- 47939 SCHUPHAN, W., and HENTSCHEL, H. Culture in harmony with site as an essential condition for insecticide-free culture and optimal biochemical quality illustrated by carrots (*Daucus carota* L.). (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:75-82. June 1965. 410.9 G31M
In relation to chlorinated hydrocarbon insecticide control of *Psila rosae* in France.
Includes discussion.
- 47940 SCHUPHAN, W., and HENTSCHEL, H. Culture in harmony with site as an essential condition for insecticide-free culture and optimal biochemical quality, illustrated on carrots (*Daucus carota* L.). (Ge) Qualitas Plant. Mater. Veg. 12(2):145-171, map. Ref. June 30, 1965. 64.8 M41
English summary.
In relation to chlorinated hydrocarbon insecticide control of *Psila rosae* in France.

- 47941 SERYI, N., and MAL'CHENKOVA, N. Stripe mosaic of wheat and its vector. (Rus) Kolkhoz.-Sovkhoz. Proizv. Moldavii 8:41-42. Aug. 1965. 20 Z45
Aceria tulipae.
- 47942 SETH, M. L. Further observations and studies on pigeon pea sterility. Indian Phytopathol. 18 (3):317-319. 1965. 464.8 In2
Caused by a virus, with Aceria cajani as vector.
- 47943 SHANDS, W. A., and others. Parasites of potato-infesting aphids in northeastern Maine. Maine. Agr. Exp. Sta. Tech. Bull. T-19,77 p. Ref. Oct.1965. 100 M28B
G. W. Simpson, C. F. W. Muesebeck, and H. E. Wave, joint authors.
U. S. Department of Agriculture, cooperating.
- 47944 SIMKO, K. Outbreaks of Aphis fabae Scopoli. (Cz) Za Vysokou Urodu 13(2):1-2, map. Feb.1, 1965. 64.8 Z12
Supplement to the journal.
On field crops.
- 47945 SINGH, S. R., and others. Fecundity of mustard aphid on different rapeseed and mustard species. Indian Oilseeds J. 9(3):215-219. Ref. July/Sept.1965. 307.8 In22
A. Narain, K. P. Srivastava, and J. A. Siddiqui, joint authors.
Lipaphis erysimi.
- 47946 SMRZ, J., and GAHER, S. Comparative experiment with dry seed dressing and with granular insecticides on sugar beets in 1964. (Cz) Agrochemia [Bratislava] 5(5):174-176. 1965. 385 Ag88
English summary.
- 47947 STOBWASSER, H. Study on residues of some organo-phosphates in carrot. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtsch. Mitt. 115:107-112. June 1965. 410.9 G31M
- 47948 TAKAGI, K., and KANEKO, T. Biological observation on the scolytid tea root borer (Xyleborus germanus Blanford) and tea stem borer (Xyleborus compactus Eichhoff) some notes on these Ambrosia fungi. (Ja) Jap Tea Res. Sta. Stud. Tea 31:54-58. Nov.1965. 68.18 Ok3
English summary.
- 47949 TARYANSKAYA, N. K. Study of chemical methods in control of spinach leaf miner [Pegomyia hyoscyami Panzer]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:451-456. 1964. 20 M857
On sugar beets controlled by benzene hexachloride and Thiram.
- 47950 TELENGA, N. A. Biological method of control of European corn borer. (Rus) Kukuruz 11:36-38. 1965. 59.8 K95
Pyrausta nubilalis.
- 47951 TOTH, S. Outbreak of Ceutorhynchus napi Gyllenhal. (Cz) Za Vysokou Urodu 13(2):6, map. Feb.1,1965. 64.8 Z12
Supplement to the journal.
As pest of rape; includes control.
- 47952 WILSON, J. Beneficial insects play important part in raising profitable crop for growers. Cotton Dig. 38(23):7. Feb.5,1966. 286.82 C822
Di-Syston and Dylox used as selective insecticides.
- Pests of Fruit and Nut Crops
- 47953 ARYA, H. C. Extractability of nucleic acids from the callus tissues of Phylloxera [vastatrix] gall and grape stem. Indian Phytopathol. 18(3):282-287. Ref. 1965. 464.8 In2
- 47954 BALAJ, D. Control of grape erineose (Eriophyes vitis PGST.). (Rum) Gradina Via Liva-da 14(5):67-68. May 1965. 80 G75
- 47955 BARYAKIN, A. Serious pest of apple orchards. (Rus) Kolkhoz.-Sovkhoz. Proizv. Azerbaidzh. 10:18-19. Oct.1965. 20 So732
Synanthedon myopaeformis; includes chemical control.
- 47956 BENNETT, F. D., and VAN WHERVIN, L. W. The occurrence of Aleurocanthus woglumi Ashby in Barbados and the establishment of its natural enemies. FAO Plant Protect. Bull. 13 (4):88-90. Aug.1965. 421 P692
The parasites Eretmocerus serius and Prospaltella opulenta for biological control of this citrus pest.
- 47957 BOGOVAC, M. Psylla spp. as pests of fruit trees. (Se) Biljni Lek. 10(4):13-14. 1965. 421 B49
- 47958 BROGDON, J. E., and LAWRENCE, F. P. Insects and mites of Florida citrus. Fla. Univ. Ext. Circ. 137B, 16 p.-folder. Nov.1965. 275.29 F66C
- 47959 BROWN olive scale (Saissetia oleae). Agr. Gaz. New S. Wales 76(12), back cover. Dec. 1965. 23 N472
Life history and chemical control of this pest, chiefly, of fruit and ornamentals.
- 47960 CHAN, K. C. Pineapple mealybug control with parathion dust and malathion wettable powder. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:109-118. Ref. Apr.1965. 65.9 F76R
English summary.
Pseudococcus brevipes.
- 47961 CHAN, K. C. Studies on the relationship between ant control and occurrence of pineapple mealybug wilt disease. (Ch) Taiwan Sugar Exp. Sta. Rep. 37:117-130. Ref. Jan.1965. 65.9 F76R
English summary.
For control of Pseudococcus brevipes and the associated virus disease.
- 47962 COCHEREAU, P. Control of a devastating insect of the coconut in the New-Hebrides; biological control of Aspidiotus destructor Signoret (Homoptera-Diaspinae) by Lindorus lophantae Blaisd. (Coleoptera-Coccinellidae) in the Vate Island. (Fr) Oleagineux 20(8/9):507-512. Aug./Sept.1965. 77.8 OL2
English summary, p.XXXIX.
- 47963 CROWE, T. J., and LEEUWANGH, J. The green looper. Kenya Coffee 30(358):433-437. Oct.1965. 68.29 C652
Epigynopteryx stictigramma (Lepidoptera, Geometridae).
- 47964 DODSON, P. G. C. Citrus pest control; recommendations for Swaziland 1965/66. Swaziland. Dep. Agr. Bull. 15, 11 p. 1965. 24 Sw24
- 47965 EGEEA, L. Pseudococcus citri Risso in the vineyards of Murcia and its control. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:1-3. 1964. 56.9 C332
From Ponencias y trabajos de la II Asamblea Nacional de Farmaceuticos Titulares, 1962.
- 47966 GAMBARO, P. I. Considerations on temporary infestation of "Adoxophyes reticulana" Hb. (Capua retoci; ama" Auct.) in Verona orchards. (It) Verona. Accad. Agr. Sci. Lett. Atti. Mem. (ser.6)15:21-24. 1963/64, pub. 1965. 16 V59
On apples and pears.
- 47967 GONCHAROVA, N. G. Control of black currant midge [Dasineura tetensi Rubs.] on currants. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:467-472. 1964. 20 M857
- 47968 HOELSCHER, C. E., HALTER, R. C., and DEAN, H. A. Citrus oil deposit with an aerosol sprayer. Rio Grande Val. Hort. Soc. J. 19: 12-16. 1965. 81 L95
- 47969 HOLMES, F. O., LAL, S. B., and SHANTA, P. Cowpea inoculation test for diagnosis of coconut wilt disease in India. FAO Plant Protect. Bull. 13(2):30-34. Apr.1965. 421 P692
Stephanitis typicus, regarded as the vector.
- 47970 HOWITT, A. J., and PSHEA, A. The biology and control of the raspberry crown borer, Bembea marginata (Harr.) in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):167-172. Nov.1965. 100 M58S
Chemical control.

- 47971 HOWITT, A. J., PSHEA, A., and CARPENTER, W. S. Causes of deformity in strawberries evaluated in a plant bug control study. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):161-166. Nov. 1965. 100 M58S
Experiments with insecticides to combat injuries due to bugs, cutworms, and faulty pollination.
- 47972 HOWITT, A. J., and PSHEA, A. The development and use of ultra low volume ground sprayers for pests attacking fruit. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):144-160. Nov. 1965. 100 M58S
Includes mite and pest control results with various insecticides.
- 47973 JERICIC, M. Measures for the protection of fruit and forests against *Porthetria dispar* in 1965 on territory of the FR Serbia. (Se) Biljni Lek. 10(3):1-4. 1965. 421 B49
- 47974 KNORR, L. C. Zineb contra-indicated as a control for leprosis in citrus. Trop. Agr. [St. Augustine] 42(2):175-176. Apr. 1965. 26 T754
Caused by *Brevipalpus californicus* and *B. obovatus* in Florida.
- 47975 KORCHAGIN, V. N. Protection of berries against pests. (Rus) Sadovodstvo 2:33-35. Feb. 1966. 80 Sa13
Cultural and chemical control of insects.
- 47976 KRCZAL, H. Studies on the control of black currant gall mite [*Phytoptus ribis*]. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:141-145. June 1965. 410.9 G31M
With insecticides.
- 47977 MAKRAKOVA, E. M. The effectiveness of various economic poisons in the control of *Eriophyes ribis* Nal. under various dates of application. (Rus) Khim. Sel'skom Khoz. 3 (12):33-34. Dec. 1965. 385 K524
Currants pest control tests.
- 47978 MATHYS, G., and BAGGIOLINI, M. Practical application of integrated pest control in fruit orchards in Western Switzerland. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:21-30. June 1965. 410.9 G31M
Includes discussion.
- 47979 MORRISON, H. E. Mint pest control in 1965. Oreg. Essent. Oil Growers League. Proc., 17th Annu. Meeting:12-16. 1966. 308.9 Or3
Chemical control.
- 47980 MULLER, G. W., and COSTA, A. S. Citrus false exanthema induced by feeding of a myriid [*Platytylus bicolor*]. FAO Plant Protect. Bull. 12(5):97-104. Ref. Oct. 1964. 421 P692
Brazil.
- 47981 NAKAJIMA, S., SHIMIZU, K., and NAKAJIMA, Y. Some studies on injurious insects of tropical and subtropical fruit trees in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):257-272. Dec. 1965. 22.5 M6932B
English summary.
- 47982 NOHARA, K., and TASAKA, T. On the relation between the chemical components of the leaves of *Citrus natsudaoides* Hayata and the population density of *Unaspis yanonensis* Kuwana. (Ja) Kyushu Univ. Fac. Agr. Sci. Bull. 22(1):23-27. Ref. Oct. 1965. 107.6 K995B
English summary.
- 47983 ORTUNO MARTINEZ, A. Insects of citrus in Murcia and plant protection treatment. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62: 107-115. 1964. 56.9 C332
Insecticides used on Coccoidea.
From Acta Salmaticensis, Ciencias.
- 47984 PLAUT, H. N. *Paropta paradoxus* [Cossidae], a new pest on grapevine. FAO Plant Protect. Bull. 12(6):139-140. Dec. 1964. 421 P692
Israel.
- 47985 PORTER, B. A. The eastern tent caterpillar [*Malacosoma americanum*]. U. S. D. A. Leaflet. 161, slightly rev., 6 p.-folder. Dec. 1965. 1 Ag84L
Chiefly chemical control of this pest of fruit.
- 47986 PRISHCHEP, L. G., and SERGEEV, A. V. High-voltage traps for flying insects in orchards and vegetable gardens. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:543-547. 1965. 20 M857
- 47987 REZAC, M. *Tanymecus palliatus*, a pest of fruit trees. (Cz) Ovocnarstvu Zelnarstvu 14 (1):13. 1966. 80 Ov64
- 47988 SHAUMYAN, K. V. Bud differentiation in black currants and currant bud mite [*Eriophyes ribis*]. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:371-375. 1965. 20 M857
As vector of reversion virus.
- 47989 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. HORTICULTURAL BR. Pests of grapevines. S. Australia J. Agr. 69(6):194-201. Jan. 1966. 23 So84
Chemical control.
- 47990 STEINER, H. Testing breadth of effect of plant protection agents in integrated control in fruit culture. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. Mitt. 115:30-34. June 1965. 410.9 G31M
Insecticides.
- 47991 SZALAY-MARZSO, L. The plant lice. (Hu) Buvar 10(4):227-230. July/Aug. 1965. 410 B98
Includes chemical control on fruit and field crops.
- 47992 VARMA, P. M., RAO, D. G., and CAPOOR, S. P. Transmission of tristeza virus by *Aphis craccivora* Koch and *Dactynotus faceae* (L.). Indian J. Agr. Sci. 35(2):85-89. Ref. June 1965. 22 Ag83I
Citrus.
- 47993 VENKATRAMAN, T. V., and EL KHIDIR, E. Occurrence of Mediterranean fruit fly [*Ceratitis capitata*] spread of Sudan bollworm [*Diparopsis waltersi*] of cotton. FAO Plant Protect. Bull. 13(1):22. Feb. 1965. 421 P692
Sudan.
- 47994 VERGEER, T. The red-banded leaf-roller, *Argyrotaenia velutinana* Walker, an insect injurious to blueberries. Elisha Mitchell Sci. Soc. J. 81(2):117-119. Nov. 1965. 500 EL4
Includes control.
- 47995 WHITNEY, D. Sterile flies used to combat *Dacus*; enemy of olives subjected to radioisotope technique. Natur. Hist. 75(3):30-35. Mar. 1966. 500 N483J
Dacus oleae.

Pests of Ornamentals, Greenhouses, and Nurseries

- 47996 BODOR, J. *Autographa gamma* L. larvae attacking ornamental plants. (Hu) Kerteszeti Szolozs. 15(1):13. Jan. 1966. 80 K474
- 47997 HODGMAN, M. G. The big bud mite [*Phytoptus ribis*] of yew [*Taxus baccata*]. Roy. Hort. Soc. J. 91(3):133-134. Mar. 1966. 84 L84J
Includes chemical control.
- 47998 JANARTHANAN, R., and GOPALAN, M. Notes on some pests of *Terminalia catappa* Linn. (the country almond) from South India. Madras Agr. J. 52(12):524-525. Dec. 1965. 22 M262
- 47999 LEIBER, E. On the habits of carnation fly, *Phorbia* (*Delia*) *brunnescens* Zett. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:229-232. June 1965. 410.9 G31M
- 48000 SMITH, F. F., BOSWELL, A. L., and JACKLIN, S. W. Zectran insecticide controls the omnivorous leaf roller [*Platynota stultana*], a greenhouse pest. Down Earth 20(4):18-22. Ref. Spring 1965. 381 D75
- 48001 SZUCS, J. A dangerous pest of hotbeds. (Hu) Rovartani Kozlemenyek (n.s.) 18(1/17):295-296. 1965. 420 So12
Bibio hortulanus.

- 48002 WOLF, D. D., and SAVOS, G. M. Observations of frit fly [*Oscinella frit*] injuries on reed canarygrass [*Phalaris arundinaceae*]. FAO Plant Protect. Bull. 13(1):14-16. Feb.1965. 421 P692
Connecticut.

Pests of Stored Products and Processed Commodities

- 48003 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Orange fumigation kills fruit fly. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 51:21-22. June 1965. 23 R88
Use of ethylene dibromide on *Dacus tryoni*.
- 48004 DENMARK, STATENS SKADEDYRLABORATORIUM. Arsberetning. Annual report [of the Government Pest Infestation Laboratory], 1964. Lyngby, 1965. 80 p. 423.92 D41
Text in Danish and English.
The Laboratory's activities against stored products pests and household pests.
- 48005 DOHRING, E. Cockroach-killing effectiveness of phosphoric esters and carbamates in sprays. (Ge) Z. Angew. Zool. 52(2):145-172. Ref. 1965. 449.8 Z36
English summary.
- 48006 EBELING, W. Another war on cockroaches. Public Works 97(1):83. Jan.1966. 290.8 M922
With Dri-Die and Drione.
- 48007 ELDER, R. J. Controlling pests in unthreshed maize. Power Farming Australia New Zeal. Better Farming Dig. 75(1):39. Jan.1966. 58.8 P87
Chiefly with malathion.
- 48008 FARKAS, J. The effect of food moisture on the increase of some storage insect and mite pests. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet Kozlem. 1:14-18. Ref. 1965. 389.9 B85
English summary.
Tribolium confusum, *Alphitobius diaperinus* and *Tyrophagus dimidiatus* studied.
- 48009 FARKAS, J. The effect of hvdrature in food-stuffs on the reproduction of some pests and mites damaging stored products. Acta Biol. 16(3):217-225. Ref. 1966. 475 Ac85
Tribolium confusum, *Tyrophagus dimidiatus* and *Alphitobius diaperinus* studied.
- 48010 FRENCH, J. C., and SAMPLES, L. E. Control insects in stored peanuts. Ga. Univ. Ext. Leaflet. 40,7 p.-folder. Oct.1965. 275.29 G29L
- 48011 GOJMERAC, W. L. Controlling box-elder bugs. Wis. Univ. Ext. Spec. Circ. 110,4 p. Sept.1965. 275.29 W75S
Chemical control of *Leptocoris trivittatus*, a household pest.
- 48012 GOJMERAC, W. L. Controlling strawberry root weevil and sweet clover root weevil. Wis. Univ. Ext. Spec. Circ. 109,4 p. Sept.1965. 275.29 W75S
Chemical control of *Brachyrhinus ovatus* and *Sitona cylindricollis* as household pests.
- 48013 JOUBERT, P. C., and DU TOIT, D. M. Tests with ethylene oxide in carbon dioxide as a grain fumigant. I. Small laboratory applications. So. Afr. J. Agr. Sci. 8(3):797-816. Sept. 1965. 24 Su3
- 48014 KNOWLTON, G. F. Let's protect stored food from insects. Utah. State Univ. Ext. Entomol. Mimeo Ser. 69,1 p. Dec.1965. 275.29 Ut1En
- 48015 LISCOMBE, E. A. R. Insect and rodent contamination of boxcar origin. Northwest. Miller 273(3):32-34. Mar.1966. 298.8 N81
Grain.
- 48016 MCSPADDEN, P. The infestation and rodent contamination of flour & cereal box cars has worsened. Amer. Miller Processor 94(3):27-28. Mar.1966. 298.8 Am32
- 48017 MCSPADDEN, P. S. Infestation and rodent contamination of boxcar origin. Northwest. Miller 273(3):24-26. Mar.1966. 298.8 N81
Flour.

- 48018 NAGASAWA, S., and SHIBA, M. Studies on the biological assay of insecticides. LIV. Residual toxicity of dieldrin to the German cockroach evaluated from the individual records. (Ja) Botyu-Kagaku 30(4):115-119. Nov.1965. 421 B65
English summary.
Blattella germanica.

- 48019 OKUMURA, G. T., and STRONG, R. G. Insects and mites associated with stored foods and seeds in California. II. Calif. Dep. Agr. Bull. 54(1):13-23. 1965. 2 C12M
- 48020 THE PRESENT situation in the mothproofing of wool. 2. Wool Sci. Rev. 28:33-47. Ref. Nov.1965. 304.8 W887
- 48021 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Clover mites [*Bryobia praetiosa* complex]; how to control them around the home. U. S. D. A. Leaflet. 443, slightly rev., 6 p.-folder. Dec.1965. 1 Ag84L
Chemical control.
- 48022 U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Protecting home-cured meat from insects. U. S. D. A. Home Gard. Bull. 109,6 p.-folder. Nov. 1965. 1 Ag84Hg
Chemical control before and during storage.
- 48023 VALTADOROS, A. Recent research on bug-infested wheat. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:205-217. Ref. 389.9 Ar1
Literature survey on Pentatomidae contamination.
- 48024 WAGNER, R. E., EBELING, W., and RIERSON, D. A. Control of cockroaches in sewers. Public Works 97(1):82-84. Jan.1966. 290.8 M922
With Vapona and Drione.
- 48025 WEIDNER, H. Importance of pests in the inland storage of imported foods. (Ge) Z. Angew. Zool. 52(4):491-505. Ref. 1965. 449.8 Z36
English summary.
- 48026 WILLIAMS, V. A. The estimation of mothproofing agents in wool. Textile Res. J. 36(1):1-7. Ref. Jan.1966. 304.8 T293
Dieldrin, DDT and dilene used.
- 48027 WILLIAMS, V. A. Newer insecticides as insectproofing agents for wool. Textile Res. J. 35(12):1098-1105. Ref. Dec.1965. 304.8 T293

Pests of Trees and Wood Products

- 48028 ALTENKIRCH, W. Preservation of bird life and control of oak leaf roller (*Tortrix viridana* L.). (Ge) Z. Angew. Zool. 52(2):197-244, map. Ref. 1965. 449.8 Z36
English summary.
- 48029 BECKER, G. Tests on the effectiveness of synthetic contact insecticides against four termite species. (Ge) Holz Roh- Werkstoff 23(12):469-478. Ref. Dec.1965. 99.81 H74
English summary.
On oakwood and pine sapwood samples.
- 48030 BECKER, W. B. Worm-hole-free lumber salvaged from borer-damaged pine logs. J. Forest. 64(2):126-128. Feb.1966. 99.8 F768
Wood boring Coleoptera spp. in Massachusetts.
- 48031 BLETCHLY, J. D. Woodworm problems in buildings. Timber Plywood Annu. 1965:176,178. 99.81 T489A
Wood pests.
- 48032 BREEZE, J. E. Insect attack and decay. Timber Plywood Annu. 1965:180. 99.81 T489A
On wood.
- 48033 BROWN, K. W. Dry-wood termites in structural timber in Uganda. Uganda. Forest. Dep. Tech. Note 121,3 p. 1965. 99.9 Ug12Te
Cryptotermes dudleyi and *Bifiditermes mutuae*.
- 48034 BROWN, L. R., and EADS, C. O. A technical study of insects affecting the sycamore tree in southern California. Calif. Agr. Exp. Sta. Bull. 818,38 p. Ref. Oct.1965. 100 C12S

- 48035 CARLSON, R. W., and COLE, W. E. A technique for sampling populations of the mountain pine beetle [*Dendroctonus monticolae*]. U. S. Forest Serv. Res. Paper INT-20, 13 p. 1965. A99.9 F764U
On lodgepole pine in Utah and Wyoming.
- 48036 CHATTERJEE, S. N., and RAYCHAUDHURI, S. P. A note on aphid [*Rhopalosiphum maidis* and *Myzus persicae*] transmission of mosaic disease of mulberry [*Morus indica*]. Indian Phytopathol. 18(3):319-320. 1965. 464.8 In2
- 48037 CORNELIUS, R. O. The loggers' role in forest insect control. Pacific Logging Congr. Loggers Handbook 25(sect.1):23-26. 1965. 99.76 P112La
Insect control and related pesticide problems in the Northwest.
- 48038 FIELD test wins praise for pesticide carrier. Nav. Stores Rev. Terpene Chem. 75(10):9,18. Jan.1966. 99.81 N22
Use of Seven-Eleven as wetting agent with benzene hexachloride in control of *Dendroctonus terebrans*.
- 48039 FURUNO, T. The damage-analysis on the growth of middle-aged Japanese red pine (*Pinus densiflora*) infested with pine caterpillar (*Dendrolimus spectabilis*). (Ja) Kyoto Univ. Bull. Kyoto Univ. Forests 37:9-24. Ref. Nov. 1965. 99.9 K993
English summary.
- 48040 HUBBELL, R. J., BARTON, C., and SCHRAEDER, K. K. Field tests of lindane for flat-headed borer control. Calif. Dep. Conserv. Div. Forest. State Forest Notes 26, 3 p. Nov. 1965. 99.9 C122S
Melanophila californica, pest of pine.
- 48041 JOHNSON, N. E., and BUFFAM, P. E. A test of ten insecticides for controlling the hemlock looper. Weyerhaeuser Co. Forest. Res. Center. Weyerhaeuser Forest. Pap. 6, 10 p. Nov.1965. 99.9 W542W
Lambdina fiscellaria.
- 48042 KOKOVIC, S. Some entomological observations during the control of *Porthetria dispar* by aircraft in 1964 in the environs of Krusevac. (Se) Biljni Lek. 10(3):5-7. 1965. 421 B49
As forest pest.
- 48043 KONIG, E. Simplification of snout beetle control through prophylactic treatment of plants in transplant beds. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:173-179. June 1965. 410.9 G31M
Control of *Hylobius abietis* with insecticides.
- 48044 KUDLER, J. Infection of the European pine sawfly (*Neodiprion sertifer* Goeffr.) by dissemination of a virus during regression stage of its mass outbreak. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(4):359-366. Ref. Apr. 1965. 99.9 C334
English summary.
Includes effect on larvae.
- 48045 LUR'E, M. A. Some little known stem pests of Norway spruce. (Rus) Zool. Zhur. 44(11):1726-1727. 1965. 410 R92
English summary.
- 48046 MELNIKOVA, N. I. *Dendroctonus micans* Kug. in the Carpathians. (Rus) Zool. Zhur. 44(12):1866-1869. Ref. 1965. 410 R92
English summary.
On *Picea*.
- 48047 NISHINO, M., FURUHASHI, K., and MATSUNAGA, Y. Study on forecasting the occurrence of the arrowhead scale, *Unaspis yanonensis* Kuwana. I. The period and the type of emergence of the 1st generation. (Ja) Shizuoka. Citrus Exp. Sta. Bull. 5:69-93. Ref. Oct.1965. 93.33 Sh62B
English summary.
Pest of trees.
- 48048 PATOCKA, J. Chemical control of bark beetles of spruce. (Cz) Les [Bratislava] 21(5):150-151,158. May 1965. 99.8 L5632
- 48049 REDISKE, J. H., and JOHNSON, N. E. The absorption and translocation of the systemic insecticide Schradan in Sitka spruce [*Picea sitchensis*] and grand fir [*Abies grandis*]. Weyerhaeuser Co. Forest. Res. Center. Weyerhaeuser Forest. Pap. 5, 9 p. Aug.1965. 99.9 W542W
To control *Pissodes sitchensis* and *Adelges piceae*.
- 48050 ROY, R. Battle against the Swaine jack pine sawfly [*Neodiprion swainei*]. Pulp Pap. Mag. Can. 67(1):WR10,WR39. Jan.1966. 302.8 P96
Aerial spraying.
- 48051 SCHWENKE, W. Successful bark beetle control with toxic trap trees. (Ge) Allg. Forstz. 21(5):84-85. Jan.29,1966. 99.8 AL52
Ips typographus.
- 48052 SIMIONESCU, A. Forecasting main forest pests for 1965. (Rum) Rev. Padurilor 80(7):370-373. July 1965. 99.8 R327
English summary.
- 48053 SKUHRAVA, M. Distribution and injuriousness of *Taxomyia taxi* (Inchbald) in Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Vodniho Hospodar. Ustav Vedeckotech. Inform. Les. Cas. 38(1):71-78, map. Ref. Jan.1965. 99.9 C334
English summary.
Taxus baccata.
- 48054 TAMBERG, J., and ARU, L. Damage caused to birches by goat moths (*Cossus cossus* L.). (Es) Eesti Loodus 3:170. May/June 1965. 409.6 Ee7
English summary, p.4 preceeding p.129.
- 48055 TITZE, J. F., and MUCHA, S. Testing of vigorous regrowth trees for resistance to *Sirex* by infestation with caged insects. Australian Forest Res. 1(4):14-22. 1965. 99.8 Au76
Possible effect of resin flow.
- 48056 VASHISTH, K. S., and NAGAICH, B. B. *Morus indica*, an additional host of fig mosaic. Indian Phytopathol. 18(3):315. 1965. 464.8 In2
Aceria ficus as vector.
- 48057 WALGENBACH, D. D., and BENJAMIN, D. M. Evaluation of *Bacillus thuringiensis* Berliner (Thuricide 90T) for control of the pine tussock moth [*Dasychira plagiata*]. Forest. Res. Notes 121, 3 p. June 1965. 99.8 F76292
On *Pinus banksiana*.
- 48058 WALGENBACH, D. D., and others. Evaluation of the 1964 aerial control operation on the pine tussock moth [*Dasychira plagiata*]. Forest. Res. Notes 120, 2 p. June 1965. 99.8 F76292
D. M. Benjamin, F. S. Morse, and R. B. Stewart, joint authors.
Control with DDT in Wisconsin.
- 48059 WALGENBACH, D. D., BENJAMIN, D. M., and STEWART, R. B. Late summer field evaluation of Dibrom and Phosphamidon for the control of early instar larva of the pine tussock moth [*Dasychira plagiata*]. Forest. Res. Notes 117, 3 p. Apr.1965. 99.8 F76292
On *Pinus banksiana* and *Pinus resinosa*.

Apiculture and Apis Mellifera

- 48060 BODRYAGIN, V. I., and others. Sounds produced by honeybees during their signal movements. (Rus) Akad. Nauk SSSR. Dokl. 166:753-756. 1966. 511 P444A
I. A. Levchenko, L. I. Frantzevich, and I. I. Shalimov, joint authors.
Apis mellifera acervorum.
- 48061 BRAUN, E. Nuclei. (Ge) Deut. Bienenwirtschaft. 17(1):14-16. Jan.1966. 424.8 D489
- 48062 BRISCOE, D. A. Swarm control of bees necessary to avoid honey production loss. New Zeal. J. Agr. 112(1):31-32. Jan.1966. 23 N48J
- 48063 BUBIEN, Z. Intoxication of bees with [methyl] parathion. (Pol) Med. Weter. 21(7):421-423. Ref. July 1965. 41.8 M463
English summary.

- 48064 BUTLER, C. G. The effects of extracts of queens of various social insects on queen rearing and the development of workers' ovaries in the honeybee (*Apis mellifera*). (Ge) Z. Bienenforsch. 8(5):143-147. Jan.1966. 424.8 Z3
English summary.
- 48065 CAILLAS, A. Advantages and disadvantages in the use of ammonium nitrate. (Fr) Gaz. Apic. 67(704):3-4. Jan.1966. 424.8 G25
- 48066 CHOBAUT, H. Apiculture in the Comtat Venaissin through the ages. (Fr) Gaz. Apic. 67(704):8-10. (Cont.) Jan.1966. 424.8 G25
Rare documents recording sales, exchanges, etc. of hives and products of the hive from the 14th to the 18th century.
- 48067 DEICHMANN, W. Problems and possibilities of a sensible apicultural observation service. (Ge) Deut. Bienenwirtsch. 17(2):36-37. Feb. 1966. 424.8 D489
Honey flows, honeydew flows, and races of bees.
- 48068 DOONAN, T. Free publicity. Gleanings Bee Cult. 93(12):727-728. Dec.1965. 424.8 G47
Apiculture public relations on television.
- 48069 GIORDANI, G. Some impressions on bee research and practice in the U.S.A. Amer. Bee J. 106(3):92-93. Mar.1966. 424.8 Am3
- 48070 HANSSON, A. Water evaporation in the beehive with special reference to winter feed. (Sw) Bitidningen 65(1):8-10. Jan.1966. 424.8 B54
- 48071 HAUCK, E. Do we need a central research center for investigating bee poisonings? (Ge) Deut. Bienenwirtsch. 17(1):2-5. Jan.1966. 424.8 D489
- 48072 JOHANSEN, C. Pollination and bee poisoning. Wash. State Univ. Ext. E. M. 2196, rev., 3 p. Jan.1966. 275.29 W27Mi
Toxicity to insecticides; includes honeybee.
- 48073 JOHANSSON, J. Causes of winter and spring losses. (Sw) Bitidningen 65(2):60-61. Feb. 1966. 424.8 B54
Colony management.
- 48074 KAILIDES, D. S. The pine insect, feeder of honey bees, *Monophlebus hellenicus* (Marchalina hellenica) Genn. (Gre) Dassika Chron. 7(7/8): 305-320. Ref. July/Aug.1965. 99.8 D263
English summary.
Honeydew production on *Pinus brutia* and *P. halepensis*.
- 48075 KENNERLY, A. B. Old folks' system of beekeeping. Gleanings Bee Cult. 93(12):713-716. Dec.1965. 424.8 G47
Labor-saving equipment for lifting hives.
- 48076 KOOVER, C. J. Save your back! Gleanings Bee Cult. 93(12):730-731. Dec.1965. 424.8 G47
Fingertip handholds for handling beehives.
- 48077 LAKE, V. S. Swarming at Christmas. Gleanings Bee Cult. 93(12):717-718, 755. Dec.1965. 424.8 G47
Republic of South Africa.
- 48078 LAVREKHIN, F. A. Comparative observations on the flight activity of drones. 4 p. Transl. 14068
Translation from Pchelovodstvo 37(3):43-45. Mar.1960.
- 48079 LEGA, G. The first international apicultural fair and exposition. (It) Apicolt. Ital. 32(4/5): 85-87. July/Oct.1965. 424.8 Ap372
In Bucharest, Rumania.
- 48080 LYSNE, J. Harvesting the honey crop. Amer. Bee J. 106(3):87. Mar.1966. 424.8 Am3
- 48081 MARTINOV, A. Honey flow and weather at Ultuna in 1965. (Sw) Bitidningen 65(2):42-45. Feb.1966. 424.8 B54
- 48082 NIEMCZUK, R., and TOMASZEWSKA, B. A case of septicemia of the honey bee in Lower Silesia. (Pol) Med. Weter. 21(8):483-485. Aug.1965. 41.8 M463
- 48083 PARTIOT, L. Apiculture in the time of King Stanislas. (Fr) Gaz. Apic. 67(704):17-19, 16. Jan.1966. 424.8 G25
- 48084 PAULSEN, A. E. The masterpiece of the beekeeper—queen rearing. (Da) Tidsskr. Biavl 100(2):32. Feb.20,1966. 424.8 T43
- 48085 PETERSEN, J. A type of management with the stacking of beehives. (Da) Tidsskr. Biavl 100(1):10-12. Jan.20,1966. 424.8 T43
- 48086 POPOVICI, V. On the additional pollination of forest trees by bees. (Rum) Rev. Padurilor 80(7):367-370. Ref. July 1965. 99.8 R327
Honeybees.
- 48087 REITER, J. First international beekeeping show in connection with the XX. International Jubilee Congress of Apimondia in Bucharest. (Ge) Deut. Bienenwirtsch. 17(1):5-8. Jan. 1966. 424.8 D489
- 48088 ROSDAHL, H. Ventilation and winter feeding. (Sw) Bitidningen 65(1):20. Jan.1966. 424.8 B54
- 48089 SACCHI, R., and BOSI, G. Contribution to the knowledge of the acid fractions in royal jelly. (It) Apicolt. Ital. 32(4/5):99-105. July-Oct. 1965. 424.8 Ap372
English summary.
- 48090 SIMPSON, J. Repellency of the mandibular gland scent of worker honey bees. Nature [London] 209(5022):531-532. Ref. Jan.29,1966. 472 N21
10-hydroxy-2-decenoic acid.
- 48091 SMITH, G. R. Florida is for beekeeping. Gleanings Bee Cult. 93(12):752. Dec.1965. 424.8 G47
- 48092 SODERLUND, O. Causes of winter and spring losses. (Sw) Bitidningen 65(1):15-16. Jan. 1966. 424.8 B54
Chiefly bee nutrition.
- 48093 STUTE, K. Plant protection methods harmless to bees [*Apis mellifera*]. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:70-75. June 1965. 410.9 G31M
With insecticides.
Includes discussion.
- 48094 TONTZ, C. Clamp down the lid on dangerous beekeeping. Gleanings Bee Cult. 93(12):742-743. Dec.1965. 424.8 G47
Maintain gentle bees that don't sting.
- 48095 VAGT, W. The momentary status of their toxicity to bees of pesticides recommended by us. (Ge) Obstbauversuchsring Alten Landes. Mitt. 20(4):133-134. Apr.1965. 85 J76
- 48096 VALLE, O., and BERGT, K. Honeybees as pollen and nectar collectors in red clover. Suomalainen Tiedeakatemia. Ann. Ser. A, IV. Biol. 91,15 p. Ref. 1965. 442.9 H36
- 48097 WENNER, C. G. Shipping airplane loads of bees. Amer. Bee J. 106(3):95. Mar.1966. 424.8 Am3
- 48098 WHITCOMB, W. Controlling the greater wax moth [*Galleria mellonella*], a pest of honeycombs. U. S. D. A. Farmers' Bull. 2217, 12 p. Dec.1965. 1 Ag84F
- 48099 WITHERELL, P. C. Acceptability of drone vs. worker comb foundation. Gleanings Bee Cult. 93(12):719. Dec.1965. 424.8 G47

Sericulture and the Silkworm

- 48100 ARUGA, H., and WATANABE, H. The effect of high temperature on the infection with cytoplasmic polyhedrosis viruses and on interference between viruses in the silkworm, *Bombyx mori* L. (Ja) J. Sericult. Sci. Jap. 34(6):391-394. Nov.1965. 425.9 Se6
English summary.
- 48101 ARUGA, H., TANAKA, S., and SHIMIZU, T. Interference by the infectious flacherie virus on the cytoplasmic-polyhedrosis virus in the silkworm, *Bombyx mori* (Linnaeus). (Ja) J. Sericult. Sci. Jap. 34(6):385-390. Ref. Nov. 1965. 425.9 Se6
English summary.

- 48102 BRICTEUX-GREGOIRE, S., JEUNIAUX, C., and FLORKIN, M. Contributions to the biochemistry of the silkworm. XXX. Biosynthesis of trehalose and glycogen from [C^{14} -labelled] glucose-1-phosphate. (Fr) Compar. Biochem. Physiol. 16(4):333-340. Dec.1965. 444.8 C73 English summary.
- 48103 CHU, Y. K. Experiment on the improvement of tropical silkworm races introduced from Vietnam and Thailand. (Ch) Agr. Ass. China. J. (n.s.)51:73-83. Sept.1965. 22.5 Ag862 English summary. Taiwan.
- 48104 FUJII, M., and HONDA, S. Smoke from tile work injurious to silkworms and mulberry plants. (Ja) J. Sericult. Sci. Jap. 34(6):423-426. Ref. Nov.1965. 425.9 Se6
- 48105 GOLANSKI, K. Frequency of occurrence of mulberry silkworm (*Bombyx mori* L.) disease in Poland according to breeding size. (Pol) Med. Weter. 21(8):473-476. Ref. Aug.1965. 41.8 M463
- 48106 GOLANSKI, K. Influence of diseases of mulberry silkworm (*Bombyx mori* L.) on cocoon yield in Poland. (Pol) Med. Weter. 21(10):592-596, map. Ref. Oct.1965. 41.8 M463
- 48107 GOTO, M., and others. Studies on the mulberry and related material. 1. (Ja) Takeda Chem. Indus. Res. Lab. Annu. Rep. 24:55-65. Ref. Nov.1965. 396.9 T13
M. Kamada, S. Imai, T. Murata, S. Fujioka, E. Fujita, and Y. Hamamura, joint authors.
English summary.
Analysis of *Morus* leaves and *Bombyx mori* feces.
- 48108 HIGUCHI, Y. Properties of the twelfth generation of the eri-silkworm reared successively on an artificial food. (Ja) J. Sericult. Sci. Jap. 34(6):415-417. Nov.1965. 425.9 Se6
- 48109 HIRANO, C. The induction of sexual sterility in the silk-worm moth by an alkylating agent, apholate. (Ja) Botyu-Kagaku 30(4):109-114. Ref. Nov.1965. 421 B65 English summary.
- 48110 IKENAGA, M., and KONDO, S. Comparative studies of mutation frequencies induced by ^{32}P treatment and gamma-irradiation in the male silkworm. Mutation Res. 2(6):534-543. Ref. Dec.1965. 443.8 M98
- 48111 KAWAKITA, T., and others. Bacteriological studies on the bacterial groups isolated by the anaerobic culture method from silkworm larvae infected with flacherie and unidentified bacteria taken on mulberry leaves. (Ja) J. Sericult. Sci. Jap. 34(6):375-384. Ref. Nov.1965. 425.9 Se6
T. Ishisaka, T. Watanabe, and K. Hayashi, joint authors.
- 48112 KITAMURA, A. Studies on the penetrating ability of surface active agents to cocoon layer. (Ja) J. Sericult. Sci. Jap. 34(6):400-404. Ref. Nov.1965. 425.9 Se6
Bombyx mori studied.
- 48113 KUROSE, T. Studies on the dietetical value of phosphorus-deficient mulberry leaves. IV. On the relationship between the concentration of non-protein nitrogen, phosphorus and sugar in the phosphorus-deficient leaves and the growth of the silkworm larvae. (Ja) J. Sericult. Sci. Jap. 34(6):405-409. Ref. Nov.1965. 425.9 Se6 English summary.
- 48114 KUROSE, T. Studies on the dietetical value of phosphorus-deficient mulberry leaves. V. Influence of some fractions of phosphorus-deficient mulberry leaves on the growth of the silkworm larvae. (Ja) J. Sericult. Sci. Jap. 34(6):410-414. Ref. Nov.1965. 425.9 Se6 English summary.
- 48115 MACHIDA, Y. Studies on the silk glands in the silkworm, *Bombyx mori* L. I. Morphological and functional studies of Filippi's glands in the silkworm. (Ja) Kyushu Univ. Fac. Agr. Sci. Bull. 22(1):95-108. Ref. Oct.1965. 107.6 K995B English summary.
- 48116 MATSUZAKI, K. Fractionation of amino acid-specific s-RNA from silk gland by methylated albumin column chromatography. Biochim. Biophys. Acta 114(2):222-226. Ref. Feb.21, 1966. 381 B522
From *Bombyx mori*.
- 48117 MUKAI, J. I. An endonuclease from silkworm—purification and mode of action. Biochem. Biophys. Res. Commun. 21(6):562-567. Ref. Dec.21, 1965. 442.8 B5236
From the digestive juice of the larva.
- 48118 NEULAT, M. M. Characterisation of the DNA from the silk glands of *Bombyx mori* L. (Ge) Biochim. Biophys. Acta 114(1):95-99. Ref. Jan.18, 1966. 381 B522 English summary.
- 48119 PANT, R., and SHARMA, S. C. Changes in citrate level in *Philosamia ricini* during embryonic development. Indian J. Exp. Biol. 3(4):273-274. Oct.1965. 442.8 In2
- 48120 PANT, R., and LACY, P. S. Variation in reducing power of *Philosamia ricini* pupal haemolymph during metamorphosis. Indian J. Exp. Biol. 3(4):274-275. Ref. Oct.1965. 442.8 In2
- 48121 SHIGEMATSU, H., TAKESHITA, H., and ONODERA, S. Effect of actinomycin and mitomycin on fibroin synthesis in the posterior silk gland of *Bombyx mori*. J. Biochem. 58(6):604-606. Dec.1965. 385 J822
- 48122 TADA, R. Outline of government sericultural policy and Zenyoren's cocoon production measures for 1966. Silk Dig. 229:2-3. Feb.1966. 304.8 Si33 Japan.
- 48123 YOSHITAKE, N., and HASHIGUCHI, T. On the non-specific esterase activity in the ganglia of the silkworm, *Bombyx mori*, L. (Ja) J. Sericult. Sci. Jap. 34(6):395-399. Nov.1965. 425.9 Se6 English summary.

TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL

General

- 48124 ALLAN, P. B. M. Will-o'-the-wisp. Entomol. Rec. J. Variation 77(11):252-259. (Cont.) Nov. 1965. 421 En89
Ignis fatuus thought to be luminescent insects.
- 48125 BIRCH, L. C. Evolutionary opportunity for insects and mammals in Australia. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.197-213, map. Ref. 1965. QH371.I5 Includes discussion.
- 48126 BISHOP, R. A., and HUNGERFORD, C. R. Seasonal food selection of Arizona Mearns quail. J. Wildlife Manage. 29(4):813-819. Oct.1965. 410 J827 Includes insects.
- 48127 DEBACH, P. Some biological and ecological phenomena associated with colonizing entomophagous insects. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.287-306, map. Ref. 1965. QH371.I5 Includes discussion.
- 48128 DUFF-MACKAY, A. Notes on the biology of the carpet viper, *Echis carinatus pyramidum* (Geoffroy), in the northern frontier Province of Kenya. East Afr. Natur. Hist. Soc. Nat. Mus. J. 25(1):28-40. Jan.1965. 410.9 Ea73 Includes arthropods as feed.
- 48129 GHILAROV, M. S. The evolution of insects, change to passive dispersal, and the feed-back principle in relation to phylogenetic development. (Rus) Zool. Zhur. 45(1):3-23. Ref. 1966. 410 R92 English summary.

- 48130 GILLON, Y., and GILLON, D. Study of a method for the quantitative analysis of populations in herbaceous milieu. (Fr) *Terre Vie* 112(4): 378-391. Oct./Dec.1965. 410.9 P21
Includes insects sampling on the savannas of the Ivory Coast.
- 48131 KARLSON, P. Structure of ecdysone and its concentration during development. (Ge) *Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere* 71 (4):655-658. Dec.31,1965. 410 Z751Z
Includes discussion.
- 48132 KASZAB, Z. Data on zoological studies of Dr. Z. Kaszab in Mongolia. 25. Lists of localities of the second expedition. (Ge) *Rovartani Kozlemenyek (n.s.)* 18(1/17):5-38, map. 1965. 420 So12
Chiefly insects.
- 48133 LEGAY, J., and COULON, J. Toward the definition of basal metabolism in insects. (Fr) *Acad. Sci. Compt. Rend.* 261(8):1908-1909. Aug.23,1965. 505 P21
- 48134 LEWONTIN, R. C. Selection for colonizing ability. In *International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings*, p.77-94. 1965. QH371.I5
Statistical methods in research, applicable to insects.
Includes discussion.
- 48135 MAYRAT, A. The law of allometry and allometries. (Fr) *Paris. Soc. Biol. Compt. Rend.* 159(3):544-548. 1965. 442.9 P21
Includes arthropods.
- 48136 MORGANTI, C. *Taxidermia; entomologia; herbarios [Taxidermy; entomology; herbariums]*. Ed. 2. Buenos Aires, Editorial Hobby, 1965. 187 p. QL63.M6
- 48137 MÜSAYEV, M. A., and others. Coenotic categories of parasitocoenosis components (exemplified by the parasitocoenosis of the social vole, *Microtus socialis* Pall.). (Rus) *Zool. Zhur.* 44(11):1595-1601. 1965. 410 R92
L. V. Mularskaya, A. T. Dhiiev, and Sh. G. Manafova, joint authors.
English summary.
Includes insects and ticks.
- 48138 REICHENBACH-KLINKE, H., and ELKAN, E. The principal diseases of lower vertebrates. London, Acad. Press, 1965. 600 p. Ref. SH171.R4
Includes pests of Amphibia and reptiles.
Translation and revision of *Krankheiten der Aquarienfische, Krankheiten der Amphibien, and Krankheiten der Reptilien*.
- 48139 WALLACE, F. G. The trypanosomatid parasites of insects and arachnids. *Exp. Parasitol.* 18(1):124-193. Ref. Feb.1966. 436.8 Ex7
Bibliography, p.179-193.
Excluding *Trypanosoma*, *Leishmania* and *Phytomonas*.
- 48140 WIGGLESWORTH, V. B. Metamorphosis and body form. In Bell, E., ed. *Molecular and cellular aspects of development*, p.447-458. Ref. 1965. QH573.B4
Insects.
- 48141 WILSON, E. O. The challenge from related species. In *International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings*, p.7-27. Ref. 1965. QH371.I5
Includes insect ecology and zoogeography.
Includes discussion.
- 48142 WOOD, S. F. An efficient water cooler for transport of heat-sensitive arthropods. *World Health Organ. Bull.* 33(6):859-861. 1965. 449.9 W892B
- Arachnida, Myriapoda, etc.
- 48143 AESCHLIMANN, A., and MOREL, P. C. *Boophilus geigy* n. sp. (Acarina: Ixodoidea) from West Africa livestock. (Fr) *Acta Trop.* 22 (2):162-168. 1965. 475 Ac8
- 48144 BARRIGA, O. O. Occurrence in Chile of *Liponyssus bacoti* Hirst, 1913, (Acarina, *Dermapnyssidae*). (Sp) *Bol. Chileno Parasitol.* 20(2): 30-33. Ref. Apr./June 1965. 436.9 C43
English summary.
- 48145 BENGSTON, M. European red mite (*Panonychus ulmi* (Koch)) and its adaptation to the Stanthorpe district, Queensland. *Queensland J. Agr. Anim. Sci.* 22(2):177-185. June 1965. 23 Q37
Includes diapause and photoperiodism of this pest of apples.
- 48146 BENGSTON, M. Overwintering behaviour of *Tetranychus telarius* (L.) in the Stanthorpe district, Queensland. *Queensland J. Agr. Anim. Sci.* 22(2):169-176. Ref. June 1965. 23 Q37
Pest, chiefly, of apples.
- 48147 CAMPBELL, J. E., and DAUGHERTY, D. M. Observations of spermatophore production in the red grasshopper mite, *Eutrombidium trigonum* (Acarina: Trombididae). *Entomol. Soc. Amer. Ann.* 58(6):824-825. Nov.1965. 420 En82
- 48148 CHEN, H. T., and HSU, P. K. Seven new species of trombiculid mites belonging to the genera *Doloiisia* and *Paradoloiisia*, n. g. (Acarina: Trombiculidae). (Ch) *Acta Zool. Sinica* 17(3): 283-297. Ref. Sept.1965. 410 Ac87
English summary.
- 48149 CHINERY, W. A. Studies on the various glands of the tick *Haemaphysalis spinigera* Neumann 1897. *Acta Trop.* 22(3):235-266. Ref. 1965. 475 Ac8
- 48150 DALENS, H. Existence of a particular incubation in the isopods *Trichoniscidae*. (Fr) *Acad. Sci. Compt. Rend.* 261(4):1123-1128, map. Ref. July 26,1965. 505 P21
- 48151 DENIS, J. Note on the *Erigonidae*. XXXII. The male of *Grammonota acripes* (Denis) (sub *Goniatum*). (Fr) *Soc. Zool. France. Bull.* 89(5/6): 767-771. 1964, pub.1965. 410.9 P214B
Found in Madeira.
- 48152 FULLER, H. Investigations on the chitin structure of Chilopoda integument. (Ge) *Zool. Anz.* 175(2/3):173-181. Ref. Aug./Sept.1965. 410 Z7
- 48153 HIGHNAM, K. C. Some aspects of neurosecretion in arthropods. *Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere* 71(4):558-582. Ref. Dec.31,1965. 410 Z751Z
Includes discussion.
- 48154 HOFFMAN, R. L. Chelodesmid studies. II. The status of the milliped *Telonychopus meyeri* Verhoeff, and of the family name *Telonychopidae*. Sao Paulo, Dept. Zool. *Papeis Avulsos* 17:243-253. 1965. 410.9 Sa63
Includes n. sp.
- 48155 HOLLANDE, A., and FAIN, M. New observations concerning the infrastructure of the isopod spermatozoon. Origin and evolution of the spermatid vesicle of *Armadillium vulgare*. (Fr) *Acad. Sci. Compt. Rend.* 261(3):787-789. July 19,1965. 505 P21
- 48156 HUBERT, M., and RAZET, P. Principal elements of nitrogen catabolism in the Myriapoda. (Fr) *Acad. Sci. Compt. Rend.* 261(3):797-800. July 19,1965. 505 P21
- 48157 IHAROS, GY. Data on zoological studies of Dr. Z. Kaszab in Mongolia. 28. *Tardigrada*. (Ge) *Rovartani Kozlemenyek (n.s.)* 18(1/17): 179-183. 1965. 420 So12
- 48158 JUCHAULT, P., LEGRAND, J. J., and MOCQUARD, J. P. Demonstration of protocerebral inhibition of the androgenic gland and development of sexual male variants in the Oniscoidea *Porcellio dilatatus* Brandt. (Fr) *Acad. Sci. Compt. Rend.* 261(4):1116-1118. July 26,1965. 505 P21
- 48159 KADZIELA, W., and KOKOCINSKI, W. The effect of some neurohormones on the heart rate of spiders [*Tegenaria atrica*]. *Experientia* 22 (1):45-46. Jan.15,1966. 475 Ex7
Acetylcholine and adrenalin.

- 48160 KUHN, H. J., and LUDWIG, H. W. Anoplura of Liberian rodents. (Ge) Senckenb. Biol. 46(3): 233-244. Ref. July 12, 1965. 410.9 Se5
Includes n. spp. in Enderleinellus, and Schizophtirus.
- 48161 KUHN, H. J., and LUDWIG, H. W. Phthirunculus sumatranus n. gen., n. sp. a louse of the flying squirrel Petaurista petaurista (Hopleuridae, Anoplura). (Ge) Senckenb. Biol. 46(3):245-250. July 12, 1965. 410.9 Se5
- 48162 KULIK, I. L., and PETROV, V. G. Importance of the hosts of ticks in different developmental stages for determination of population density of Ixodes ricinus in Chuvashia. (Rus) Zool. Zhur. 45(1):131-134. 1966. 410 R92
English summary.
- 48163 KURUP, P. A. Investigation on the haemolymph of the South Indian scorpion, Heterometrus scaber. Cur. Sci. 34(23):663. Dec.5, 1965. 475 Sci23
- 48164 MEAD, F. Observations of mating of the terrestrial isopod Helleria brevicornis Ebner. (Fr) Acad. Sci. Compt. Rend. 261(7):1752-1755. Aug.18, 1965. 505 P21
- 48165 MONAKHOVA, M. A., and GORYAEVA, O. V. Electron-microscopic examination of functional structures of primary spermatocytes in the grain mite. (Rus) Akad. Nauk SSSR. Dokl. 166:719-721. Ref. 1966. 511 P444A
Acarus siro.
- 48166 ORLOVSKAYA, O. M. Trombiculidae mites in western regions of the Ukraine. (Rus) Zool. Zhur. 44(11):1723-1726. 1965. 410 R92
English summary.
- 48167 PASANTES, H., and others. Free amino acids and activity of some pyridoxal phosphate-dependent enzymes in the nervous system of three Arthropoda species. Compar. Biochem. Physiol. 16(4):523-529. Ref. Dec. 1965. 444.8 C73
R. Tapia, B. Ortega, and G. Massieu, joint authors.
Includes the scorpion Centruroides limpidus and the insect Lethocerus angustipes.
- 48168 ROBSON, E. A., LOCKWOOD, A. P. M., and RALPH, R. Composition of the blood in Onychophora. Nature [London] 209(5022):533. Ref. Jan.29, 1966. 472 N21
Peripatopsis moseleyi.
- 48169 SAVORY, T. H. False scorpions. Sci. Amer. 214(3):95-100. Mar. 1966. 470 Sci25
Chelifer cancroides.
- 48170 SCHALK, V. Contribution to the oribatid (Acarina) fauna of Rumania. (Ge) Rovartani Kozlemenye (n.s.) 18(1/17):281-290. 1965. 420 So12
- 48171 SCHEFFEL, H. Electron microscopical investigations on the structure of cerebral glands in Chilopoda. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):624-640. Ref. Dec.31, 1965. 410 Z751Z
In Lithobius forficatus.
- 48172 SEVAST'ANOV, V. D. The number of mites carried and exterminated by the ant Lasius fuliginosus Latr. during a season. (Rus) Zool. Zhur. 44(11):1651-1660. Ref. 1965. 410 R92
English summary.
Includes n. sp. in Dermatophagoides.
- 48173 SILVERE, A. P. Notes on the northern fowl mite (Ornithonyssus sylviarum Canestrini et Fanzago, 1877). (Rus) Akad. Nauk Est. SSR. Obshch. Estestvoispyt. Aastaraamat 56:125-132. 1964. 511 Ak191
English summary.
- 48174 TURNBULL, A. L., DONDALE, C. D., and REDNER, J. H. The spider genus Xysticus C. L. Koch (Araneae: Thomisidae) in Canada. Can. Entomol. 97(12):1233-1280. Ref. Dec. 1965. 421 C16
Includes n. spp.
- 48175 VAN DER MERWE, G. G., and COATES, T. J. Biological study of the grey mite Calacarus citrifolii Keifer. So. Afr. J. Agr. Sci. 8(3):817-823. Sept. 1965. 24 Su3
Includes host plants.
- 48176 VAN DER WALT, J. L. The influence of type of veld on the prevalence of the paralysis tick [Ixodes rubicundus]. (Af) So. Afr. J. Agr. Sci. 8(3):825-829. Sept. 1965. 24 Su3
English summary.
- 48177 WATSON, G. S. The distribution of organisms. Biometrics 21(3):543-550. Ref. Sept. 1965. 442.8 B5224
Statistical methods with reference to the wood louse Porcellio scaber and some insects.
- 48178 WETTSTEIN, R., and SOTELO, J. R. Electron microscope study on the meiotic cycle of Acanthopachylus aculeatus (Arachnida; Opiliones); the composite bodies of the primary spermatocytes. Chromosoma 17(3):246-257. Ref. 1965. 442.8 C46
- 48179 WOOLLEY, T. A., and HIGGINS, H. G. A new genus and two new species of Tenuialidae with notes on the family (Acari: Oribatei). N. Y. Entomol. Soc. J. 73(4):232-237. Dec. 1965. 420 N48J
Tenuialoides medialis n. g., n. sp. and Tenuiala crenulata n. sp.
- 48180 ZEMSKAYA, A. A. A species of gamasid mites—Ornithonyssus pavlovskii Lange, 1959, new for the USSR fauna, and the diagnostics of the mites of the subfamily Ornithonyssinae. (Rus) Zool. Zhur. 45(1):50-60. Ref. 1966. 410 R92
English summary.
Biology.

Coleoptera

- 48181 BALL, G. E. The Chinese species Diplocheila minima Jedlicka: a redescription and observations on its relationships (Col.: Carabidae). Entomol. News [Philadelphia] 77(1):19-25, map. Jan. 1966. 421 En88
- 48182 BODOR, J. Four new variations of Crioceris Fourc. (Coleoptera, Chrysomelidae). (Hu) Rovartani Kozlemenye (n.s.) 18(1/17):300-301. 1965. 420 So12
German summary.
Asparagus pests, variation of Crioceris asparagi.
- 48183 BOLIVAR Y PIELTAIN, C., and HENDRICH, J. The Carabidae from the cave of Cacahuamilpa (Mexico), with description of Agonum (Platynus) bilimeki n. sp. and its larva (Insecta, Coleoptera). (Sp) Ciencia 23(6):225-232. Ref. Mar. 15, 1965. 475 C48
English summary.
- 48184 BYCHKOVSKAYA, I. B., and OCHINSKAYA, G. K. Response system of granary weevils [Calandra granaria] to irradiation. (Rus) Zool. Zhur. 45(1):134-137. 1966. 410 R92
English summary.
X-rays.
- 48185 CROSSLEY, D. A. Radioisotope [Cs137] measurement of food consumption by a leaf beetle species, Chrysomela knabi Brown. Ecology 47(1):1-8. Ref. Winter 1966. 410 Ec7
Feeding on willows.
- 48186 DATERMAN, G. E., RUDINSKY, J. A., and NAGEL, W. P. Flight patterns of bark and timber beetles associated with coniferous forests of western Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 87, 46 p. Ref. Oct. 1965. 100 Or3S
Scolytid beetles as influenced by environmental factors.
- 48187 DELEURANCE, S. Biology of Speophyes lucidulus Delarouze, Coleoptera, Bathysciinae, Bathyscia, theleomorpha group. (Fr) Acad. Sci. Compt. Rend. 261(2):560-561. July 12, 1965. 505 P21
- 48188 DOWELL, F. H., and JONES, A. W. Establishment of Tribolium confusum populations after stress by parasitism with Hymenolepis microstoma. Exp. Parasitol. 18(1):99-108. Ref. Feb. 1966. 436.8 Ex7
- 48189 EISNER, T. E. Beetle's spray discourages predators. Natur. Hist. 75(2):42-47. Feb. 1966. 500 N483J
Eleodes longicollis.

- 48190 FARKAS, J. Investigations into the radiation resistance of *Tribolium confusum* (Duval) and *Tyrophagus dimidiatus* (Hermann). *Acta Biol.* 16(3):207-215. Ref. 1966. 475 Zc85
- 48191 GERSDORF, E. Carabidae fauna of a moor pasture and the surrounding hedge. (Ge) *Z. Angew. Zool* 52(4):475-489. Ref. 1965. 449.8 Z36
English summary.
- 48192 HOPKINS, C. A., and CALLOW, L. L. Methionine flux between a tapeworm (*Hymenolepis diminuta*) and its environment. *Parasitology* 55(4):653-666. Ref. Nov.1965. 448.8 P21
Isolated from *Tribolium confusum*.
- 48193 HUGER, A. A new type of insect virus from Malayan populations of *Oryctes rhinoceros* (L.) (Col., Scarabaeidae). (Ge) *Naturwissenschaften* 52(19):542. Oct.1,1965. 474 N213
- 48194 KIMOTO, S. The Chrysomelidae of Japan and the Ryukyu Islands. VII-IX. *Kyushu Univ. Fac. Agr. J.* 13(3):369-429,431-459. May 1965. 107.6 K995
VII, Galerucinae; VIII-IX, Alticinae.
Includes n. spp. in *Monolepta*, *Sphaeroderma*, and *Longitarsus*.
- 48195 KRAL, J. Data on zoological studies of Dr. Z. Kaszab in Mongolia. 22. *Coleoptera: Alticinae*. (Ge) *Rovartani Kozlemenyei* (n.s.)18(1/17):153-161. 1965. 420 Sol2
- 48196 LENDER, T., and LAVERDURE, A. M. Role of the cephalic complex in the course of vitellogenesis in *Tenebrio molitor*, *Coleoptera*. (Fr) *Acad. Sci. Compt. Rend.* 261(2):557-559. July 12,1965. 505 P21
- 48197 LEVUSHKIN, S. I. Distribution of troglitic beetles of the genus *Pseudaphaenops* Winkler and zoogeographical division into districts of the Crimean cave fauna. (Rus) *Zool. Zhur.* 44(11):1728-1731. 1965. 410 R92
English summary.
- 48198 MANDL, K. Data on zoological studies of Dr. Z. Kaszab in Mongolia. 23. *Cicindela*, *Calosoma*, *Carabus* (*Coleoptera*). (Ge) *Rovartani Kozlemenyei* (n.s.)18(1/17):163-165. 1965. 420 Sol2
- 48199 MARTINEZ, A., and JIMENEZ-ASUA, L. Notes on South American Paussini (*Coleoptera*, *Carabidae*) with a description of a new species. (Sp) *Ciencia* 23(6):233-236. Mar.15, 1965. 475 C48
Homopterus luna-carvalhoi n.sp.
- 48200 MATSUZAKI, M. Electron microscopic studies on the early developments of various insect eggs. II. On the changes of the nurse cells and the nutritive substances in telotrophic ovaries. (Ja) *New Entomol.* 14(7):1-9. Sept.1965. 421 N42
English summary.
Epilachna vigintioctomaculata and *Cicadella ferruginea*.
- 48201 MATTHEWS, E. G. The taxonomy, geographical distribution, and feeding habits of the canthonines of Puerto Rico (*Coleoptera: Scarabaeidae*). *Amer. Entomol. Soc. Trans.* 91(4):431-465, map. Ref. Dec.1965. 420 P53
Includes n. sp. in *Canthochilum*.
- 48202 MEDICI, J. C., and TAYLOR, M. W. Mineral requirements of the confused flour beetle, *Tribolium confusum* (Duval). *J. Nutr.* 88(2):181-186. Ref. Feb.1966. 389.8 J82
- 48203 MEUNIER, K. Normal polymorphism of a functionally inert organ [mandible] of the *Lucanidae* *Coleoptera* *Lamellicornia*. (Ge) *Zool. Anz.* 175(1):50-92. Ref. July 1965. 410 Z7
- 48204 MULLER-KOGLER, E., and HUGER, A., and FERRON, P. Representation of fungus attack in insects by staining. (Ge) *Naturwissenschaften* 52(19):543. Oct.1,1965. 474 N213
Beauveria tenella in *Melolontha melolontha*.
- 48205 NEIDINGER, J. W., BARATZ, R. A., and MOOS, W. S. Oxygen uptake of three life stages of *Tenebrio molitor* prior and subsequent to massive doses of low energy x-rays. *Atompraxis* 11(9/10):564-568. Sept./Oct.1965. 334.8 At73
- 48206 ONO, M. Description of a new *Trachypachina* species from Japan (*Coleoptera*, *Chrysomelidae*, *Alticinae*). *New Entomol.* 14(3):1-4. May 1965. 421 N42
- 48207 SMALLEY, K. N. Adrenergic transmission in the light organ of the firefly, *Photinus pyralis*. *Compar. Biochem. Physiol.* 16(4):467-477. Ref. Dec.1965. 444.8 C73
- 48208 SMETANA, A. Data on zoological studies of Dr. Z. Kaszab in Mongolia. 24. *Staphylinidae* (*Coleoptera*). (Ge) *Rovartani Kozlemenyei* (n.s.)18(1/17):167-178. 1965. 420 Sol2
- 48209 STRASSEN, R. ZUR. The genus *Sceliages* Westwood, with the description of two new species (*Coleoptera*, *Scarabaeidae*). (Ge) *Sensenkemb. Biol.* 46(3):219-232. Ref. July 12,1965. 410.9 Se5
- 48210 SUZUKI, K. On the chrysomelid beetles from the table-land of Kirigamine, Nagano Prefecture, Japan. (Ja) *New Entomol.* 14(6):1-6. Aug.1965. 421 N42
English summary.
Includes host plants.
- 48211 TANAKA, M., and MAETA, Y. Rearing of some predacious coccinellid beetles by artificial diets. (Ja) *Kurume. Hort. Res. Sta. Bull. Ser. D*, 3:17-35. Mar.1965. 87 K943
Harmonia axyridis, *Coccinella septempunctata bruckii* and *Chilocorus kuwanae*.
- 48212 TAYLOR, M. W., and MEDICI, J. C. Amino-acid requirements of grain beetles. *J. Nutr.* 88(2):176-180. Ref. Feb.1966. 389.8 J82
Tribolium castaneum, *Tribolium confusum*, and *Oryzaephilus surinamensis*.
- 48213 THEODORIDES, J., and DESPORTES, I. A new *Gregarina* from Egypt, *Didymophyes jolivetii* n. sp. (*Didymophyidae*). (Fr) *Ann. Parasitol. Humaine Comp.* 40(5):513-515. Sept./Oct.1965. 436.8 An7
Coleoptera parasites.
- 48214 WATANABE, H., and SHIDEI, T. *Cerambycid*-beetles from the Ashu Experimental Forest of Kyoto University. (Ja) *Kyoto Univ. Bull. Kyoto Univ. Forests* 37:1-8. Nov.1965. 99.9 K993
English summary.
- 48215 WATANABE, Y., and SHIBATA, Y. On the genus *Micropeplus* Latr. of Japan with descriptions of a new and an unrecorded species (*Coleoptera: Staphylinidae*). *J. Agr. Sci. [Setagaya]* 10(3):67-70. Dec.1964. 22.5 J824
- 48216 YINON, U., and SHULOV, A. Reactions of larvae of the khapra beetle *Trogoderma granarium* Everts to spectral regions of different wave length. *Riv. Parassitol.* 26(3):169-173. Sept.1965. 436.8 R52
- 48217 ZAJCIW, D. New Neotropical longicorns (Col., *Cerambycidae*). X. (Por) *Acad. Brasil. Cienc. An.* 36(4):433-440. Dec.31,1964. 516 R473A
New spp. in *Elaphidion*, *Odontocera*, *Dihammaphora*, *Acanthoderes*, and *Paramphionthe*, n.g.

Diptera

- 48218 CHALLIER, A. Improved method for the determination of physical age of the *Glossina*; studies carried out on *Glossina palpalis gambiensis* Vanderplank. 1949. (Fr) *Soc. Pathol. Exot. Bull.* 58(2):250-259. Ref. Mar./Apr. 1965. 448.9 Sol3
English summary.
- 48219 COOKE, H. G. The immature tendipedids of subfamily *Pelopiinae* (*Tanypodinae*) in the vicinity of Madison, Wisconsin. *Elisha Mitchell Sci. Soc. J.* 81(2):124-136. Nov.1965. 500 E14
- 48220 DETHIER, V. G., SOLOMON, R. L., and TURNER, L. H. Sensory input and central excitation and inhibition in the blowfly. *J. Compar. Physiol. Psychol.* 60(3):303-313. Dec.1965. 410 J822
Phormia regina.

- 48221 DUNBAR, R. W. Four sibling species included in *Simulium damnosum* Theobald (Diptera: Simuliidae) from Uganda. *Nature* [London] 209(5023):597-599. Ref. Feb.5,1966. 472 N21
Chromosome study.
- 48222 GRENIER, P., GERMAIN, M., and MOUCHET, J. Morphological and biological observations of the pre-imago stage of a *Simulium* (*Simulium bernerii kumboense* n. ssp.) associated with the larvae of *Elassoneuria* (Ephemeroptera, Oligoneuriidae). (Fr) *Soc. Pathol. Exot. Bull.* 58(2):276-291. Ref. Mar./Apr.1965. 448.9 So13
English summary.
- 48223 HARMSTON, F. C. Eleven new Dolichopus from North America (Dolichopodidae: Diptera). *Entomol. News* [Philadelphia] 77(1):1-17. Jan.1966. 421 En88
- 48224 HOLMES, R. T. Feeding ecology of the red-backed sandpiper (*Calidris alpina*) in Arctic Alaska. *Ecology* 47(1):32-45. Ref. Winter 1966. 410 Ec7
On larvae and adults of Tipulidae and Chironomidae (Diptera).
- 48225 JACOBS, S. N. A. A curious site for oviposition. *Entomol. Rec. J. Variation* 77(12):292. Dec.1965. 421 En89
Diptera eggs found on the gas jet of his stove.
- 48226 KARANDINOS, M. G., and AXTELL, R. C. Temperature responses of Hippelates (Diptera: Chloropidae) eggs. *Elisha Mitchell Sci. Soc. J.* 81(2):80-81. Nov.1965. 500 EL4
- 48227 KARLSON, P. Biochemical studies of ecdysone control of chromosomal activity. *J. Cell. Compar. Physiol.* 66(2,pt.2):69-75. Ref. Oct. 1965. 444.8 J822
Calliphora studied.
Includes discussion.
- 48228 KRAMER, J. P. On the octosporeosis of muscoid flies [*Phormia regina*] caused by *Octospora muscae domesticae* Flu (Microsporidia). *Amer. Midland Natur.* 75(1):214-220. Jan.1966. 410 M58
- 48229 LAUDANI, U., and GRIGOLO, A. Cytochrome-c oxidase determination in eggs, larvae and pupae of *Musca domestica* L. SRS strain. (It) *Riv. Parassitol.* 26(3):187-192. Sept.1965. 436.8 R52
English summary.
- 48230 MAMAEV, B. M. Practical conception of genera and species in gall midges (Diptera, Cecidomyiidae). (Rus) *Zool. Zhur.* 44(11):1661-1669. Ref. 1965. 410 R92
English summary.
- 48231 MATTHEWS, H. B., and HODGSON, E. Microsomal oxidations in insects. *Elisha Mitchell Sci. Soc. J.* 81(2):81. Nov.1965. 500 EL4
Musca domestica studied.
- 48232 MEHENDALE, H. M., and HODGSON, E. Metabolism of carnitine in the blowfly, *Phormia regina*. *Elisha Mitchell Sci. Soc. J.* 81(2):81-82. Nov.1965. 500 EL4
- 48233 MESGHALI, A. Phlebotominae (Diptera) of Iran. III. Studies on sandflies in the areas of Bandar Abbas and Jaks (littoral areas of Hormoz Strait and Sea of Oman). *Soc. Pathol. Exot. Bull.* 58(2):259-276, map. Ref. Mar./Apr.1965. 448.9 So13
Includes n. sp. in *Phlebotomus*.
- 48234 NACHTIGALL, W. Investigations with the electroretinogram on the effect of ionizing radiation on the compound eye of insects. (Ge) *Biophysik* 2(3):145-165. Ref. 1965. 442.8 B5242
Calliphora erythrocephala and 17 other species of insects.
- 48235 NEUMANN, D. Photoperiodic control of the 15 day lunar metamorphosis periodicity of *Clunio [marinus]* populations (Diptera: Chironomidae). (Ge) *Z. Naturforsch.* 20b(8):818-819. Aug. 1965. 474 Z3
- 48236 OERTZEN, J. A. VON. Measurement of metabolic activity (oxygen usage) in invertebrates of the *Fusus [vesiculosus]* coenosis from the central Baltic Sea. (Ge) *Zool. Anz.* 175(2/3):166-173. Aug./Sept.1965. 410 Z7
Includes *Chironomus* larvae.
- 48237 OHNISHI, K. Studies on cytochrome b. II-III. *J. Biochem.* 59(1):9-23. Ref. Jan.1966. 385 J822
II, Crystallization and some properties of cytochrome b from larvae of the housefly, *Musca domestica* L.; III, Comparison of cytochrome b's from beef heart muscle and larvae of the housefly.
- 48238 PANITZ, R. Heterozygous functional structures in the giant chromosomes of *Acrictopus lucidus*; puffs as the loci of unilocular structure mutations. (Ge) *Chromosoma* 17(3):199-218. Ref. 1965. 442.8 C46
English summary.
- 48239 PARMENTER, L. A note on *Leptomorphus walkeri* Curt. (Dipt.: Mycetophilidae). *Entomol. Rec. J. Variation* 77(12):287-288. Dec. 1965. 421 En89
- 48240 PASSLOW, T. Bionomics of sorghum midge (*Contarinia sorghicola* (Coq.) in Queensland, with particular reference to diapause. *Queensland J. Agr. Anim. Sci.* 22(2):149-167. Ref. June 1965. 23 Q37
- 48241 PETERS, H. Contribution to the biology and ecology of synanthropic Diptera of large cities. II. The space distribution of the dominant Diptera in the city. 2. *Musca*. (Ge) *Angew. Parasitol.* 6(3):129-141. (Cont.) Aug.1965. 436.8 An4
- 48242 PRASAD, S. N., and GROVER, P. The structure and function of the sternal spatula in gall midges. *Zool. Anz.* 175(2/3):188-200. Ref. Aug./Sept.1965. 410 Z7
- 48243 RIVOCCHI, L., and LIPPARONI, L. Contribution to the knowledge of Italian Simuliidae. XII. Species of the [*Eusimulium*] latipes group from the Alps and the Apennines. (It) *Riv. Parassitol.* 26(3):175-186. Ref. Sept.1965. 436.8 R52
English summary.
- 48244 SHCHERBAKOV, E. S., and CHUBAREVA, L. A. New microchromosome karyotypes of Simuliidae Diptera. (Rus) *Akad. Nauk SSSR. Dokl.* 166:726-728. 1966. 511 P444A
Analysis of larvae used as method in research.
- 48245 SOKOLOVA, G. A. Hibernation behavior of larvae of *Limnochironomus ex gr. nervosus* Staeg. (Diptera, Chironomidae). (Rus) *Zool. Zhur.* 45(1):140. 1966. 410 R92
English summary.
- 48246 SORIA, F. Les methodes d'enquete en ecologie de la Ceratitis [Methods of investigation on the ecology of Ceratitis]. *Tunisie. Inst. Nat. Rech. Agron. Doc. Tech.* 10,11 p. Ref. May 1965. 24 T839
Fruit pest in Africa.
- 48247 STEFFAN, A. W. *Plecopteracoluthus downesi* gen. et sp. nov. (Diptera: Chironomidae), a species whose larvae live phoretically on larvae of *Plecoptera* [Perlidae]. *Can. Entomol.* 97(12):1323-1344. Ref. Dec.1965. 421 C16
- 48248 WEISMAN, K. E. The male genitalia of the genus *Sphecomyia* Latreille (Diptera: Syrphidae). *Entomol. News* [Philadelphia] 76(10):265-272. Ref. Dec.1965. 421 En88
- 48249 WILLIAMS, P. Observations on the phlebotomine sandflies of British Honduras. *Ann. Trop. Med. Parasitol.* 59(4):393-404, map. Ref. Dec. 1965. 448.9 L75A
- 48250 WOLSTENHOLME, D. R. The distribution of DNA and RNA in salivary gland chromosomes of *Chironomus tentans* as revealed by fluorescence microscopy. *Chromosoma* 17(3):219-229. Ref. 1965. 442.8 C46

- 48251 YVORE, P., LACOTTE, R., and FINELLE, P. A biological and ecological study of *Glossina fusca congolensis* Newstead & Evans in the Central African Republic. II. Resting place, diurnal activity. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)18(3):283-292. Ref. 1965. 41.8 R3262
English summary.

Culicidae

- 48252 BAKER, R. H., KITZMILLER, J. B., and CHOWDAIAH, B. N. The salivary gland chromosomes of *Anopheles pseudopunctipennis pseudopunctipennis*. World Health Organ. Bull. 33(6):837-842, map. 1965. 449.9 W892B
Includes geographic distribution in the Western Hemisphere.
- 48253 CALLOT, J. Observations of the behavior of immature stages of Culicidae under the influence of light. (Fr) Ann. Parasitol. Humaine Comp. 40(5):595-603. Sept./Oct. 1965. 436.8 An7
- 48254 CARREKER, J. R. Mosquito potential in flood-detention reservoirs. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):161-162. 1965. 290.9 Am32T
Studied in the Mississippi Valley.
- 48255 FREYVOGEL, T. A., and STAUBLI, W. The formation of the peritrophic membrane in Culicidae. Acta Trop. 22(2):118-147. Ref. 1965. 475 Ac8
- 48256 FREYVOGEL, T. A., and JAQUET, C. The prerequisites for the formation of a peritrophic membrane in Culicidae females. Acta Trop. 22(2):148-154. 1965. 475 Ac8
Aedes aegypti and *Anopheles stephensi*.
- 48257 MOUCHET, J., and RAGEAU, J. Observations of the mosquitoes of Camargue and the Lower Rhone. I. Hibernation of *Uranotaenia unguiculata* Edwards, 1913 (Diptera, Culicidae). (Fr) Soc. Pathol. Exot. Bull. 58(2):246-250. Mar./Apr. 1965. 448.9 So13
English summary.
- 48258 NAJERA, A. D. Keys to the identification of the Mexican species of *Mansonia* and *Psorophora* (Diptera, Culicidae). (Sp) Mex. Inst. Salubridad Enferm. Trop. Rev. 25(2):127-137. Ref. July/Dec. 1965. 449.9 M572
English summary.
- 48259 O'BRIEN, J. F. Development of the muscular network of the midgut in the larval stages of the mosquito, *Aedes aegypti* Linnaeus. N. Y. Entomol. Soc. J. 73(4):226-231. Dec. 1965. 420 N48J
- 48260 WADA, Y. Effect of larval density on the development of *Aedes aegypti* (L.) and the size of adults. Quaestiones Entomol. 1(4):223-249. Oct. 1965. 421 Q2
- 48261 WADA, Y. Population studies on Edmonton mosquitoes. Quaestiones Entomol. 1(4):187-222. Ref. Oct. 1965. 421 Q2

Drosophila

- 48262 BATEMAN, A. J., and CHANDLEY, A. C. Effects of X-rays on female germ cells of *Drosophila melanogaster*. II. Crossing-over in the X-chromosome. Mutation Res. 2(6):506-522. Ref. Dec. 1965. 443.8 M98
- 48263 BERENDES, H. D., and HOLT, T. K. H. Differentiation of transplanted larval salivary glands of *Drosophila hydei* in adults of the same species. J. Exp. Zool. 160(3):299-317. Ref. Dec. 1965. 410 J825
- 48264 CARSON, H. L. Chromosomal morphism in geographically widespread species of *Drosophila*. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.503-531, map. Ref. 1965. QH371.I5
- 48265 CLARKE, J. M., and SMITH, J. M. Increase in the rate of protein synthesis with age in *Drosophila subobscura*. Nature [London] 209(5023):627-629. Feb. 5, 1966. 472 N21
- 48266 DOBZHANSKY, T. "Wild" and "domestic" species of *Drosophila*. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.533-551. Ref. 1965. QH371.I5
Includes discussion.
- 48267 FARNSWORTH, M. W. Growth and cytochrome c oxidase activity in minute mutants of *Drosophila*. J. Exp. Zool. 160(3):355-361. Ref. Dec. 1965. 410 J825
Drosophila melanogaster.
- 48268 FARNSWORTH, M. W. Oxidative phosphorylation in the minute mutants of *Drosophila*. J. Exp. Zool. 160(3):363-368. Ref. Dec. 1965. 410 J825
Drosophila melanogaster.
- 48269 FRASER, A. Colonization and genetic drift. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.117-125. 1965. QH371.I5
Drosophila.
Includes discussion.
- 48270 KVELLAND, I. Some observations on the mating activity and fertility of *Drosophila melanogaster* males. Hereditas 53(3):281-306. Ref. 1965. 442.8 H42
To study effect of temperature and X-rays.
- 48271 MUKAI, T., and YAMAZAKI, T. Position effect of spontaneous mutant polygenes controlling viability in *Drosophila melanogaster*. Jap. Acad. Proc. 40(10):840-845. Dec. 1964. 513 T576
- 48272 OKADA, T., and GOTO, M. Syntheses of 2-amino-4-hydroxy-6-hydroxymethyl pteridine-10-C¹⁴ and 2-amino-4-hydroxy pteridine-10-C¹⁴ and their metabolism in *Drosophila melanogaster*. J. Biochem. 58(5):458-462. Ref. Nov. 1965. 385 J822
- 48273 PARKER, D. R. Chromosome pairing and induced exchange in *Drosophila melanogaster*. Mutation Res. 2(6):523-529. Ref. Dec. 1965. 443.8 M98
Irradiation.
- 48274 RASMUSON, M. Phenotypic overdominance and fitness. Hereditas 53(3):389-420. 1965. 442.8 H42
Drosophila melanogaster.
- 48275 RENSING, L. Significance of the hormone in regulating circadian rhythm. (Ge) Zool. Jahrbuch Abt. Allg. Zool. Physiol. Tiere 71(4):595-606. Ref. Dec. 31, 1965. 410 Z751Z
In *Drosophila melanogaster*.
Includes discussion.
- 48276 ROBERTSON, F. W. The analysis and interpretation of population differences. In International Union of Biological Sciences Symposia on General Biology, 1, Asilomar, Calif., 1964. The genetics of colonizing species, proceedings, p.95-115. Ref. 1965. QH371.I5
Drosophila melanogaster and other *Drosophila* spp.
Includes discussion.
- 48277 SMITH, P. A., and KING, R. C. Studies on fused, a mutant gene producing ovarian tumors in *Drosophila melanogaster*. U. S. Nat. Cancer Inst. J. 36(3):445-463. Ref. Mar. 1966. 176.622 J82
- 48278 WHITTINGHILL, M. Minimizing environmental selection by the use of genetically tagged families of *Drosophila* in studies of linkage variability. Elisha Mitchell Sci. Soc. J. 81(2):88. Nov. 1965. 500 EL4
- 48279 WRIGHT, T. R. F., and MACINTYRE, R. J. Heat-stable and heat-labile esterase-6F enzymes in *Drosophila melanogaster* produced by different Est 6F alleles. Elisha Mitchell Sci. Soc. J. 81(1):17-19. May 1965. 500 EL4

- 48280 ZIMMERING, S., and GREEN, R. E. Temperature-dependent transmission rate of a univalent X chromosome in the male *Drosophila melanogaster*. *Can. J. Genet. Cytol.* 7(3): 453-456. Sept.1965. 443.8 C16

Hemiptera

- 48281 ALLAN, P. B. M. The New Forest cicada [*Cicadetta montana*]. *Entomol. Rec. J. Variation* 77(12):295-296. Dec.1965. 421 En89
- 48282 BALDWIN, W. F. Radiosensitivity of female germ cell stages of *Dahlbominus*. *Mutation Res.* 2(6):530-533. Dec.1965. 443.8 M98
- 48283 BRETTSCHEIDEROVA, Z., and NOVAK, V. J. A. The effect of the juvenile hormone on the protein level in the haemolymph of the bug *Pyrrhocoris apterus* during metamorphosis. *Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere* 71(4):665-668. Dec.31,1965. 410 Z751Z
Includes discussion.
- 48284 BURWOOD, R., and others. The pigments of stick lac. I. Isolation and preliminary examination. *Chem. Soc. J.*, Nov.1965:6067-6073. Ref. 382 L84J
G. Read, K. Schofield, and D. E. Wright, joint authors.
From *Laccifer lacca*.
- 48285 CHAN, K. C. Studies on the life history of the pineapple mealy-bug, *Dysmicoccus brevipes* (Ck.). (Ch) Taiwan Sugar Exp. Sta. Rep. 38: 99-107. Apr.1965. 65.9 F76R
English summary.
- 48286 CHAPLAIN, R. A. The allosteric nature of substrate inhibition of insect actomyosin ATPase in presence of magnesium. *Biochem. Biophys. Res. Commun.* 22(3):248-253. Ref. Feb.3,1966. 442.8 B5236
Flight muscle of *Lethocerus cordofanus* and *L. indicus*.
- 48287 FREYTAG, P. H. A revision of the Nearctic species of the genus *Idiocerus* (Homoptera; Cicadellidae: Idiocerinae). *Amer. Entomol. Soc. Trans.* 91(4):361-431. Ref. Dec.1965. 420 P53
Includes n. spp. and host plants.
- 48288 GOURANTON, J., and MAILLET, P. L. Existence of a peritrophic membrane in a sucking insect, *Cicadella viridis* L. (Homoptera, Jassidae). (Fr) *Acad. Sci. Compt. Rend.* 261(4): 1102-1105. Ref. July 26,1965. 505 P21
- 48289 GROSS, G. F. A revision of the Australian and New Guinea Drymini (Heteroptera-Lygaeidae). *S. Australian Mus. Rec.* 15(1):39-78. Ref. 1965. 514 So8
Includes new species in *Megadrymus*, n. g., *Brachydrymus*, n. g., *Retrodrymus*, n. g., *Austrodrymus*, n. g., *Apollonius*, *Gastrodormorpha*, n. g., *Isopeltus*, n. g., *Pseudodrymus*, n. g., *Brenticerus*, and *Scolopostethus*.

- 48290 JASZAI, MRS. V. E. Occurrence of *Isometopus intrusus* Fieb. (Heteroptera, Isometopidae) in Hungary in light trap material. (Hu) *Rovertani Kozlemenyek (n.s.)* 18(1/17):296-297. 1965. 420 So12
- 48291 KAJITA, H. The influences of the horticultural varieties of pumpkin upon the development of *Pseudococcus comstocki* Kuwana. (Ja) *Kyushu Univ. Fac. Agr. Sci. Bull.* 22(1):17-21. Oct. 1965. 107.6 K995B
English summary.
For rearing *Pseudococcus comstocki*.
- 48292 KAJITA, H. On the substitute host-supporting media of *Pseudococcus comstocki* Kuwana. (Ja) *Kyushu Univ. Fac. Agr. Sci. Bull.* 22(1): 89-93. Oct.1965. 107.6 K995B
English summary.
- 48293 KAJITA, H. Some visible characters of parasitized *Ceroplastes pseudoceriferus* Green. (Ja) *Kyushu Univ. Fac. Agr. Sci. Bull.* 22(1): 29-34. Ref. Oct.1965. 107.6 K995B
English summary.

- 48294 KRISTENSEN, N. P. *Eupteroidea stellulata* Burmeister 1841 in Denmark (Hemiptera, Cicadellidae). (Da) *Flora Fauna* 71(3):81-82. Sept.1965. 410 F662
English summary.
- 48295 NOVAK, V. J. A. The question of gradient factors in the light of recent knowledge of the metamorphosis hormones. (Ge) *Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere* 71(4): 647-654. Ref. Dec.31,1965. 410 Z751Z
In *Oncopeltus fasciatus*.
- 48296 ORENSKI, S. W., and others. A presumptive bacterial symbiont from the eggs of the six-spotted leafhopper, *Macrosteles fascifrons* Stal. *Boyce Thompson Inst. Contrib.* 23(4):123-126. Ref. Oct./Dec.1965. 451 B69
J. Mitsuhashi, S. M. Ringel, J. F. Martin, and K. Maramorosch, joint authors.
- 48297 PAGLIAI, A. M. Endomeiosis in *Acyrtosiphon pisum* Harris (Homoptera, Aphididae). (It) *Caryologia* 18(2):235-240. Ref. Apr./June 1965. 442.8 C25
English summary.
- 48298 PUCHKOVA, L. V. Maxillary glands of Heteroptera [Hydrocorisae], their function and origin. (Rus) *Zool. Zhur.* 44(12):1801-1808. Ref. 1965. 410 R92
English summary.
- 48299 RUCKES, H. A new *Mecistorhinus* [*M. variegatus* n. sp.] from Ecuador (Heteroptera: Pentatomidae). *N. Y. Entomol. Soc. J.* 73(4):223-224. Dec.1965. 420 N48J
- 48300 SINGH, H., SESHADRI, T. R., and SUBRAMANIAN, G. B. V. A note on the colouring matter of lac larvae. *Tetrahedron Lett.* 10:1101-1108. Mar.1966. 385 T29
- 48301 SINGH, M. P. Structure and postembryonic development of the Malpighian tubules of *Chrysocoris stollii* Wolff. (Heteroptera: Pentatomidae). *Entomologist [London]* 98(1231):268-279. Ref. Dec.1965. 421 En8
- 48302 SINHA, R. C. Sequential infection and distribution of wound-tumor virus in the internal organs of a vector after ingestion of virus. *Virology* 26(4):673-686. Ref. Aug.1965. 448.8 V81
In *Agallia constricta*.
- 48303 SRIVASTAVA, U. S., and SINHA, P. K. On the respiratory system of the adult male and larva of *Centroccoccus insolitus* Green (Hemiptera: Coccoidea). *Entomologist [London]* 98(1231): 230-287. Ref. Dec.1965. 421 En8
- 48304 TEYROVSKY, V. Sexual differentiation in the fore legs of *Ilyocoris cimicoides* L. (Heteroptera). (Ge) *Zool. Anz.* 175(2/3):201-203. Aug./Sept.1965. 410 Z7

Hymenoptera

SEE ALSO Apiculture and *Apis mellifera*.

- 48305 ALLAN, P. B. M. The good-tempered hornet. *Entomol. Rec. J. Variation* 77(11):263. Nov. 1965. 421 En89
Do not sting unless molested.
- 48306 BARRETT, K. E. J. Ant records and observations for 1965. *Entomol. Rec. J. Variation* 77 (11): 248-252, map. Nov.1965. 421 En89
- 48307 BERGMANN, F., ISHAY, L., and KIDRON, M. Pharmacologically active substances in the faeces of the oriental wasp, *Vespa orientalis*, F. *Brit. J. Pharmacol. Chemotherap.* 26(1): 229-236. Ref. Jan.1966. 396.8 B77
- 48308 COUTTS, M. P., and DOLEZAL, J. E. *Sirex noctilio*, its associated fungus, and some aspects of wood moisture content. *Australian Forest Res.* 1(4):3-13. 1965. 99.8 Au76
Moisture content and survival rate.
- 48309 FORBES, J., and HAGOPIAN, M. The male genitalia and terminal segments of the ponerine ant *Rhytidoponera metallica* F. Smith (Hymenoptera: Formicidae). *N. Y. Entomol. Soc. J.* 73(4):190-194. Ref. Dec.1965. 420 N48J

- 48310 FRILLI, F. Morpho-biological study of *Pristiphora erichsonii* Hartig (Hym. Tenthredinidae) with notes on its parasites. (It) Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.) 4 (3):529-586. Ref. Dec.1964. 16 M582
English summary.
Bibliography, p.579-584.
- 48311 GASPAR, C. Myrmecological study of a natural region in Belgium: la Famenne. B. Study of a *Quercus-Betula* forest association. (Fr) Gembloux. Inst. Agron. Etat. Bull. 33(1):76-78. 1965. 105.1 G285
- 48312 HOBBS, G. A. Ecology of species of *Bombus* Latr. (Hymenoptera: Apidae) in southern Alberta. III. Subgenus *Cullumanobombus* Vogt. Can. Entomol. 97(12):1293-1302. Ref. Dec. 1965. 421 C16
Bombus rufocinctus.
- 48313 KUMBKARNI, C. G. Cytological studies in Hymenoptera. III. Cytology of parthenogenesis in the formicid ant, *Camponotus compressus*. Caryologia 18(2):305-312. Ref. Apr./June 1965. 442.8 C25
- 48314 KURANO, H. Influence of temperature on the initial date of emergence of *Anicetus beneficus* Ishii et Yasumatsu. (Ja) Shizuoka. Citrus Exp. Sta. Bull. 5:65-67. Oct.1965. 93.33 Sh62B
English summary.
- 48315 LARSON, P. P., and LARSON, M. W. All about ants. Cleveland, World Publ. Co., 1965. 220 p. QL568.F7L3
- 48316 LEONARD, D. E. *Brachumeria intermedia* (Nees) (Hymenoptera: Chalcididae) established in North America. Entomol. News [Philadelphia] 77(1):25-27. Jan.1966. 421 En88
- 48317 MENKE, A. S. The identity of some *Ammophila* observed by C. H. Hicks, H. E. Evans and others in connection with biological studies (Hymenoptera, Sphecidae). Entomol. News [Philadelphia] 77(10):257-261. Ref. Dec.1965. 421 En88
- 48318 MIDDLEKAUFF, W. W. Description of the previously unknown female of *Neurotoma willi* Middlekauff (Hymenoptera: Pamphiliidae). N. Y. Entomol. Soc. J. 73(4):238-239. Dec. 1965. 420 N48J
- 48319 RASTEGAYEVA, K. S. The role of the ichneumon-flies (*Telenomus* and *Trichogramma*) in the restriction of the number of horse-flies [Tabanidae] in nature. (Rus) Zool. Zhur. 44 (12):1870-1871. 1965. 410 R92
English summary.
- 48320 SCHMIDT, G. H., and VISCONTINI, M. Fluorescing substances from the red ants of the genus *Formica* (Ins. Hym.). 3. Isolation of D-or L-6-(threo-1', 2', 3'-trihydroxypropyl)-pterin and pterin-6-carbonic acid from males. (Ge) Helv. Chim. Acta 49(fasc.Emile Cherbuliez):344-349. Jan.22,1966. 385 H36
- 48321 SCULLEN, H. A. Synonymical notes on the genus *Cerceris* V. (Hymenoptera: Sphecidae). Entomol. News [Philadelphia] 76(10):272-274. Dec.1965. 421 En88
- 48322 SZABO, J. B. Ecological, ethological and zoogeographic studies on Palearctic *Scelionidae*. (Hym.). (Ge) Rovartani Kozlemenyek (n.s.) 18 (1/17):185-198. Ref. 1965. 420 So12
From Hungary.
- 48323 TARBINSKY, YU. S. Division of labor and distribution of ant "foragers" (*Formica pratensis* Retz., Hymenoptera, Formicidae) in the foraging grounds. (Rus) Zool. Zhur. 45(1):68-76. Ref. 1966. 410 R92
English summary.
- 48324 THOMPSON, A. D., SMIRK, B. A. Rod-shaped particles associated with a disease of alkali bees. Virology 28(2):348-350. Feb.1966. 448.8 V81
Nomia melanderi.
- 48325 VOEGELE, J. A new method of systematic study of the species of the genus *Asolcus*; case of *Asolcus rungsi* [n. sp.]. (Fr) Awamia 14:95-113. Jan.1965. 24 Aw1
English summary.

Lepidoptera

SEE ALSO Sericulture and the Silkworm.

- 48326 ALLAN, P. B. M. Dispersal of the mottled umber [*Erannis defoliaria*]. Entomol. Rec. J. Variation 77(11):263-264. Nov.1965. 421 En89
- 48327 ALLAN, P. B. M. A note on the gothic moth [*Phalaena typica*]. Entomol. Rec. J. Variation 77(12):290-291. Dec.1965. 421 En89
- 48328 BARBIER, R. Placing the nymphal cuticle into position by the hypodermis in *Galleria mellonella* L. (Lepidoptera, Pyralidae), and its consequences for the differentiation of the imaginal integument. (Fr) Acad. Sci. Compt. Rend. 261(3):822-825. July 19,1965. 505 P21
- 48329 BENEDEK, P. Data on the insect fauna of Tapolca Brook and its surroundings. III. *Odonata*, 2. (Hu) Rovartani Kozlemenyek (n.s.) 18(1/17): 39-75. Ref. 1965. 420 So12
English summary.
Includes key to the Central European species of the genera *Sympetrum* Newm.
- 48330 BRETHERTON, R. F. Burnets and foresters (*Zygaenidae*) in Sicily; a correction. Entomol. Rec. J. Variation 77(12):294. Dec.1965. 421 En89
- 48331 BROWN, D. S. *Clytie illunaris* Hubner (Lepidoptera) in Britain. Entomologist [London] 98 (1231):287. Dec.1965. 421 En8
- 48332 BROWN, F. M., and TURNER, T. W. *Panoquina panoquinoides* (Skinner) and *Panoquina errans* (Skinner) (Lepidoptera: Hesperidae). Entomol. News [Philadelphia] 77(1):17-19. Jan.1966. 421 En88
Taxonomy.
- 48333 BROWN, F. M. Type locality for *Cercyonis nephele* Kirby and "Upper Canada" insects collected in the 1820's. N. Y. Entomol. Soc. J. 73(4):240-242. Dec.1965. 420 N48J
- 48334 CADEILHAN, L. Effect of host plant on the ovogenesis in adult *Acrolepia assectella* Zell. (Insecta, Lepidoptera). (Fr) Acad. Sci. Compt. Rend. 261(8):1910-1913. Aug.23,1965. 505 P21
- 48335 CADEILHAN, L. Stimulation of oviposition in *Acrolepia assectella* Zell. by the presence of the host plant. (Fr) Acad. Sci. Compt. Rend. 261(4):1106-1109. July 26,1965. 505 P21
- 48336 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 77(11,sup.): (265)-(272). (Cont.) Nov.1965. 421 En89
- 48337 CHALMERS-HUNT, J. M. Observations on *Lithocolletis acerifoliella* Zeller (*sylvella* Haworth) ssp. *joannisi* Le Marchand (*platanoidella* Joannis nom. prec.) and a note of its occurrence in Britain. Entomol. Rec. J. Variation 77(11):247-248. Nov.1965. 421 En89
- 48338 CHALMERS-HUNT, J. M. *Sorhagenia jani-szewskae* Riedl (Lepidoptera, Momphidae) in Kent. Entomol. Rec. J. Variation 77(11):262. Nov.1965. 421 En89
- 48339 CHAN, S. K., and MARGOLIASH, E. Properties and primary structure of the cytochrome c from the flight muscles of the moth, *Samia cynthia*. J. Biol. Chem. 241(2):335-348. Ref. Jan.25,1966. 381 J824
- 48340 CHIPPERFIELD, H. E. *Spaelotis ravida* Schiff. and *Ennomos autumnaria* Wernb. Entomol. Rec. J. Variation 77(12):292-293. Dec.1965. 421 En89
- 48341 CUE, P. *Eupithecia plumbeolata* Haw. (lead-coloured pug). Entomol. Rec. J. Variation 77 (12):294. Dec.1965. 421 En89
- 48342 CURIO, E. Results of the German Galapagos Expedition 1962-63. X. Defensive adaptations of three larvae of a *Sphingidae* (Lepidoptera) from Galapagos. (Ge) Zool. Jahrbucher Abt. Syst. Okol. Geogr. Tiere 92(4):488-522. Ref. Dec.1,1965. 410 Z751S
English summary.
Polymorphism of *Erinnyis ello* *encantada*.

- 48343 DE WORMS, BARON C. G. M. *Cirrhia gilvago* Esp. at Woking. Entomol. Res. J. Variation 77 (12):286. Dec.1965. 421 En89
- 48344 DE WORMS, BARON C. G. M. *Colias croceus* Fourc. and *Pyrameis cardui* L. in Eire. Entomol. Rec. J. Variation 77(12):293-294. Dec. 1965. 421 En89
- 48345 DE WORMS, BARON C. G. M. An exotic saturniid [*Caligula jonasi*] at Woking. Entomol. Res. J. Variation 77(12):294. Dec.1965. 421 En89
Common in Japan.
- 48346 DE WORMS, BARON C. G. M. *Plusia ni* Hubn. in Co. Kerry. Entomol. Rec. J. Variation 77 (12):289. Dec.1965. 421 En89
- 48347 DE WORMS, BARON C. G. M. Sale of the [G. F. C.] Woollett Collection of Lepidoptera. Entomol. Rec. J. Variation 77(12):288-289. Dec.1965. 421 En89
- 48348 EIDMANN, H. H. Okologische und physiologische Studien über die Lärchenminiermotte, *Coleophora laricella* HBN [Ecological and physiological studies on the larch casebearer]. Stud. Forest. Suecica 32,226 p. 99.8 St9
Bibliography, p.216-222.
- 48349 EMSLEY, M. G. Speciation in *Heliconius* (Lepidoptera, Nymphalidae), morphology and geographic distribution. Zoologica [New York] 50(4):191-254, map. Ref. Winter 1965. 410 Z722
- 48350 GILBERT, L. I., and GOODFELLOW, R. D. Endocrinological significance of sterols and isoprenoids in the metamorphosis of the American silkmoth, *Hyalophora cecropia*. Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71 (4):718-726. Ref. Dec.31,1965. 410 Z751Z
- 48351 GOZMANY, L. A. Some collections of tineid moths from Africa (Lepidoptera). Acta Zool. [Budapest] 11(3/4):253-294. 1965. 410 Ac85
Includes *Graphidivalva* n. g. and n. spp. in *Monopis*, *Machaeropteris*, *Celestica*, *Scalmatica*, *Etnodona*, *Perissomastix*, *Episcardia*, *Morophaga*, *Scalidomia*, *Hapsifera*, *Criticonoma*, *Synclipsis* n. g., *Cataxipha* n. g., *Hyperbola* n. g., *Histiovalva* n. g., and *Silosca* n. g.
- 48352 HODGES, R. W. Generic names of the *Recurvaria* group (Lepidoptera: Gelechiidae). Entomol. News [Philadelphia] 76(10):262-264. Dec.1965. 421 En88
Recurvaria, *Coleotechnites*, and *Sinoe* available for most of the North American species.
- 48353 JOHNSON, SIR G. Butterflies at Gavarnie, 1965. Entomol. Rec. J. Variation 77(12):269-271. Dec.1965. 421 En89
- 48354 KAABER, S., and NORGAARD, I. Macrolepidoptera finds for Denmark in 1964. (Da) Flora Fauna 71(3):99-105. Sept.1965. 410 F662
- 48355 KANWISHER, J. W. Tracheal gas dynamics in pupae of the cecropia silkworm. Biol. Bull. 130(1):96-105. Ref. Feb.1966. 442.8 B52
Hyalophora cecropia and carbon dioxide.
- 48356 KURATA, M., and KOYAMA, N. Records of moths in the northern part of the Japan Alps. III. Moths collected from Yasakamura, Kitaazumigun, Nagano Prefecture. (Ja) New Entomol. 14(1):1-20. Ref. Jan.1965. 421 N42
English summary.
- 48357 LIPSCOMB, C. G. Parasitized ova of *Apatura iris* L. Entomol. Rec. J. Variation 77(11):260-261. Nov.1965. 421 En89
Trichogramma evanescens, parasite.
- 48358 MESZAROS, Z. Study of flight of harmful *Pyraustidae* with the help of light traps (Lepidoptera). (Hu) Rovartani Közlemenyek (n.s.) 18(1/17):199-211. 1965. 420 So12
German summary.
- 48359 MISHRA, S. C., and TEOTIA, T. P. S. Studies on the biology of castor shoot and capsule borer. Indian Oilseeds J. 9(3):184-187. Ref. July/Sept.1965. 307.8 In22
Dichocrosis punctiferalis pest of *Ricinus communis*.
- 48360 MURA YAMA, S. Some Korean butterflies with remarks on the related species from Japan and China. (Ja) New Entomol. 14(8):1-6. Oct.1965. 421 N42
English summary.
- 48361 NORMAN, G. Pupation site of the goat moth [*Cossus cossus*]. Entomol. Rec. J. Variation 77(12):292. Dec.1965. 421 En89
- 48362 NUESCH, H. Imaginal development of *Antheraea polyphemus* Cr. (Lepidoptera). (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82 (3):393-418. Ref. Sept.30,1965. 410 Z751
- 48363 PAN, Y. S., YANG, S. L., and CHUANG, C. C. Reproductive potential of the sugar-cane grey borer, *Eucosma schistaceana* Snellen, Lepidoptera: Olethreutidae. (Ch) Taiwan Sugar Exp. Sta. Rep. 37:105-116. Ref. Jan.1965. 65.9 F76R
English summary.
- 48364 PARSONS, F. E. Notes on some Western Australian Lepidoptera-Rhopalocera with description of a new sub-species of *Anisanta albovenata*. S. Australian Mus. Rec. 15(1):175-177. 1965. 514 So8
- 48365 PEET, T. A new predator at mercury vapour traps? Entomol. Rec. J. Variation 77(11):261. Nov.1965. 421 En89
Rats, eating moths.
- 48366 PEET, T. N. D. Lepidoptera in Ireland 1965. Entomol. Rec. J. Variation 77(12):293. Dec. 1965. 421 En89
Collecting.
- 48367 SAUNDBY, R. *Spaelotis ravida* Hubn. indoors. Entomol. Rec. J. Variation 77(12):291. Dec. 1965. 421 En89
- 48368 SAXENA, P. N. Ascorbic acid in the larval stages of *Plusia signata* (Lepidoptera: Noctuidae). Nature [London] 209(5022):535-536. Jan.29,1966. 472 N21
- 48369 SCHUSTER, M. F. Comparative virulence of Texas and California polyhedrosis virus of the cabbage looper [*Trichoplusia ni*]. Rio Grande Val. Hort. Soc. J. 19:87-88. 1965. 81 L95
- 48370 SEHNAL, F. Influence of juvenile hormone on metamorphosis of supraesophageal ganglion in *Galleria mellonella* L. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):659-664. Ref. Dec.31,1965. 410 Z751Z
- 48371 SEVASTOPULO, D. G. Rearing *Heliopsis armigera* Hbn. Entomol. Rec. J. Variation 77 (11):262-263. Nov.1965. 421 En89
- 48372 SIDDALL, J. B., CROSS, A. D., and FRIED, J. H. Steroids, CCXCII. Synthetic studies on insect hormones. II. The synthesis of ecdysone. Amer. Chem. Soc. J. 88(4):862-863. Feb.20, 1966. 381 Am33J
With reference to *Samia cynthia*.
- 48373 SIGGS, L. W. *Herse convolvuli* L. in the New Forest. Entomol. Rec. J. Variation 77(11):262. Nov.1965. 421 En89
- 48374 SLOAN, N. F., and COPPEL, H. C. Oviposition patterns and egg predation of the larch casebearer, *Coleophora laricella* Hbn. in Wisconsin. Forest. Res. Notes 124,4 p. June 1965. 99.8 F76292
- 48375 SLOAN, N. F., and COPPEL, H. C. Population fluctuations of the larch casebearer, *Coleophora laricella* Hbn. in the University Arboretum, Madison, Wisconsin, 1962-1964. Forest. Res. Notes 122,3 p. June 1965. 99.8 F76292
- 48376 SLOAN, N. F., and COPPEL, H. C. Seasonal history and parasite complex of the larch casebearer, *Coleophora laricella* Hbn. in Wisconsin. Forest. Res. Notes 123,6 p. June 1965. 99.8 F76292
- 48377 SMITH, K. M., and BROWN, R. M. A study of the long virus rods associated with insect [Pieris rapae and Noctuidae] granuloses. Virology 27(4):512-519. Dec.1965. 448.8 V81
- 48378 STAFFORD, A. E. Melanism in the *Lycaenidae*. Entomol. Rec. J. Variation 77(11):262. Nov.1965. 421 En89

- 48379 STORACE, L. A new subspecies of *Papilio phorcas* Cramer (Lepidoptera, Papilionidae). East Afr. Natur. Hist. Soc. Nat. Mus. J. 25 (1):71-73. Jan.1965. 410.9 Ea73
- 48380 SWIHART, S. L., and BAUST, J. G. A technique for the recording of bioelectric potentials from free-flying insects (Lepidoptera, *Heliconius erato*). Zoologica [New York] 50(4): 255-258. Ref. Winter 1965. 410 Z722
Electroencephalograms.
- 48381 SYMES, H. Where have all the butterflies gone? Entomol. Rec. J. Variation 77(12):271-273. Dec.1965. 421 En89
Poor collecting season.
- 48382 SZOCS, J. The parasites of mining moths. Rovartani Kozlemenyek (n.s.)18(1/17):123-151. 1965. 420 So12
- 48383 TAYLOR, J. S. Notes on the life-history of *Aethiopsestis austrina nebulosa* Watson (Thyatiridae). Entomol. Rec. J. Variation 77(12): 281-282. Dec.1965. 421 En89
- 48384 TINDALE, N. B. A new species of *Holochila* (Rhopalocera, family Lycaenidae) from Victoria and southern New South Wales. S. Australian Mus. Rec. 15(1):165-174. 1965. 514 So8
- 48385 TRAVASSOS, L. Contribution to the study of Arctiidae: Genus *Robinsonia* Grote, 1865 (Lepidoptera, Heterocera). (Por) Acad. Brasil. Cienc. An. 36(4):515-537. Ref. Dec.31,1964. 516 R473A
Includes n. sp.
- 48386 VALLETTA, A. *Celerio livornica* Esp. (striped hawk moth) in Malta. Entomol. Rec. J. Variation 77(11):260. Nov.1965. 421 En89
- 48387 WELLINGTON, W. G. An approach to a problem in population dynamics. Quaestiones Entomol. 1(4):175-185. Ref. Oct.1965. 421 Q2
Malacosoma pluviale.
- 48388 WILKINSON, R. S. On freezing and storing Lepidoptera. Entomol. Rec. J. Variation 77 (11):261. Nov.1965. 421 En89
- 48389 WILTSHIRE, E. P. The recapture in 1965 of *Lithophane leautieri* Boisd. subsp. *sabinae* H.-G. Entomol. Rec. J. Variation 77(12):267-269. Dec.1965. 421 En89
- 48390 YAMAMOTO, H. Some records of *Hypolimnys misippus* Linne in Hyogo Prefecture. (Ja) New Entomol. 14(2):3-4, map. Mar.1965. 421 N42
English summary.
- 48391 ZLOTIN, A. Z. The effect of population density and of chemical treatment of food upon the development of *Ocneria dispar* L. when reared in laboratory conditions. (Rus) Zool. Zhur. 44(12):1809-1812. Ref. 1965. 410 R92
English summary.
- Orthoptera**
- 48392 ADIYODI, K. G., and NAYAR, K. K. Effects of administration of clomiphene on reproduction in female cockroaches. Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):669-676. Ref. Dec.31,1965. 410 Z751Z
Periplaneta americana.
- 48393 ALLAN, P. B. M. Will-o'-the-wisp. Entomol. Rec. J. Variation 77(12):273-280. (Concl.) Dec.1965. 421 En89
Mole-cricket *Grylotalpa grylotalpa* suspected as the luminescent insect.
- 48394 BART, A. Origin of supernumerary formations in the course of regeneration of legs in *Carausius morosus* Br. (Fr) Acad. Sci. Compt. Rend. 261(8):1901-1903. Aug.23,1965. 505 P21
- 48395 BECKER, H. W. The number of neurons, glial and perineurium cells in an insect [*Carausius morosus* Br.] ganlion. Experientia 21(12):719. Dec.15,1965. 475 Ex7
- 48396 BEI-BIENKO, G. YA. Orthopteroid insects of the orders Blattoptera and Dermaptera from Komodo and adjacent islands in Indonesia. (Rus) Zool. Zhur. 44(11):1637-1650. Ref. 1965. 410 R92
English summary.
Includes n. spp. in *Glomeriblatta*, *Panesthia*, *Neostylopyga*, *Melanozosteria*, *Epilampra*, *Audreia*, *Balta*, *Diplatys* and *Gonolabis*.
- 48397 KEVAN, D. K. M. The orthopteroid insects of Easter Island. Entomol. Rec. J. Variation 77 (12):283-286. Ref. Dec.1965. 421 En89
- 48398 LÖHER, W. Hormonal control of oocyte development in the grasshopper, *Gomphocerus rufus* L. (Acridinae). (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):677-684. Dec.31,1965. 410 Z751Z
Includes discussion.
- 48399 MA, S. C., and TING, Y. C. The regulatory mechanism in population fluctuations of the oriental migratory locust. (Ch) Acta Zool. Sinica 17(3):261-277. Ref. Sept.1965. 410 Ac87
English summary.
- 48400 PENZLIN, H. The significance of regenerative hormones in insects. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4): 584-594. Ref. Dec.31,1965. 410 Z751Z
In *Periplaneta americana*.
- 48401 SINGH, B. Studies toward the synthesis of the proposed structure for the cockroach [*Periplaneta americana*] sex attractant. J. Org. Chem. 31(1):181-185. Jan.1966. 381 J827
- 48402 STEINMANN, H. The Oedipodinae (Orth.) of Western, Central, and East Asia. Rovartani Kozlemenyek (n.s.)18(1/17):93-122. 1965. 420 So12
- 48403 UNGER, H. The influence of neurohormone-C and neurohormone-D on pigment absorption capability of Malpighian tubes (and intestine) of the stick insect *Carausius morosus* Br in vitro. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):710-717. Ref. Dec.31, 1965. 410 Z751Z
- 48404 UNGER, H. Influence of specific body hormones on the nerve activity of *Periplaneta americana* L. (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):727-740. Ref. Dec.31,1965. 410 Z751Z
- 48405 WALL, B. J. Regulation of water metabolism by the Malpighian tubules and rectum in the cockroach *Periplaneta americana* L. Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71 (4):702-709. Ref. Dec.31,1965. 410 Z751Z
- Smaller Orders**
- 48406 AKOPYAN, M. M. On the role of wind in the transportation of rodent fleas. (Rus) Zool. Zhur. 44(11):1731-1733. 1965. 410 R92
English summary.
- 48407 BECKER, G. Behavior of termites in the laboratory. (Ge) Z. Angew. Zool. 52(4):385-398. Ref. 1965. 449.8 Z36
English summary.
- 48408 BELYSHEV, B. F. A new dragon-fly speices (Odonata, Insecta) in the southern Primorie. (Rus) Zool. Zhur. 44(12):1864-1866. 1965. 410 R92
English summary.
New sp. in *Aeschnophlebia*.
- 48409 BOCHAROVA-MESSNER, O. M. Ontogenesis of the thoracal skeleton and muscles of *Baetes* sp. (Baetidae, Ephemeroptera). (Rus) Zool. Zhur. 44(12):1790-1800. Ref. 1965. 410 R92
English summary.
- 48410 BODOR, J. Data on new locality of *Sympetrum pedemontanum* Allioni. (Hu) Rovartani Kozlemenyek (n.s.)18(1/17):295. 1965. 420 So12

- 48411 BORNEMISSZA, G. F. Specificity of male sex attractants in some Australian scorpion flies [Harpobittacus (Bittacidae, Mecoptera)]. Nature [London] 209(5024):732-733. Feb.12,1966. 472 N21
- 48412 COMEGYS, G. R., and SCHMITT, J. B. A list of the Thysanoptera or thrips of New Jersey. N. Y. Entomol. Soc. J. 73(4):195-222. Ref. Dec.1965. 420 N48J
Includes agricultural and nonagricultural host plants.
- 48413 CORNELL, J. F. Discovery of a web spinner (Insecta: Embioptera) in Duplin County, North Carolina. Elisha Mitchell Sci. Soc. J. 81(2):80. Nov.1965. 500 EL4
Oligembia vandykei.
- 48414 EDA, S. Description of the larval stage and oviposition behaviour of Platycnemis echigoana Asahina (Odonata). (Ja) New Entomol. 14(5):1-5. July 1965. 421 N42
English summary.
- 48415 GEILER, H. Sun regulated behavior of larvae of Euroleon nostras Fourcr. in funnel traps. (Ge) Naturwissenschaften 52(19):542. Oct.1, 1965. 474 N213
- 48416 GRENIER, P., and KLEIN, J. M. Complementary description of Dinopsyllus brachyptecten Smit, 1951 and Nosopsyllus ziarus Klein, 1963 (Insecta, Siphonaptera). (Fr) Soc. Pathol. Exot. Bull. 58(2):297-305. Mar./Apr. 1965. 448.9 So13
- 48417 HAMILTON, J. Britain borrows fleas from Australia. Entomologist [London] 98(1231):265-267. Dec.1965. 421 En8
Australian National Insect Collection, proclaimed as such on March 8, 1962.
- 48418 KESKPAIK, J. The biggest insect in Estonia, the dragon fly. (Es) Eesti Loodus 4:210-215. July/Aug.1965. 409.6 Ee7
English summary, p.3 preceeding p.193.
- 48419 KIS, B., and UJHELYI, S. Chrysopa commata sp. n., and some remarks on the species Chrysopa phyllochroma Wesm. (Neuroptera). (Ge) Acta Zool. [Budapest] 11(3/4):347-352. 1965. 410 Ac85
- 48420 KLEIN, J. M. A new species of Dinopsyllus Jord. and Roth., 1913 from Madagascar, D. flacourti n. sp. (Insecta, Siphonaptera). (Fr) Soc. Pathol. Exot. Bull. 58(2):291-296. Mar./Apr.1965. 448.9 So13
- 48421 KLEIN, J. M. Synopsyllus giradi n. sp. (Insecta, Siphonaptera), new species of flea from the eastern forest of Madagascar. (Fr) Soc. Pathol. Exot. Bull. 58(2):306-311. Mar./Apr. 1965. 448.9 So13
- 48422 KRYLOV, D. G., and SHVARTS, E. A. Some peculiarities of the geographical distribution of fleas in the Issyk-Kul area in relation to the distribution of rodents and Leporidae. (Rus) Zool. Zhur. 45(1):137-139, map. 1966. 410 R92
English summary.
- 48423 KURATA, M. Odonata fauna of the Saigawa and its neighbors. II. Dragonflies in the northern part of the Japanese Alps, Kitaazumigun, Nagano Prefecture. (Ja) New Entomol. 14(9):1-15, map. Ref. Nov.1965. 421 N42
English summary.
- 48424 MICKOLEIT, G. Morphological interpretation of the caudal sternocoxal muscles in the pterothorax of neuropteroids. (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(3):521-531. Ref. Sept.30,1965. 410 Z751
- 48425 NEBEKER, A. V., and GAUFIN, A. R. The Capnia columbiana complex of North America (Capniidae: Plecoptera). Amer. Entomol. Soc. Trans. 91(4):467-487. Ref. Dec.1965. 420 P53
Includes n. spp.
- 48426 NĚGRU, S. New data on Ricinus phoenicuri Negru (Mallophaga). (Fr) Angew. Parasitol. 6(3):170-178. Aug.1965. 436.8 An4
English summary.
From Rumania.
- 48427 OZEKI, K. Control of the secretion of juvenile hormone in the earwig, Dermaptera. Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):641-646. Dec.31,1965. 410 Z751Z
In Anisolabis maritima.
Includes discussion.
- 48428 OZEKI, K. Studies on the function of the corpus allatum during the last nymphal stage in the earwig, Anisolabis maritima. Tokyo. Univ. Coll. Gen. Educ. Sci. Pap. 15(2):149-156. Dec.1965. 330.9 T572
- 48429 PRICE, R. D., and EMERSON, K. C. A new species of Machaerilaemus [M. raggianae] (Mallophaga: Menoponidae) from the red-plumed bird of paradise. Entomol. News [Philadelphia] 76(10):275-277. Dec.1965. 421 En88
- 48430 RAMCKE, J. The head of the hog louse (Haematopinus suis L., Anoplura). (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(4):547-648. Ref. Dec.31,1965. 410 Z751
English summary.
- 48431 RICHARDS, A. G. The proventriculus of adult Mecoptera and Siphonaptera. Entomol. News [Philadelphia] 76(10):253-256. Dec.1965. 421 En88
- 48432 RISLER, H., and GEISINGER, K. Mouth parts of Gliricola gracilis N. (Mallophaga, Amblycera), a contribution to the morphology of the head of the sucking lice, (Phthiraptera). (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(3):532-545. Ref. Sept.30,1965. 410 Z751
- 48433 ROHDENDORF, E. Influence of allatectomy on adult females of Thermobia domestica Packard (Lepismatidae, Thysanura). (Ge) Zool. Jahrbucher Abt. Allg. Zool. Physiol. Tiere 71(4):685-693. Dec.31,1965. 410 Z751Z
Effects of ultraviolet rays on fertility.
- 48434 ROSTIGAYEV, B. A., and GROKHOVSKAYA, I. M. On the flea fauna in North Vietnam. (Rus) Zool. Zhur. 45(1):61-67. Ref. 1966. 410 R92
English summary.
- 48435 SCHLIWA, W. Comparative anatomical/histological studies of the spermatophore development in Collembola (with remarks on Diplura and Oribatei). (Ge) Zool. Jahrbucher Abt. Anat. Ontog. Tiere 82(3):445-520. Ref. Sept.30,1965. 410 Z751
- 48436 SONEHARA, I. Dragonfly fauna in Saku-city and Minamisaku-gun, Nagano prefecture. 3. (Ja) New Entomol. 14(4):1-8. June 1965. 421 N42
English summary.
- 48437 TOUMANOFF, C., and ROMBAUT, J. Activity of some entomophagous fungi on appropriately attractive culture media on the Saintonge termite, Reticulitermes santonensis (de Feytaud). (Fr) Ann. Parasitol. Humaine Comp. 40(5):605-609. Sept./Oct.1965. 436.8 An7
Metarrhizium anisopliae and Beauveria bassiana.
- 48438 TOUMANOFF, C. Activity of various entomophagous fungi on Reticulitermes santonensis. (Fr) Ann. Parasitol. Humaine Comp. 40(5):611-624. Ref. Sept./Oct.1965. 436.8 An7
- 48439 WEISER, J. Two Microsporidia from caddisfly [Trichoptera] larvae. (Ge) Zool. Anz. 175(2/3):229-234. Aug./Sept.1965. 410 Z7
- 48440 YAMAMOTO, Y. Sympetrum dragonflies (Libellulidae) from Jokoji district. (Ja) New Entomol. 14(2):1-2. Mar.1965. 421 N42
English summary.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology, references on forestry equipment with Forestry, references on industrial equipment with Agricultural Products, and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 48441 BOSTELMANN, O. Higher form of cooperation within the Kammer der Technik. (Ge) Deut. Agrartech. 16(2):53-55. Feb.1966. 58.8 D482
- 48442 EDEN, A. R. The education and training of the agricultural surveyor for the 1970s. Chartered Surv. 98(9):482-484. Mar.1966. 325.8 C38
- 48443 FAUTH, C. Problems connected with machine use in soil stabilization for farm road construction. (Ge) Deut. Agrartech. 16(2):75-77. Feb.1966. 58.8 D482
- 48444 FOSS, E. W. Lightning protection. Cornell Univ. Ext. Cornell Ext. Bull. 1150,16 p. Sept. 1965. 275.29 N48E
- 48445 FOSS, E. W. Water supplies for rural fire protection. Cornell Univ. Ext. Cornell Ext. Bull. 1151,16 p. Oct.1965. 275.29 N48E
- 48446 FREUDENBERG, G. Some principles in choosing rational methods in farm road construction in the DDR. (Ge) Deut. Agrartech. 16(2):70-74, map. Feb.1966. 58.8 D482
- 48447 LIAKOPOULOS, A. C. Derivation of differential equation governing simultaneous flow of liquids and gases through porous media. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):210-215. Ref. 1965. 290.9 Am32T
- 48448 MOSS, C. J. National Institute of Agricultural Engineering. Times Sci. Rev. 59:10-11. Spring 1966. 472 T48
- 48449 ORMOS, I. Kerteszeti foldmerest es kert-technika [Horticultural surveying and gardening technology]. Ed. 3, enl. Budapest, Mezogazdasagi Kiado, 1965. 498 p. Ref. QB301.07
- 48450 SINN, W. We are planning a new farm. (Ge) DLZ (Deut. Landtech. Z.) 17(2):76,78,82. Feb. 1966. 58.8 T677
- 48451 SIPE, F. H. Surveying rural property boundary lines in West Virginia, a guide for surveyors, attorneys, landowners and others. Parsons, W. Va., McClain, 1965. 69 p. Ref. TA551.S5
- 48452 SPECK, E. Conditions for rational soil stabilization experiments in road construction. (Ge) Deut. Agrartech. 16(2):78-79. Feb.1966. 58.8 D482
- 48453 TOGNON, G. Considerations on the stabilization of agricultural lands for rural roads. (It) Genio Rurale 28(7/8):621-628. July/Aug.1965. 281.8 R522
- 48454 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Farm and home safety & health. Wash. State Univ. Ext. E. M. 2513,19 p. Apr. 1965. 275.29 W27Mi

FARM MACHINES AND EQUIPMENT

- 48455 ALLEY, H. O. Mississippi farmers helping themselves with machinery cooperative. News Farmer Coop. 32(11):6,23. Feb.1966. 166.2 N47
- 48456 ANTOSHEVICH, V. Service lives of machines and depreciation in agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:9-24. Feb.14,1966. (JPRS 34,110; TT 66-30552; CSO 1830-D/PE-177) 173 J663Tsi
- Translation from Voprosy Ekonomiki 11:64-74. Nov.1965.

- 48457 BELOTELOV, V., and BRADLE, V. Factors preventing improvement in the quality of machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:11-15. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
- Testing machines.
- Translation from Sel'skaya Zhizn', Aug.11, 1965:3.
- 48458 BLUME, F. Productive and simplified farm management through present solutions in mechanics. (Ge) In Kaufmann, W., ed. Leistungsfähige und vereinfachte Innenwirtschaft, p.19-29. 1964. 281.175 K16
- 48459 BOBNYUKHOV, E. Problems of the Mossel' mash plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:22-24. July 9,1965. (JPRS 30,999; TT 65-31497; CSO 1830-D) 173 J663Tsi
- In producing machines for vegetable growing.
- Translation from Leninskoye Znamya, June 3, 1965:2.
- 48460 BORSOS, J. Mechanization and economy of the cooperatives of Karcag. (Hu) Magyar Mezőgazdasag 21(5):8-9. Feb.2,1966. 19 M27
- 48461 BOWDITCH, G. Field capacity of farm machinery. Power Farming Australia New Zeal. Better Farming Dig. 75(1):4-6,89,91. Jan.1966. 58.8 P87
- 48462 BOWDITCH, G. Matching farm machines to tractors. Power Farming Australia New Zeal. Better Farming Dig. 75(1):7-9,99. Jan.1966. 58.8 P87
- 48463 BRITTON, D. K. The changing pattern of agriculture in the East Midlands. III. Machinery and equipment. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 34:39-43. Autumn 1965. 281.9 N842
- 48464 BRUNOLI, A. Colloquium on the fields: the de-urbanization of advisory centers and marketing of technical equipment. (It) Genio Rurale 28(10):786-789. Oct.1965. 281.8 R522
- 48465 BUDAPEST, MEZOGAZDASAGI GEPKISERLE-TI INTEZET. Beszamolo az Intezet 1964. evi munkajarol [Report on the activity of the Farm Machinery Research Institute in 1964]. Budapest. Mezogazdasagi Gepkiserleti Intezet Kozlem. Mezogazdasagi Gepesitesi Tanulmanyok 12(1),136 p. 1965. 58.9 B85M
- Includes list of publications by the Institute.
- 48466 CERISOVSKY, H., and SONNTAG, S. Modern milk collecting technology in agriculture and in the milk industry. (Ge) Tierzucht 19(12):630-635. Ref. Dec.1965. 49 T443
- Handling, transportation and storage.
- 48467 COLLINS, N. E., HARRIS, W. L., and BURKHARDT, G. J. Pneumatic conveying of chopped forage. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):196-198. 1965. 290.9 Am32T
- Hay.
- 48468 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 38(418):1365-1373. (Cont.) Dec.1965. 390.8 B87
- National reports on mechanization of various cultural procedures for grapes; Morocco, by M. S. Eddine.
- 48469 COOLMAN, F. The aspects of farm mechanization in the United States of America. IV. (Du) Landbouwmecanisatie 17(2):205-208. Feb.1966. 58.8 L2352
- English summary.
- 48470 CRUCQ, J., HELDEN, P. J. J. VAN., and STROOKER, E. Agricultural equipment. (Du) Landbouwmecanisatie 17(2):133-145. (Cont.) Feb.1966. 58.8 L2352
- 48471 CULPIN, C. Mechanisation and bulk handling in relation to intensive cereal production. Nat. Inst. Agr. Bot. J. 10(2):362-367. 1965. 103 N21J

- 48472 DAVIDENKO, A. I., and NALIVKO, G. V. Trends in mechanization of tobacco. (Rus) Tabak 4:37-39. 1965. 69.8 T112
- 48473 DOHNE, E. Tractor-three-point-rear loader-construction types and usage. (Ge) Landtechnik 21(3):54-58. Feb.1,1966. 58.8 L235
- 48474 DZHUNUSOV, Z. Need for early replacement of agricultural machinery in farms of Kazakhstan. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:1-4. Dec.14,1965. (JPRS 33,315; TT 65-33890; CSO 1830-D/PE) 173 J663Tsi
Translation from Kazakhstanskaya Pravda, Oct.27,1965:2.
- 48475 FEDOSOV, A. Collective farms are hampered by supply problems. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:10-13. June 14,1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Supply of machinery.
Translation from Moskovskaya Pravda, Apr.21,1965:2.
- 48476 FELDMANN, F. The importance of motorization and mechanization in agriculture. (Ge) Chem. Tech. Landwirt. 17(2):35-36. Feb.1966. 384 C4292
- 48477 HAASE, H. Spring work on the pasture. (Ge) Landmasch.-Markt 45(4):164,166. Feb.16, 1966. 58.8 L239
Equipment for various tasks.
- 48478 HAGERT, H. Testing of machine system for the production of table and seed potatoes. (Ge) Deut. Agrartech. 16(2):60-63. Feb.1966. 58.8 D482
- 48479 HARRIS, W. L., FELTON, K. E., and BURKHARDT, G. J. Design data for pneumatic conveying of chopped forage. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):194-195.1965. 1965. 290.9 Am32T
- 48480 IONESCU, A. I. New data on the mechanization of culture of grapes. (Rum) Gradina, Via Livada 14(4):78-82. Apr.1965. 80 G75
- 48481 ISHWARA, K. Research activities in West Germany. (Ja) Soc. Agr. Mach. Jap. J. 20(4):265-270, map. Mar.1965. 58.9 Sol
Agricultural machinery.
- 48482 JETTER, K. Concentration movement in the international farm machine and tractor industry. (Ge) Landtechnik 21(5):125-127. Mar.1, 1966. 58.8 L235
- 48483 KARDAPOL'TSEV, A. Advanced forms of use and servicing the machine-tractor park. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:1-14. Mar.11,1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 12:19-29. Dec.1965.
- 48484 KHESIN, A. YA. All-Union conference on problems of improvement of quality, reliability and longevity of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:20-23. Sept.23,1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:49. 1965.
- 48485 KIRKIN, M. Preparation for winter repairs of agricultural machinery and renovation of work parts in Kirgizia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:1-4. Dec.29,1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Repair-technical station.
Translation from Sovetskaya Kirgiziya, Nov.13,1965:2.
- 48486 KLEY, H. Machine system for the production of feed and industrial potatoes. (Ge) Deut. Agrartech. 16(2):64-65. Feb.1966. 58.8 D482
- 48487 KOLESNIKOV, M. Measures for improving farm machine repair through shop specialization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:15-20. Aug.10,1964. (JPRS 31,487; TT 65-31983) 173 J663Tsi
Translation from Kolkhoznoe-Sovkhoznoe Proizvodstvo 12:30-31. Dec.1964.
- 48488 KONOPLEV, B. Repair stations in Permskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:9-13. June 10,1965. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Rossiya, May 19,1965:1.
- 48489 KONOVALOV, O. Basic trends in the development of agricultural machine-building. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 86:1-14. July 28,1965. (JPRS 31,286; TT 65-31783; CSO 1840-N) 173 J663Tso
Translation from Voprosy Ekonomiki 5:3-14. May 1965.
- 48490 KORBUT, L. Improving the variety, design, and sale of farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:35-47. Sept.16,1965. (JPRS 32,024; TT 65-32518; CSO 1830-S) 173 J663Tsi
Translation from Kommunist 7:53-63. May 1965.
- 48491 KORBUT, V. A. Universalization and unification of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:1-6. Sept.23,1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:1-2. June 1965.
- 48492 KOZHEVNIKOV, P. Material-technological assistance for Soviet agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 277:1-10. Sept.3,1965. (JPRS 31,864; TT 65-32358; CSO 1830-D) 173 J663Tsi
Maintenance and operation of machines.
Translation from Ekonomika Sel'skogo Khozyaistva 6:28-34. June 1965.
- 48493 KUTSEV, G., and MATVEYCHUK, V. Unsatisfactory performance of some of the new Soviet agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 148:4-8. Oct.30,1964. (JPRS 27,164; TT 64-51420; CSO 1830-N/PE) 173 J663Tsi
Translation from Komsomol'skaya Pravda, June 27,1964:2.
- 48494 LAVRENT'YEV, V. More complete and realistic indicators of machines will lead to efficiency and economy. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:7-9. Aug.2,1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 23:17. June 1965.
- 48495 LEYGA, V. New machines being produced in the Lithuanian SSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:12-14. Aug.10,1965. (JPRS 31,387; TT 65-31983) 173 J663Tsi
Translation from Mashinostroitel' 6:44. June 1965.
- 48496 LIPOVETSKIY, E. Reliable machines for the rural communities. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 235:6-10. Oct.28,1965. (JPRS 32,608; TT 65-33087; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 32:18. Aug.11,1965.

- 48497 LORDKIPANIDZE, N. Mechanization of tea cultivation and harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 160:1-3. Dec.22, 1964. (JPRS 27,952; TT 64-51989; CSO 1830-D) 173 J663Tsi
Translation from Zarya Vostoka, Nov.18, 1964:2.
- 48498 MANUKOV, N. A review of the works of inventors and innovators. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:1-5. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-S) 173 J663Tsi
Translation from Vystavka Dostizhenii Narodnogo Informatsionnyi Byulleten' 5:28-30. May 1965.
- 48499 MARTENS, K. Co-operation in the field of farm mechanization in the Netherlands and the Federal Republic of Western Germany. (Du) Landbouwmecanisatie 17(2):195-201. Feb. 1966. 58.8 L2352
English summary.
- 48500 MIKECZ, I. Livestock mechanization in the Soviet Union. (Hu) Magyar Mezogazdasag 21 (5):16-17. Feb.2, 1966. 19 M27
- 48501 MIKES, K. Research in the mechanization of handling and applying fertilizers. (Cz) Za Vysokou Urodu 13(12,sup.):7-8. Dec.7, 1965. 64.8 Z12
- 48502 MOLDOVAN, P. Rational utilization of machines as a method for achieving a high agro-technical level. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:26-29. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste
Rumania.
Translation from Agricultura Socialista 15:1-2. Apr.15, 1965.
- 48503 MORDERER, D. Restoring machinery parts in Moldavia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 152:15-24. Nov.19, 1964. (JPRS 27,444; TT 64-51693; CSO 1830-D-PE) 173 J663Tsi
Chiefly repair and technical work.
Translation from Tekhnika v Sel'skom Khozyaistve 9:27-30. Sept.1964.
- 48504 NEUMANN, H. Potato culture on the cross-road. (Ge) DLZ (Deut. Landtech. Z.) 17(2):60-61,65. Feb.1966. 58.8 T677
Includes role of mechanization
- 48505 NIKOLAYEV, G. A. On the system of machines for full mechanization of agriculture between 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:7-13. Sept.23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:17-19. 1965.
- 48506 NORTHWEST FARM EQUIPMENT JOURNAL. 1966 Buyers manual edition. Northwest Farm Equip. J. 80(3),94 p. Mar.1966. 58.8 F222
- 48507 OVSYANNIKOV, L. Marketing and maintenance of farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:5-8. Nov.3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:30. Aug.18, 1965.
- 48508 PETERSEN, H. J. Increased mechanization of dairy barns. (Da) Dansk Landbrug 85(2):39-42. Feb.1966. 280.28 V91
- 48509 POKROPIVNYI, S., and FEDONIN, A. Better planning and material stimulation needed for higher output in Ukrainian farm machine building plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 239:12-15. Nov.15, 1965. (JPRS 32,853; TT 65-33431; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 39:15. Sept.29, 1965.
- 48510 PRIKHOD'KO, P. Advantages of combined technical servicing and repair of agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 149:1-6. Nov.13, 1964. (JPRS 27,352; TT 64-51608; CSO 1830-N-PE) 173 J663Tsi
Translation from Agitator 12:44-47. June 1964.
- 48511 PUTINTSEVA, M., and BEL'DINSKIY, I. Causes of farm machinery failure during peak agricultural periods in Western Siberia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:4-6. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-D) 173 J773Tsi
Operation of equipment.
Translation from Sovetskaya Rossiya, May 28, 1965:1.
- 48512 QUEENSLAND. DEPT. OF PRIMARY INDUSTRIES. Farm management reference data. 6. Section E—Machinery. Queensland Agr. J. 91 (12):723-737. Dec.1965. 23 Q33
Chiefly costs.
- 48513 REPENKO, A. High production quality necessary for further growth. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:10-13. Aug.2, 1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi
Farm machinery.
Translation from Ekonomicheskaya Gazeta 23:17. June 1965.
- 48514 RUSANOVICH, A., MODELEVICH, S., and SHABANOV, A. Development and application of caprone for manufacturing spare parts at the Minsk spare parts plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 208:1-5. June 11, 1965. (JPRS 30,569; TT 65-31245; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Belorussiya, Apr.28, 1965:2.
- 48515 SANDERS, O. "Lyepaysel'mash" plant operating well. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:5-8. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Constructing agricultural machines.
Translation from Sovetskaya Latvija, May 14, 1965:2.
- 48516 SCHAFMAYER, H. Mechanization of cultivation work by electronically controlled machines. (Ge) Landmasch.-Markt 45(4):159-161. Feb.16, 1966. 58.8 L239
- 48517 SCHERTZ, C. E., and HAZEN, T. E. Movement of shelled corn on an oscillating conveyor. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):582-583,589. 1965. 290.9 Am321
- 48518 SERYAKOV, I. Need for price revision on work done by "Sel'khoztehnika." U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:7-10. June 9, 1965. (JPRS 30,511; TT 65-31216; CSO 1830) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 4:31-32. Jan.27, 1965.
- 48519 SITKEI, GY. Bearing capacity of quicksand. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(2):56-64. Feb.1966. 58.8 J29
English summary on p.4 of content.
In relation to mechanization.
- 48520 SKIBNEVSKII, YU. Industrial repair base for agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 232:6-12. Oct.5, 1965. (JPRS 32,243; TT 65-32733; CSO 1830-D) 173 J663Tsi
Repair-technical stations.
Translation from Tekhnika v Sel'skom Khozyaistve 6:1-4. June 1965.
- 48521 SOUCEK, R. The problem of driving components of agricultural machines in relation to the knuckle-joint. (Ge) Arch. Landtech. 5(1):67-92. Ref. 1965. 58.8 Ar22
English summary.

- 48522 STADNIK, A. System for determining the work-load of equipment at the Rostov agricultural machinery plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 247:10-12. Dec.14,1965. (JPRS 33,310; TT 65-33885; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 42:12. Oct.1965.
- 48523 STOLL, W. Chances of medium and small farms in the development of farm machines. (Ge) Landtech. Forsch 15(6):173-177. Dec. 1965. 58.8 L2332
- 48524 STOUT, B. A. Mechanization on the American farm. New Sci. 29(481):271-273. Feb.3,1966. 472 N42
- 48525 TAYTS, Z. Large-scale techniques applied to rural industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:1-3. Nov.17,1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi
Repair-technical stations.
Translation from Trud, May 13,1964:2.
- 48526 TOTH, D. Some theoretical problems in the modernization of grape production. (Hu) Gazdalkodas 10(1):55-61. Feb.1966. 281.8 G25
Includes mechanization aspects.
- 48527 TUREK, E. Mission, area, and organizational structure of Institute for the Mechanization of Agriculture in Potsdam-Bornim [Potsdam Institut für Mechanisierung der Landwirtschaft]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:1-6. May 21,1965. (JPRS 30,195; CSO 2900-D) 173 J663Ste
Translation from Deutsche Agrartechnik 15 (4):149-152. Apr.1965.
- 48528 VASILIU, C. Mechanization as a requirement of modern agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 421:19-23. Mar.4,1966. (JPRS 34,408; TT 66-30848; CSO 2700-D) 173 J663Ste
Translation from Agricultura Socialista 50:5. Dec.16,1965.
- 48529 VENZOVSKII, A., and STOLYAROVA, M. Elimination of defects in the planning of machine-building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 232:1-5. Oct.5,1965. (JPRS 32,243; TT 65-32733; CSO 1830-D) 173 J663Tsi
Translation from Planovoe Khozyaistvo 7:45-57. July 1965.
- 48530 VOYDA, A. N. The Rostov Conference on Quality and Durability of Agricultural Machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 218:56-58. July 28,1965. (JPRS 31,288; TT 65-31785; CSO 1830-D) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 5:46-47. May 1965.
- 48531 WESTERN FARM EQUIPMENT. Directory of classified products, manufacturers, wholesalers and sales representatives with Western distribution. West. Farm Equip. 63(3):15-20, 22,24-29,31-32,34,36-40,42,44-48,50-51,54,56, 58-59,61-62,64,68,70-82,84-85,88-90,92,94-99. Mar.1966. 58.8 Im73
- 48532 YANKYAVICHYUS, R. Preparation of agricultural machinery for spring delayed to Lithuania. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:5-7. Dec.29,1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Litva, Nov.30, 1965:2.
- 48533 YENA, A. Exchange centers in Tselinnyy Kray. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:5-11. Nov.4,1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Repair-technical stations.
Translation from Tekhnika v Sel'skom Khozyaistve 9:60-62. Sept.1965.
- 48534 YEZHEVSKIY, A. A. "Sel'khoztekhnika" repair facilities to be expanded. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:8-10. Sept.16,1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Repair-technical stations.
Translation from Trud, Aug.18,1965:2.
- 48535 ZIHLMANN, F. Compensation charges for use of farm machines and equipment in 1966. (Ge) Traktor Landmasch. 28(3):155-161. Feb.1966. 58.8 T678Ag
- 48536 ZUCCHI, G. Mechanization is the basic element in the development of Italian agriculture. (It) Mach. Motori Agr. 24(3):87-91. Mar. 1966. 58.8 M13

Animal Husbandry Equipment

- 48537 BARTMANN, R. Milking automation. (Ge) Deut. Landwirt. 17(1):22-25. Jan.1966. 18 D4822
- 48538 BRACKS, J. M. Dairy detergents and sanitizers. Dairy Top. 10(2):4-6. Mar./Apr.1965. 44.8 D1444
Milking equipment sanitation.
- 48539 CANNARD, H. Mechanization in milking and milk processing. (Fr) Tech. Lait. 22(512):9, 15-17. Mar.10,1966. 44.8 Of2
Operation and types of machines.
- 48540 CURTIN, W. T. Sediment catchment tank. Dairy Top. 10(3):6-7. May/June 1965. 44.8 D1444
Dairy farm sanitation.
- 48541 GREAT BRITAIN. MINISTRY OF AGRICULTURE FISHERIES AND FOOD. Efficient milking. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 539,6 p. Oct.1965. 10 G79La
Machines and technique.
- 48542 GREBEN', G. G., and KHRAPACH, E. Mechanized dairy barn for tied in cattle. (Rus) Tekh. Sel'skom Khoz. 2:25-29. Feb.1966. 58.8 M11
- 48543 GUSS, S. B. Where are we going with pipeline milkers. Dairy Plant Fieldman 9(5):12-13. May 1965. 44.8 D1419
- 48544 KVELDE, YA. Latvian automated milking units. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:1. Nov.3,1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:29. Aug.1965.
- 48545 MARMET, R. Seven commandments for mechanical milking. (Fr) Avenir Agr. 6:37-40. Nov./Dec.1965. 14 Av32
Operation and sanitation.
- 48546 MCKENZIE, B. A., and PEART, R. M. Silage feed center with complete weight control. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):281-283,287. 1965. 290.9 Am32T
For cattle.
- 48547 MOORE, C. L. Effects of pulsation rates of 44, 55 and 66 and pulsation ratios of 50:50 and 60:40 on milking rate and milking time. J. Dairy Sci. 48(12):1612-1614. Dec.1965. 44.8 J822
- 48548 NOACK, W. Feed concentrate dispensing in cattle feeding. (Ge) Deut. Landwirt. 17(1):28-32. Ref. Jan.1966. 18 D4822
Equipment.
- 48549 PATKOS, I. Technological installations for milk feeding-calf rearing plants. (Hu) Magyar Mezőgazdaság 21(3):16-17. Jan.19,1966. 19 M27
- 48550 SANNINO, D. Adequate and reasonable equipment guarantees a truly industrialized poultry enterprise. (It) Avicoltura 34(7):97-98. July 1965. 47.8 R523
- 48551 SCHWIDERSKI, H. Extent of usage of milk hoses. (Ge) Tierzucht 19(12):637-638. Dec. 1965. 49 T443

- 48552 WEHOWSKY, G., and others. On the future use of barn pipeline milking systems and milking stands. (Ge) Deut. Landwirt 17(1):18-22. Ref. Jan.1966. 18 D4822
F. Troger, H. Cersovsky, and R. Bartmann, joint authors.

- 48553 WRIGHT, E. O. Thinking about a pipeline milker? Hoard's Dairyman 111(5):307. Mar.10, 1966. 44.8 H65

Cultivation and Tillage Equipment

- 48554 ALI-KHAFAT, A. M. Problems of complex cultivation of soil and seeding under conditions of Iraq. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:213-215. 1965. 20 M857
Cultivator-planter for grain crops.
- 48555 BEEK, M. A. VAN DER. Results of experiments with mechanical thinning and drilling to a stand of sugar beet in the south-west part of the Netherlands. (Du) Landbouwmecanisatie 17(2):173-178. Feb.1966. 58.8 L2352
English summary.
- 48556 BERSHTIN, D. Production at the Uzbek tractor assembly plant in Tashkent. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:5-7. Dec.14, 1965. (JPRS 33,315; TT 65-33890; CSO 1830-D/PE) 173 J663Tsi
Cotton cultivators and pickers.
Translation from Pravda Vostoka, Oct.14, 1965:2.
- 48557 BOWDITCH, H. G., and WILLIS, A. H. Dynamic and kinematic characteristics of stump-jump mechanisms. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):406-408. 1965. 290.9 Am32T
In tillage equipment.
- 48558 CHUMA, Y., and ONO, M. Research and experiments with deep plowing in fields with foreign-made wheel tractors and the problems involved. (Ja) Soc. Agr. Mach. Jap. J. 27(1):42-49. June 1965. 58.9 Sol
- 48559 CZERATZKI, W. Principles of soil cultivation in mechanized agriculture. (Ge) Landtechnik 19(19):700-702. Oct.1,1964. 58.8 L235
- 48560 D'ARRIGO, A. Mechanization and weed control. West. Grower Shipper 37(2):15-16,25. Feb. 1966. 280.38 W52
Weed control equipment of field crops.
- 48561 DOI, J., and YASUDA, Y. Dynamics of three points linkage hitching. V. Fundamentals of the vertical motion for a plow. (Ja) Soc. Agr. Mach. Jap. J. 27(1):18-23,14. June 1965. 58.9 Sol
English summary.
- 48562 DOMSCH, M. Thoughts on minimum cultivation. (Ge) Deut. Agrartech. 16(1):9-12. Ref. Jan.1966. 58.8 D482
Includes equipment.
- 48563 EMORI, R. I., and SCHURING, D. Feasibility of model study in earthworking equipment. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):298-300,304. 1965. 290.9 Am32T
In relation to soil mechanics.
- 48564 EVERS, P. N. Soil cultivation for tillage and mechanical care of sugar and forage beets. (Ge) Landtechnik 19(19):743-746. Oct.1,1964. 58.8 L235
- 48565 FEUERLEIN, W. Mixing and loosening. (Ge) Landtechnik 19(19):713-716. Oct.1,1964. 58.8 L235
Plows and cultivators, chiefly.
- 48566 FEUERLEIN, W. Plowing—or what else? (Ge) Landtechnik 19(19):708,710-711. Oct.1,1966. 58.8 L235
Equipment.
- 48567 FEUERLEIN, W. Sensible equipment combinations. (Ge) Landtechnik 19(19):732-734. Oct.1,1964. 58.8 L235
Seedbed preparation.

- 48568 FEUERLEIN, W. Tillage equipment with stationary instruments. (Ge) Landtechnik 19(19):716-717,720,722-723. Oct.1,1964. 58.8 L235
Includes harrows.

- 48569 FOX, W. R., and BOCKHOP, C. W. Characteristics of a teflon-covered simple tillage tool. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):227-229. 1965. 290.9 Am32T

- 48570 FRANKE, R. Tractor and tillage. (Ge) Landtechnik 19(19):746-748,750. Oct.1,1964. 58.8 L235
Power lift on plows.

- 48571 FROLOV, V., and SHISHKIN, V. Equipment for tillage of bed ridge slopes. (Rus) Tekh. Sel'skom Khoz. 2:50-51. Feb.1966. 58.8 M11
Attached to the tractor.

- 48572 HASCHKER, A. Mechanized soil cultivation, a contribution to increasing soil fertility. (Ge) Deut. Agrartech. 16(1):7-9. Jan.1966. 58.8 D482

- 48573 HECHELMANN, H. G. Soil cultivation for tillage and mechanical care of potatoes. (Ge) Landtechnik 19(19):740-743. Oct.1,1964. 58.8 L235

- 48574 HECHELMANN, H. G. Soil cultivation in potato culture. (Ge) DLZ (Deut. Landtech. Z.) 17(2):66-67. Feb.1966. 58.8 T677
Equipment.

- 48575 HEEGE, H. Soil cultivation in the age of tractors and chemical weed control. (Ge) Landtechnik 21(4):84,86-87. Feb.15,1966. 58.8 L235
Tillage equipment.

- 48576 IGAKI, C., and YAMAMOTO, H. Study on the plowing capacity of 4-wheel tractor. V. Advantage and disadvantage of the continuous plowing methods. (Ja) Soc. Agr. Mach. Jap. J. 26(4):255-258. Mar.1965. 58.9 Sol
English summary.

- 48577 IGAKI, C., and YAMAMOTO, H. Study on the plowing capacity of the 4 wheel tractor. VI. Effect of the travel speed. (Ja) Soc. Agr. Mach. Jap. J. 27(1):15-17. June 1965. 58.9 Sol
English summary.

- 48578 KERSTING, E. One man operation with the tractor-mounted straight-line hoe in beets. (Ge) Landtech. Forsch. 15(6):178-183. Dec. 1965. 58.8 L2332
English summary.

- 48579 KITANI, O. Fundamental studies on tillage machinery. VI. (Ja) Soc. Agr. Mach. Jap. J. 26(4):213-217. Mar.1965. 58.9 Sol
English summary.

- 48580 KREMP, J. Self-sharpening effect of plowshares. (Ge) Deut. Agrartech. 16(1):22-24. Ref. Jan.1966. 58.8 D482

- 48581 KUNZE, A. New cultivating method aimed to increase soil fertility. (Ge) Deut. Agrartech. 16(1):4-7. Jan.1966. 58.8 D482
Various tillage equipment and methods.

- 48582 LOON, H. L. VAN. Mechanization of digging. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:134-139. 1965. 86 B65

- 48583 PAK, M. S. Perspective type of tractor-cultivator. (Rus) Khlopkovodstvo 1:43-46. Jan. 1966. 72.8 K522
Used in cotton growing.

- 48584 PERUCCI, E. From hoed crops to plowed crops. (It) Verona. Accad. Agr. Sci. Lett. Atti. Mem. (ser.6)15:25-29. 1963/65, pub.1965. 16 V59
Equipment.

- 48585 RID, H. Field experiments with mechanical pruning and thinning machines for sugar beets. (Ge) Landtechnik 21(5):128,130-132. Mar.1, 1966. 58.8 L235

- 48586 RID, H. Soil cultivation for tillage and mechanical care of grain and rape. (Ge) Landtechnik 19(19):734,736-737. Oct.1,1964. 58.8 L235

- 48587 RID, H. Tillage equipment with rotary instruments. (Ge) Landtechnik 19(19):723-726, 728-729. Oct. 1, 1964. 58.8 L235
- 48588 RID, H. When in March the farmer... (Ge) DLZ (Deut. Landtech. Z.) 17(2):62-65. Feb. 1966. 58.8 T677
Tillage equipment.
- 48589 SACK, H. Reflections on minimum tillage. (Ge) Landtechnik 21(3):71-72. Feb. 1, 1966. 58.8 L235
Includes equipment.
- 48590 SCHAARSCHUCH, H. Cost and consumption of plowshares. (Ge) Deut. Agrartech. 16(1):21-22. Jan. 1966. 58.8 D482
- 48591 SCHMID, H. Studies on cultivator teeth. (Ge) Deut. Agrartech. 16(1):15-16. Jan. 1966. 58.8 D482
- 48592 SLOBODENYUK, V. Activities at agricultural machinery plant imeni Oktyabr'skaya Revolyutsiya. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:11-13. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Manufacturing cultivators.
Translation from Rabochaya Gazeta, June 25, 1965:2.
- 48593 SOHNE, W., and MOLLER, R. Plowing with greater speed. (Ge) Landtechnik 19(19):711-712. Oct. 1, 1964. 58.8 L235
- 48594 STRANAK, A. Status of development of rotary cultivators. (Ge) Deut. Agrartech. 16(1):17-19. Ref. Jan. 1966. 58.8 D482
Czechoslovakia.
- 48595 TARASENKO, T. I., and ZENIN, L. S. Soil tillage by cutter type cultivators. (Rus) Zemledelie 1:75-80. Jan. 1966. 20 Z44
- 48596 TETSUKA, U., and ENDO, S. Studies on the oscillating subsoiler. 1. Trial manufacture of oscillating subsoiler for small tractors. 11 p. Transl. 15824
Translation from Society of Agricultural Machinery, Japan. Journal 24(1):21-24. June 1962.
- 48597 TETSUKA, U., and ENDO, S. Studies on the oscillating subsoiler. 2. Measurements of the load resistances of the oscillating subsoiler. 11 p. Transl. 15826
Translation from Society of Agricultural Machinery, Japan. Journal 24(2):49-52. Sept. 1962.
- 48598 ZODLER, H. Mechanical block thinning of sugar beets. (Ge) Landtechnik 21(5):132, 134. Mar. 1, 1966. 58.8 L235
- Fertilizing and Planting Equipment
- 48599 ANTONENKO, I. High-quality agricultural machines from Kirovograd. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:25-27. Nov. 16, 1964. (JPRS 27,376; TT 64-51632; CSO 1830-D) 173 J663Tsi
Chiefly construction of seeding and planting machines.
Translation from Pravda Ukrainy, May 27, 1964:3.
- 48600 ANTONENKO, I. YA. Improving sowing machines reliability and longevity. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:14-16. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Mashinostroenie 4:90-91. 1965.
- 48601 BOGDANOV, V. M., PUGACHEV, A. N., and CHERNIKOV, B. P. A set of machines for preparing and spreading mineral fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 263:1-8. Mar. 14, 1966. (JPRS 34,539; TT 66-30979; CSO 1830-S) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 6:49-53. 1965.
- 48602 BRINKMANN, W. Technique of sugar beet sowing. (Ge) Tech. Landwirt. 18(2):32-33. Feb. 1966. 58.8 T223
Equipment.
- 48603 BUDAGOV, A. A. Development of high-speed drills for row crops. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:65-71. Jan. 1966. 20 V633
English summary.
- 48604 BUYANOV, A. I. Results of the tests of machines for the application of mineral fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:1-10. June 8, 1965. (JPRS 30,488; TT 65-31199; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 4:17-19. Apr. 1965.
- 48605 CRISTALI, G., NISTOR, N., and POPESCU, T. A contribution to the study of mechanization of planting of vegetables. (Rum) Gradina, Via Livada 14(4):17-27. Apr. 1965. 80 G75
- 48606 DERNEDDE, W., and CLAUS, H. G. Performance requirement and spreading value of manure spreaders. (Ge) Landtechnik 21(4):87-88, 90, 92. Feb. 15, 1966. 58.8 L235
- 48607 DIEMEL, H. DLG certified equipment for manure and fertilizer spreaders. (Ge) Landmasch.-Markt 45(3):108, 110. Feb. 2, 1966. 58.8 L239
- 48608 DIEMEL, H. DLG-certified equipment for sowing and culture. (Ge) Landmasch.-Markt 45(4):168, 170. Feb. 16, 1966. 58.8 L239
Chiefly planting equipment.
- 48609 LEE, J. H. A., and KARKANIS, E. A. Effect of ground speed and type of fertilizer on metering accuracy. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):491-492, 496. 1965. 290.9 Am32T
- 48610 LEPPACK, E. Machine planting of potato. (Ge) Landmasch.-Rundschau 18(2):44, 46, 48. Feb. 1966. 58.8 L237
- 48611 OEHRING, J. Construction and spreading quality of fertilizers spreaders. (Ge) Landtechnik 21(4):92, 94, 96, 98. Feb. 15, 1966. 58.8 L235
- 48612 OEHRING, J. Technical strip disease. (Ge) DLZ (Deut. Landtech. Z.) 17(1):13-14. Jan. 1966. 58.8 T677
Improper use of grain fertilizer application equipment.
- 48613 PARKER, J. L. Precision planting how soon? West Crops 14(3):30-32. Mar. 1965. 281.8 F2225N
- 48614 PRIHODA, Z. Results of new Czechoslovakian research work on potato planting and cultivation. (Ge) Deut. Agrartech. 16(2):57-60. Feb. 1966. 58.8 D482
Equipment.
- 48615 RAZIKOVA, N. Seminar on machines and techniques for meadow and pasture clearing and sowing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:11-13. July 9, 1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi
Translation from Sel'skaya Zhizn', June 6, 1965:2.
- 48616 SHAKUROV, I. F. Results from study of planting equipment. (Rus) Tabak 4:33-36. 1965. 69.8 T112
Tobacco.
- 48617 SPECHT, A. Potato planting with machine. (Ge) Tech. Landwirt. 18(2):27-30. Feb. 1966. 58.8 T223
- 48618 STEINMETZ, H. The modern tractor mounted drill. (Ge) Landmasch.-Rundschau 18(2):40, 42. Feb. 1966. 58.8 L237
- 48619 TOMICA, R. Possibilities of the mechanization of techniques of the application of fertilizers. (Rus) Za Vysokou Urodu 13(12,sup.):5-7. Dec. 7, 1965. 64.8 Z12
Czechoslovakia.

- 48620 VARLAMOV, G. P. Test results of machines for introduction of organic fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:14-19. Sept. 23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:26-28. 1965.
- 48621 VOROB'EV, M., and SAZHIN, F. Mechanized fertilization of vegetables in greenhouses. (Rus) Tekh. Sel'skom Khoz. 2:8-11. Feb. 1966. 58.8 M11

Harvesting Equipment

- 48622 ADRIAN, P. A., FRIDLEY, R. B., and LOPEZ, C. Forced vibration of a tree limb. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):473-475. 1965. 290.9 Am32T
In mechanical harvesting of fruit and nuts.
- 48623 AKIMALIYEV, A., and SKRYNNIK, N. A method of mechanical harvesting of beet tops developed by the Kirgiz Experimental Breeding Station for Sugar Beets. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:16-18. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-N) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, May 12, 1965:4.
- 48624 BOOSTER, D. E., and BULLOCK, R. M. Mechanical harvesting of cane fruits. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):170-174. Ref. 1965. 290.9 Am32T
Blackberries and raspberries.
- 48625 BRYSON, C. P., and others. Harvest all you grow-increase profits: check picker performance. La. State Univ. Ext. Ext. Publ. 1435, 4 p. July 1965. 275.29 L93Ep
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With the assistance of National Cotton Council
- 48626 BRYSON, C. P., and others. Harvest all you grow-increase profits; repair, adjust and operate picker for high efficiency. La. State Univ. Ext. Ext. Publ. 1436, 8 p.-folder. July 1965. 275.29 L93Ep
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With the assistance of National Cotton Council.
- 48627 CH'ANG, P. C. M., and HUANG, J. S. Studies on mechanical plucking of tea bush. (Ch) Agr. Ass. China. J. (n.s.) 51:65-72. Sept. 1965. 22.5 Ag862
English summary.
- 48628 CHAYSHVILI, T. A., NASARIDZE, D. S., and MEL'NIKOV, L. A. The self propelled tea picking machine "Sakartvelo." U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:13-16. June 8, 1965. (JPRS 30,488; TT 65-31199; CSO 1830) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 4:38-39. Apr. 1965.
- 48629 CHIRKOV, V., and FILINSKII, V. The Belogor'ye harvester. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 147:13-17. Oct. 30, 1964. (JPRS 27,156; TT 64-51412; CSO 1830-D/PE) 173 J663Tsi
Translation from Trud, June 18, 1964:2.
- 48630 DOHNE, E. Straw bales flying through the air. (Ge) DLZ (Deut. Landtech. Z.) 17(1):10-12. Jan. 1966. 58.8 T677
- 48631 DZHORAYEV, D., and others. Faulty and lagging repair work on cotton picking machines in Sayat shops. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:8-11. Nov. 17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi
K. Khidyrova, A. Dzhorayev, A. Aliyev, Kh. Dzhumakuliyev, and M. Malkis, joint authors.
Repair-technical stations.
Translation from Turkmenskaya Iskra, Aug. 8, 1964:1.
- 48632 FELDMANN, F. The collector-baler. (Ge) Chem. Tech. Landwirt. 16(7):195-196, 198, 200. July 1965. 384 C4292
For hay and straw.
- 48633 FUKUJI, M. Primary need for progress of harvesting efficiency; several points in the future production of rice. 10 p. Transl. 15811
Chiefly on equipment.
Translation from Kikaika Nogyo Apr. 1965: 79-82.
- 48634 HEIR, J. A. The combine at work. (No) Norsk Landbruk 17:6-8. Aug. 27, 1965. 11 N8122
- 48635 HUNDTOLT, E. B. The self-propelled windrower. Cornell Univ. Ext. Cornell Misc. Bull. 67, 16 p. Oct. 1965. 275.29 N48Cm
- 48636 JACKSON, J. E. A warning device for header malfunctions. Power Farming Australia New Zeal. Better Farming Dig. 75(1):45. Jan. 1966. 58.8 P87
- 48637 JODLOWSKI, J. Dynamic of the cutter bar drive with elastic crankshaft. (Ge) Arch. Landtech. 5(1):33-49. Ref. 1965. 58.8 Ar22
English summary.
Mowing equipment.
- 48638 KACHIKOV, S., and SAKSONOV, S. Problems between the Nikolayev "Dormashina" plant and the plant imeni Petrovskiy. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:1-4. June 10, 1965. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Building combine parts.
Translation from Rabochaya Gazeta, May 12, 1965:2.
- 48639 KAMINSKI, T. L., and ZOERB, G. C. Automatic header-height control for grain crops. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):284-287. 1965. 290.9 Am32T
Harvesting.
- 48640 KETTNER, H., and HIRSCH, R. Considerations on the use of the picking wagon in strawberry harvesting. (Ge) Weihenstephan. Staatl. Lehr-Forschungsanst. Gartenbau. Jahresber. 1964/65: 113-117. 1965. 105.8 W425
- 48641 KLEMENT'YEV, K. V. Increase of durability and reliability of silage harvesters. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:9-15. Feb. 8, 1966. (JPRS 34-056; TT 66-30498; CSO 1830-N) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 12:23-25. Dec. 1965.
- 48642 KONOVALOV, L. The versatile self-propelled grain combine. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:2-4. Nov. 3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:29. Aug. 1965.
- 48643 KRASNYANSKII, L. Work improvement methods at the Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:8-11. Dec. 14, 1965. (JPRS 33,315; TT 65-33890; CSO 1830-D, PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 43:44. Oct. 1965.
- 48644 KRYUCHKOV, P. Problems in repair of harvesting equipment in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:12-14. Aug. 18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Kazakhstanskaya Pravda, July 14, 1965:2.
- 48645 LABELLE, R. L., MARKWARDT, E. D., and GUEST, R. W. Improving the processing quality of mechanically harvested apples. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):277-280. 1965. 290.9 Am32T
- 48646 LEEUWERKE, H. B. Experiences with the bale accumulator, type I.H.C. behind the pick-up baler. (Du) Landbouwmecanisaatie 17(2): 223-226. Feb. 1966. 58.8 L2352
English summary.

- 48647 LEONOV, I. P., and KUZNETSOV, G. YA. Mechanical topping of tobacco. (Rus) *Tabak* 4:29-32. 1965. 69.8 T112
- 48648 LUNAY, N. Production and financial problems at the Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:31-34. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-S) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 29:18. June 21, 1965.
- 48649 LUTAY, N. Taganrog combine builders strengthen the struggle for the quality and reliability of machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:22-25. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-N) 173 J663Tsi
Translation from *Nauchno-Technicheskie Obshchestva SSR* 4:7-9. Apr. 1965.
- 48650 MAINE, UNIVERSITY. COOPERATIVE EXTENSION SERV. Flail-harvested hay. Maine, Univ. Ext. Leaflet 3, 4 p. Mar. 1965. 275.29 M282
- 48651 MAKARUK, I. Single phase method of grain harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:2-5. Aug. 23, 1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J663Tsi
Includes equipment.
Translation from *Pravda Ukrainy*, July 6, 1965:2.
- 48652 MANYAKIN, V. F. Reliability bureau established at the Syzran' combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 260:1-3. Mar. 4, 1966. (JPRS 34,402; TT 66-30842; CSO 1830-N) 173 J663Tsi
Translation from *Mashinostroitel'* 12:3-4. Dec. 1965.
- 48653 MARTIROSOVA, V. P. Harvesting of vetch for seeds. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:131-136. 1965. 20 M857
Includes equipment.
- 48654 MATTEJAT, B. Driving conditions for mower cutter bars with fingers. (Ge) *Landtechnik* 21(3):58-59. Feb. 1, 1966. 58.8 L235
- 48655 MATTEJAT, B. Standard for knife head rear guide for mower cutter bars. (Ge) *Landtechnik* 21(5):145-146. Mar. 1, 1966. 58.8 L235
- 48656 MATTHEWS, E. J., and TUPPER, G. R. Coordinated development for new cotton production systems. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):568-571. 1965. 290.9 Am32T
Stripping in mechanized harvesting.
- 48657 NAKAGAWA, K. Studies on fundamental elements for design of tea-picking machine. II. The cutting resistance of tea-sprouts and the power requirement for cutting device of the tea-picker during cutting operation on a tea-plantation. (Ja) *Mie Univ. Fac. Agr. Bull.* 32:55-107. Ref. Sept. 1965. 107.6 T78
English summary.
- 48658 NEVES, A. A. The forage harvester and corn crop residues in production of compost or mulch. (Por) *Rev. Agr. [Piracicaba]* 40(4):173-182. Dec. 1965. 9.2 R324
English summary.
Costs of clearing and processing.
- 48659 NICULESKU, K. Harvesting of common reed in the Danube delta. (Rus) *Bumazhn. Promysh.* 9:25-26. Sept. 1965. 302.8 B88
Equipment.
- 48660 POLYAK, M., POLEVSKII, V., and SHEVCHENKO, V. Increasing wear resistance of disk cutters on beet harvesters. (Rus) *Tekh. Sel'skom Khoz.* 2:79-80. Feb. 1966. 58.8 M11
- 48661 SANT, G. F. VAN'T. A harvesting basket makes your work easier. (Du) *Groenten Fruit* 21(29):1335. Feb. 2, 1966. 80 G89
Cauliflower harvesting.
- 48662 SHEVCHENKO, S. Lack of "V-belts" keeps Russian combines idle. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:39-41. Nov. 16, 1964. (JPRS 27,376; TT 64-51632; CSO 1830-D) 173 J663Tsi
Translation from *Sovetskaya Rossiya*, July 22, 1964:3.
- 48663 SHEVELUKHA, V. Expenditure of spare parts. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:12-15. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from *Tekhnika v Sel'skom Khozyaistve* 9:66-67. Sept. 1965.
- 48664 SMITH, P. Machines for market tomatoes? -- West. Grower Shipper 37(2):13-14, 25. Feb. 1966. 280.38 W52
For harvesting.
- 48665 SHPOLYANSKII, D. M. Problems in mechanized cotton harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 212:10-16. July 6, 1965. (JPRS 30,950; TT 65-31449; CSO 1830-N) 173 J663Tsi
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 2:14-16. 1965.
- 48666 SIDORENKO, V. General purpose sweep rake. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:3-4. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
For grain harvesting.
Translation from *Tekhnika v Sel'skom Khozyaistve* 9:45-47. Sept. 1965.
- 48667 SUGGS, C. W., and SPLINTER, W. E. Mechanical properties of tobacco stalks. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):361-364. 1965. 290.9 Am32T
With reference to harvesting and handling mechanization.
- 48668 SZULE, ZS. A takarmanycirok betakaritasanak gepesitese [Mechanization of harvesting of feed sorghum]. Budapest. *Mezogazdasagi Gepkiserleti Intezet Kozlem. Mezogazdasagi Gepesitesi Tanulmanyok* 12(7), 21 p. 1965. 58.9 B85M
English summary.
- 48669 VAJAGIC, S., and VLAHOVIC, M. Technology of harvesting, preparation and processing of alfalfa on the modern industrial basis. (Se) *Stocarstvo* 19(5/6):194-211. Ref. May/June 1965. 43.8 St6
English summary.
Equipment.
- 48670 WANG, J. K. Mechanical coffee harvesting. A-B. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):400-405. Ref. 1965. 290.9 Am32T
- 48671 WHAT'S new in growing fruit trees: apple harvest mechanization—a critical analysis. Va. *Fruit* 54(2):110-117. Feb. 1966. 81 V81B
Panel discussion; moderator: H. A. Rollins; panel members: J. A. Barden, G. R. Williams, and F. R. Dreiling.
- 48672 WILHELMSON, R. Combine harvesting technique. (Sw) *Lantbrukstidskr.* Stockholm *Lan Stad* 15(3):6-8. 1965. 12 L29
Grain.
- 48673 WIREN, G. Is combine harvesting of timothy seeds possible? (Sw) *Svensk Frotidn.* 34(6):93-95. June 15, 1965. 61.8 Sv2
- 48674 YERKHOV, N. Departmental red tape forces Tula combine plant into losses. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 148:1-3. Oct. 30, 1964. (JPRS 27,164; TT 64-51420; CSO 1830-N/PE) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 33:17. Aug. 1964.

Land Clearing Equipment

- 48675 FAULKNER, M. D. Leveling rice land in water. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):517-519. 1965. 290.9 Am32T

- 48676 MATERI, M. Machines for surface arrangement of the terrain. (It) Trattorista 12(2/3): 19-35. Feb.15,1966. 58.8 T69
Land clearing equipment.

Processing Equipment Used on the Farm

- 48677 BAKKER-ARKEMA, F. W., and HALL, C. W. Static versus dynamic moisture equilibria in the drying of biological products. J. Agr. Eng. Res. 10(4):308-311. Ref. Dec.1965. 58.8 J82
Forage.
- 48678 BELOV, I., and BOYEV, V. Breakdown in materials supply to the Voronezhskel' mash plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:14-17. July 9,1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi
Grain cleaning machines supplier.
Translation from Trud, June 4,1965:2.
- 48679 BILANSKI, W. K., and LAL, R. Behavior of threshed materials in a vertical wind tunnel. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):411-413,416. 1965. 290.9 Am32T
In grain cleaning.
- 48680 BOYCE, D. S. Grain moisture and temperature changes with position and time during through drying. J. Agr. Eng. Res. 10(4):333-341. Ref. Dec.1965. 58.8 J82
- 48681 FLUCKTIGER, E. Requirements posed by refrigeration installations with reference to refrigeration of milk at the place of production. (Fr) Schweiz. Milchzeitung 92(9):65. Feb.1, 1966. 44.8 Sch92
- 48682 FUCHS, P. Only sheltering experiments—not conservation. (Ge) Landtechnik 21(3):71. Feb.1,1966. 58.8 L235
Hay briquetting.
- 48683 GALAMBOS, J. Drying of agricultural products. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(1):27-33. Jan.1966. 58.8 J29
English summary on p.4 of content.
Equipment.
- 48684 HELLOWIG, R. E. Effect of physical form on drying rate of Coastal bermudagrass. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):253-255. 1965. 290.9 Am32T
Studied to reduce loss in hay quality.
- 48685 HILL, M. J., and CROSBIE, C. J. Bulk handling of cereal and seed crops can effect quality. New Zeal. J. Agr. 112(1):48-49,51,53. Jan.1966. 23 N48J
- 48686 HOSOKAWA, A., and NOMURA, T. Studies on hay dryers with heated air. II. On the performances of a large hay dryer and a hay tripod with heated air. (Ja) Soc. Agr. Mach. Jap. J. 27(1):33-38,32. June 1965. 58.9 Sol
English summary.
- 48687 ISHIBASHI, S., and YOSHIZAKI, S. Performance of hammer bar type feed mill. I. Particle distribution curve of grains in batch. (Ja) Soc. Agr. Mach. Jap. J. 27(1):39-41. June 1965. 58.9 Sol
English summary.
- 48688 JONES, M. P., and BAILEY, P. H. A survey of continuous grain driers in practice. J. Agr. Eng. Res. 10(4):301-307. Dec.1965. 58.8 J82
- 48689 KASHAYAP, M. M., and PANDYA, A. C. A qualitative theoretical approach to the problem of winnowing. J. Agr. Eng. Res. 10(4):348-354. Dec.1965. 58.8 J82
- 48690 KOIZUMI, T. Material on large-scale grain drying and storage facilities. IV. (Ja) Soc. Agr. Mach. Jap. J. 26(4):259-264. Mar.1965. 58.9 Sol
- 48691 KROMBOLZ, K. Determination of sinking speed by falling time measurement of cereal straw chaff particles. (Ge) Arch. Landtech. 5(1):51-65. 1965. 58.8 Ar22
English summary.
- 48692 LARSSON, R. Hay harvesting with mow drying, 1965. (Sw) Kalmar Lans Hushallningssallsk. Tidskr. 4:23-24. Aug.1965. 11 K123

- 48693 MIKECZ, I. Push-rod conveyor for cattle and pig stalls. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(2):65-68. Feb.1966. 58.8 J29
English summary, p.4 of contents.
For feed and manure handling.
- 48694 OTTO, F. K. Experiments in hay and silage preparation. (Ge) Landtechnik 21(3):75-76. Feb.1,1966. 58.8 L235
Equipment.
- 48695 SEGLER, H., LANZ, H., and SCHEUERMANN, A. Reducing the time of drying and improving the working technique at hay making by treating the stalks with pressure-and beater-type tools. (Ge) Landtech. Forsch. 15(6):184-191. Ref. Dec.1965. 58.8 L2332
English summary.
- 48696 SKARP, S. U. Losses in hay drying. (Sw) Svensk Valltidskr. 4(5):149-153. 1965. 60.8 Sv22
- 48697 STJERNDAHL, H. Operation scheme for ventilated floor dryer. (Sw) Alvsborgs Lans Norra Hushallningssallskaps. Tidskr. 72(2):11-12. 1965. 11 AL82
Grain drying.
- 48698 TRUSOV, YU. Completely mechanized installation for preparing poultry feed. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 152:9-14. Nov.19,1964. (JPRS 27,444; TT 64-51693; CSO 1830-D/PE) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:27-30. Sept.1964.
- 48699 VAMOSI, J. Preservation of the protein content of roughages by means of an up-to-date drying process. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):111-115. 1965. 105.9 Ir2
English summary.
- 48700 WAL, S. I. VAN DER. Problems in connection with delivery, storage and drying of combine harvested grain. (Du) Stichting Ned. Graan-Cent. Meded. 15:24-28. 1964. 59.9 St52M
Chiefly on equipment for grain drying and storage room for grain on the farm.
- 48701 WILHELMSON, R. Correct use of the ventilated floor dryer. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(3):10-12. 1965. 12 L29
Grain drying.
- 48702 WILLIAMSON, W. F. Pressure losses and drying rates in grain ventilated with various on-floor duct systems. J. Agr. Eng. Res. 10(4):271-276. Dec.1965. 58.8 J82
- 48703 WOODFORDE, J., and LAWTON, P. J. The drying of seeds. J. Agr. Eng. Res. 10(4):283-297. Ref. Dec.1965. 58.8 J82
Includes equipment.

Repair, Maintenance, and Construction Equipment

- 48704 BOWLER, D. G. Disposal of shed effluent—some ways and means. Massey Univ. Dairy-farming Annu. 1965:125-131. 44.9 M382
- 48705 DANNEMANN, H., and FISCHER, H. Mixed system of liquid manure collection tanks. (Ge) Deut. Agrartech. 16(1):40-42. Jan.1966. 58.8 D482
- 48706 DANNEMANN, H., and FISCHER, H. What points of view are there to be observed in the construction planning of liquid manure systems? (Ge) Deut. Landwirt. 16(12):489-494. Dec.1965. 18 D4822
- 48707 FISCHER, F. Residential repair shop. (Ge) Landtechnik 21(3):67-68,70. Feb.1,1966. 58.8 L235
- 48708 GUTZMER, G. Choice of suitable filler materials for welding. I. (Ge) Deut. Agrartech. 16(2):88-89,96. Feb.1966. 58.8 D482
- 48709 HAASE, H. This is how machines should be stored for winter. (Ge) DLZ (Deut. Landtech. Z.) 17(1):16,18. Jan.1966. 58.8 T677

- 48710 KOHLER, H. J. Liquid manure separation with suspension piping. (Ge) Landtech. Forsch. 15(6):201-204. Dec.1965. 58.8 L2332
- 48711 KOZLOV, A. Material stimuli suggested to encourage better production by tool makers in Belorussian tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:7-9. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Belorussiya, May 20, 1965:1.
- 48712 LEHMANN, R. Manure removal with the help of the scraper chain. (Ge) Deut. Landwirt. 16(12):497-499. Dec.1965. 18 D4822
- 48713 MENZEL, W. Experiments in the planning and construction of grated floor stalls with impounding canal manure removal for cattle. (Ge) Deut. Landwirt. 16(12):486-489. Dec. 1965. 18 D4822
- 48714 MULLER, L., and HEIN, H. O. Functions, operations and perspectives of maintenance equipment in agricultural production cooperatives. I. (Ge) Deut. Agrartech. 16(1):43-44. Jan.1966. 58.8 D482
- 48715 MULLER, L., and HEIN, H. O. Functions, operations and perspectives of maintenance equipment in agricultural production cooperatives. II. (Ge) Deut. Agrartech. 16(2):85-88. Feb. 1966. 58.8 D482
- 48716 MYKLEBUST, R. J., and DAVIS, E. H. Guidelines for sanitary handling of animal manure. Wash. State Univ. Ext. E. M. 2582, 4 p. Oct. 1965. 275.29 W27Mi
Cattle and poultry.
- 48717 REINHOLD, J., and HOLSCHER, H. Manure removal from swine stalls by gravity. (Ge) Deut. Landwirt. 16(12):494-497. Dec.1965. 18 D4822
Equipment.
- 48718 WINTER, R., and BOECK, E. Grease lubrication of farm machines and tractors. (Ge) Deut. Agrartech. 16(1):33-37. Jan.1966. 58.8 D482
Includes observations by B. Freitag.
- 48719 WITZEL, S. A., MCCOY, E., and LEHNER, R. Chemical and biological reactions from lagoons used for cattle. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):449-451. Ref. 1965. 290.9 Am321
- 48726 ISLER, D. A., and CARLTON, J. B. Effect of mechanical factors on atomization of oil-base aerial sprays. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):590-591,593. 1965. 290.9 Am321
- 48727 MAZZINI, C. For greater viability in orchards. (It) Agr. Ferrarese 68(12):244-248. Dec.31,1964. 16 Ag87
Spraying equipment.
- 48728 MENGES, R. M., and HUBBARD, J. L. An improved granular herbicide applicator for field experiments. Rio Grande Val. Hort. Soc. J. 19: 103-105. 1965. 81 L95
- 48729 MENTBERGER, J. Application of economic poisons with spraying equipment. (Cz) Lesnicka Prace 44(12):518-519. Dec.1965. 99.8 L56
- 48730 NORDBY, A., and HAMAN, J. The effect of the liquid cone form on spray distribution of hollow cone nozzles. J. Agr. Eng. Res. 10(4):322-327. Dec.1965. 58.8 J82
- 48731 PRICE, D. R., and GUNKEL, W. W. Measuring distribution patterns of granular applicators. Amer. Soc. Agr. Eng. Trans. ASAE 8(13):423-425. 1965. 290.9 Am321
For applying economic poisons to crops.
- 48732 ROTH, L. O., and PORTERFIELD, J. G. A photographic spray-sampling apparatus and technique. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):493-496. 1965. 290.9 Am321
Droplet size.
- 48733 RUI, D. Possibilities of using aircraft in plant protection. (It) Verona. Accad. Agr. Sci. Lett. Atti. Mem. (ser.6)15:3-10. 1963/64, pub.1965. 16 V59
Pest, disease, and weed control.
Includes discussion.
- 48734 SIEG, R. Technical aspect of pest control equipment. (Ge) Traktor Landmasch. 28(3): 139-142. (Cont.) Feb.1966. 58.8 T678Ag
Sprayers for economic poison application.
- 48735 TSUNEMATSU, S. Characteristics of spray nozzles. Hokkaido Univ. Fac. Agr. J. 54(2):1-21. Dec.1965. 107.6 J273J
- 48736 WANGERIN, A. Spraying damages can be avoided. (Ge) Tech. Landwirt. 18(2):38-40. Feb.1966. 58.8 T223

Vehicles

- Spraying and Dusting Equipment
- 48720 BARYSH, E. Shortages of spare parts for crop protection machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:5-6. June 9, 1965. (JPRS 30,511; TT 65-31216; CSO 1830-D) 173 J663Tsi
For sprayers and dusters.
Translation from Zashchita Rastenii ot Vreditelei i Boleznei 3:29-30. Mar.1965.
- 48721 BUTLER, B. J., and ACKLEY, J. W. Highway right-of-way maintenance spraying. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):384-392,395. 1965. 290.9 Am32T
Equipment.
- 48722 FABER, H. Apparatus to spread nematocide on larger areas. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:179-181. June 1965. 410.9 G31M
- 48723 GRUTTE, E. Plant protection under self-control. (Ge) Chem. Tech. Landwirt. 17(2):43-44. Feb.1966. 384 C4292
Equipment.
- 48724 HAMAN, J., and NORDBY, A. Influence of the eccentric nozzle orifice position on the spray pattern and droplet size. J. Agr. Eng. Res. 10(4):342-347. Dec.1965. 58.8 J82
- 48725 HAMRAN, MRS. J., and KACSO, A. How much does become effective? (Hu) Kerteszeti Szulesz. 15(2):20-21. Jan.1966. 80 K474
Spray losses during application.
- 48737 ALLES, K. Live with the shaft joint! (Ge) Landarbeit 17(2):13-14. Feb.1966. 18 L2355
On tractors.
- 48738 ANDRONOV, V. Production of agricultural machinery at Belorussian plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 261:6-13. Mar.8, 1966. (JPRS 34,450; TT 66-30890; CSO 1830-D/PE-222) 173 J663Tsi
Chiefly tractors.
Translation from Tekhnika v Sel'skom Khozyaistve 11:45-50. Nov.1965.
- 48739 AZARIN, V. Independent administration needed to construct Lipetsk Tractor Plant efficiently. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:8-9. Dec.29,1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Translation from Stroitel'naya Gazeta, Nov.24,1965:2.
- 48740 BANDO, Y. Economic advantage of autonomous financing in plant sections. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:1-6. Aug.2,1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi
Caterpillar part plant; costs.
Translation from Ekonomicheskaya Gazeta 23:42. June 1965.
- 48741 BEUTEL, K. D. Automatic trailer coupling neglected part of the motor vehicle. (Ge) Deut. Agrartech. 16(1):45. Jan.1966. 58.8 D482

- 48742 BOLTINSKII, V. N. Results of scientific research for increasing operating speed of machine-tractor aggregates to 9-15 km/h. (Ge) Arch. Landtech. 5(1):3-32. 1965. 58.8 Ar22 English summary. USSR.
- 48743 BOLTINSKII, V. N., POLYAK, A. YA., and SHCHUPAK, A. D. The results of studies of the possible acceleration of operational speeds of machine-and-tractor aggregates up to 9-15 km/hour. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:47-64. Jan.1966. 20 V633 English summary.
- 48744 BORHO, C. V. How to diagnose tractor condition. Forest Indus. 93(3):72-73. Mar.1966. 99.81 W52
- 48745 BORHO, C. V. Look for simple signs in tracing tractor defects. Can. Forest Indus. 86(3):57-58. Mar.1966. 99.81 C16
- 48746 CHAUS, V. M. In the technical council of the state committee for tractor and agricultural machine building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:17-19. June 8,1965. (JPRS 30,488; TT 65-31199; CSO 1830-S) 173 J663Tsi Policies. Translation from Traktory i Sel'khoz mashiny 4:back cover. Apr.1965.
- 48747 CHERKASOV, V. Production at the Khar'kov tractor plant suffers from poor delivery of parts by supplier plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 247:1-4. Dec.14,1965. (JPRS 33,310; TT 65-33885; CSO 1830-N) 173 J663Tsi Translation from Komsomol'skaya Pravda, Oct.28,1965:2.
- 48748 DEMIDOV, G. Improving repair of tractors and agricultural machines in Tashkent. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 219:11. Aug.2,1965. (JPRS 31,354; TT 65-31851; CSO 1830-D) 173 J663Tsi Translation from Pravda Vostoka, July 3, 1965:2.
- 48749 DOI, J., and YASUDA, Y. Dynamic characteristics of forces acting on a tractor, plow and three points linkage under operating condition. (Ja) Soc. Agr. Mach. Jap. J. 27(1):11-14. June 1965. 58.9 Sol English summary.
- 48750 DOI, J., and YASUDA, Y. Dynamics of three points link hitch. III-IV. (Ja) Soc. Agr. Mach. Jap. J. 26(4):218-230. Mar.1965. 58.9 Sol English summary.
- 48751 DUPUIS, H. Progress is what a man uses. (Ge) Landtechnik 21(3):73-74. Feb.1,1966. 58.8 L235 Tractor seats and tractor construction.
- 48752 DZUBENKO, I. Difficulties encountered in introduction of new tractors at kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:18-21. July 9,1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi Operation and handling of tractors. Translation from Sovetskaya Kirgiziya, June 2,1965:2.
- 48753 ELES, S. Preventive maintenance of tractors and trailers. (Hu) Magyar Mezogazdasag 21(3):10-11. Jan.19,1966. 19 M27
- 48754 FARRALL, A. W. Analysis of an inertial propulsion system. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):201-207. Nov.1965. 100 M58S Research; possible use as an auxiliary force for wheeled vehicles.
- 48755 FELDMANN, F. The development in tractor drives. (Ge) Chem. Tech. Landwirt. 16(10):307-308,310. Oct.1965. 384 C4292
- 48756 FISCHER, K. Tractor driving with understanding. (Ge) Chem. Tech. Landwirt. 17(2):37-38. (Concl.) Feb.1966. 384 C4292
- 48757 FRAYMAN, I. Progress in Soviet tractor-building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:1-3. Feb.14,1966. (JPRS 34,110; TT 66-30552; CSO 1830-S) 173 J663Tsi Translation from Sovetskaya Belorussia, Dec.31,1965:1.
- 48758 GALIPAULT, J. B. Agricultural flight safety: the procedure turn-around. Agr. Aviation 8(1):14-18. 1966. 333.8 Ag8
- 48759 GOERING, C. E., and BOCKHOP, C. W. Determining field surfaces in relation to tractor dynamics. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):550-552. 1965. 290.9 Am321
- 48760 GOLUBEV, G. A. Refining of diesel oil by pouring out the sediment from oil tanks. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:535-541. 1965. 20 M857 Tractors.
- 48761 HEGEDUS, E. Pressure distribution under rigid wheels. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):305-308,311. Ref. 1965. 290.9 Am32T
- 48762 JENISCH, K. H. Emission of exhaust gasses by diesel engines. (Ge) Deut. Agrartech. 16(1):30-32. Jan.1966. 58.8 D482 On tractors.
- 48763 KIREYEV, N. F. Production increase at the Minsk tractor plant through labor normalization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:13-14. Aug.23,1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J773Tsi Translation from Trud, July 21,1965:2.
- 48764 KLOCHKOV, YU. Movement of tractor caterpillar on snow. (Rus) Tekh. Sel'skom Khoz. 2:80-81. Feb.1966. 58.8 M11
- 48765 KNELLER, YU. V. Comparative tests of wheeled and caterpillar tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:17-23. Sept.16,1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi Translation from Mashinostroenie 4:92-94. 1965.
- 48766 KOZLOV, V., and TSUPAK, A. Starting tractor and truck engines by electric starter connected to the stationary sources. (Rus) Tekh. Sel'skom Khoz. 2:52-55. Feb.1966. 58.8 M11
- 48767 KUCERA, H. L., and JAMISON, W. Tractor-tire ballast compared. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):594-595,597. 1965. 290.9 Am321
- 48768 KUETHER, D. O., and REED, I. F. Effect of track shoe design on traction. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):244-245,248. 1965. 290.9 Am32T For tractors.
- 48769 LELICHEV, A. Production methods improved at Gomel' starter plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:4-7. Nov.17,1964. (JPRS 27,395; TT 64-51651; CSO 1830-S PE) 173 J663Tsi Tractor construction. Translation from Sovetskaya Belorussia, Sept.9,1964:2.
- 48770 LONG, M. E. Keep hydraulic system working. Hoard's Dairyman 111(5):274. Mar.10,1966. 44.8 H65 In tractors.
- 48771 LOON, H. L. VAN. Use of pallets for transport. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:140-142. 1965. 86 B65 In nurseries.
- 48772 LUSHNIKOV, F. N. Classification of domestic tractors for industrial application. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:1-8. Feb.8,1966. (JPRS 34,056; TT 66-30498; CSO 1830-N) 173 J663Tsi Translation from Traktory i Sel'khoz mashiny 12:1-3. Dec.1965.

- 48773 MANEVICH, D., and GUBENKOV, N. Accounting at the Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 249:1-4. Dec.16,1965. (JPRS 33,366; TT 65-33941; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 46:13. Nov.1965.
- 48774 MASUDA, S., and TAKEUCHI, R. Studies on the application of liquified petroleum gas for farm tractor drive. III. Shifting performance of LP gas to gasoline. (Ja) Soc. Agr. Mach. Jap. J. 27(1):6-10. June 1965. 58.9 Sol
English summary.
- 48775 MASUDA, S., and TANAKA, T. Tractive performances of wheel-type tractor. VII-VIII. (Ja) Soc. Agr. Mach. Jap. J. 26(4):241-248, 235. Ref. Mar.1965. 58.9 Sol
English summary.
- 48776 MERTZNICH, P. Quick action coupling on tractor. (Ge) DLA (Deut. Landtech. Z.) 17(2): 70,72,74. Feb.1966. 58.8 T677
- 48777 MORGAN, K. E. Unorthodoxy in tractor design. New Sci. 28(472):668-671. Dec.2,1965. 472 N42
- 48778 OEHRING, J. About equipment coupling. (Ge) Landmasch.-Markt 45(4):162-163. Feb.16, 1966. 58.8 L239
- 48779 OLIZARENKO, I., and others. Production difficulties at the Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 214:9-11. July 12,1965. (JPRS 31,026; TT 65-31524; CSO 1830-S) 173 J663Tsi
L. Sirot, M. Polyakov, G. Maze, and Yu. Rutenberg, joint authors.
Translation from Sel'skaya Zhizn', June 2, 1965:2.
- 48780 PALFALVI, I. The stability of saddle-tractors when braking. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(2):73-76. Feb.1966. 58.8 J29
English summary on p.4 of content.
- 48781 PAVLOV, V. New tractor designs at Chelyabinsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:11-14. June 9,1965. (JPRS 30,511; TT 65-31216; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 13:19. Mar.31,1965.
- 48782 PEDERSEN, H. Self unloading wagons. (Da) Dyrker-Nyt 30:471-473. Nov.1965. 66.8 D99
- 48783 PELLIZZI, G. Agricultural transportation on the Lombard farm. (It) Genio Rurale 28(10): 791-803. Ref. Oct.1965. 281.8 R522
Considerations on the material to be transported, roads, and equipment.
- 48784 PISAREV, YU., and PRAZDNICHNYKH, A. The great importance of small items experience in modernization of transportation and storage facilities. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:32-35. Feb.14,1966. (JPRS 34,110; TT 66-30552; CSO 1830-N) 173 J663Tsi
Costs of transportation.
Translation from Ekonomicheskaya Gazeta 1: 21. Jan.1966.
- 48785 POCHTAREV, N. F. The 17th all-union conference of tractor manufacturers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:38-40. Feb.8,1966. (JPRS 34,056; TT 66-30498; CSO 1830-N) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 12:48-49. Dec.1965.
- 48786 POLUNIN, N. Truck modifications for hauling fertilizer. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 208:9-10. June 11,1965. (JPRS 30,569; TT 65-31245; CSO 1830-S) 173 J663Tsi
Translation from Sel'skii Mekhanizator 4:20. Apr.1965.
- 48787 POPOV, N. Need for improvement of tractor-mounted farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:12-17. Nov.17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S; PE) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 8:56-58. Aug.1964.
- 48788 ROSEN, FREIHERR VON. How expensive is to operate the large tractor? (Ge) Landmasch.-Rundschau 18(2):35-38. Feb.1966. 58.8 L237
- 48789 RUHM, E. Modern sugar beet culture; tractor track damage and advantages. (Ge) Übersicht 17(2):126-128,130-133. Feb.12,1966. 18 Ub3
- 48790 SELIVANOV, I. On the development of high-speed tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:6-9. June 14,1965. (JPRS 30, 601; TT 65-31260; CSO 1830-S) 173 J663Tsi
Translation from Trud, April 25,1965:2.
- 48791 SEMENOV, V. On engine heat regime. (Rus) Tekh. Sel'skom Khoz. 2:55-58. Feb.1966. 58.8 M11
Tractors.
- 48792 SEMENOV, V. The Volga giant of tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 235:11-15. Oct.28,1965. (JPRS 32,608; TT 65-33087; CSO 1830-D) 173 J663Tsi
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 8:21-23. Aug.1965.
- 48793 SERGEEV, E. Comfort for the tractor operator. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:24-29. Mar.11,1966. (JPRS 34,510; TT 66-30950; CSO 1830-S) 173 J663Tsi
Translation from Okhrana Truda i Sotsial'noe Stakhovanie 10:24-26. Oct.1965.
- 48794 SKVORTSOV, N. N. Developing specialization in Ukrainian plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:35. Nov.16,1964. (JPRS 27,376; TT 64-51632; CSO 1830-D) 173 J663Tsi
Tractors and vehicles designs.
Translation from Vestnik Mashinostroenia 9:68-71. Sept.1964.
- 48795 SLYATKES, M. The use of polymers in tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 223:1-6. Aug.10,1965. (JPRS 31,497; TT 65-31993; CSO 11565-D) 173 J663Tsi
Translation from Polimery v Traktorstroenii, 1964:3-10.
- 48796 STEPHANSON, B. T., and STRAIT, J. Influence of gasoline and propane fuels on spark-ignition engine wear rates during low-temperature operation. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):441-442,444. Ref. 1965. 290.9 Am321
Tractors.
- 48797 TIMOSHENKO, YA. Activities of the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 249:9-10. Dec.16,1965. (JPRS 33,366; TT 65-33941; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Belorussiya, Nov.21,1965:1.
- 48798 TOLLE, W. "Oil bath" for tractor. (Ge) Tech. Landwirt. 18(2):48-49. Feb.1966. 58.8 T223
- 48799 TSUCHIYA, M., and HONAMI, N. Studies on the lugs of garden tractor wheel. II. The reaction forces to lugs and the rolling resistance of garden tractor wheel with spade lugs. (Ja) Soc. Agr. Mach. Jap. J. 26(4):236-240. Mar. 1965. 58.9 Sol
English summary.
- 48800 VOLLAERS, J. A. Motorization and mechanization 1950-1960-1965. (Du) Landbouwmecanisatie 17(2):213-216. Feb.1966. 58.8 L2352
English summary.

- 48801 WEBER, J. A. Statistical investigation of ignition contact life. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):586-589. 1965. 290.9 Am321
On tractors.
- 48802 WEHSELY, K. The importance of "terra-mechanic" to tractor construction and use of agricultural vehicles. (Ge) Deut. Agrartech. 16(1):28-30. Jan.1966. 58.8 D482
- 48803 WEHSELY, K. Status and development of international tractor production. (Ge) Deut. Agrartech. 16(1):26-28. Jan.1966. 58.8 D482
- 48804 ZHUKAS, A. Lithuanian plants make spare parts for tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:14-16. June 14,1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Translation from Sovetskaya Litva, Apr.24, 1965:2.
- 48805 ŽIMMERMAN, M., and GATES, C. Matching the right attachment to the compact. Impl. Tractor 81(4,i.e.5):44,46-47. Feb.21,1966. 58.8 W41
Garden tractors.
- 48806 ZLOBIN, V. Kiev tractor plant increases spare parts output. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:21-24. June 14,1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Translation from Rabochaya Gazeta, Apr.8, 1965:2.

FARM STRUCTURES AND RURAL HOUSING

- 48807 BERGMANN, S. Reorganization of construction in agriculture. (Ge) Deut. Agrartech. 16(2):81-83. Feb.1966. 58.8 D482
- 48808 BERLIN POLTAVA, M. The economics of rural construction. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92:16-26. Aug.25,1965. (JPRS 31,601; TT 65-32192; CSO 1840-S) 173 J663Tso
Translation from Voprosy Ekonomiki 6:14-22. June 1965.
- 48809 CHARITY, L. F., and ALTMAN, L. B. Design of electrically heated concrete slabs. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):409-410.416. 1965. 290.9 Am32T
In flooring of farm buildings.
- 48810 COLUMBO, V. Organization on farms. (It) Genio Rurale 28(11):933-952. Nov.1965. 281.8 R522
Building construction and remodeling.
- 48811 CURTIS, J. O., DALE, A. C., and SUDDARTH, S. K. Stresses in an adhesive between members subjected to bending. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):497-501. 1965. 290.9 Am32T
In farm building construction.
- 48812 GREBIN, M. Building investment planning and further development of village construction. (Ge) Deut. Landwirt. 17(2):74-76. Feb.1966. 18 D4822
- 48813 HANSEN, F. Rural building in naturally disadvantaged areas. (Ge) Schleswig-Holstein 17(7):186-188. July 1965. 110 Sch3
- 48814 JORDAN, K. A., and BARWICK, A. J. Periodic analog for ventilation design. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):223-225,229. Ref. 1965. 290.9 Am32T
Farm buildings.
- 48815 KRISHNAN, P. V. Spacing of buildings for natural ventilation. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):208-209,215. Ref. 1965. 290.9 Am32T
- 48816 KULKE, E. Productive and simplified farm management through remodeling of old farm buildings. (Ge) In Kaufmann, W., ed. Leistungsfähige und vereinfachte Innenwirtschaft, p.30-61. 1964. 281.175 K16
Includes designs.

- 48817 MIFTAKHOV, KH. M. Some problems in development of intercollective farm construction. (Rus) Khlopkovodstvo 1:4-8. Jan.1966. 72.8 K522
- 48818 RODGER-BROWN, J., and WILSON, J. R. Rigid frame construction. Farmbuildings 7:58-59,63. Summer 1965. 296.8 F224
Buildings in Great Britain.
- 48819 RUITERKAMP, J. W. Our farm buildings. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:22-25. 1965. 12 N3833J
Designs.
- 48820 VONTOBEL, J. Agricultural building from the viewpoint of the farm manager. (Ge) Grune 93 (23):812-819. June 4,1965. 17 Sch9
Costs and labor efficiency included.
- 48821 WILLSON, G. B. Clear-span shed roofs without trusses (stressed-skin construction). Amer. Soc. Agr. Eng. Trans. ASAE 8(3):455-456. 1965. 290.9 Am32T

Animal Shelters and Animal Service Buildings

- 48822 ALLES, K. Non-skid stall floors. (Ge) Landarbeit 16(7):62-63. July 1965. i8 L2355
In dairy barns.
- 48823 AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS. Dust and air filtration in animal shelters (a symposium). Amer. Soc. Agr. Eng. Trans. ASAE 8(3):338-353,357. 1965. 290.9 Am32T
Summaries of papers by W. Grub. C. A. Rollo. J. R. Howes, J. C. Notestine, D. L. Pfost, K. T. Whitby, D. A. Lundgren, R. F. Logsdon, S. A. Littmann, and W. L. Röller, at the annual meeting in Fort Collins, Colorado, June 1964.
- 48824 ANEMA, P. The group stall and milking. (Du) CMC (Coop. Melkcent.) 21(5):82. June 5,1965. 44.8 C11
Design.
- 48825 BATES, D. W. Ventilate your cold free stalls. Hoard's Dairyman 111(5):275. Mar.10,1966. 44.8 H65
- 48826 BECKETT, F. E. Effective temperature for evaluating or designing hog environments. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):163-166. Ref. 1965. 290.9 Am32T
- 48827 BELL, E. S., and others. Temperature-controlled swine housing: weaning to market. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):545-547,557. 1965. 290.9 Am32T
M. Marshall, J. M. Stanley, H. R. Thomas, and R. F. Kelly, joint authors.
- 48828 BLANKEN, G. Adjusting length of stand to the size of animal. (Ge) Tierzuchter 18(3):77-79. Feb.5,1966. 49 T445
Cattle.
- 48829 BRATLIE, O. Barn management; an evaluation of barn types with references to sanitation. (No) Norsk Landbruk 17:14-15,24,28. Aug.27, 1965. 11 N8122
- 48830 BULDINI, F. New plant and modern equipment applied in efficient barns. (It) Genio Rurale 28(12):1065-1073. Dec.1965. 281.8 R522
For dairy cattle.
- 48831 BULDINI, F. Research on improving the intensive poultry house. (It) Avicoltura 34(11):81-89. Nov.1965. 47.8 R523
French summary, p.70.
Housing design and equipment.
- 48832 BUTINA, N. Problems of the location and environment of housing structures for raising poultry for meat and selection of the best methods of the care of chicks raised in cooperatives. (Se) Poljoprivredni Pregl. 14(3/4):127-130. Mar./Apr.1965. 21.5 P753
- 48833 CARDINALI, M. Warming the poultry house with hot air. (It) Avicoltura 34(11):107-112. Nov.1965. 47.8 R523
French summary. p.71.

- 48834 CATTABRIGA, D. Ventilation in the poultry house. (It) *Avicoltura* 34(11):93-97. Nov.1965. 47.8 R523
- 48835 CROFTER, J. Dairy cow housing. *Farmbuildings* 7:53,55,57. Summer 1965. 296.8 F224 Great Britain.
- 48836 EICHHORN, H. New functional forms in cattle housing. (Ge) *Bayer. Landwirt. Jahrbuch* 42 (spec.no.2):97-116. 1965. 18 L24
- 48837 ENDZIN, A. K., and ANDREEV, K. P. On the construction of sanitary units for animals on farms. (Rus) *Veterinariya* 1:82-87. Jan. 1966. 41.8 V6426
- 48838 GERBER, H. Bull fattening and box stall. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(10):383,388,390, 392. Mar.10,1933. 18 N39
Housing, and self-feeders.
- 48839 GIVENS, R. L. Height of artificial shades for cattle in the Southeast. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):312-313. 1965. 290.9 Am32T
- 48840 GRATZ, W. Reconstruction and construction of swine fattening stalls. (Ge) *Landliche Bauberatung* 3,4 p. In *Deut. Landwirt.* 16(12). Dec. 1965. 18 D4822
Designs.
- 48841 GROUT, A. R. Many dairymen prefer stall barns. *Hoard's Dairymen* 111(5):271,278. Mar.10,1966. 44.8 H65
- 48842 HUTSCHENREUTHER, G., and GESKE, K. Swine fattening installation as compact construction. (Ge) *Tierzucht* 20(1):24-26. Jan. 1966. 49 T443
- 48843 JUNGE, H. R. Piggens. (Da) *Landbonyt* 19 (10):369-373. Oct.1965. 11 L2322
- 48844 KAISER, R. Forms of keeping dairy cattle on the large socialist farm. (Ge) *Deut. Akad. Landwirtschaftswiss. Tagungsber.* 70:85-91. 1965. 18 D4825T
English summary.
Housing.
- 48845 KLEIN-HESSLING, P. Measures for reducing animal injuries in lattice grate stabling. II. (Ge) *Tierzuchter* 18(5):151-152,154. Mar.5, 1966. 49 T445
Includes various materials for bedding of cattle.
- 48846 KLINK, G. The remodeling and building up of old buildings for farrowing stalls. I-II. (Ge) *Landliche Bauberatung* 4,2 p; 5,6 p. In *Deut. Landwirt.* 17(1). Jan.1966. 18 D4822
Includes designs.
- 48847 KLOSTERMAN, E. W., JOHNSON, L. J., and ROLLER, W. L. Fattening cattle on steel slotted floors. *Ohio. Agr. Res. Develop. Center. Res. Sum.* 7:19-21. Jan.1966. 100 Oh3Rs
- 48848 KOMAROV, N. M., and SEMENYUTA, A. T. Natural lighting in animal buildings. (Rus) *Veterinariya* 1:87-90. Jan.1966. 41.8 V6426
- 48849 KUMMER, S. Piglet rearing with electric heat. (Ge) *Tech. Landwirt.* 18(2):40,42,44-45. Feb. 1966. 58.8 T223
Electric mat.
- 48850 MARSHALL, B. Building with a purpose. 7. The Power Farming twin herd layout for 136 cows. *Power Farming* 36(3):47-52. Mar.1966. 58.8 P872
- 48851 MUEHLING, A. J., and FRYMAN, L. R. Free-stall housing for dairy cattle. *Ill. Univ. Ext. Circ.* 919,8 p. Oct.1965. 275.29 IL62C
- 48852 NEUBAUER, L. W., and CRAMER, R. D. Shading devices to limit solar heat gain but increase cold sky radiation. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):470-473,475. 1965. 290.9 Am32T
For livestock.
- 48853 OTTO, F. K. Sow rearing in single stalls. (Ge) *Tierzuchter* 18(5):149-151. Mar.5,1966. 49 T445
England.
- 48854 PICKHAVER, G. S. Good bull yards are an asset. *S. Australia J. Agr.* 69(6):186-193. Jan. 1966. 23 So84
- 48855 SHUTZE, J. V. Lighting programs for poultry. *Agway Coop.* 1(10):5-7. July 1965. 280.28 Ag9 Housing.
- 48856 STORY, A. G., and CLAYTON, J. T. Shear and flexural characteristics of reinforced concrete face-expanded polystyrene core structural panels. *Amer. Soc. Agr. Eng. Trans. ASAE* 8 (4):565-567,571. 1965. 290.9 Am32T
For livestock housing and storage structures.
- 48857 TOL, J. C. Air inlets and air ducts for the ventilation of livestock buildings. (Du) *Landbouwmecanisatie* 17(2):161-169. Feb.1966. 58.8 L2352
English summary.
- 48858 VOGT, F. Piggery cost and design analysed. 1. *Farmbuildings* 7:42-45,47-49,51. Summer 1965. 296.8 F224
Great Britain.

Farmhouses and Farmsteads

- 48859 KAKABELAKES, D. The problem of labor housing. (Gre) *Athens. Emporikon Biomechanikon Epimeleterion. Delt.* 40(12):24-26. Dec.1965. 286.9 At4
Includes farming labor.
- 48860 POE, A. D. About houses; a reading list of books about house design and construction. *Wash. State Univ. Ext. E. M.* 2483,rev.,3 p. Jan.1966. 275.29 W27Mi
- 48861 U. S. AGRICULTURAL RESEARCH SERV. 3-bedroom farmhouse, slab on grade; cooperative farm building plan No. 7167. U. S. D. A. *Misc. Publ.* 1011,2 1. Feb.1966. 1 Ag84M
- 48862 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Home owner's think sheet. *Wash. State Univ. Ext. E. M.* 2588,2 p. Oct.1965. 275.29 W27Mi

Greenhouses and Plant Service Buildings

- 48863 FOMICHEV, V., and BYKOV, V. Control of microclimate in greenhouses with air heating. (Rus) *Tekh. Sel'skom Khoz.* 2:12-15. Feb. 1966. 58.8 M11
- 48864 GYOR, J. Cost changes in greenhouse construction. (Hu) *Kerteszet Szolesz.* 15(2):8-9. Jan.1966. 80 K474
- 48865 HEYSSLER, E. Technical bases of tower greenhouses. (Ge) *Bodenkultur* 16(3):203-215. Sept.1965. 19 B635
English summary.
Construction in Austria.
- 48866 HOLZAPFEL, G. Tower glasshouses, a sensational feature in horticulture. (Hu) *Buvar* 10(3):133-136. May/June 1965. 410 B98
- 48867 KOSTELJIK, S., and WITHAGEN, C. P. Oil or natural gas? (Du) *Groenten Fruit* 21(29):1316-1317. Feb.2,1966. 80 G89
A comparison of cost for greenhouse heating.
- 48868 KRETOV, I. Equipment for welding of plastics. (Rus) *Tekh. Sel'skom Khoz.* 2:87-88. Feb. 1966. 58.8 M11
Used in greenhouses.
- 48869 LAWRENCE, W. J. C. The future of the glasshouse industry. *Sci. Hort.* 18:102-113. 1964/65. 84 H78
Greenhouses, their management and types; includes greenhouse culture.
- 48870 MANESCU, B., LUNCA, L., and DONEAUD, A. Study of meteorological conditions of block greenhouses. (Rum) *Gradina, Via Livada* 14 (6):14-21. Ref. July 1965. 80 G75
English summary, p.2 following p.93.
Temperature, heating and humidity.
- 48871 MAYER, W. Practical experiences with the tower glasshouse. (Ge) *Bodenkultur* 16(3):290-293. Sept.1965. 19 B635
Austria.
- 48872 MORRIS, L. G. Glasshouse heating and ventilation in relation to wind and shelter. *Sci. Hort.* 18:47-52. 1964/65. 84 H78

- 48873 PRISHCHEP, L. G., BUSURIN, M. YA., and PROKOPENKO, YU. YA. Racks with electric heating for the rooting of fruit cuttings. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:529-533. 1965. 20 M857 Nurseries.
- 48874 WALKER, J. N. Predicting temperatures in ventilated greenhouses. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):445-448. Ref. 1965. 290.9 Am32T

Materials and Methods

- 48875 U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Building with adobe and stabilized-earth blocks. U. S. D. A. Leaflet 535,8 p., map. Dec. 1965. 1 Ag84L

Storage Structures

- 48876 BERKE, E. M. Discussion of the article: "Container for silage potatoes or feed potato store?—efficiency calculation of a pig feeder." (Ge) Deut. Agrartech. 16(2):83-85. Feb. 1966. 58.8 D482
In reference to article by E. Mothes; includes his reply.
- 48877 CHARLTON, S., HORVATH, M., and HOWARD, M. Moist grain storage surveyed. Farmbuildings 7:28-29, 31, 33-35, 51. Summer 1965. 296.8 F224
Tower silos in Great Britain.
- 48878 DOSTAL, C. Ventilation of hay in the barn. (Fr) Bull. Engrais 481:147-150. June/July 1965. 57.8 B87
- 48879 FUCHS, P. One or two gastight high silos? (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):346-350. Mar. 3, 1966. 18 N39
- 48880 GARAMBOIS, X. Ventilation of pressed hay in average density; some thoughts after the harvest of 1964. (Fr) Agriculture [Paris] 28(278): 159-164. May 1965. 14 Ag823
- 48881 KALUGINA, YU. P. Effective use of natural low temperatures during potato storage. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:439-443. 1965. 20 M857
In relation to ventilation.
- 48882 MEIERING, A. G., and BAKKER-ARKEMA, F. W. Short time sealed storage of wet grains. (Ge) Landtech. Forsch. 15(6):192-200. Dec. 1965. 58.8 L2332
English summary.
Containers.
- 48883 MESSER, H. J. M., and others. The use of concrete staved silos for storing high-moisture barley. I-III. Great Brit. Exp. Farm Buildings Rep. 4, 25 p. Nov. 1965. 296.29 G7932
J. M. Hill, R. Whittenbury, and J. Lacey, joint authors.
- 48884 NELSON, G. L., and others. Analysis of static pressures for cross-flow air circulation in cylindrical grain bins. Okla. Agr. Exp. Sta. Bull. B-645, 15 p. Mar. 1966. 100 OK4
D. L. Day, G. B. Welch, and H. Hamilton, joint authors.
- 48885 OSBORNE, L. E. Dried and stored in the bin. Power Farming 36(3):40-41. Mar. 1966. 58.8 P872
Grain.
- 48886 PAZZI, J. J. O. Trench and bunker silos, horizontal storage of silage. Repub. S. Afr. Dep. Agr. Tech. Serv. Bull. 380, 54 p. 1965. 24 So84P
- 48887 PIECHOWIAK, K., and BYLINSKI, E. Pneumatic tent store—a new trend in storing potatoes. (Ge) Deut. Agrartech. 16(2):67. Feb. 1966. 58.8 D482
Poland.
- 48888 RODIN, M. N. Storage of cabbage in permanent pile platforms with automatic maintaining of temperature. (Rus) Moskov. Ord. Lenina. Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:407-414. 1965. 20 M857

- 48889 SCHMIDT, G. Temperature and air conditions in large ventilated potato pits. (Ge) Deut. Agrartech. 16(2):65-67. Feb. 1966. 58.8 D482
- 48890 SHIROKOV, E. P. Computation of heat balance of piles. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:421-425. 1965. 20 M857
Cabbage storage.

Walls and Fences

- 48891 HARTLEY, J. H. Don't skimp on fenceline feedlots. Doane's Agr. Rep. 28(26):22-25. Sept. 1965. 281.8 D652

FARM UTILITIES

Electricity and Electrification

- 48892 CARPENTER, T. G., CHARITY, L. F., and ALTMAN, L. B. Farmstead wiring for large and scattered loads. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):157-160. Ref. 1965. 290.9 Am32T
- 48893 CHAUMIER, P. Rural electrification. (Fr) Rev. Franc. Agr. 10:14-24. Autumn 1965. 281.8 R328
Includes use of electricity on farm.
- 48894 CHERNYAYEV, M. Problems of agricultural electrification in Gudauskiy rayon, GSSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 90:1-3. Aug. 12, 1965. (JPRS 31,532; TT 65-32028; CSO 1840-D) 173 J663Tso
Translation from Zarya Vostoka, July 9, 1965: 2.
- 48895 KOMAROV, D. T. An improvement in the dependability of electric power. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 212:19-25. July 6, 1965. (JPRS 30,950; TT 65-31449; CSO 1830-N) 173 J663Tsi
Includes electrification of farms.
Translation from Mekhanizatsiya Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:29-30. 1965.
- 48896 NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION. Proceedings, 24th annual meeting at Las Vegas, Nevada, Feb. 13-17, 1966. Rural Elec. 24(6):35-81, 84, 86, 88, 90, 92. Mar. 1966. 335.8 N21
- 48897 RODGERS, T. Rural electric system fights for survival in southern California. Rural Elec. 23(11):22. Aug. 1965. 335.8 N21
Cooperative.
- 48898 SCUIBBA, R. Rural electrification. (It) Genio Rurale 28(10):805-811. Oct. 1965. 281.8 R522
- 48899 SMITH, J. E. How Mecklenburg Electric Cooperative helps develop stronger rural communities. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p. 54-58. 1965. A280.2 F22
Virginia.

Heating, Lighting, and Radiation

- 48900 ALEKSEEV, N. Gasifying farms in Volga Region. (Rus) Tekh. Sel'skom Khoz. 2:6-7. Feb. 1966. 58.8 M11

Power Plants, Motors and Engines on the Farm

- 48901 BUELL, E. H. Water requirements for power development (the Kaiparowits Project). Ariz. Watershed Symp. Annu. Proc. 9:26-28. Sept. 22, 1965. 292.9 Ar425
- 48902 FISCHER, K. The diesel motor should not be overheated. (Ge) Traktor Landmasch. 28(3): 147-148. Feb. 1966. 58.8 T678Ag
- 48903 FRANGULYAN, V. Transformer substations for farms. (Rus) Tekh. Sel'skom Khoz. 2:37-41. Feb. 1966. 58.8 M11

- 48904 GINDICH, A. 10th anniversary of the Bratsk hydroelectric power station. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 228:1-4. Oct.1,1965. (JPRS 32,221; TT 65-32711) 173 J663Sove
Translation from Kommunist Tadzhikistana, Sept.4,1965.
- 48905 NOSKOVA, YE., and REYNGEVERTZ, M. The work of the department for scientific organization of production in the Altay motor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:17-21. Nov.22,1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 40:26. Oct.6,1965.
- 48906 SONOMURA, M., and SHIBANO, Y. Studies on the improvement of cooling performance of farm air cooled engines. V. (Ja) Soc. Agr. Mach. Jap. J. 27(1):3-5,10. June 1965. 58.9 So1
English summary.
- 48907 TAKEDA, S. Studies on the lubricating oil for farm engines. III. On the declination of various properties of the lubricant of the air cooled and water cooled diesel engines. (Ja) Soc. Agr. Mach. Jap. J. 26(4):231-235. Mar.1965. 58.9 So1
English summary.
- Water Supply
- 48908 COTEY, B. J. Chemical stimulation of water wells. Cross Sect. 11(11):2-4. Apr.1965. 292.8 C88
Maintenance.
- 48909 GATTIS, J. L. Water conditioning. Ark. Univ. Ext. Circ. 512,rev.,19 p. Oct.1965. 275.29 Ar4
Equipment on the farm.
- 48910 GAUNTLETT, G. A short lesson in geometry explains how to measure the capacity of farm dams. West. Australia. Dep. Agr. J. (ser.4) 6(9):547-548. Sept.1965. 23 W52J
- 48911 GOULD, G. T. Developing adequate rural water systems. Public Works 97(1):76-78,map. Jan.1966. 290.8 M922
- 48912 PETTIS, A. M. Home water quality control. Fla. Univ. Ext. Circ. 291,10 p.-folder. Oct. 1965. 275.29 F66C
Rural and suburban.
- 48913 PITTLER, H., and WORATZ, H. Inspection of wells in the milk industry of Lower Saxony. (Ge) Gesundheitswesen Desinfekt. 57(10):140-141. Oct.1965. 449.8 Z36P
- 48914 WIERSMA, J. L. New methods for stock water storage on the range. Great Plains Agr. Counc. Proc. 1965:11-20. Ref. 282.9 G7992
Water supply for livestock.

**AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS**

GENERAL

- 48915 ARCTANDER, S. Tiare Tahiti: with overtones of vanilla and frangipanni. Soap, Perfumery Cosmetics 39(2):117-122. Feb.1966. 307.8 Sol3
Discusses various agricultural products.
- 48916 BRAND, W. The food problem in India. (Du) Econ.-Statist. Ber. 51(2531):232-234. Mar.2, 1966. 280.8 Ec722
In relation to population.
- 48917 BURKE, T. Food and population, time and space: formulating the problem. J. Geogr. 65 (2):58-66. Feb.1966. 278.8 J82
Population distribution.
- 48918 DAYRE, J. "In 1990": thoughts in margin of a book of Serge Bromberger. (Fr) Rev. Franc. Agr. 10:53-67. Autumn 1965. 281.8 R328
Includes food and population problem.
- 48919 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Recommendations by the intergovernmental committee to the Economic and Social Council of the United Nations and the Council of FAO on the future of the World Food Program. Food Agr. Organ. UN. Counc. CL 44/18,12 p. May 5,1965. 389.9 F7355
Forty-fourth session, Rome, June 21, 1965.
- 48920 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirty-eighth session of the committee on commodity problems to the forty-fourth session of the Council of FAO. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/19 CL44/8, 33 p. June 1965. 389.9 F735Co
Includes policies.
- 48921 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirty-ninth session of the Committee on Commodity Problems to the forty-fifth session of the Council of FAO. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/28 CL45/6, 14 p. Nov.1965. 389.9 F7354Co
Includes policies.
- 48922 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Statements by representative of Secretary-General of United Nations, Directory-General of FAO and Executive Director of the World Food Program. Food Agr. Organ. UN. Counc. CL 44/18,(sup.1), 18 p. May 7,1965. 389.9 F7355
Forty-fourth session, Rome, June 21, 1965.
- 48923 GREAT BRITAIN. TROPICAL PRODUCTS INSTITUTE, LONDON. Report 1964. London, 1965. 37 p. Ref. 280.9 G795
- 48924 HENDERSON, E. Food aid: a selective annotated bibliography on food utilization for economic development. Rome, United Nations, 1964. 203 p. Z7:64.F7H4
Food and Agriculture Organization of the United Nations, cooperating.
Prepared for the World Food Program.
- 48925 HOPE, C. R. Food production must be doubled to feed world. Great Plainsman 700(4):3-5. Dec.1965. 280.38 G79
- 48926 KORULSKA, M. Location of food industry in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 418: 11-20, map. Feb.15,1966. (JPRS 34,137; TT 66-30579; CSO 2600-D) 173 J663Ste
Translation from Przemysl Spozywczy 19 (11):5-12. Nov.1965.
- 48927 LONCIN, M. Problems and perspectives of food industry. (Fr) Rev. Ferment. Indus. Aliment. (n.s.)20(4):123-130. Ref. 1965. 390.08 R32
Population and food supply.
- 48928 MCGOVERN, G. What it will take to win worldwide war against global hunger. Grain Age 7(3):8,16. Mar.1966. 281.8 G76
- 48929 MYRDAL, K. G. Food for increasing millions. Bharat Krishak Samaj. Year Book 1964:19-30. 22 B46
Freedom from Hunger Campaign.
- 48930 PIERCE, R. Expanded production on nation's farm for feeding the world promises benefits to the entire economy. Grain Prod. News 18 (7):2,19. Apr.1966. 286.81 G764
- 48931 RUSK, D. Food for Freedom Act of 1966. U. S. Dep. State. Bull. 54(1396):496-503. Mar.28, 1966. 150 B87
Statements before House and Senate Committees.
- 48932 SEN, S. R. Implications of the UNCTAD and Argentine proposals for the modification of the World Food Program. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/24,48 p. Sept.22,1965. 389.9 F7354Co
Thirty-ninth session.
- 48933 SHASTRI, L. B. Food self-sufficiency part of defense prime minister's call to farmers. Kurukshetra 14(2):2-4. Nov.14,1965. 281.28 K96
In India.
- 48934 TOROK, G. Activities of the Central Research Institute for the Food Industries [Kozponti Elelmiszeripari Kutatointezet]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:8-14. Sept.16,1965. (JPRS 32,020; TT 65-32514; CSO 2500-N) 173 J663Ste
Hungary.
Translation from Elelmezési Ipar 19(5):133-135. 1965.
- 48935 TOYNBEE, A. J. Man and hunger: the perspectives of history. Bharat Krishak Samaj. Year Book 1964:9-18. 22 B46
Freedom from Hunger Campaign.
- 48936 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Food around the world. U. S. D. A. Econ. Res. Serv. NFS-115:32-43. Feb.15,1966. 1.941 S2F73
Includes Food consumption per capita, by H. M. Eklund, and Expenditures for food, by S. J. Hiemstra.
- 48937 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Plan ahead for food supply. Wash. State Univ. Ext. E. M. 1002, rev., 5 p. Jan.1966. 275.29 W27Mi

ANALYSIS AND COMPOSITION

- 48938 ABBOTT, D. C., BUNTING, MRS., J. A., and THOMSON, J. The determination of residues of dimethoate with multi-band chromatoplates. Analyst 91(1079):94-97. Ref. Feb.1966. 382 An1
Food products.
- 48939 BARTRAM, M. T. Clostridium botulinum. Ass. Food Drug Offic. U. S. Quart. Bull. 29(2): 74-78. Apr.1965. 389.9 As7Q
In food.
- 48940 BERRENS, L., and BLEUMINK, E. The influence of sugars on the U. V. absorption spectrum of proteins. Rec. Trav. Chim. Pays-Bas 85(1):59-69. Ref. Jan.1966. 385 R24
- 48941 BIANCO, L. J. Control procedures in food processing. Ass. Food Drug Offic. U. S. Quart. Bull. 29(2):59-68. Apr.1965. 389.9 As7Q
- 48942 BIDDLE, H. C., and FLOUTZ, V. W. Chemistry in health and disease. Ed. 6. Philadelphia, Davis, 1966. 804 p. QD33.B5
Includes chemistry of food.
- 48943 BIER, H., and FAUST, H. Quantitative determination of chlorocholine chloride (CCC) in plant material. (Ge) Z. Chem. 5(10):386-388. Oct.1965. 384 Z325
- 48944 BURZYNSKA, H. Detection and identification of Pseudomonas. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):39-47. Ref. 1964. 499.9 W26
English summary.
From food products stored at low temperatures.

- 48945 CHIBATA, I., and others. Studies on assay for amino acids in foods: assay of tyrosine. (Ja) Jap. Soc. Food Nutr. J. 18(5):37-41. Ref. 1966. 389.9 J27
H. Ito, S. Ishikawa, and K. Kawashima, joint authors.
English summary.
- 48946 DOUGLAS, J., and PERRYMAN, D. F. Pictorial statistics for the food bacteriologist. Food Trade Rev. 36(2):48-48. Feb. 1966. 389.8 F7334
- 48947 EECKHAUT, R. G., SYSMANS, A., and WINTER, R. DE. Colorings in foods. (Fl) Fermentatio 6:303-313. (Cont.) 1965. 390.8 F38 Testing.
- 48948 ELIASSAF, J., and AICHE, B. B. The iodine affinity of some kinds of starch. Starke 17(12):389-390. Dec. 1965. 309 S22
- 48949 ELLIS, M. K., WAMPLER, S. N., and YAGER, R. H. Liquid scintillation method for determination of solvent-extracted phosphorus-32 in foods. Anal. Chim. Acta 34(2):169-174. Feb. 1966. 381 An1
- 48950 HALL, H. E., ANGELOTTI, R., and LEWIS, K. H. Detection of the staphylococcal enterotoxin in food. Health Lab. Sci. 2(3):179-191. Ref. July 1965. 449.8 H343
- 48951 ILLI, H. U., and DAEPP, H. U. Plate count of osmophilic yeasts. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):190-192. 1965. 389.9 Sw6
English summary.
Food spoilage organisms.
- 48952 JACOBS, R. A., NICHOLAS, R. C., and PFLUG, I. J. Heat resistance of *Bacillus subtilis* spores in atmospheres of different water contents. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):238-246. Nov. 1965. 100 M58S Food.
- 48953 KEVEI, MRS. J. Methods of identification of compounds detected by gas chromatography. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet Kozlem. 1:27-31. 1965. 389.9 B85
English summary.
Food analysis.
- 48954 LUDWIG, E., and FREIMUTH, U. Use of thin layer chromatography in food chemistry. 5. The identification of organic preservatives on polyamide layers. (Ge) Nahrung 9(7):751-754. Ref. 1965. 389.8 N142
English summary.
- 48955 MATZ, S. A. Water in foods. Westport, Conn., Avi, 1965. 275 p. Ref. TX357.M3
- 48956 SCHEIBNER, G. Research on the growth spectrum of bacterial types important in food sanitation. (Ge) Fleischermeister 19(12):312-314. Dec. 1965. 50.8 F622
- 48957 SCHUPHAN, W., and SCHWERDTFEGGER, E. The essential amino acids of food plants in relation to human nutrition. (Ge) Nahrung 9(7):755-772. Ref. 1965. 389.8 N142
Literature review.
- 48958 SPANYAR, P., and KEVEI, MRS., J. Possibilities of food examinations by gas chromatography. (Hu) Elelmezési Ipar 19(12):358-362. Ref. Dec. 1965. 290.9 M57
English summary.
- 48959 SUTHERLAND, G. L. Residue analytical limit of detectability. Residue Rev. 10:85-96. 1965. 389.9 R314
Literature review.
In plant and animal tissues.
- 48960 TANNENBAUM, S. R. Protein carbonyl browning systems: a study of the reaction between glucose and insulin. J. Food Sci. 31(1):53-57. Ref. Jan./Feb. 1966. 389.8 F7322
- 48961 TARODY, MRS., O. E., and MOCSARI, L. Hygienic-control with agar-impressions applied in food production. (Hu) Elelmezési Ipar 19(12):372-374. Dec. 1965. 290.9 M57
English summary.
- 48962 TIMASHEFF, S. N. Specific interactions in proteins due to proton fluctuations. Biopolymers 4(1):107-120. Ref. Jan. 1966. 381 B524
- 48963 WEEREN, R. D., WERNER, H., and WURZIGER, J. Contribution to the analysis of water-containing solutions by gas chromatography. (Ge) Deut. Lebensmittel-Rundsch. 62(1):13-15. Ref. Jan. 1966. 389.8 D482
- 48964 WINKLER, S. Contribution to the rheology and rheometry of the viscosity and structural viscosity of starches. (Ge) Starke 17(12):381-386. Dec. 1965. 309 S22
English summary.
- 48965 WOHLRAB, R. Salmonella manchester infections in northwestern Germany during 1957-1963. (Ge) Gesundheitswesen Desinfekt. 57(6):73-75. June 1965. 449.8 Z36P
Includes isolation from feed and food.
- 48966 ZADROZINSKA, J. Evaluation of minute amounts of some phospho-organic compounds in plant material by means of paper chromatography. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):5-12. 1964. 449.9 W26
English summary.
Insecticide residues.

CONSUMPTION AND UTILIZATION

- 48967 CHERNYAVSKIY, D. U. Predicting the demand for non-food commodities. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 103:1-20. Jan. 14, 1966. (JPRS 33,743; TT 66-30187; CSO 1840-D/PE-135) 173 J663Tro
Includes rural areas.
Translation from Planovoe Khozyaistvo 10:18-29.
- 48968 COINTAT, M., and POUZET, R. Shall we eat French foods? (Fr) Rev. Franc. Agr. 10:26-36. Autumn 1965. 281.8 R328
- 48969 GREAVES, J. P., and HOLLINGSWORTH, D. F. Trends in food consumption in the United Kingdom. World Rev. Nutr. Diet. 6:34-89. Ref. 1966. 389.1 W892
Bibliography, p.85-89.
- 48970 STUBBS, A. C. Homemaker orientation related to marketing. Tex. Agr. Exp. Sta. B-1041, 12 p. Sept. 1965. 100 T31S
Food purchases in response to mass educational media.
- 48971 YUIZE, Y. The food demand trends in postwar Japan. (Ja) Quart. J. Agr. Econ. 20(1):57-114. Jan. 1966. 22.5 N687

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 48972 ALTIERI, M. Some considerations on the transport of frozen and deep-frozen foodstuffs. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.3:1659-1663. 1963, pub. 1965. TP490.15
English summary.
- 48973 APPLEBAUM, W. Can store location research be a science? Econ. Geogr. 41(3):234-237. July 1965. 278.8 Ec7
Food stores located on roadside.
- 48974 BACHMAIER, W., and BORNCHLEGL, A. Testing of special equipment for the road transport of perishable foodstuffs. Int. Congr. Refrig. Proc., 11th Congr., v.3:1649-1657. 1963, pub. 1965. TP490.15
Refrigeration.
Includes discussion.
- 48975 BRANSON, R. E. Market development—producer's responsibility. Tex. Agr. Progr. 12(1):19-20. Winter 1966. 100 T31Te
- 48976 CORNELIUS, E. The practical use of transport optimization on the socialist farm. (Ge) Z. Agrarikon 10(8):308-313. 1965. 281.8 Z3
- 48977 CULLUM, R. B. Intra-industry communications. United Fresh Fruit Veg. Ass. Yearbook 1966:35-36. 280.3939 Un3
Cooperation in food marketing.
- 48978 DEAN, A. Food shopper's guide. Mich. State Univ. Ext. Ext. Folder F-306, rev., 31 p. Jan. 1965. 275.29 M58Ex

- 48979 DUARTE, M. I. B. Problems of marketing. (Por) Gaz. Agr. Angola 10(12):702-703. Dec. 1965. 24 G252 Portugal.
- 48980 FALZONE, P. Transportation in agriculture. (It) Ital. Agr. 103(1):78-81. Jan.1966. 16 It1
- 48981 FARRELL, J. F. A closer look at the independent grocer in Rhode Island. R. I. Agr. 12(1):6-8. Jan.1966. 100 R342
- 48982 FEEN, M. G. Rapport au Gouvernement du Togo: la commercialisation des produits d'exportation [Report to the Government of Togo: marketing of export products]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1981,23 p. 1965. 281.9 F733E
- 48983 FORKER, O. D., and SENEY, H. Truck transportation—to own or not to own. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-3,27 p. Nov. 1965. 275.29 C121
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
Study on costs done for a cooperative.
- 48984 FRYE, J. O. Comments on the Leontief input output model. N. C. State Univ. Agr. Policy Inst. Ser. 17:175-176. Apr.1965. 281.9 N8122
- 48985 GALAMINI, L. Instead of costly structural reforms tending toward collectivization of the countryside, agriculture should be assured of stable and remunerative prices. (It) Rass. Agr. Ital. 21(2):18-19. Feb.1966. 281.8 R18
Marketing policy.
- 48986 GERL, F. Problems of adapting agricultural supply to market requirements. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.2):46-56. 1965. 18 L24
- 48987 GODWIN, M. R. Food Marketing Commission. United Fresh Fruit Veg. Ass. Yearbook 1966: 311-312. 280.3939 Un3
U. S. National Food Marketing Commission.
- 48988 GUDIMOV, A. Sales bans on the kolkhoz market. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 102:16-20. Jan.7, 1966. (JPRS 33,635; TT 66-30079; CSO 1840-D PE) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 47:37. Nov.1965.
- 48989 HAMMOND, A. E. Cash and carry—an impartial investigation. Frozen Foods 19(1):24-25, 28. Jan.1966. 295.8 Q4
Marketing of frozen foods.
- 48990 HILDEBRANDT, R. Efficiency in the wholesale food trade purposefully advanced. (Ge) Handel 16(1):32-33. Jan.1966. 286.8 H192
- 48991 HOELL, G. Increased state monopolistic agricultural market regulation in West Germany. (Ge) Deut. Landwirt. 16(12):473-476. Dec. 1965. 18 D4822
- 48992 MANNING, R. Supply analysis and related aggregate statistical analysis. N. C. State Univ. Agr. Policy Inst. Ser. 17:173-174. Apr.1965. 281.9 N8122
Linear programming.
- 48993 MCGREGOR, E. Frozen Mexican dinners—hot items in B.C. stores. Food Can. 26(2):37-39. Feb.1966. 389.8 F7323
- 48994 NIKITINA, L. Supply and demand of consumer goods in a socialist system—USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 88:1-9. June 8,1965. (JPRS 30,476; CSO 1840-S) 173 J663Tro
Agricultural goods are included.
Translation from Voprosy Ekonomiki 3:118-123. Mar.1965.
- 48995 OUSTEN, M. P. Supply of large cities with fresh agricultural products. 3. (Fr) Coop. Agr. [Paris] 13(144):15-17. Jan.1966. 280.28 C78972
In Europe.
- 48996 PACENTI, V. Stabilization of rural roads with cement. (It) Genio Rurale 28(7/8):592-607. July/Aug.1965. 281.8 R522
- 48997 PFISTER, G. Why major promotions, not price are the answer to FF growth. Quick Frozen Foods 28(7):102-103. Feb.1966. 389.8 Q4
- 48998 RICCI, C. Foundations for the study of rural roads. (It) Genio Rurale 28(7/8):609-619. July/Aug.1965. 281.8 R522
- 48999 SANFORD, G. S. A review of "Inter-Area Relations in Agricultural Supply." N. C. State Univ. Agr. Policy Inst. Ser. 17:180-182. Apr. 1965. 281.9 N8122
- 49000 SCAPACCINO, G. The function of cooperatives and producers' associations in the stabilization of agricultural markets. (It) Rass. Agr. Ital. 21(2):24-26. Feb.1966. 281.8 R18
- 49001 SCHIECK, H. The development of socialist market and contract relations—an essential side of the use of the new economic system of planned management of the agricultural economy. (Ge) Z. Agrarökonomik 10(8):303-307. 1965. 281.8 Z3
- 49002 STAHN, R., and KAUFMANN, H. Cooling methods for mechanically refrigerated railway-cars carrying deep-frozen food—diesel-driven refrigerating units. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.3:1675-1682. 1963, pub. 1965. TP490.15
English summary.
- 49003 STEDING, R., and JUSTMANN, K. Problems of the 7th order for carrying out the law of contracts in the marketing relations of farms. (Ge) Deut. Landwirt. 17(2):68-71. Feb.1966. 18 D4822
- 49004 TENNESSEE HIGHWAY CONFERENCE, 46, UNIVERSITY CENTER, 1964. Proceedings. Tenn. Univ. Eng. Exp. Sta. Bull. 30,132 p. Jan.1,1965. 290.9 T25
Includes Roads and rural life, by W. B. Lamb, p.1-4.
- 49005 U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Scientific careers in agricultural marketing research. U. S. D. A. Misc. Publ. 1012,8 p.-folder, map. Jan.1966. 1 Ag84M
- 49006 U. S. CORPS OF ENGINEERS. Waterborne commerce of the United States, calendar year 1964: water carriage ton-miles; supplement 2 to 5, National summaries. Washington, 1966. 25 p. 152.25 W29
- 49007 VASIL'EV, V. I. Novoe v zagotovkakh sel'skokhozyaistvennykh produktov [News in purchase-sale programs of agricultural products]. Nar. Univ. Sel'skokhoz. Fak. [Knizhka] 8,102 p. 1965. 275.9 N16

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 49008 AMOORE, J. E., and VENSTROM, D. Sensory analysis of odor qualities in terms of the stereochemical theory. J. Food Sci. 31(1):118-128. Ref. Jan./Feb.1966. 389.8 F7322
- 49009 AUSTERN, H. T. Federalism in consumer protection: conflict or coordination? Ass. Food Drug Offic. U. S. Quart. Bull. 29(4):148-157. Ref. Oct.1965. 389.9 As7Q
Food regulation.
- 49010 BATTELLE MEMORIAL INSTITUTE, COLUMBUS, O. PACIFIC NORTHWEST LABORATORY. Hanford radiological sciences research and development annual report for 1964, edited by D. W. Pearce and J. K. Green. Richland, Wash., 1965. (BNWL-36; UC-48, Biology and Medicine). 334.9 B322
Includes radiation in food and radiation in soil research.
- 49011 BOLANGIU, O., and COJOCARU, C. Standardization—an important factor for quality improvement of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:32-46. Sept.16,1965. (JPRS 32,020; TT 65-32514; CSO 2700-D) 173 J663Ste
Translation from Probleme Economice 7:88-89. July 1965.
- 49012 BREENBERG, A., and COLLINS, S. Paired comparison taste tests: some food for thought. J. Marketing Res. 3(1):76-80. Feb.1966. 280.38 J822

- 49013 CLARK, C. A. Food plant inspections. Ass. Food Drug Offic. U. S. Quart. Bull. 29(2):45-52. Apr.1965. 389.9 As7Q
- 49014 DAVIS, A. FDA must be better managed. Food Process. Marketing [Chicago] 27(3):17-18,22, 24,26,30. Mar.1966. 389.8 F7325
Food regulations.
- 49015 DESAYMARD, P. Recent progress in the field of plant sanitation products. (Fr) Chim. Indus. [Paris] 94(5):441-449. Nov.1965. 383 C42
Economic poisons in relation to developing less toxic products.
- 49016 DI GENOVA, J. Food and flavors. Givaudan Flavorist 3:1-4,8. 1964. 308.8 G44
Chemistry.
- 49017 DROBINSKI, J. C. Radiocarbon in the environment. Radiol. Health Data Rep. 7(1):10-12. Ref. Jan.1966. 151.65 R11
In foods.
- 49018 FELSENFELD, O. Notes on food, beverages and fomites contaminated with *Vibrio cholerae*. World Health Organ. Bull. 33(5):725-734. 1965. 449.9 W892B
- 49019 FERRIS, E. Shopper's guide to U.S. grades for food. U. S. D. A. Home Gard. Bull. 58, slightly rev., 14 p. Ref. Jan.1966. 1 Ag84Hg
- 49020 FINE, S. D. Cooperative Federal-State food and drug control program. Ass. Food Drug Offic. U. S. Quart. Bull. 29(2):52-58. Apr.1965. 389.9 As7Q
In cooperation with the Food and Drug Administration.
- 49021 FLUGE, M. Problematics of bacteriological standards in foods. (Ge) Deut. Lebensmittel-Rundsch. 62(1):15-19. Jan.1966. 389.8 D482
- 49022 FURUTANI, S., and OSAJIMA, Y. Study of residual components from agricultural chemicals in food. III. Value of mercury in wheat, some vegetables and paddy field soil. (Ja) Kyushu Univ. Fac. Agr. Sci. Bull. 22(1):45-48. Oct. 1965. 107.6 K995B
English summary.
Mercury fungicide residues in foods and soils.
- 49023 GARDNER, J. W. Remarks at the dedication of the FDA building. Food Drug Cosmet. Law J. 20(12):711-714. Dec.1965. 389.58 F732
- 49024 GLASS, R. L. Food rancidity its nature and prevention. Baker's Dig. 40(1):34-35,38-39. Feb.1966. 389.8 S11
- 49025 GOODRICH, W. W. Legal support for FDA programs. Ass. Food Drug Offic. U. S. Quart. Bull. 29(4):135-141. Oct.1965. 389.9 As7Q
- 49026 GREAT BRITAIN, AGRICULTURAL RESEARCH COUNCIL. RADIOBIOLOGICAL LABORATORY. Annual report 1964-1965. Great Brit. Agr. Res. Coun. Radiobiol. Lab. Rep. ARCRL 14, 90 p., maps. Ref. n.p., 1965. 334.9 G792
Radioactivity in food and milk.
- 49027 HALL, R. L. The role of flavors in new product development. Glass Packer/Processor 45 (3):18-20. Mar.1966. 309.8 G463
For foods.
- 49028 HANSEN, W. H., and others. Chronic toxicity of two food colors, Brilliant Blue FCF and Indigotine. Toxicol. Appl. Pharmacol. 8(1):29-36. Jan.1966.
O. G. Fitzhugh, A. A. Nelson, and K. J. Davis, joint authors.
- 49029 JARAI, GY. Situation and outlook for the standardization of agricultural products. (Hu) El-mezesi Ipar 20(1):19-24. Jan.1966. 290.9 M57
English summary.
- 49030 JEPSEN, A. Microbiological standards for food. (Da) Danske Dyrægefor. Medlemsbl. 49(3):105-110. Feb.1,1966. 41.9 D23
- 49031 JORDAN, Propositions for effective food inspection. (Ge) Arch. Lebensmittelhyg. 17(1):5-6. Jan.1966. 41.8 L49
- 49032 KIRCHHOFF, H. Toxicity of food preservatives. (Ge) Gesundheitswesen Desinfekt. 57 (10):133-140. Ref. Oct.1965. 449.8 Z36P
Includes review of literature.
- 49033 LEVINSKAS, G. J., RIBELIN, W. E., and SHAFFER, C. B. Acute and chronic toxicity of pimaricin. Toxicol. Appl. Pharmacol. 8(1):97-109. Ref. Jan.1966. 391.8 T662
Fungicide used in foods.
- 49034 LINDELL, B., and MAGI, A. The occurrence of Cs137 in Swedish food, especially dairy milk, and in the human body after the nuclear test explosions in 1961 and 1962. Arkiv Fys. 29(1):69-96, map. Ref. 1965. 334.8 Ar4
- 49035 MCINTIRE, C. G. Pollution control, a challenge for a better environment. United Fresh Fruit Veg. Ass. Yearbook 1966:23,26,28,30. 280.3939 Un3
Includes pesticides and chemicals; in food.
- 49036 NELSON, K. E., and others. Clostridium perfringens food poisoning; report of an outbreak. Amer. J. Epidemiol. 83(1):86-95. Ref. Jan. 1966. 449.8 Am3
E. A. Ager, J. R. Marks, and I. Emanuel, joint authors.
- 49037 OSER, B. L. How safe are the chemicals in our food? Today's Health 44(3):61-64. Mar. 1966. 449.8 H993
- 49038 OSER, B. L. The no-residue problem and the proposed solution. Amer. Feed Manufacturers Ass. Nutr. Coun. Proc., 25th Semi-annu. Meeting:39. 1965. 389.79 Am32
Food regulation and tolerances.
- 49039 OSER, B. L. The proposed alternative to zero level and no residue regulations. Food Drug Cosmet. Law J. 21(2):124-132. Feb.1966. 389.58 F732
Economic poisons in food.
- 49040 PARIS. CENTRE NATIONAL DE COORDINATION DES ETUDES ET RECHERCHES SUR LA NUTRITION ET L'ALIMENTATION. Scientific sessions, Paris, November 23-27, 1964. XIV. Subjective and objective methods of evaluating the organoleptic characteristics of food products. (Fr) Ann. Nutr. Aliment. 19(6):A475-A606. (Concl.) 1965. 389.8 An73
- 49041 PETERMANN, R. Look to the food label. Okla. State Univ. Ext. Leaflet-L-136, 8 p.-folder. Nov. 1965. 275.29 Ok41Le
- 49042 PETERMANN, R. What you should know about food additives. Okla. State Univ. Ext. Circ. E-769, 12 p. Jan.1966. 275.29 Ok41C
- 49043 ROUSSEAU, M. Food inspection in history. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg. Aliment.) 24:29-31. May/June 1965. 50.8 R322
- 49044 SOUVERAIN, R. Application of methods of analysis for organoleptic characteristics. (Fr) Ann. Nutr. Aliment. 19(6):A575-A606. 1965. 389.8 An73
Food quality factors and regulation.
Includes discussion.
- 49045 TILGNER, D. J. Sensory measurement of almost imperceptible quality losses in stored foods. Int. Congr. Refrig. Proc., 11th Congr., v.2:971-974. 1963, pub.1965. TP490.I5
- 49046 VASNIER. Food without legislation; towards universal food legislation. (Fr) Equilibre 20: 10-14. Dec.1965. 389.8 Eq5
- 49047 VOS, B. J. The FDA and food safety. Food Drug Cosmet. Law J. 20(12):715-722. Dec. 1965. 389.58 F732

PACKING AND PACKAGING

- 49048 BARTUSCH, W. Packing and keeping quality of foods. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:197-204. 389.9 Ar1
- 49049 CHEVALIER, J. How to extend refrigerating protection on arrival of foodstuffs transported in refrigerated or frozen state. Study of suitable containers for countries with less highly developed refrigerating equipment. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.3:1687-1690. 1963, pub.1965. TP490.I5
English summary.

- 49050 HEISS, R., and STRASSER, J. Investigations into the requirements which frozen food packages have to meet. Int. Congr. Refrig. Proc., 11th Congr., v.2:975-979. 1963, pub. 1965. TP490.I5
- 49051 JARRETT, K. J. The selection of materials for food packaging. Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):145-157. 1965. 389.9 Sw6
- 49052 LYSSY, G. H., and MOHLER, H. Measurement of gas and moisture permeability through packing materials and whole packages. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):170-184. 1965. 389.9 Sw6
English summary.
- 49053 MACCHESNEY, J. What is different about frozen food packaging. Int. Inst. Refrig. Bull. Suppl. 1965-1:257-262. 1965. 295.9 In7
Includes discussion.
- 49054 RIEDEWALDT-SCHOTT, K. VON. Examples of the coordination of the marketing problems in the food industry. (Da) Konserves Dybfrost 24(1):2-5. 1966. 389.8 K835
Packaging.
- 49055 SACHAROW, S. Taking the mystery out of plastics for frozen food packaging. Quick Frozen Foods 28(7):50-52. Feb. 1966. 389.8 Q4
- 49056 TIGNER, J. R. Chemically treated multiwall tarps and bags tested for rat repellency. J. Wildlife Manage. 30(1):180-184. Jan. 1966. 410 J827
In connection with damage caused to food packages.
- 49057 YASHUK, J. C., and MARSHALL, R. T. A study of bacterial contamination as related to certain salvaged and non-salvaged food products. Ass. Food Drug Offic. U. S. Quart. Bull. 29(4):127-134. Oct. 1965. 389.9 As7Q
On container surfaces.
- 49066 KORNIYENKO, V. The value of price lists. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:22-24. Nov. 12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Includes foods.
Translation from Sovetskaya Torgovlya, Aug. 21, 1965, p. 3.
- 49067 MADHYA PRADESH. DIRECTORATE OF LAND RECORDS. Farm (harvest) prices of agricultural commodities in Madhya Pradesh 1962-63. Gwalior, 1965. 199 p. 269.55 M263
- 49068 OURY, B. How successful are alternative research methodologies for predicting the effects of price and income policies. N. C. State Univ. Agr. Policy Inst. Ser. 17:43-62. Ref. Apr. 1965. 281.9 N8122
- 49069 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. ECE/FAO AGRICULTURE DIV. Prices of agricultural products and fertilizers in Europe 1964/65. Geneva, 1966. 135 p. (ST/ECE/AGRI/18) 281.8 G76
- 49070 WORKSHOP ON PRICE AND INCOME POLICIES, RALEIGH, 1965. Papers. N. C. State Univ. Agr. Policy Inst. Ser. 17:206 p. Ref. Apr. 1965. 281.9 N8122
- 49071 ZALA, F. Price measures and trade. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 556:10-14. Mar. 15, 1966. (JPRS 34,571; TT 66-31011; CSO 2500-N) 173 J663Tre
Relationship between wages, food prices, and consumption in Hungary.
Translation from Figyelo 10(8):2. Feb. 23, 1966.

PROCESSING AND STORAGE

PRICES, PRICE CONTROL, AND RATIONING

- 49058 BROMLEY, J. D., and GRIFFITHS, L. W. Food is a bargain. R. I. Agr. 12(1):4-5. Jan. 1966. 100 R342
Price index comparisons.
- 49059 DALRYMPLE, D. G. Some thoughts on the possible effects of advertising and promotion on price elasticity of demand. U. S. Fed. Ext. Serv. Mimeo D-16,4 p. Aug. 1965. A280.39 F312
- 49060 DAY, R. H. Predicting price and income effects: some comments on research methodology. N. C. State Univ. Agr. Policy Inst. Ser. 17:33-42. Apr. 1965. 281.9 N8122
- 49061 ESTELLA, A., and CASTRO, B. DE. Prices, inflation, and agriculture. (Sp) Agricultura [Madrid] 399:365-366. July 1965. 15 Ag84
- 49062 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. Developments in agricultural price stabilization and support policies 1959-1964. Food Agr. Organ. UN. Comm. Comm. Probl. CCP 65/5,97 p. Mar. 22, 1965. 389.9 F7354Co
- 49063 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Einzelhandelspreise und Indices der Verbraucherpreise [Retail prices and indices of consumer prices], 1963. Stuttgart, 1963. 97 p. (Its Preise Lohne Wirtschaftsrechnungen, Fachserie M, Reihe 6) 265 G318Ev
Food prices included.
- 49064 HANAU, A. On the uncertainty of price expectations in agriculture. (Ge) Agrarwirtschaft 15(2):76-78. Feb. 1966. 281.8 Ag826
- 49065 HONGKONG. COMMERCE AND INDUSTRY DEPT. STATISTICS BR. Cost of living survey, 1958-63/64. Hong Kong, Young, 1965. 172 p. HD7051.H6H6
Food prices included.
- 49072 DAVIES, J. Atoms and onions. Ontario Hydro News 53(1,i.e.2):10-11. Feb. 1966. 335.9 On8B
Food irradiation.
- 49073 DEXTER, S. T. A convenient gas-constant for use in storage and respiration studies: the "pound-molecular volume." Amer. Soc. Agr. Eng. Trans. ASAE 8(2):292. 1965. 290.9 Am32T
Farm crops.
- 49074 EISNER, M. Importance of bacterial control in the manufacture of canned foods. (Ge) Indus. Obst- Gemuseverwertung 51(3):62-64. Ref. Feb. 3, 1966. 389.8 K832
Literature review.
- 49075 ESTEOULE, J. Evolution in the food preservation industry in the Lower Rhine-Languedoc region. (Fr) Rev. Conserv. 20(9):43-175. Dec. 1965. 389.8 R326
- 49076 FREIXO, J. Preservation of foods by cold. (Por) Conserv. Peixe 20(238):29. (Cont.) Jan. 1966. 389.8 C7692
Freezing and storage of frozen food.
- 49077 GAC, A. Determination of the cooling of foodstuffs by refrigeration. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:943-952. 1963, pub. 1965. TP490.I5
English summary.
- 49078 GOLDBLITH, S. A., and KAREL, M. Freeze drying of foodstuffs. Int. Congr. Refrig. Proc., 11th Congr., v.1:85-89. 1963, pub. 1965. TP490.I5
- 49079 GOSSLING, M. New techniques in the field of cooling and deep freezing of foods. (Ge) Indus. Obst- Gemuseverwertung 51(4):95-98. Feb. 17, 1966. 389.8 K832
- 49080 HANSEN, P. I. E. Radiation preservation. (Da) Danske Dyrægefor. Medlemsbl. 49(3):120-126. Feb. 1, 1966. 41.9 D23
Food.
- 49081 HOLLO, J., LASZLO, E., and HOSCHKE, A. Biosynthesis of starches. V. (Ge) Starke 17(12): 377-381. Ref. Dec. 1965. 309 St22
English summary.

- 49082 HOLLO, J., and NYESTE, L. Principal problems of continuous fermentation. (Ge) *Nahrung* 9(7):783-800. Ref. 1965. 389.8 N142
Literature review.
- 49083 HOREJSI, V., and FRIC, V. Experience with the use of dielectric heating for freeze-drying foods. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1519-1525. 1963, pub. 1965. TP490.15
- 49084 INTERNATIONAL CONGRESS OF REFRIGERATION. 11. MUNICH, 1963. Progress in refrigeration science and technology. *Proceedings*. Oxford, *Int. Inst. Refrig.*, 1965. 3 v. Ref. TP490.15
- 49085 INTERNATIONAL INSTITUTE OF REFRIGERATION. COMMISSION 4. Meeting, Karlsruhe (Germany), May 19-21, 1965. *Int. Inst. Refrig. Bull. Suppl.* 1965-1, 262 p. Ref. 1965. 295.9 In7
Text in English and French with summaries in the other language.
Includes discussion.
- 49086 JAFORTE, A., and CAVALLARO, A. Determination of 3-4 benzopyrene and other polycyclic hydrocarbons in paraffins. (It) *Riv. Ital. Sostanze Grasse* 42(8):391-395. Aug. 1965. 307.8 O13
English summary.
Used in the food industry.
- 49087 JENSEN, P. F. Denmark's production of processed food in 1962 and 1963. (Da) *Konserves Dybfrost* 24(2):18-20. 1966. 389.8 K835
- 49088 KAMINSKI, W. Ancillary activities of cold stores—economic considerations on Polish tests. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1237-1244. 1963, pub. 1965. TP490.15
English summary.
Refrigeration industry in Poland.
Includes discussion.
- 49089 KATO, S. Behaviour of gluten additive as a sticking and anti-shrinkage agent in prepared frozen food. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:795-800. 1963, pub. 1965. TP490.15
- 49090 KENNEDY, J. G. Colour and food products. *Food Process. Marketing* [London] 35(413):54-56. Feb. 1966. 389.8 F738
- 49091 KISS, I. Combined food preservation methods. (Hu) *Elelmezési Ipar* 20(1):14-19. Ref. Jan. 1966. 290.9 M57
English summary.
- 49092 KLOSE, A. A. Frozen foods—recent advances in science and technology. *Int. Congr. Refrig. Proc.*, 11th Congr., v.1:49-55. 1963, pub. 1965. TP490.15
- 49093 KOROVKIN, G. Deficiencies in the provision of storage facilities. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:55-59. Nov. 12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Includes agricultural products.
Translation from *Ekononicheskaya Gazeta* 35:33. Sept. 1965.
- 49094 LAGOUTTE, A., DALAS, J., and MAURICE, R. Survey of the conditions of tunnel-freezing for various foodstuffs. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1105-1114. 1963, pub. 1965. TP490.15
English summary.
Includes discussion.
- 49095 LOEW, G. Technology in nutrition. (Sp) *Inform. Grasas Aceites. Bol.* 3(2):3-9. Apr. 1965. 307.8 In3
- 49096 LORENZEN, R. T. A balancing technique for moisture control in structural components of controlled-atmosphere storages. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):505-507. 1965. 290.9 Am32T
- 49097 LUDWIG, K. G. Emulsifying agents in foodstuffs. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):1018-1025. Ref. Dec. 1965. 384 C422
English summary.
- 49098 MAILLARD, G. Frozen products. (Fr) *Consommation* 12(2):47-57. Apr./June 1965. 280.8 C7695
Industry.
- 49099 MATASA, C. New antifoaming agents used in the food industry. (Rum) *Indus. Aliment.* 16(7):360-364. Ref. July 1965. 389.8 In26
English summary.
- 49100 ANQUEZ, Planning for refrigeration equipment in tropical countries. (Fr) *Cameroun Agr. Past. Forest.* 90:28-31, map. Sept. 1965. 24 C353
For conservation of food.
- 49101 BAILEY, J. M. Cooperatives need strong base in frozen food field. *News Farmer Coop.* 32(11):3-5, 23. Feb. 1966. 166.2 N47
- 49102 BEBIC, D., and SIMONCIC, J. J. Contribution to a comparison study of internal transport and handling, between single and multi-story refrigerated warehouses. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1093-1098. 1963, pub. 1965. TP490.15
English summary.
Food.
Includes discussion.
- 49103 BHUTIANI, R. C. Central Food Technological Research Institute, Mysore. *Bharat Krishak Samaj. Year Book* 1964:555-557. 22 B46
- 49104 BIRCH, G. G., CLEATHER, A. G., and FORE, H. Emulsifiers and stabilisers. *Food Trade Rev.* 36(2):56. Feb. 1966. 389.8 F7334
- 49105 BOLCATO, V. A cell in the service of man. (It) *Agr. Venezie* 19(3):133-146. Mar. 1965. 16 Ag826
Yeasts in alcoholic fermentation.
- 49106 BROCHU, E. Food lyophilization. I. (Fr) *Quebec Lait. Aliment.* 24(6):12-14. June 1965. 44.8 Q3
- 49107 BROCHU, E. Food lyophilization. II. (Fr) *Quebec Lait. Aliment.* 24(7):13-15. July 1965. 44.8 Q3
- 49108 CARL, K. R., and STEPHENSON, K. Q. Effects of freezing rate on structure and drying rate of freeze-dried foods. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):414-416. 1965. 290.9 Am32T
- 49109 CHARLETT, S. M. Considerations in plant sterilisation. *Food Trade Rev.* 36(2):40-42. Feb. 1966. 389.8 F7334
- 49110 CUPER, O. Lyophilization. (Sp) *Inform. Grasas Aceites. Bol.* 3(2):11-16. Apr. 1965. 307.8 In3
Food.
- 49111 DALHOFF, E., and JUL, M. Factors affecting the keeping quality of frozen foods. *Int. Congr. Refrig. Proc.*, 11th Congr., v.1:57-66. 1963, pub. 1965. TP490.15
Includes discussion.
- 49112 NATICK freeze-drying plant. *Food Manufacture* 41(2):46-48. Feb. 1966. 389.8 F736
U. S. Army Natick Freeze-Drying Plant.
- 49113 NATIONAL CANNERS ASSOCIATION. 59th annual convention, Bal Harbour, Florida, January 23-26, 1966. *Canning Trade* 88(16):12, 14, 16, 18, 21-22, 24, 26-31, 34, 36-45. Feb. 7, 1966. 286.83 T67
Canning Machinery and Supplies Association, cooperating.
Report of the convention.
- 49114 OETJEN, G. W. Engineering problems and economical aspects of freeze-drying. *Int. Congr. Refrig. Proc.*, 11th Congr., v.1:91-102. 1963, pub. 1965. TP490.15
Food.
- 49115 ORSHAN, J. Cold storage of perishable foods in Israel. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1245-1249. 1963, pub. 1965. TP490.15
- 49116 PICHEL, W. Development of the frozen food industry in Italy. *ASHRAE (Amer. Soc. Heating, Refrig. Air-Cond. Eng.) J.* 8(3):80-81. Mar. 1966. 295.8 Am3
Condensed translation of article by G. Cesari in *Il Freddo*, Sept./Oct. 1965.
- 49117 PURANDARE, G. M., and RAO, G. S. Bibliography on antibiotics in food preservation (1956 to 1964). *Hindustan Antibiot. Bull.* 7(4):219-231. May 1965. 396.8 H58

- 49118 REIG, A., ALBERT, A., and NIEVAS, C. P. Experiments on the cold storage of foodstuffs, some of them giving off and others absorbing odours. Effect of the temperature of cold rooms on their deodorization. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:1155-1161. 1963, pub. 1965. TP490.15
English summary.
- 49119 ROBE, K. Improve flavor of pasteurized products. Food Process. Marketing [Chicago] 27 (3):84-86. Mar. 1966. 389.8 F7325
- 49120 ROBERT, P., and GANER, G. Complementary activities of cold stores: deep-freezing of fruit, vegetables and precooked food. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2: 1229-1235. 1963, pub. 1965. TP490.15
English summary.
Refrigeration industry in Hungary.
- 49121 SAVU, A., and BERCESECU, V. Contact freezing of foodstuffs and the direct control of manufacturing processes. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:1135-1139. 1963, pub. 1965. TP490.15
English summary.
- 49122 SCHWEIZERISCHE BANKGESELLSCHAFT. Switzerland economic survey 1965, with a statistical appendix. Schweiz. Bankgesellschaft. Bull. [Engl. Ed.] 5, 60 p. 1965. 284.9 Sch92Be
Includes the industries processing agricultural products.
- 49123 SINA, P. Influence of thiamine in the production of Vitamin B₁₂ by *Propionibacterium freudenreichii*. (It) Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.) 4(3):587-593. Ref. Dec. 1964. 16 M582
English summary.
- 49124 STEIN, M. Freeze-drying; the present position surveyed. Food Manufacture 41(2):51-54. Ref. Feb. 1966. 389.8 F736
- 49125 STEPP, J. M. Some economic aspects of industrial water supply in the South. N. C. State Univ. Agr. Policy Inst. Ser. 16:25-41. Ref. Aug. 1965. 281.9 N8122
- 49126 THEVENOT, R. Cold and agricultural products in industry and home planning. (Fr) Rev. Franc. Agr. 10:45-52. Autumn 1965. 281.8 R328
Refrigeration of foods: history.
- 49127 VEISSEYRE, R. Certain recent developments in food preservation. (Fr) Rev. Franc. Agr. 10:37-44. Autumn 1965. 281.8 R328
- 49128 WERRIN, M., and KRONICK, D. Salmonella control in hospitals. Amer. J. Nursing 66(3): 528-531. Ref. Mar. 1966. 448.8 Am323
Includes poisoned food.
- 49129 WOOLRICH, W. R. The economic impact of refrigerated food lockers and home freezers in North America. Int. Congr. Refrig. Proc., 11th Congr., v.3:1895-1903, map. 1963, pub. 1965. TP490.15
- 49130 ZAHRADEK, J. W., PERRY, J. S., and FANG, T. Y. A. Long term performance evaluation of an all-plywood C-A storage. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):443-444. 1965. 290.9 Am32T
- 49134 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Die Ernte wichtiger Feldfruchte 1965 nach Kreisen (Hulsenfruchte, Hackfruchte, Handelsgewachse, Rauhfutter, Grunmais und Stroh) [The harvest of important field crops 1965 according to districts (legumes, root crops, commercial plants, rough forage, green corn, and straw)]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 68, 389-417 p. Feb. 1, 1966. 265 St28
- 49135 BHARAT KRISHAK SAMAJ. Agricultural statistics. Bharat Krishak Samaj. Year Book 1964:473-514. 22 B46
- 49136 CANADA. DEPT. OF AGRICULTURE. PRODUCTION AND MARKETING BR. Crop and seasonal price summaries: fresh and processed fruits and vegetables maple products and honey, vol. 18, 1964-65, part I. Ottawa, 1965. 30 p. 284.39 C162S
- 49137 ESPIRITO SANTO. DEPT. ESTADUAL DE ESTATISTICA. Anuario estatístico [Statistical annual], No. 10, 1964. Vitoria, 1965. 171 p map. 255.3 Es6An
Agricultural statistics included.
- 49138 FARMER, B. M. A review of "Economic Effects of Acreage Control Programs in the 1950's" and "Some Economic Effects of Cotton Acreage Diversion in the Piedmont Area of Georgia and South Carolina, 1953-1955." N. C. State Univ. Agr. Policy Inst. Ser. 17:183-184. Apr. 1965. 281.9 N8122
- 49139 FEUERBACH, R. L., and MILLER, K. E. Trends in crops. Mo. Agr. Exp. Sta. SB 837, 40 p., map. Feb. 1966. 100 M693
Graphs and statistics for field crops, Missouri and United States.
- 49140 ILLINOIS. COOPERATIVE CROP REPORTING SERV. Illinois agricultural statistics; assessors' annual farm census, 1965. Springfield, Ill., 1965. 29 p., map. 252.23 C78
- 49141 ILLINOIS. COOPERATIVE CROP REPORTING SERV. Illinois county agricultural statistics: McLean County. Ill. Coop. Crop Reporting Serv. Bull. C-13, 45 p., map. July 1965. 252.23 C78Bu
- 49142 JANSEN, E. F. Influence of the soil bank on resource adjustment. N. C. State Univ. Agr. Policy Inst. Ser. 17:185-187. Apr. 1965. 281.9 N8122
- 49143 LANDWIRTSCHAFTSKAMMER SCHLESWIG-HOLSTEIN. Wirtschafts-Ergebnisse buchfuhrender landwirtschaftlicher Betriebe Schleswig-Holsteins [Economic results of accounting farms of Schleswig-Holstein], 1964/65. Kiel, 1965. 122 p., map. 265 L23
Agricultural statistics.
- 49144 LASOLA, T. Peltokasvien sadoista ja satomaa-riin vaikuttaneista tekijöistä ns. kylmilla asutustiloilla, v. 1959-1963 [On the crop yields and some factors affecting these on so-called cold farms 1959-1963]. Suomen Maataloustieteellinen Seura. Julkaisu 106.168 p., map. Ref. p. 155-162. 1965. 20 Su7
English summary.
- 49145 LEBERT, H. Estimates of the 1965 subjective method. (Sw) Jordbruksek. Medd. 28(1):5-11. Jan. 1966. 257.3 J76
English summary, p. 4.
- 49146 MAIER, H., and HELLER, F. Land use and harvest in Bavaria 1965. (Ge) Bayern Zahlen 20(2):48-55. Feb. 1966. 265 B34
Acreage and yields.
- 49147 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Anuario estatístico. Volume I, Metropole [Statistical annual. Volume I, Metropolis], 1964. Lisboa, 1965? 452 p., map. 264 F49A
Agriculture included.
- 49148 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Estatística agrícola [Agricultural statistics]. Lisboa, 1965. 238 p. 264 F49Ea
Text also in French.
- 49149 PUERTO RICO. PLANNING BOARD. 1964 statistical yearbook. n.p., 1965. 218 p. 252.74 Ag8
Includes agricultural products.

STATISTICS

- 49131 ALBERTA. DEPT. OF AGRICULTURE. Statistics of agriculture for Alberta, 1963 and 1964. Alberta. Dep. Agr. Publ. 121, 33 p., map. 1966. 7 AL12P
- 49132 ANTIOQUIA. DIRECCION DEPT. DE ESTADISTICA. Anuario estadístico de Antioquia [Statistical annual of Antioquia] 1964. Medellin, 1965. 350 p. 255.5 An8A
Statistics of agriculture and rural education included.
- 49133 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIAN OFF. Statistical register of Western Australia for 1963-64; statistical summary for 1829. Perth, 1965. 23 p. 271.9 R26S
Statistics for agriculture and trade are included.

- 49150 SCOTLAND. DEPT. OF AGRICULTURE AND FISHERIES. Agricultural statistics 1964: Scotland. Edinburgh, 1966. 76 p. 256.01 Sco82A
- 49151 SPAIN. INSTITUTO NACIONAL DE ESTADISTICA. Primer censo agrario de Espana, octubre de 1962 [First agricultural census of Spain, October 1962] 21,28. Madrid, 1964. 2 v.
Vol. 21, Huelva; Vol. 28, Madrid.
- 49152 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. SECRETARIAT. ECE/FAO AGRICULTURE COMMISSION. Review of the agricultural situation in Europe at the end of 1965. Volume I-II. New York, 1966. 2v. (ST/ECE/AGRI/19) 281.9 Un39
I, General survey, grain, livestock and meat; II, Dairy products and eggs. Statistical.
- 49153 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. OREGON. Statistical report, 1964. Portland, 1965? 58 p. A281.9 St13
- 49154 U. S. CROP REPORTING BOARD. Crop production, 1965 annual summary; acreage, yield, production, by States. Washington, 1965. 107 p. 1.941 F8Sel
Includes crop estimates.
- 49155 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Apure [Statistics of the State of Apure], 1964. Caracas, 1965. 50 p.,map. (EEA-65-030) 255.9 Ec74Ee
- 49156 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Bolívar [Statistics of the State of Bolívar], 1964. Caracas, 1965. 57 p.,map. (EEA-65-031) 255.9 Ec74Eg
- 49157 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Mérida [Statistics of the State of Mérida], 1964. Caracas, 1965. 50 p.,map. (EEA-65-024) 255.9 Ec74Eem
- 49158 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Sucre [Statistics of the State of Sucre], 1964. Caracas, 1965. 63 p.,map. 255.9 Ec74Ees
- 49159 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Táchira [Statistics of the State of Táchira], 1964. Caracas, 1965. 57 p.,map. (EEA-65-026) 255.9 Ec74Eet
- 49160 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Trujillo [Statistics of the State of Trujillo], 1964. Caracas 1965. 56 p.,map. (EEA-65-025) 255.9 Ec74Et
- 49161 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del Estado Zulia [Statistics of the State of Zulia], 1964. Caracas, 1965. 68 p.,map. (EEA-65-045) 255.9 Ec74Eez
- 49162 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del T. F. Amazonas [Statistics of the F. T. Amazonas], 1964. Caracas, 1965. 25 p.,map. (EEA-65-050) 255.9 Ec74Ea
- 49163 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas del T. F. Delta Amacuro [Statistics of the F. T. Delta Amacuro], 1964. Caracas, 1965. 34 p.,map. (EEA-65-049) 255.9 Ec74Ed
- 49164 VIETNAM. DEPT. OF AGRICULTURE. Nien-giam thong-ke nong-nghiep, 1964. Agricultural statistics yearbook, 1964. Saigon, 1965. 187 p.,map. 269 V672
- 49165 YOLO COUNTY (CALIF.), DEPT. OF AGRICULTURE. Yolo County agricultural crop report, 1965. Woodland, 1965. 20 p.,map. 252.09 Y7 Statistics.
- BEVERAGES AND CONDIMENTS
- 49166 ALEXIU, A. Measures of avoiding impurity of red wine of pure grape breeds caused by mixing with the wine of hybrids. (Rum) Rev. Gosp. Agr. Stat 17(8):14,17. Aug.1965. 21 R32
- 49167 BARROS, O. Cacao. (Sp) Agr. Trop. 21(11): 641-644. Nov.1965. 26 Ag8
Industry in Colombia.
- 49168 BECK, H. Vines and wines on postage stamps. Wynboer. Feb.1966:15. 390.8 W724
- 49169 BRAUDEAU, J. Problems posed by the evaluation of the organoleptic characteristics of cacao. (Fr) Ann. Nutr. Aliment. 19(6):A555-A569. Ref. 1965. 389.8 An73
- 49170 CABECAS, J. D. S. Considerations on grape and wine production of Alentejo. (Por) Granja [Lisboa] 23(1/2):9-24. Jan./June 1964. 15.5 G76
- 49171 CALDECOTT, D. M. Use of refrigeration in the wine industry. Australian Refrig. Air Cond. Heating 20(2):27,30-31,35. Feb.1966. 295.8 R255
- 49172 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 38(418):1394-1427. (Cont.) Ref. Dec.1965. 390.8 B87
National reports on oxidation-reduction phenomena in the course of wine ripening and aging and procedures for modifying them; Portugal, by M. da C. Ramos, and M. P. de Azevedo; Spain, by J. F. Casas Lucas.
- 49173 CUMMING, D. Liquid spices in preserved foods. Glass Packer/Processor 45(1):34-35. Jan.1966. 309.8 G463
- 49174 DEIBNER, L., and CABIBEL-HUGUES, M. Investigations on the separation of the dinitrophenylhydrazones from the keto acids in grape juices and wines, by cellulose thin layer chromatography, with the purpose of their dosage by electrophotometry. (Fr) Ann. Technol. Agr. 14 (4):331-340. Ref. 1965. 14 F8499An
English summary.
- 49175 DEUTSCHER BRAUMEISTER- UND MALZMEISTER-BUND. Jahrbuch [Yearbook], 1964. Dortmund, 1965. 184 p. 390.9 D48
- 49176 DOLABERIDZE, M. Tea and citrus situation in Georgia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:1-4. Mar.10,1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Translation from Zarya Vostoka, p.3. Jan.20, 1966.
- 49177 EAST AFRICAN INDUSTRIAL RESEARCH ORGANIZATION. Annual report 1963-1964. Nairobi, Kenya, 1965? 18 p. 280.9 Ea7A
Includes coffee processing and agricultural engineering.
- 49178 FEDERAL WINE AND BRANDY PRODUCERS' COUNCIL OF AUSTRALIA. Annual report, December, 1964. Kensington, 1964. 56 p. 390.9 Au7
- 49179 FRAPSAUCE, M. Circular of indirect contributions No. 24 of 8 February 1965 on the organization of wine market in the course of the harvest of 1964-1965. (Fr) France. Inst. Nat. Appellations Origine Vins Eaux-de-Vie. Bull. 93:134-166. Apr.1965. 390.9 F843
In France.
- 49180 FULLER, W. L., and BERG, H. W. Treatment of white wine with nylon 66. Amer. J. Enol. Viticult. 16(4):212-218. Oct./Dec.1965. 390.9 Am33
- 49181 GEISS, W. Biological stabilisation in bottling wine and fruit juices. Food Indus. S. Afr. 18 (9):37,39,41-43,45. Jan.1966. 389.8 F7372
Microorganisms from bottles.

- 49182 GHERMAN, M. Yeasts of various genera and species used in wine manufacture for the regulation of acidity. (Rum) Gradina Via Livada 14(8):36-41. Ref. Aug.1965. 80 G75
- 49183 GLOETZL, J. Contributions to the technology of wort extraction with the straining vat. (Ge) Brauwelt 106(6/7):69-76. Jan.20/25,1966. 390.8 B732
- 49184 GOMBERT, J. Thoughts on brewing in Europe. (Du) Nat. Inst. Brouwerst, Mout Bier-T.N.O. Jaarb. 30:27-49. 1966. 390.9 N21
- 49185 GRIMMER, G., and HILDEBRANDT, A. Content of polycyclic hydrocarbons in coffee and tea. 4. (Ge) Deut. Lebensmittel-Rundsch. 62(1):19-21. Ref. Jan.1966. 389.8 D482
- 49186 GUILHEM, L. DE. Reasonable equipment for wine cellars. (Fr) Coop. Agr. [Paris] 12(137):27-28. June 1965. 280.28 C78972
- 49187 GUYMON, J. F., and CROWELL, E. A. The formation of acetoin and diacetyl during fermentation, and the levels found in wines. Amer. J. Enol. Viticult. 16(2):85-91. Ref. Apr. June 1965. 390.9 Am33
- 49188 HAHN, R. R. Sorghum as a brewing adjunct. Brewers Dig. 41(3):70-74. Mar.1966. 390.8 B75
- 49189 IONESCU, A. I. On the use of some terms in enology. (Rum) Gradina, Via Livada 14(6):44-50. July 1965. 80 G75
- 49190 ISEBAERT, L. Brewing tests on the influence of the Winer process in the field of beer aroma and bitterness. (Du) Int. Tijdschr. Brouwerij Mouterij 24(6):173. 1964/65. 390.8 R32Af
- 49191 JAULMES, P., BRUN, S., and LAVAL, J. P. Alcoholometric titer by refractometry. (Fr) Ann. Fals. Expertise Chim. 58(668):304-310. Oct./Dec.1965. 389.8 An72
Wine and cider.
- 49192 JONG, B. DE. Malting and brewing tests on an industrial scale with barley races of the 1964 crop. (Du) Nat. Inst. Brouwerst, Mout Bier-T.N.O. Jaarb. 30:50-66. 1966. 390.9 N21
English summary.
- 49193 JURUBITA, J., and MATRAN, C. Types of wine for champagne. (Rum) Gradina Via Livada 14(9):55-58. Sept.1965. 80 G75
English summary.
- 49194 KIRTISINGHE, D., and DE SILVA, R. L. Investigations on the effect of some foliar fungicidal sprays on certain properties of made tea. Ceylon. Tea Res. Inst. Tea Quart. 36(3):112-114. Ref. Sept.1965. 68.18 C33
Chiefly copper fungicidal sprays.
- 49195 KUNKEE, R. E., PILONE, G. J., and COMBS, R. E. The occurrence of malo-lactic fermentation in southern California wines. Amer. J. Enol. Viticult. 16(4):219-223. Ref. Oct./Dec. 1965. 390.9 Am33
- 49196 KUWABARA, Y., and others. Studies on the storage of plucked tea leaves. 1-6. (Ja) Jap. Tea Res. Sta. Stud. Tea 31:59-86. Ref. Nov. 1965. 68.18 Ok3
T. Takeo, R. Saijo, and T. Sato, joint authors.
English summary.
- 49197 LAFON-LAFOURCADE, S., and PEYNAUD, E. The evolution of pyruvic acid and alpha ketoglutaric acid during fermentation of alcoholic beverages. (Fr) Acad. Sci. Compt. Rend. 261(7):1778-1780. Aug.18,1965. 505 P21
Beer, cider and wine.
- 49198 MARESCALCHI, C. Grapes and wine in Green Plan No. 2. (It) G. Agr. 76(8):83. Feb.20,1966. 16 It1G
- 49199 MAZZA, B. Valtellina wines at the fourth wine show in Pavia. (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna 18(9):12-14. Sept.1965. 287 So5
- 49200 MEHLITZ, A., and TREPTOW, H. The effects of pyrocarbonic acid diethyl ester (PCE) on enzymes; preliminary report. (Ge) Indus. Obst- Gemuseverwertung 51(3):65-66. Feb.3, 1966. 389.8 K832
Used in sterilization of fruit juices and beverages.
- 49201 MENCHU, J. F. Good harvests and yield capability of the farms. (Sp) Rev. Cafetalera 46:21-22. June 1965. 68.28 R322
On processing coffee right after harvest.
- 49202 MENCHU, J. F. Moist processing of 400 quintals of Maduro coffee daily. (Sp) Rev. Cafetalera 47:20-23. July 1965. 68.28 R322
- 49203 MERWIN, E. J. The use of polyethylene containers for flavoring materials. Givaudan Flavorist 4:1-5. 1964. 308.8 G44
- 49204 MIHALCA, A. Technological aspects of the application of potassium ferricyanide in the clarification of big quantities of wine. (Rum) Gradina, Via Livada 14(4):44-49. Apr.1965. 80 G75
English summary.
- 49205 MORETTI, R. H., and BERG, H. W. Variability among wines to protein clouding. Amer. J. Enol. Viticult. 16(2):69-78. Ref. Apr. June 1965. 390.9 Am33
- 49206 NUREMBERG, VERSUCHSANSTALT FUR BI-ERBRAUEREI. Annual report 1965. (Ge) Brauwelt 106(11):147-153. Feb.8,1966. 390.8 B732
- 49207 NUTZEL, R. The professional school, an important factor in the vocational education for the brewing industry. (Ge) Brauwelt 106(10):131-132. Feb.3,1966. 390.8 B732
- 49208 NYERGES, MRS. P., and LEHOCZKY, J. Influence of fungicides applied in viticulture on fermentation of must. (Hu) Novenytermeles 14(4):365-376. Ref. Dec.1965. 64.8 N76
English summary.
- 49209 OUGH, C. S., and AMERINE, M. A. Studies with controlled fermentations. IX. Bentonite treatment of grape juice prior to wine fermentation. Amer. J. Enol. Viticult. 16(4):185-194. Ref. Oct. Dec.1965. 390.9 Am33
- 49210 PATO, O. Green wine in its health, social, and economic aspects. (Por) Granja [Lisboa] 24(1/2):1-25. Ref. Jan./June 1965. 15.5 G76
- 49211 PATO, O. Wine in its immaterial aspect. (Por) Granja [Lisboa] 23(1/2):1-7. Jan./June 1964. 15.5 G76
- 49212 PILONE, B. F., and BERG, H. W. Some factors affecting tartrate stability in wine. Amer. J. Enol. Viticult. 16(4):195-211. Ref. Oct./Dec. 1965. 390.9 Am33
- 49213 PILONE, G. J., and KUNKEE, R. E. Sensory characterization of wines fermented with several malo-lactic strains of bacteria. Amer. J. Enol. Viticult. 16(4):224-230. Ref. Oct. Dec. 1965. 390.9 Am33
- 49214 PRODAN, G., and DUMITRESCU, I. The manufacture of ciders. (Rum) Gradina Via Livada 14(5):55-66. May 1965. 80 G75
- 49215 PUISAIS, J. Wine industry in Tours; harvest of red vintage, treading and pressing. (Fr) France. Inst. Nat. Appellations Origine Vins Eaux-de-Vie. Bull. 93:14-24. Apr.1965. 390.9 F843
- 49216 RIBEREAU-GAYON, P., and NEDELTCHEV, N. Discussion and application of modern methods of determining the anthocyanins and tanins content of wine. (Fr) Ann. Technol. Agr. 14(4):321-330. Ref. 1965. 14 F8499An
English summary.
- 49217 RIBEREAU-GAYON, P., and STONESTREET, E. Occurrence and importance of catechin, leucoanthocyanidins and tannins in red wines. (Ge) Deut. Lebensmittel-Rundsch. 62(1):1-5. Ref. Jan.1966. 389.8 D482
- 49218 RIBEREAU-GAYON, P., and SAPI, J. The presence of tyrosol, tryptophol, phenylethyl alcohol and gamma-butyrolactone in wine, secondary products of alcohol fermentation. (Fr) Acad. Sci. Compt. Rend. 261(8):1915-1916. Ref. Aug.23,1965. 505 P21
- 49219 RICE, A. C. The malo-lactic fermentation in New York State wines. Amer. J. Enol. Viticult. 16(2):62-68. Ref. Apr./June 1965. 390.9 Am33

- 49220 RODRIGUEZ G., A. Coffee. (Sp) Agr. Trop. 21(11):645-649. Nov.1965. 26 Ag8
Industry in Colombia.
- 49221 SACHET, H. Behenic acid tryptamide, a component of cacao shells. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(5):264-267. Ref. 1965. 384 Z39
- 49222 SPEIGHT, W. L. The strongest drink in the world. Wine, Spirit Malt 35(1):18-19. Jan. 1966. 390.8 W725
Elixir Vegetal of the Grande-Chartreuse, of Voiron.
- 49223 STANESCU, C. Disk for estimating the biological stabilization index of wine. (Fr) Office Int. Vigne Vin. Bull. 38(418):1428-1429. Dec. 1965. 390.8 B87
- 49224 STURM, W. Vacuum packaging of coffee in flexible foil laminates. Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):157-162. 1965. 389.9 Sw6
- 49225 TEODORESCU, S. C., and SEPTILICI, G. Means of the reduction of sulfuric anhydride in the biological clarification of wine. (Rum) Gradina Via Livada 14(9):47-54. Ref. Sept. 1965. 80 G75
- 49226 TERCELJ, D. The study of nitrogenous compounds in wine. (Fr) Ann. Technol. Agr. 14(4):307-319. Ref. 1965. 14 F8499An
English summary.
- 49227 TORII, H., and OTA, I. Improvement of official chemical analysis of tea. 1. Examination of total nitrogen determination. (Ja) Jap. Tea Res. Sta. Stud. Tea 31:124-131. Nov.1965. 68.18 Ok3
English summary.
- 49228 TRANCOSO VAZ, J. Impressions of Brazilian coffee culture. (Por) Gaz. Agr. Angola 10(12):675-677.683. Dec.1965. 24 G252
Industry.
- 49229 TREPTOW, H. Pyrocarbonic acid diethyl ester (PCE), a technical aid to preservation of bottled fruit juices, fruit juice beverages, lemonades, and fruit wines. (Ge) Indus. Obst- Gemuseverwertung 51(3):74-76. (Cont.) Feb.3,1966. 389.8 K832
- 49230 WEBB, A. D., and GALETTO, W. Analyses of some California wine vinegars: volatile acidities, tartrates, and absorbances at 280 millimicrons. Amer. J. Enol. Viticult. 16(2):79-84. Ref. Apr./June 1965. 390.9 Am33
- 49231 WEHNER, H. G. Marketing board performance in primary producing countries: a case study. Econ. Int. 18(4):695-718. Ref. Nov.1965. 280.8 Ec728
Effect of price policies of the Ghana Cocoa Marketing Board on the national economy.
- 49232 WILBAUX, R. Problems posed by the evaluation of coffee quality. (Fr) Ann. Nutr. Aliment. 19(6):A537-A554. Ref. 1965. 389.8 An73
- 49233 WINE INSTITUTE. Twenty-ninth annual wine industry statistical survey. IV. Wine Inst. Bull. 1369,21 p. Feb.28,1966. 390.9 W72
- 49234 WOOTTON, A. E. Work in progress at the East African Industrial Research Organization. Kenya Coffee 30(358):439-441. Oct.1965. 68.29 C652
Research in coffee processing, including quality and aroma.
- 49235 BELANGER, G. Again the cottage cheese. (Fr) Quebec Lait. Aliment. 24(7):16-17,30. July 1965. 44.8 Q3
Manufacture.
- 49239 BO, S. 1965 is a good year for the dairy industry in Finmark. (No) Meieriposten 55(9):178-183. Mar.5,1966. 44.8 M47
- 49240 CLAASSENS, J. W. Activities of the Department of Dairy Science and Technology. Faculty of Agriculture, University of the Orange Free State. Dairy Indus. J. Southern Afr. 5(1):46-47. Jan./Mar.1965. 44.8 D1428
- 49241 CLAASSENS, J. W. Aspects of dairy education in the Republic of South Africa. (Af) Dairy Indus. J. Southern Afr. 5(1):15,17,19,21,23,25, 27. Jan./Mar.1965. 44.8 D1428
- 49242 DUMAIS, R. Training of personnel qualified for dairy industry. (Fr) Quebec Lait. Aliment. 24(7):10-12. July 1965. 44.8 Q3
- 49243 ENGLISH, R. E. The outlook for cattle. Alberta Farm. Econ. 4(1):3. Winter 1966. 281.8 AL12
Dairy industry.
- 49244 ERHART, G. Situation and outlook of the Austrian dairy industry. (Ge) Deut. Molk.-Zeitung 87(5):139-143. Feb.3,1966. 44.8 Su2
- 49245 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Interim report: the economic impact of dairy development in developing countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/3,51 p. Apr.20,1965. 389.9 F7354Co
Industry.
- 49246 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. A review of cheese production, consumption and trade in some developed countries. Food Agr. Organ. UN. Comm. Bull. Ser. 41,172 p.,map. Ref. 1966. 389.9 F735Cs
- 49247 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. A five year review of national dairy policies, 1959-1963. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/1,23 p. Mar.29,1964. 389.9 F7354Co
Includes marketing and consumption of dairy products.
- 49248 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. General features of the cheese economy of developed countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/2,14 p. Mar.16,1965. 389.9 F7354Co
- 49249 GEYER, J., HEDRICK, T. I., and HALL, C. W. Ice cream and other frozen desserts in the USA. Dairy Indus. 31(2):103-106. Ref. Feb. 1966. 44.8 D1427
- 49250 GUIMARAES, P. Study trip of a group of dairy technicians to the United States. (Por) Inst. Laticínios Candido Tostes. Rev. 20(120):5-22. (Cont.) May/June 1965. 44.8 F33
- 49251 HERMANN, M. N. Aspects of the dairy industry in West Germany. (Af) Dairy Indus. J. Southern Afr. 5(2):55,57,59,61. Apr./June 1965. 44.8 D1428
- 49252 HERREID, E. O. Status of the Journal of Dairy Science for 1965. J. Dairy Sci. 48(12):1722-1724. Dec.1965. 44.8 J822
- 49253 HOPPE, G. Personnel and educational planning for milk plants. (Ge) Deut. Molk.-Zeitung 87(8):279-284. Feb.24,1966. 44.8 Su2
- 49254 INGRAM, A. European plant design. Milk Dealer 55(6):M-10,M-12-M14. Mar.1966. 44.8 M595
- 49255 KOSAKA, Y. A model analysis of the dairy industry of Japan. (Ja) Shinshu Univ. Fac. Agr. J. 3(4):317-353. Ref. Dec.1965. 107.6 M41
English summary.
Demand, production and pricing of milk in Japan.
- 49256 LOCATELLI, E. The policy of the Community in the dairy-cheese sector. (It) Agr. Venezia 19(3):119-132. Mar.1965. 16 Ag826

DAIRY PRODUCTS

- 49257 LOMBARD, S. H. Activity of the Department of Dairying, University of Pretoria, during 1964. (Af) Dairy Indus. J. Southern Afr. 5(1): 45. Jan./Mar. 1965. 44.8 D1428
- 49258 LUCK, H. Research and development of the dairy industry in Europe. Dairy Indus. J. Southern Afr. 5(1):7,9,11,13,15. Jan./Mar. 1965. 44.8 D1428
Includes discussion.
- 49259 MASSEY UNIVERSITY OF MANAWATU. Dairy-farming annual 1965; including the proceedings of the seventeenth annual meeting of dairy farmers conducted by Massey University of Manawatu, May 26 to 27, 1965. Wellington, 1965. 147 p. 44.9 M382
- 49260 MCCORMICK, V. Why isn't production of milk increasing? Butter-fat 43(6):5-7. Feb./Mar. 1966. 44.8 B98
Situation in Canada.
- 49261 NILSEN, A. Short report on the dairy industry in North-Norway in 1965. (No) Meieriposten 55(7):141-144. Feb. 19, 1966. 44.8 M47
- 49262 NOOMEN, A. French cheese; foreign opinions. (Fr) Indus. Lait. 223:373-377. July/Aug. 1965. 44.8 In2
- 49263 O'NEILL, P. Current legal problems in the dairy industry. Dairy Indus. 31(2):114-115, 126. Feb. 1966. 44.8 D1427
Includes discussion.
- 49264 POTTS, A. K. Milk in the Philippines. Dairy Top. 10(2):10-11. Mar./Apr. 1965. 44.8 D1444
- 49265 PRACHE, J. M. Fruitful collaboration is established between milk control and dairy-men. (Fr) Indus. Lait. 223:378-380. July/Aug. 1965. 44.8 In2
- 49266 ROTH, A. G. History of cheese; new material from old papers. (Ge) Schweiz. Milchzeitung 92(9):66. (Cont.) Feb. 1, 1966. 44.8 Sch92
- 49267 ROTH, A. G. History of cheese; new material from old papers. (Ge) Schweiz. Milchzeitung 92(10):72. (Cont.) Feb. 4, 1966. 44.8 Sch92
- 49268 ROTH, A. G. History of cheese; new material from old papers. (Ge) Schweiz. Milchzeitung 92(11):81. (Cont.) Feb. 8, 1966. 44.8 Sch92
- 49269 SCHULZ, M. E. Prelude to Munich. Dairy Indus. 31(2):112-114. Feb. 1966. 44.8 D1427
Includes discussion.
- 49270 SHAW, L. W. Dairying in the land of Sheba. Dairy Indus. 31(2):110-111, map. Feb. 1966. 44.8 D1427
- 49271 SHLECHTY, D. L. Record 1965 butter output creates growing EEC [European Economic Community] surplus. Foreign Agr. Incl. Foreign Crops Markets 4(6):9, 15. Feb. 7, 1966. A281.9 F76Fo
- 49272 SOUTH AFRICAN CREAMERIES ASSOCIATION. Annual report of the chairman, Mr. J. G. Van Der Horst to the twenty-second annual general meeting, held in Johannesburg on 21st April, 1965. Dairy Indus. J. Southern Afr. 5(2):93, 95-96. Apr./June 1965. 44.8 D1428
- 49273 SVENSKA MEJERIERIERNAS RIKSFORENING CENTEALLABORATORIUM. SMR:s Central-laboratorium [The Central Laboratory of the Swedish Dairy Association], 1964. Halsingborg, 1965. 55 p. 44.9 Sv2
- 49274 THOM, E. Industry trends in Canada. Ice Cream Rev. 49(7):M6-M8. Feb. 1966. 389.8 Ic22
Dairy industry.
- 49275 TREHANE, W. R. The importance of adequate funds. Int. Dairy Fed. Annu. Bull. 1965(5):148-165. 44.9 In82A
Outlook of milk and dairy products industry and investments for promotion.
Includes discussion.
- 49276 VATNE, D. Report on the dairy industry on the West coast in 1965. (No) Meieriposten 55(9): 191-192. Mar. 5, 1966. 44.8 M47
- 49277 VIASNOFF, N. Situation of the French peasant within the European Common Market in the Bourgogne dairy industry. (Fr) Tech. Lait. 21(488):10-12. July 10, 1965. 44.8 Of2
- 49278 VIRGINIA STATE DAIRYMEN'S ASSOCIATION. Fifty eighth annual convention, Jan. 28-29, 1965, Roanoke, Virginia. Roanoke, 1965. 104 p 44.9 V81A
Includes directory.
- 49279 WEST, D. A. Spatial equilibrium analysis as applied to the dairy industry of the Northeastern and North Central Regions. N. C. State Univ. Agr. Policy Inst. Ser. 17:161-169. Apr. 1965. 281.9 N8122
- 49280 ZARATTINI, A. The typical Grana cheese is Parmigiano-Reggiano. (It) Reggio Emilia. Cam. Com. Indus. Agr. Rass. Econ. 20(6):3-7. June 1965. 287 R26
- 49281 ZIPFEL, W. "Delikat," an imitation dairy spread from curds and margarine. (Ge) Deut. Lebensmittel-Rundsch. 62(1):21-22. Ref. Jan. 1966. 389.8 D482

Analysis and Composition

- 49282 ALBONICO, F., and others. Research on hypoacidic milk with slow rennet coagulation produced on the Po Plain; survey conducted in 1964. (It) Latte 39(11):831-843. Nov. 1965. 44.8 L35
L. Gianani, F. Prati, S. Saracchi, F. Semenza, G. Volonterio, and A. Zanini, joint authors.
- 49283 BERTOLANI, G., and CAVIOLI, E. Determination of sodium in milk. (It) Latte 39(10): 759-760. Ref. Oct. 1965. 44.8 L35
- 49284 BLANC, B., and PILET, P. Effect of beta indolylactic acid on the growth of Lactobacillus bulgaricus. (Fr) Acad. Sci. Compt. Rend. 26 (13):2509-2512. Ref. Sept. 27, 1965. 505 P21
- 49285 BOTTAZZI, V. Lactic enzymes; chemical composition of the cells and differentiation of lactic enzymes. (It) Riv. Latte 21(6):1-24. Ref. p. 21-24. Nov./Dec. 1965. 280.38 R52
- 49286 BRAUNSDORF, K. Contribution to the study of goat's milk. (Ge) Nahrung 9(7):745-750. 1965. 389.8 N142
English summary.
Composition.
- 49287 CANUTI, A., and BERTOLA, P. Instrumental analysis applied to the rapid observation of milk on the platform. (It) Latte 39(10):747-758. Oct. 1965. 44.8 L35
- 49288 COLMENAR, M. L., CARBALLIDO, A., and GARCIA-OLMEDO, R. Comparative spectrophotometric study of cow, sheep, and goat's milk fats. (Sp) An. Bromatol. 17(4):389-411. Ref. 1965. 389.8 An1
English summary.
- 49289 DELLAMONICA, E. S., and others. Effect of season on the whey protein nitrogen distribution of pooled milk. J. Dairy Sci. 48(12): 1585-1590. Ref. Dec. 1965. 44.8 J822
T. F. Holden, M. J. Calhoun, and N. C. Aceto, joint authors.
- 49290 DEVOGELAERE, R., and NAUDTS, M. Content of proteins of milk mixture by testing with formol. (Fr) Belg. Lait. 108:27-28. Mar. 1966. 44.8 B412
- 49291 ENGST, R., and WOGGON, H. The absorption of traces of heavy metals in canned condensed milk. (Ge) Nahrung 9(8):889-898. 1965. 389.8 N142
English summary.
- 49292 FEILS, G. Experiences in determination of bacterial count in pasteurized drinking milk. (Ge) Arch. Lebensmittelhyg. 17(1):8-11. Ref. Jan. 1966. 41.8 L49
- 49293 FLEISCHMANN, K., THIERER, H., and CAPELLARI, K. A contribution to the accuracy of the titer estimation of coliform bacteria. (Ge) Deut. Mol.-Zeitung 87(4):108-110. Jan. 27, 1966. 44.8 Su2
In milk.
- 49294 FLEISCHMANN, K. Remarks on the accuracy of titer determination of coliform bacteria. (Ge) Deut. Mol.-Zeitung 87(5):146-148. Feb. 3, 1966. 44.8 Su2

- 49295 GASSER, F., and SEBALD, M. Base contents of lactobacilli DNA. (Fr) Inst. Pasteur. Ann. 110(2):261-275. Ref. Feb.1966. 44.8 An75
For the identification of lactobacilli.
- 49296 GIESE, W. Determination of Sr90 in milk by measurement of Y90 before the development of Sr90-Y90 equilibrium. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):622-628. Ref. Dec. 1965. 41.8 Z52
English summary.
- 49297 GIROUX, R. N. Definition of milk fat as a function of the content of fatty acids. (Fr) Quebec Lait. Aliment. 25(2):16,18,20-21,28. Ref. Feb.1966. 44.8 Q3
- 49298 GUALLINI, L., and NANI, S. Determination and persistence of milk in Rifomycin SV (preliminary note). (It) Latte 39(11):844-846. Ref. Nov.1965. 44.8 L35
English summary.
- 49299 HANNI, H., and SCHMID, A. Determination of the protein content of milk tests. (Ge) Schweiz. Milchzeitung 92(12):85-87. Ref. Feb.11,1966. 44.8 Sch92
- 49300 HELDMAN, D. R., HALL, C. W., and HEDRICK, T. L. Equilibrium moisture of dry milk at high temperatures. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):535-537,541. Ref. 1965. 290.9 Am32T
- 49301 JOHNSON, J. E., WILSON, D. W., and WARD, G. M. The appearance of iodine-131 and barium-lanthanum-140 in fallout due to the second Chinese nuclear test. Radiol. Health Data Rep. 7(1):1-2. Jan.1966. 151.65 R11
In milk.
- 49302 KEENEY, P. G., and MAGA, J. A. Factors affecting composition and yield of a foam fraction recovered from ice cream. J. Dairy Sci. 48(12):1591-1596. Ref. Dec.1965. 44.8 J822
With and without emulsifiers.
- 49303 KING, N. Dispersibility and reconstitutability of dried milk. Dairy Sci. Abs. 28(3):105-118. Ref. Mar.1966. 241 Im76
Review of the literature.
- 49304 KINTNER, J. A., and DAY, E. A. Major free fatty acids in milk. J. Dairy Sci. 48(12):1575-1581. Ref. Dec.1965. 44.8 J822
- 49305 KURMANN, J. A. The methylene blue reduction test, a simple activity test for the preparation and research of Streptococcus starters in cheese manufacture. (Ge) Deut. Molk.-Zeitung 87(9):324-325. Mar.3,1966. 44.8 Su2
- 49306 KUZDZAL, S. Contribution to the study of the origin of fatty acids in butter. (Fr) Rev. Franc. Corps Gras 12(7):461-469. Ref. July 1965. 307.8 R32
English summary.
- 49307 LABUSCAGNE, J. H. The alcohol test as a determining test for milk. (Af) Dairy Indus. J. Southern Afr. 5(2):76-81. Ref. Apr./June 1965. 44.8 D1428
- 49308 LARDELLI, G., and others. A new gamma lactone found in butter. Rec. Trav. Chim. Pays-Bas 85(1):43-55. Ref. Jan.1966. 385 R24
G. Dijkstra, P. D. Harkes, and J. Boldingh, joint authors.
- 49309 MACKINLAY, A. G., HILL, R. J., and WAKE, R. G. The action of rennin on κ -casein. Biochim. Biophys. Acta 115(1):103-112. Ref. Jan.25,1966. 381 B522
Includes typing of cows for genetic variants of kappa-casein.
- 49310 MARQUARDT, R. R., and FORSTER, T. L. Titrimetric procedure for assay of milk aryl-esterase activity. J. Dairy Sci. 48(12):1602-1606. Ref. Dec.1965. 44.8 J822
- 49311 MILLER, R. M., STINE, C. M., and HARMON, L. G. The effect of monoglycerides on the properties of Neufchatel and Creamed cheese. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):231-237. Nov.1965. 100 M58S
- 49312 NAGASAWA, T., RYOKI, T., and KUDO, T. Studies on the phospholipids in cow's and human milk. 2. Quantitative analysis of phospholipids by thin layer chromatography. (Ja) Jap. Soc. Food Nutr. J. 18(5):55-58. Ref. 1966. 389.9 J27
English summary.
- 49313 NEFF, E. Quality testing of raw milk supplies. Dairyfarming Dig. 12(6):15-18. Nov./Dec.1965. 44.8 D1443
- 49314 NILSSON, R., and BOCKELMANN, I. VON. Reduktasprovets användbarhet för bedomning av den tankhamtade mjölakens bakteriologiska kvalitet. The use of the methylene blue reduction test for assessing the bacteriological quality of bulk collected milk. Svenska Mejerier-nas Riksfor. Produkttekn. Adv. Medd. 83,26 p. Ref. 1965. 44.9 Sv23
English summary.
- 49315 OVERBY, A. J., and KROUN, H. Investigation of changes in content of total number of bacteria and in coliform bacteria in ice cream during storage. (Du) Mælkeritidende 79(7):129-136. Feb.18,1966. 44.8 M26
- 49316 ROESLER, H. Behaviour of polyphosphates in processed cheese. (Ge) Milchwissenschaft 21(2):104-107. Feb.1966. 44.8 M5933
English summary.
- 49317 SAMUELSSON, E. G. Determination of trace amounts of copper in milk by neutron activation analysis. Milchwissenschaft 21(1):31-35. Ref. Jan.1966. 44.8 M5933
- 49318 SCARLET, C. A. Routine methods for the demonstration and determination of antibiotics in milk. (Du) Misset's "Zuivel" 71(22):504-505, 507-508. June 1,1965. 44.8 N282
- 49319 SCHNEIDER, R., and JASPER, D. E. The influence of the working factor and cell content on the precision of microscopic counts of milk somatic cells. J. Milk Food Technol. 29(2):49-52. Feb.1966. 44.8 J824
- 49320 SCHOTZ, F., ABO-ELNAGA, I. G., and KANDLER, O. The structure of mesosomes of Lactobacillus corynoides. (Ge) Z. Naturforsch. 20b(8):790-794. Ref. Aug.1965. 474 Z3
English summary.
Isolated from pasteurized milk.
- 49321 SENFT, B. Determination of milk fat content with the Milkotester. (Ge) Tierzuchter 18(5):134-136. Mar.5,1966. 49 T445
- 49322 SIMETSKII, O. A. Comparative evaluation of methods in determination of antibiotics in milk. (Rus) Veterinariya 1:102-103. Jan.1966. 41.8 V6426
Especially use of tetrazolium compounds.
- 49323 SIRBULESCU, V. Concerning the determination of protein content of milk and the possibility of payment for the milk when considering this criterion as well. (Rum) Indus. Aliment. 16(7):350-353. Ref. July 1965. 389.8 In26
English summary.
- 49324 SWOPE, F. C., and BRUNNER, J. R. Identification of ribonucleic acid in the fat-globule membrane. J. Dairy Sci. 48(12):1705-1707. Dec.1965. 44.8 J822
- 49325 TOLLE, A., ZEIDLER, H., and HEESCHEN, W. A method of electronic cell count in milk. (Ge) Milchwissenschaft 21(2):93-98. Feb.1966. 44.8 M5933
English summary.
- 49326 WHITE, J. C. Ancient attitudes toward milk. Amer. Dairy Rev. 28(2):40,85-87. Feb.1966. 44.8 Am38
Milk chemistry.
- 49327 YAZICIOGLU, A., and YILMAZ, N. Studies on the microflora of yoghurt and its antimicrobial action. (Ge) Milchwissenschaft 21(2):87-92. Ref. Feb.1966. 44.8 M5933
English summary.

Consumption and Utilization

- 49328 CORLEY, E. M., JANZEN, J. J., and KERR, H. W. Consumer preference for modified whole beverage milks in South Carolina. S. C. Agr. Exp. Sta. Bull. 522, 25 p. Dec. 1965. 100 So8
Chiefly as regards fat and solids-not-fat.
- 49329 WARE, D. W. Changing patterns in food consumption. Can. Dairy Ice Cream J. 45(3):20. 23.25. Mar. 1966. 44.8 C162
Dairy products in Canada.

Distribution, Marketing, and Transportation

- 49330 CAMPOS, L. C. Milk and rural roads. (Por) Inst. Laticinios Candido Tostes. Rev. 20(120): 30-31. May, June 1965. 44.8 F33
- 49331 ETAVE, J. From producer to transformer. (Fr) Avenir Agr. 6:11-19. Nov./Dec. 1965. 14 Av32
Includes milk collecting and processing equipment.
- 49332 EUROPEAN ECONOMIC COMMUNITY. L'organisation du marche du lait de consommation dans les etats membres de la CEE [The organization of the consumer milk market in the member states of the E.E.C.]. Europe. Econ. Community. Etudes. Ser. Agr. 20, 50 p. 1965. 281.9 Eu7
- 49333 GRAF, T. F. What will be the nature of milk marketing in the United States? (Fr) Quebec Lait. Aliment. 24(6):23-25. June 1965. 44.8 Q3
- 49334 GRECHUTA, M., and ZAMBRZYCKI, W. Transport of milk in insulated containers, one of the problems of rail-road transport. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.3: 1691-1697. 1963, pub. 1965. TP490.15
English summary.
Milk handling in Poland.
Includes discussion.
- 49335 HANSEN, R. The dairy industry as a transportation problem. (Da) Nord. Mejeri-Tidskr. 31(11/12):210-213. 1965. 44.8 N752
Milk distribution.
- 49336 HONAN, J. E. Market responsibility. Inter-State Milk Prod. Rev. 46(10):4-5. Feb. 1966. 280.28 In83
- 49337 KOBRO, J. Some figures from the marketing of milk and cream in the Oslo area. (No) Meieriposten 54(51):1062-1064. Dec. 18, 1965. 44.8 M47
- 49338 LADD, G. W., and HALLBERG, M. An exploratory econometric study of dairy bargaining cooperatives. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 542, 627-651. Ref. Nov. 1965. 100 Io9
- 49339 MINNESOTA. UNIVERSITY. INSTITUTE OF AGRICULTURE. The changing market picture: proceedings of the nineteenth annual Midwest Milk Marketing Conference April 22-23, 1964. St. Paul, 1964. 177 p., map. 280.3499 M583
- 49340 MORRINSVILLE CO-OPERATIVE DAIRY CO. Forty-second annual report and balance sheet for year ended 31st May, 1964. Morrinsville, New Zeal., 1964. 19 p. 280.2449 M83
- 49341 NIEVA, A. E. National Milk Producers' Co-operative [Cooperativa Nacional de Productores de Leche]. (Sp) Indus. Lacteas 14(6): 10-12. June/July 1965. 286.85 In83
Uruguay.
- 49342 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Dairy Industry Control Board for the financial year 1st October, 1962 to 30th September, 1963 and the balance sheet as at 30th September, 1963. Pretoria, 1965. 24 p. 286.3449 So8
Text also in Afrikaans.
- 49343 ROCHESTER DAIRY COOPERATIVE. Annual report for the year ended September 30, 1964. St. Paul, 1964. 3 p. 280.2449 R58

- 49344 RUSSELL, S. Development of milk supplies in the Ankara, Turkey, milkshed. Mass. Agr. Exp. Sta. Bull. 554, 40 p., map. Ref. July 1965. 100 M38H
- 49345 SLAGSVOLD, P. The butter and cheese market in 1965. (No) Meieriposten 55(3):53-59. Jan. 22, 1966. 44.8 M47
- 49346 VERKINDEREN, A., and BAERE, H. DE. La distribution des produits laitiers en Belgique [Marketing of dairy products in Belgium]. I. Brussels. Inst. Econ. Agr. Cah. I. E. A. 37 (R-11), 74 p. Sept. 1965. 281.9 B832
- 49347 WEISENBORN, D. E., SMITH, B. J., and MCPHERSON, W. W. Supplies of fluid milk for Florida: competitive potential of alternative sources. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-5, 60 p., map. Ref. Dec. 1965. 281.9 F663
Emphasis on price competition and marketing regulation.

Grading, Inspection, Standardization, and Quality

- 49348 ASLAND, O. J. Instructive or misleading labeling of cheese. (No) Meieriposten 55(2):44-45. Jan. 15, 1966. 44.8 M47
- 49349 AVOIDING solids-not-fat penalties; panel discussion. Massey Univ. Dairyfarming Annu. 1965:77-90. 44.9 M382
Panel members: C. P. Harris, I. L. Campbell, and D. S. Flux.
- 49350 BOEGMAN, R. J. Bitter flavour in cheese. Dairy Indus. J. Southern Afr. 5(2):61, 63. Apr./June 1965. 44.8 D1428
Cheddar.
- 49351 CONWAY, J. P. Standards for certified milk provide quality protection. Certif. Milk 41(1): 5. Winter 1966. 44.8 C33
- 49352 DITSCH, M. First step toward assimilation of the Process cheese specifications in the E. E. C. (Ge) Deut. Mol.-Zeitung 87(5):151. Feb. 3, 1966. 44.8 Su2
- 49353 FLUCKIGER, E. The keeping quality of pre-packed cheese. Milk Indus. 58(3):24-27, 36. Mar. 1966. 44.8 M593
Emmental.
- 49354 HENDERSON, J. L. The national milk picture. Amer. Feed Manufacturers Ass. Nutr. Counc. Proc., 25th Semi-annu. Meeting: 30-32. 1965. 389.79 Am32
Residues and tolerances of insecticides.
- 49355 JAREMKO, N. Sherbet hygiene in reference to official food inspection. (Ge) Arch. Lebensmittelhyg. 16(12):274-280. Ref. Dec. 1965. 41.8 L49
- 49356 LISKA, B. J. Effects of processing on residues in foods. Amer. Feed Manufacturers Ass. Nutr. Counc. Proc., 25th Semi-annu. Meeting: 35-37. 1965. 389.79 Am32
Insecticides in dairy products.
- 49357 SCANLAN, R. A., SATHER, L. A., and DAY, E. A. Contribution of free fatty acids to the flavor of rancid milk. J. Dairy Sci. 48(12): 1582-1584. Dec. 1965. 44.8 J822
- 49358 THOMAS, E. L., COULTER, S. T., and KUDALE, J. M. Influence of vitamin A and D fortification on the flavor of instant nonfat dry milk. J. Dairy Sci. 48(12):1561-1565. Dec. 1965. 44.8 J822
- 49359 VAANDRAGER, G. The basis for the purchase of milk according to quality. (Af) Dairy Indus. J. Southern Afr. 5(1):41-44. Jan./Mar. 1965. 44.8 D1428
- 49360 WEBER, W. Why pay for milk according to bacterial content? (Ge) Tierzucht 20(1):17-18. Jan. 1966. 49 T443
Includes sanitation.

Packing and Packaging

- 49361 CHINTESCU, G., ROSU, D., and LEFIER, D. Treating the wrapping paper with fungistatic substances with a view to prevent the butter molding. (Rum) Indus. Aliment. 16(5):251-254. May 1965. 389.8 In26
English summary.
Potassium sorbate and calcium propionate.
- 49362 FLACK, K. Bag-in-box 10 quart milk dispensers find favor in New York institutions. Milk Dealer 55(6):50,52. Mar.1966. 44.8 M595
- 49363 GRUNIG, J., CLAVADETSCHER, R. J., and THOMET, F. Economic and technical importance of containers used for pasteurized milk. (Sp) Rev. Espan. Leche. 58:183-189. Dec.1965. 44.8 R325
- 49364 SEIBERLING, D. A. Silo tanks—a way to save space and money. Milk Dealer 55(6):58-60,62. Mar.1966. 44.8 M595
- 49365 SLUMP, H. Development of large-scale packing of dried milk. (Du) Misset's "Zuivel" 71 (21):484-485,487. May 25,1965. 44.8 N282
- 49366 THOM, E. Step into tomorrow. Manufactured Milk Prod. J. 57(3):6-8. Mar.1966. 286.85 B98Bu
Butter wrapping by printer-cartoner machine.

Prices, Price Control, and Rationing

- 49367 BOMBOI, G. Jurisdiction on milk prices of the Common Market and the International Price Committee. (It) Latte 39(10):761-762, 771. Oct.1965. 44.8 In2
- 49368 GRAF, T. F. Collective bargaining in dairying. Pure Milk News 39(2):14-16. Feb.1965. 280.28 P97
Milk pricing.
- 49369 SNODGRASS, D. R. Seattle dairymen develop first Class I Base Plan! Hoard's Dairyman 111 (5):269,340-341. Mar.10,1966. 44.8 H65
To reduce surpluses and improve prices.
- 49370 SPENCER, L. Considerations in developing class 1 base plans under Federal milk orders. Miss. Milk Prod. 12(1):3,9-11. Jan.1966. 44.8 M695

Processing and Storage

- 49371 ASHTON, T. R. U. H. T. treatment and aseptic filling of milk. Milchwissenschaft 21(1):2-10. Jan.1966. 44.8 M5933
- 49372 BERG, M. G. VAN DEN. Process cheese. (Du) Conserva 13(12):305-311. Ref. June 1965. 389.8 C7632
French summary.
Industry.
- 49373 CHEESEMAN, G. C., and CHAPMAN, H. R. Adapting Cheddar cheesemaking to a continuous process. Dairy Indus. 31(2):99-102. Feb.1966. 44.8 D1427
- 49374 CIOBANU, A., and others. Certain technological aspects in the manufacture of ice-cream. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:987-991. 1963, pub.1965. TP490.I5
V. Bercescu, S. Cristea, and G. Lascu, joint authors.
English summary.
- 49375 DEGRE, M. Manufacture of Sbrinz. (Fr) Tech. Lait. 22(511):12-14. Mar.1,1966. 44.8 Of2
- 49376 DIDIER-PETYT, M. Which is the problem in collecting refrigerated milk? (Fr) Tech. Lait. 500:17,19. Nov.10,1965. 44.8 Of2
- 49377 EDMONDSON, L. F., and others. Removal of radiostrontium from milk with tricalcium phosphate and resulting changes in milk composition. J. Dairy Sci. 48(12):1597-1601. Dec. 1965. 44.8 J822
A. R. Landgrebe, A. M. Sadler, and H. E. Walter, joint authors.

- 49378 EMCH, F. The planning of central cheese aging storehouses for Swiss conditions. (Ge) Schweiz. Milchzeitung. 92(9):61-62. Feb.1, 1966. 44.8 Sch92
- 49379 GAVIN, M. The combined effect of temperature and acids on the keeping quality of yoghurt. (Ge) Milchwissenschaft 21(2):85-87. Feb. 1966. 44.8 M5933
English summary.
- 49380 GREYLING, C. P. The use of the continuous churn. (Af) Dairy Indus. J. Southern Afr. 5(1): 36-37,39-40. Jan./Mar.1965. 44.8 D1428
- 49381 HERMANN, M. N. Adaptation of lactic acid bacteria to penicillin. (Af) Dairy Indus. J. Southern Afr. 5(2):65-66. Apr./June 1965. 44.8 D1428
- 49382 HILL, W. E. Compressed air—extra dry. Ice Cream Rev. 49(7):M18. Feb.1966. 389.8 Ic22
In dairy industry; processing equipment.
- 49383 HOSTETTLER, H. The influence of ultra-high-temperature (UHT) sterilization on milk proteins and vitamins. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):137-144. 1965. 389.9 Sw6
English summary.
- 49384 INDIA. NATIONAL DAIRY RESEARCH INSTITUTE. Annual report, 24th, 1964-65. Karnal, 1965. 191 p. 44.9 In7
- 49385 KLIMENKO, B. Basic directions for technical progress in the dairy industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 89:5-12. June 22,1965. (JPRS 30,727; CSO 1840-S) 173 J663Tro
Translation from Molochnaya Promyshlennost' 2:1-5. Feb.1965.
- 49386 KLUPSCH, H. J. Hygienic and technological viewpoints in the manufacture and inspection of fermented milk products in the dairy. (Ge) Deut. MolK.-Zeitung 87(3):76-78. Jan.20,1966. 44.8 Su2
- 49387 KURMANN, J. A. The manufacture of Fri-bourg Vacherin in the face of new techniques. (Fr) Schweiz. Milchzeitung 92(9):63-64. Feb.1, 1966. 44.8 Sch92
- 49388 KURMANN, J. A. Milk liqueur, a little known dairy product. (Fr) Schweiz. Milchzeitung 92 (11):79. Feb.8,1966. 44.8 Sch92
English summary.
Manufacture.
- 49389 LINDSAY, R. C., DAY, E. A., and SANDINE, W. E. Identification of volatile flavor components of butter culture. J. Dairy Sci. 48(12): 1566-1574. Ref. Dec.1965. 44.8 J822
- 49390 LODI. ISTITUTO SPERIMENTALE DI CASEIFICIO. Relazione [Report], "1964." Lodi, 1965. 28 p. Ref. 44.9 L82
- 49391 LOMBARD, S. H. Soft-frozen dairy products. Dairy Indus. J. Southern Afr. 5(2):72-76. Apr./June 1965. 44.8 D1428
- 49392 LUCIANI, V. Fermented milk: an old health food. (It) Latte 39(10):777. Oct.1965. 44.8 L35
- 49393 MANN, E. J. Continuous cheesemaking. Dairy Indus. 31(2):123-124. Feb.1966. 44.8 D1427
Includes equipment.
- 49394 MCKENZIE, I. Raw milk to pasteurised. Queensland Agr. J. 91(12):750-757. Dec.1965. 23 Q33
- 49395 OLSON, N. F., and MAGEE, G. Use of bacteriophage inhibitory medium in cheesemaking. Manufactured Milk Prod. J. 57(3):10-12. Ref. Mar.1966. 286.85 B98Bu
- 49396 PADURET, V. A. New aspects concerning the turning to account of the by-products of the milk industry by drying. (Rum) Indus. Aliment. 16(4):211-214. Apr.1965. 389.8 In26
English summary.
- 49397 QUISH, J. A. Ice cream production European style. Ice Cream Rev. 49(7):22,25,28. Feb. 1966. 389.8 Ic22

- 49398 RAKSHY, S. E. S. E. The effect of heating during the pasteurization of yoghurt and cultured-butter-milk. (Ge) *Milchwissenschaft* 21(2): 81-84. Feb.1966. 44.8 M5933
English summary.
- 49399 SALKELD, J. N. Raw milk refrigeration on dairy farms. *Dairy Top.* 10(3):10-18. May/June 1965. 44.8 D1444
Australia.
- 49400 SCHIPPER, C. J. Trends in storage and transportation of farm milk. (Du) *Veeteelt Zuivelber.* 8(4):147-154. Apr.1965. 49 V51
- 49401 SCHULZ, M. E. Principles of the technology of manufacturing long life fermented milk products. (Ge) *Milchwissenschaft* 21(2):68-80. Feb.1966. 44.8 M5933
English summary.
Bibliography, p.75-80.
- 49402 SEIDLER, H., and HARTIG, M. The removal of strontium 90 from milk. 1. Literature review and research on the application of bone preparations as adsorbants. (Ge) *Nahrung* 9(7):735-743. Ref. 1965. 389.8 N142
English summary.
- 49403 SEIDLER, H., and HARTIG, M. The removal of strontium 90 from milk. 2. Decontamination with the aid of synthetic resin ion exchangers. (Ge) *Nahrung* 9(8):827-851. 1965. 389.8 N142
English summary.
- 49404 SOUTH AFRICAN CHEESE MANUFACTURERS ASSOCIATION. Annual report of the chairman, Mr. L. Stein, to the twenty-second annual general meeting, held in Johannesburg on the 22nd April, 1965. *Dairy Indus. J. Southern Afr.* 5(2):83,85,87,89,91. Apr./June 1965. 44.8 D1428
- 49405 STEINSHOLT, K., BYRE, O., and YSTGAARD, O. M. Fremstilling av flotemysost F 33. Production of flotemysost F 33. I. Virkningene av myseslag, blandingsprosent og pH i mysa med hensyn på ostens kjemiske og organoleptiske kvalitetsegenskaper. I. The effect of the wort of whey, the percentage of cream-milk mixture, and the pH-value in the whey upon chemical and organoleptical characteristics of the "mysost." *Norges Landbrukshogsk. Meieriinst. Meld.* 121,20 p. Ref. 1965. 44.9 N83
English summary.
- 49406 TAYLOR, J. D. Sterilised milk proves a boon to the residents of Fiji. *Town Milk* 13(2):4-7. May 1965. 44.8 T66
- 49407 WEIHENSTEPHAN. MILCHWIRTSCHAFTLICHES INSTITUT. Wissenschaftlicher Jahresbericht über die Tätigkeit in der Zeit vom 1. Januar bis 31. Dezember 1964. 7. Band [Annual scientific report of activity of the Dairy Institute in the period from January 1 to December 31, 1964]. Weihenstephan. 1965. 165 p. 44.9 W422
Southern German Investigation and Research Institution for Dairy Industry [Suddeutsche Versuchs- und Forschungsanstalt für Milchwirtschaft], cooperating.

Statistics

- 49408 CHAKRABARTI, R. Milk production in India (1920-21 to 1959-60). *Gokhale Inst. Polit. Econ. J.* 7(3):220-231. Sept.1965. 280.9 G56A
Statistical.
- 49409 FEUERBACH, R. L., and WHITTED, S. F. Trends in dairy. *Mo. Agr. Exp. Sta. SB* 839, 28 p.,map. Feb.1966. 100 M693
Graphs and statistics, U. S. and Missouri.
- 49410 NEW YORK (STATE) CROP REPORTING SERV. Statistics relative to the dairy industry in New York State 1964. Albany, 1965. 34 p. J.941 S8St2
Statistical Reporting Service of U. S. Department of Agriculture in cooperation with New York State Department of Agriculture and Markets.
- 49411 NORWAY. STATISTISK SENTRALBYRA. Meieribruket i Noreg, 1964. Norway's dairy industry, 1964. Oslo, 1965. 57 p. 44.9 N832
Table of contents and summary also in English.

- 49412 PRODUKTSCHAP VOOR ZUIVEL. ECONOMISCH-STATISTISCHE AFDELING. Voorlopig statistisch jaaroverzicht [Preliminary annual statistical report], 1965. n.p., 1966. 28 p. 281.3449 P94V
Dairy products.
- 49413 U. S. CROP REPORTING BOARD. Milk production and dairy products; annual statistical summary, 1965. Washington, 1965. 32 p. 1.941 H2M59

FEED AND FORAGE CROPS

- 49414 ALKAMPER, J. Productivity of the pumpkin (*Cucurbita maxima* Duch. and *Cucurbita pepo* L.), with particular reference to the oil pumpkin. (Ge) *Z. Acker- Pflanzenbau* 123(3):242-260. Ref. Feb.1966. 18 J825
English summary.
Composition and feed value.
- 49415 ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS. Official publication, 1966. Charleston, W. Va., 1966. 155 p. 389.7 As7
- 49416 AURICH, H., GOTTHARDT, J., and STRACK, E. The use of quaternary bases especially of glycine betaine of beet sugar molasses by pseudomonads. (Ge) *Nahrung* 9(8):859-869. Ref. 1965. 389.8 N142
English summary.
Protein synthesis for feed.
- 49417 BABA, H., MATUNO, N., and NIIZEKI, S. Amino acid composition and dye binding of fish meal as an index of quality. *Tokyo. Nat. Inst. Nutr. Annu. Rep.* 1964:6-7. 389.9 T573
- 49418 BAKER, A. J., BRISCOE, N. A., and FRANZMANN, J. R. Some characteristics of Oklahoma feed dealers. *Okla Curr. Farm Econ.* 38(4):97-102, map. Dec.1965. 100 Ok4
- 49419 BAKKER-ARKEMA, F. W., and HALL, C. W. Importance of boundary conditions in solving the diffusion equation for drying forage wafers. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(3):382-383. Ref. 1965. 290.9 Am32T
- 49420 BALK, W. A. Factors affecting pellet-mill performance with Coastal bermudagrass. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):532-534. 1965. 290.9 Am32T
- 49421 BELEN'KII, S. I., and KOMAROVA, L. I. Growing feed yeasts on corn cob hydrolyzates. (Rus) *Gidrolizn. Lesokhim. Promysh.* 3:20-22. 1965. 301.8 G36
- 49422 BEAGLUND, R. What does it cost you to deliver a ton of feed? *Feedstuffs* 38(2):6,86. Jan.15,1966. 286.81 F322
- 49423 BOBOREKO, E. A., and others. Improvement of conditions of feed yeast production using wood hydrolyzates. (Rus) *Gidrolizn. Lesokhim. Promysh.* 8:22-25. 1964. 301.8 G36
M. Ya. Kalyuzhnyi, N. D. Chaika, M. M. Abramovich, Yu. P. Shilov, A. T. Druzhinina, S. E. Zybin, and L. S. Batikov, joint authors.
- 49424 BRAND, J. M., DE WIT, J. L., and QUICKE, G. V. Solubility studies on a soda lignin isolated from grass hay. *So. Afr. J. Agr. Sci.* 8(3):761-765. Sept.1965. 24 Su3
- 49425 BREITFELDER, G. Important feed reserves in our slaughterhouses. (Ge) *Fleischermeister* 19(9):228-230. Sept.1965. 50.8 F622
Waste utilization.
- 49426 BUTLER, J. L. Energy comparisons in processing Coastal bermudagrass and alfalfa. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):175-176,179. 1965. 290.9 Am32T
Electrical energy in pelleting.
- 49427 BUYS, J. "Old news" from the Salmonella front. (Du) *Molenaar Weekbl.* 69(10):279,281. Mar.9,1966. 298.8 M732
Bacteria in imported fishmeal.
- 49428 CASTILLO, M. A., CARDONA, C., and CAMACHO, L. H. Vetch. (Sp) *Agr. Trop.* 21(11):623-626. Nov.1965. 26 Ag8
Industry in Colombia.

- 49429 CHAFFRAY, J. Preliminaries to investments in livestock feeds. (Fr) Inform. Doc. Agr. 12: 40-41. June 15, 1965. 14 In32
In cooperative manufacture.
- 49430 CODO, V. Forage varieties. (Por) Inst. Laticinos Candido Tostes. Rev. 20(120):27-28. May/June 1965. 44.8 F33
Testing, organization of a program of improvement, and hay judging.
- 49431 DELAUNAY, M. J. Cost price for the manufacture of compound feeds for animals. (Fr) Indus. Aliment. Anim. 166:69, 71, 73-77, 79-86. Dec. 1965. 389.78 In2
- 49432 DELIC, I., LAZOR, M., and KOVACEVIC, M. Equipment for the separation of cellulose from sunflower meal. (Se) Stocarstvo 19 (1/2):73-83. Jan./Feb. 1965. 43.8 St6
English summary.
- 49433 EKERN, A., and others. The quality of Norwegian hay in 1965. (No) Tidsskr. Norske Landbruk 72(12):370-379. 1965. 11 T433
O. Ulvesli, I. Andersen, H. Frank, A. Grothe, and L. Vik-Mo, joint authors.
English summary.
- 49434 FEBREL, J., and CARBALLIDO, A. Bromatological study of canarygrass [Phalaris]. (Sp) An. Bromatol. 17(4):345-360. Ref. 1965. 389.8 An1
English summary.
Feed composition.
- 49435 FILIPAN, T., FILAJDIC, M. Rapid method for the determination of nitrogen in feed. (Se) Poljoprivredna Znanstvena Smotra 20(10), 10 p. 1965. 21.5 Z13
English summary.
- 49436 GNAEDINGER, R. H. Reduction process to convert raw fish into thiaminase-free press cake. Com. Fish. Rev. 27(12):13-17. Dec. 1965. 158.5 F532
As feed.
- 49437 HAMOR, T. Comparative study of fish and silage amino acid. (Hu) Halaszat 11(5):154. Sept./Oct. 1965. 414.8 H12
- 49438 HANSEN, R. C., and STEWART, R. E. Energy-size reduction relations in agricultural grain comminution. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):230-234. 237. Ref. 1965. 290.9 Am32T
Feed milling.
- 49439 JAHN, S. Mixed feed production in 1966. (Ge) Tierzucht 20(1):31-35. Jan. 1966. 49 T443
- 49440 KJELGAARD, W. L. Air-flow resistance of hay pellets and wafers. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):560-561. 1965. 290.9 Am32T
With reference to processing equipment design.
- 49441 KLINKMULLER, A. Before the hay burns. (Ge) Chem. Tech. Landwirt. 16(8):242-244. Aug. 1965. 384 C4292
Prevention of spontaneous combustion.
- 49442 KLOCEK, F. Evaluation of the animal feed situation in the economic year 1965/1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe, Agr. Forest, Food Indus. 422:13-15. Mar. 7, 1966. (JPRS 34,445; TT 66-30885; CSO 2600-S) 173 J663St6
Translation from Przegląd Hodowlany 18:14-15. Dec. 15/31, 1965.
- 49443 KRYUCHKOVA, A. P., and VOROB'EVA, G. I. Organic acids as a carbon source for feed yeasts. (Rus) Gidrolizn. Lesokhim. Promysh. 8:9-11. 1964. 301.8 G36
- 49444 KURELEC, V. Industrial methods of increasing the protein basis. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):155-163. 1965. 105.9 Ir2
English summary.
Feed.
- 49445 LARRICK, G. P. Cooperation in feed control. Ass. Amer. Feed Contr. Offic. Offic. Publ. 1966:111-115. 389.7 As7
- 49446 MARTH, E. H. Occurrence of chlorinated hydrocarbon insecticide residues in feedstuffs. Amer. Feed Manufacturers Ass. Nutr. Council. Proc., 25th Semi-annu. Meeting:20-27. 1965. 389.79 Am32
- 49447 MASUMURA, T., SUGAWARA, M., and ARIYOSHI, S. Atomic absorption spectroscopic method for mineral analysis of formula feed and its ingredient. I. Quantitative analysis of calcium and magnesium. (Ja) Agr. Chem. Soc. Jap. J. 39(10):402-407. Ref. 1965. 385 Ag8
English summary.
- 49448 MENEAR, J. R., and HOLDREN, R. D. Handling, storing, drying wafered hay in humid areas. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):256-258. 263. 1965. 290.9 Am32T
- 49449 MILLER, R. Grain is key in West's freight rate dispute. Nat. Provisioner 154(11):55-59. Mar. 12, 1966. 286.85 N21
Grain as feed.
- 49450 NUSKERN, M. Preparation of feed concentrates for cattle. (Se) Vetserum 13(3/4):124-132. Apr. 1965. 41.8 V6459
Industry; includes formulas.
- 49451 O'BRIEN, M. Characteristics of a tapered-screw conveyor for mixing granular materials. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):528-529. 1965. 290.9 Am32T
Such as feed and seeds.
- 49452 ORBAIZ, A. Mineral composition of some cultivated forage plants. (Sp) Soc. Rural Argent. An. 99(11):42, 45-46. Nov. 1965. 9 So1
- 49453 PATAI, J. Situation of the protein-containing feeds on the world-market. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):39-43. 1965. 105.9 Ir2
English summary.
- 49454 PEDERSEN, E. J. N., and MOLLER, E. Correction for loss of volatile acids during determination of dry matter in silage. (Da) Tidsskr. Planteavl 69(3):425-427. 1965. 11 T439
English summary.
- 49455 PEDERSEN, E. J. N. Determination of volatile acids, lactic acid and ammonia in silage. (Da) Tidsskr. Planteavl 69(3):418-424. 1965. 11 T439
English summary.
- 49456 PIRIE, N. W. Fodder fractionation: an aspect of conservation. Fert. Feed. Stuffs J. 63(4): 119-120, 122. Feb. 16, 1966. 57.8 F413
- 49457 POKORNY, J. Calculation of tolerance for residues of organophosphorus insecticides in feeds. (Cz) Brno. Vyzkumn. Ustav Vet. Ved. Prace 4:173-178. Ref. 1965. 41.9 B833
English summary.
- 49458 REKAI, G. Situation of the compound feed production and possibilities for its development. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1): 149-154. 1965. 105.9 Ir2
English summary.
- 49459 SANNINO, D. Corticella, a cooperative enterprise at the service of the producer and the consumer. (It) Avicoltura 34(11):113-117. Nov. 1965. 47.8 R523
Special emphasis on its poultry feed and egg facilities.
- 49460 SAPOTNITSKIL, S. A., and NOVITSKAYA, L. I. Carbonylbisulfite compounds of lignosulfonic acids from spent sulfite liquor. (Rus) Gidrolizn. Lesokhim. Promysh. 8:12-13. 1964. 301.8 G36
Use as medium for feed yeasts.
- 49461 SCHMIDT, H. L. On germ contamination of commercial feeds. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:75-87. 389.9 Ar1
- 49462 SCHNEIDER, B. Manufacture of dried potato chips. (Ge) Deut. Landwirt. 17(1):35-37. Jan. 1966. 18 D4822
For swine feed.

- 49463 SCHOTHORST, M. VAN. Controlling salmonellae in feed ingredients. *Feeds Illus.* 17(2):16. Feb.1966. 389.78 F326
- 49464 SCHULZE, W. Some actual problems of winter feed provision of 1965. 66. (Ge) *Tierzucht* 19 (12):641-644. Dec.1965. 49 T443
Situation.
- 49465 SIMMONS, E. K. Hay reserve a sound investment. *Dairyfarming Dig.* 12(6):9-13. Nov./Dec.1965. 44.8 D1443
Includes farm management.
- 49466 SOLIS SANABRIA, C. A. Contribution to the chemical and bromatological study of *Acacia farnesiana*. 1. (Sp) *Escuela Farm.* 25(318/320):18-25. Oct./Dec.1964. 396.8 Es1
Composition and possible use for feed concentrate; includes taxonomic characteristics of the plant.
- 49467 STAFFORD, J. H., and SNYDER, J. C. Production Planning and Inventory Control System for feed manufacturers. *Ind. Agr. Exp. Sta. Res. Bull.* 803,22 p. Dec.1965. 100 In2P
- 49468 SZABO, L., and VARADI, J. The supply and circulation system of fodder mix for TSZ's. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 361:7-11. May 21,1965. (JPRS 30,195; CSO 2500-D) 173 J663Ste
Chiefly transportation.
Translation from *Magyar Mezogazdasag* 14:16-17. Apr.7,1965.
- 49469 WALDERN, D. E., and RUSSELL, T. S. How to determine the monetary value of Columbia Basin alfalfa hay, based on crude fiber and crude protein content. *Wash. State Univ. Ext. E. M.* 2568,32 p. Aug.1965. 275.29 W27Mi
Analysis, quality, and nutritive value.
- 49470 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: feed grains. *Wash. State Univ. Ext. E. M.* 2368,rev.,2 p. Dec.1965. 275.29 W27Mi
- 49471 WORNICK, R. C. Problems in mixing animal feed products. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):464-469. Ref. 1965. 290.9 Am32T
- 49472 WOTTLING, M., and BRETTE, M. Linear programming; its advantages, limits and examples. (Fr) *Indus. Aliment. Anim.* 166:46-48. Dec. 1965. 389.78 In2
- 49473 ZININA, M. A. Production of feed yeasts from kenaf chaff. (Rus) *Gidrolizn. Lesokhim. Promysh.* 6:15-18. 1965. 301.8 G36
- FIBERS AND TEXTILES
- 49474 ADAMEK, F., HRDLICKA, A., and HANDZEL, J. The Czechoslovakian textile industry during the last 20 years. III. *Man-Made Textiles* 43 (500):48,50-51. Feb.1966. 304.8 Si3
- 49475 ADAMS, D. W., and HERRON, O. A. The Colombian cotton industry. (Sp) *Agr. Trop.* 21 (7):348-357. July 1965. 26 Ag8
- 49476 AKERS, E., and HAYNES, O. Man-made fibers. *Ohio. State Univ. Ext. Leaf.* L-125,4 p. Sept. 1965. 275.29 Oh32EL
- 49477 ALLSCHER, R., and LEINS, H. Differences in the reaction of various cyclic N-methylol compounds in the lattice-like polymerization of native cellulose fibers. I. (Ge) *Melliand Textilber.* 47(2):197-200. Feb.1966. 304.8 T312
- 49478 AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS. PALMETTO SECT. A study of the effect of high temperature heat treatments on disperse dyed polyester/cotton fabrics as found in deferred cure finishing. *Amer. Dyestuff Rep.* 55(4):33-43. Feb.14,1966. 306.8 Am3
Creaseproofing.
- 49479 THE AMERICAN cotton handbook; a reference and text for the entire cotton textile industry, edited by D. S. Hamby. Ed. 3. New York, Intersci., 1965-1966. 2 v. Ref. 304 M55A
- 49480 ANDERSON, S. L. An enquiry relative to the threshold cor size classified as neps by the members of the European combed wool industry. (Fr) *Ann. Sci. Textiles Belg.* 3:55-61. Sept.1965. 304.8 An72
English summary.
- 49481 ARTHUR, J. C., MARES, T., and GEORGE, M. Some properties of benzoyleated cotton. *Textile Res. J.* 35(12):1116-1119. Ref. Dec. 1965. 304.8 T293
- 49482 AUDIVERT, R. Breaks in worsted spinning. (Sp) *Invest. Inform. Textil* 8(2):133-143. Ref. Apr., June 1965. 304.8 In84
- 49483 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. Abnormal crimp. *Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.]* 51:18-20, map. June 1965. 23 R88
Poorly crimped wool.
- 49484 AUSTRALIA, WOOL BOARD. Annual report 1964-1965. Sydney, 1965. 56 p. 286.3459 Au72A
Marketing.
- 49485 AUSTRALIA, WOOL BOARD. WOOL STATISTICAL SERV. Australian wool 1964-65; classification of greasy wool originating from each statistical division or wool area. *Australian Wool Board. Wool Statis. Serv. Statist. Anal.* 49A,89 p. Nov.1965. 45.9 Au77
- 49486 AUSTRALIAN wool 1964-65. Sidney, Birt and Company, 1965. 104 p., map. 286.3459 W88
Statistics.
- 49487 AUTOMATION of wool fibre-length measurement. *Wool Sci. Rev.* 28:22-32. Nov.1965. 304.8 W887
Testing equipment.
- 49488 BAGOT, Y. Extraction and processing of coconut fiber. (Fr) *Oleagineux* 20(8/9):533-536. Aug./Sept.1965. 77.8 OL2
- 49489 BARELLA, A., MIRO, P., and SUST, A. The application of dynamometry of chemically treated wool fiber bundles. (Fr) *Ann. Sci. Textiles Belg.* 4:31-46. Ref. Dec.1965. 304.8 An72
English summary.
- 49490 BARELLA, A., and SUST, A. Contribution to the study of wool resistance by the fiber bundle method. (Fr) *Ann. Sci. Textiles Belg.* 3:44-54. Ref. Sept.1965. 304.8 An72
English summary.
- 49491 BARRAU, J. Note on the manufacture of textiles from bark, called Tapa, on the Island of Uvea still called Wallis. (Fr) *J. Agr. Trop. Bot. Appl.* 12(4/5):211-213. Apr./May 1965. 26 J822
- 49492 BATTISTA, O. A. Colloidal macromolecular phenomena. *J. Polymer Sci. Part C, Polymer Symp.* 9:135-155. Ref. 1965. 381 J829S
Included structure of cellulose fibers.
- 49493 BIGLER, N. Practical textile microscopy, a method for detecting defects in textiles. (Ge) *Chemiefasern* 16(2):116-122. Feb.1966. 304.8 J45
Includes discussion of wool structure.
- 49494 BOGDAN, J. F. Carding and combing. *Amer. Cotton Handbook* 1:239-290. 1965. 304 M55A
- 49495 BOIS, W. F. DU, and RIET, D. F. VAN DE. Measuring fiber elongation with the Pressley tester. *Textile Res. J.* 36(1):97-98. Jan.1966. 304.8 T293
- 49496 BROLL, H. A rapid method for the chemical determination of ashed and limed hide wool (skin or lime wool). (Ge) *Melliand Textilber.* 46(8):834-836. Aug.1965. 304.8 T312
- 49497 CANADA, BUR. OF STATISTICS. Shorn wool production 1965. Ottawa, 1965. 2 p. 253 C1625Sh
- 49498 CANADA, BUR. OF STATISTICS. Wool mills, 1963. Ottawa, 1966. 32 p. (Annual Census of Manufactures) 253 C335
Includes fiber consumed.

- 49499 CERDONIO, B. History and legend of a privileged textile. (It) Riviera Fiori 19(11):23-24. Nov.1965. 287 R52
Wool.
- 49500 CLARKE, W. H., and MADDOCKS, I. G. Wool fibres: sectioning and staining, differentiation of ortho and paracortex. Stain Technol. 40(6): 339-342. Nov.1965. 442.8 St1
- 49501 COLOMBIA. INSTITUTO DE FOMENTO ALGODONERO. Cotton. (Sp) Agr. Trop. 21(11):610-622. Nov.1965. 26 Ag8
Industry in Colombia.
- 49502 DORSET, B. C. M. Bleaching cellulose: techniques and new developments. Textile Manufacturer 92(1094):68,69-73. Feb.1966. 304.8 T3126
- 49503 DU BOIS, W. F. The swelling of cellulose fibers, especially cotton, in alkali solutions. (Ge) Melliand Textilber. 46(8):837-848. Aug. 1965. 304.8 T312
- 49504 ELECTRON microscopy of wool keratin. Wool Sci. Rev. 28:1-11. Nov.1965. 304.8 W887
- 49505 FEIL, R. W. Tension measurements in an accelerated spinning test. Textile Bull. 92(3):36-38,40-41. Mar.1966. 304.8 So82
- 49506 FELDTMAN, H. D., and MCPHEE, J. R. The effect of detergents on the felting of wool. Textile Res. J. 36(1):48-55. Ref. Jan.1966. 304.8 T293
- 49507 FIORI, L. A., and COMPTON, J. Blending. Amer. Cotton Handbook 1:132-205. Ref. 1965. 304 M55A
- 49508 FISHER, C. E. South Plains Research and Extension Center to expand work on cotton problems. Cotton Dig. 38(27):10,23. Mar.5,1966. 286.82 C822
Texas.
- 49509 FLANAGAN, G. F. Felting and ratchet action of wool fibers. Textile Res. J. 36(1):55-65. Ref. Jan.1966. 304.8 T293
- 49510 FORTENBERRY, W. H. The classification of cotton. Amer. Cotton Handbook 1:110-131. 1965. 304 M55A
- 49511 FOTEEV, S. P., and SHUMEIKO, K. I. A study of sulfite pulping of reed. (Rus) Bumazhn. Promysh. 5:3-5. May 1965. 302.8 B88
English summary.
- 49512 GAGLIARDI, D. D., JUTRAS, W. J., and SHIPPEE, F. B. Vapor phase reactions on cotton. I. Textile Res. J. 36(2):168-177. Feb.1966. 304.8 T293
- 49513 GILLESPIE, J. M. The relation between the crimp of wool and its content of high-sulfur protein. Textile Res. J. 35(12):1128-1129. Ref. Dec.1965. 304.8 T293
- 49514 GRIFFIN, A. C., and MOORE, V. P. Relation of physical properties of cotton to commerce and ginning research. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):488-490. 1965. 290.9 Am32T
- 49515 GRIGNET, J. Defects on yarn thickness in combed wool. (Fr) Ann. Sci. Textiles Belg. 3: 7-25. Sept.1965. 304.8 An72
English summary.
- 49516 GROSSMANN, O. VON. Possibilities of spinning without rings. (Ge) Melliand Textilber. 46(7):671-681. July 1965. 304.8 T312
- 49517 GROVE, C. C., and ALBERTYN, D. Rapid determination of residual grease on scoured mohair. Textile Res. J. 35(12):1127-1128. Dec.1965. 304.8 T293
- 49518 GUPTA, M. K., and JAIN, S. C. Utilisation of bamboo dust. I. Paper & rayon grade pulp. Indian Pulp Pap. 20(7):433,435,437-439. Jan. 1966. 302.8 In23
- 49519 GUPTA, S. D. Radiation-induced grafting of mixed monomers on cotton fabric. Amer. Dyestuff Rep. 55(6):59-65. Mar.14,1966. 306.8 Am3
- 49520 HAGIWARA, G., and MORI, M. Coir fibre industry for Micronesia. S. Pacific Bull. 15(4): 43-46. Oct.1965. 280.8 So89
- 49521 HALL, A. J. Modern flameproofing processes. Textile Rec. 83(995):64-67. Feb.1966. 304.8 T311
- 49522 HALL, A. J. What you should know about modern flame retardants. Textile World 116(3): 98-100,102. Mar.1966. 304.8 T315
- 49523 HALY, A. R. Hygrostress in supercontracted wool fibers. Textile Res. J. 35(12):1131-1133. Dec.1965. 304.8 T293
- 49524 HANCE, L. H. Spinning. Amer. Cotton Handbook 1:338-378. 1965. 304 M55A
- 49525 HENDEY, N. I. Fungicidal efficiency of dichlorophen and pentachlorophenyl laurate. Textile Manufacturer 92(1094):45-48. Feb.1966. 304.8 T3126
Cotton textiles.
- 49526 HENNING, H. J., TOPERT, G., and VALK, G. Influence of cage peripheral speed, of water level, and of the ratio of liquor to wool within the cage on wool felting shrinkage in a washing machine of the horizontal cylindrical rotating type. (Ge) Z. Gesamte Textil Indus. 68(2):104-108. Ref. Feb.1966. 304.8 D485
English summary, p.52.
- 49527 HERZOG, W. Relation between fiber properties and properties of the finished product. (Ge) Melliand Textilber. 46(8):819-826. Aug. 1965. 304.8 T312
- 49528 HOBART, S. R., MACK, C. H., and WADE, C. P. The wrinkle recovery properties of acetylhydrazide disulfide-cross-linked dialdehyde and dialcohol cottons. Textile Res. J. 36(1):30-37. Ref. Jan.1966. 304.8 T293
- 49529 HORVATH, J., and TOBISCH, F. Twist conditions on the flyer roving in worsted spinning. (Ge) Melliand Textilber. 47(2):125-138. Feb. 1966. 304.8 T312
- 49530 JOHNSON, D. A. Effect of the new cotton program on High Plains economy. Cotton Dig. 38(27):8,24. Mar.5,1966. 286.82 C822
Provisions of the Agricultural Act of 1965.
- 49531 KENNAMER, H. G. Use of the digital fibrograph in processing. Textile Bull. 92(3):42-46. Mar.1966. 304.8 So82
- 49532 KIESER, O. Mixing and blending in worsted drawing. Textil-Praxis, Int. Edition 6:314-316. Dec.1965. 304.8 T3143Ae
Includes spinning equipment.
- 49533 KOPACZ, B. M., and HOFFPAUIR, C. L. Foreign utilization research: cotton finishing. II. Amer. Dyestuff Rep. 55(6):51-58. Ref. Mar.14, 1966. 306.8 Am3
- 49534 KRUGER, P. J., and ALBERTYN, D. Carding and combing of mohair. I. Carding. Textile Res. J. 36(2):112-118. Feb.1966. 304.8 T293
- 49535 KRUGER, T. J., and DE WET, P. J. Resistance to compression of Merino wool originating from the Transvaal Highveld. (Af) So. Afr. J. Agr. Sci. 8(3):717-727. Ref. Sept.1965. 24 Su3
English summary.
- 49536 LANDWEHR, R. C. Effect of temperature on wrinkle recovery properties of a wool, a polyester, and a blend fabric. Textile Res. J. 36(1):94-95. Jan.1966. 304.8 T293
- 49537 LAUN, L. F. Textiles, a multi-fiber industry. Mod. Textiles Mag. 47(3):22-26. Mar.1966. 304.8 R21
Synthetics competition with natural fibers.
- 49538 LINDSAY, J. Cotton goods finishing. Amer. Cotton Handbook 2:922-990. Ref. 1966. 304 M55A
- 49539 LINHART, H. Approximate confidence limits for the coefficient of variation of gamma distributions. Biometrics 21(3):733-738. Sept. 1965. 442.8 B5224
Application: the fiber diameters in a sample of raw Merino wool.
- 49540 LLOYD, A. G. Reserve price scheme for wool—a defence. Econ. Rec. 41(96):505-522. Dec.1965. 280.8 Ec74
Australia.

- 49541 LUNDGREN, H. P. Modernized wool. New Sci. 29(485):566-567. Mar.3,1966. 472 N42 Processing.
- 49542 MANSUROV, YU. Cotton cleaner. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:1-2. Nov.4,1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:43-44. Sept.1965.
- 49543 MARK, H. Recent progress in cellulose textiles. (Fr) Rayonne Fibres Syn. 22(1):55-64. Jan.1966. 304.8 R214
Includes the viscose process for fibers.
- 49544 MARTIN, F. H. Opening and picking. Amer. Cotton Handbook 1:206-238. 1965. 304 M55A
Includes cleaning.
- 49545 MARTSCH, R. J. Alpaca diameter measurement. Textile Res. J. 35(12):1130-1131. Dec. 1965. 304.8 T293
Fiber.
- 49546 MATCHANOV, N. M. Production of cotton in Uzbekistan. (Rus) Khlopkovodstvo 2:1-4. Feb. 1966. 72.8 K522
Policies.
- 49547 MATSUMOTO, T. Modernization of raw silk packages in Japan. Silk Dig. 229:4-6. Feb. 1966. 304.8 S133
- 49548 MAYNE, S. C. Fiber testing and physical properties. Amer. Cotton Handbook 2:1036-1080. Ref. 1966. 304 M55A
- 49549 MEMPHIS COTTON EXCHANGE. Ninety-first annual report of the board of directors, year ending November 30, 1964. Memphis, 1964? 3 p. 287 M513A
- 49550 MIRO, P., and GARCIA DOMINGUEZ, J. J. Analysis of lanthionine from wool hydrolyzates. (Sp) Invest. Inform. Textil 8(2):105-106. Apr./June 1965. 304.8 In84
English summary.
- 49551 MONCRIEFF, R. W. An improved anti-crease process. Textile Weekly 66(1977):210-212. Feb.11,1966. 304.8 T3127
In cotton textiles.
- 49552 NAKAHAMA, T. Basic research on the fermentation processing of raw materials for fibers and its industrialization. (Ja) Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:80-110. Ref. Sept.1965. 22.5 K993
German summary.
- 49553 NARITA, S., DATE, M., and ISHII, K. Wash and wear finishing of cotton fabric with N, N'-dimethylol-itaconamide (DIMIA). Textile Res. J. 36(2):124-131. Ref. Feb.1966. 304.8 T293
- 49554 NEEDHAM, H., and PARKIN, W. Modern combing techniques. 2. Mechanism of washing. Wool Textile Indus. 39(531):11-12. July 1965. 45.8 W886
- 49555 NEEDHAM, H., and PARKIN, W. Modern combing techniques. 3. Wool drying. Wool Textile Indus. 39(532):7-8. Aug.1965. 45.8 W886
- 49556 NEEDHAM, H., and PARKIN, W. Modern combing techniques. 4. Worsted carding. Wool textile Indus. 39(533):16-17. Sept.1965. 45.8 W886
- 49557 NEEDHAM, H., and PARKIN, W. Modern wool-combing processes. Wool Textile Indus. 39:13-14. June 1965. 45.8 W886
- 49558 NEEDHAM, H., and PARKIN, W. The wool-combing process. Wool Textile Indus. 40(539):19,21. Mar.1966. 45.8 W886
- 49559 NELSON, G. H., and others. A search for new fiber crops: analytical evaluations. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(1):40-48. Jan.1966. 302.8 T162
T. F. Clark, I. A. Wolff, and Q. Jones, joint authors.
For paper pulp.
- 49560 NEW MEXICO STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Know your wool prices. N. Mex. State Univ. Ext. Circ. 383,6 p.-folder. Oct.1965. 275.29 N463E
- 49561 NEWTON, F. E., BURLEY, S. T., and MOORE, V. P. The effect of trash removal on cotton processing performance and product quality. Textile Bull. 92(3):28-30,75. Mar.1966. 304.8 So82
- 49562 NEWTON, F. E., BURLEY, S. T., and LAFERNEY, P. E. USDA study sheds light on how variables affect the quality of cotton yarn. Textile World 116(3):80-83. Mar.1966. 304.8 T315
- 49563 THE 1966 COTTON Research Clinic. Textile Bull. 92(3):27-30,75,32-34,36-38,40-52. Mar. 1966. 304.8 So82
Proceedings of the 17th annual Cotton Research Clinic, at Pinehurst, N. C.
- 49564 NITSCHKE, G. Origins of damaged wool hairs and their behavior in the manufacture and processing of Merino wool tops. (Ge) Z. Gesamte Textil Indus. 68(2):74-82. Ref. Feb. 1966. 304.8 D485
- 49565 NOBUO, D. Mathematical approach for the yarn pressure in bobbin winding. Textile Res. J. 36(1):88-91. Jan.1966. 304.8 T293
- 49566 NUTTER, W., and LOMAX, R. Rings & travellers for high-speed spinning. Textile Weekly 66(1980):382-384. (Cont.) Mar.4,1966. 304.8 T3127
- 49567 NUTTER, W., and LOMAX, R. Rings & travellers for high-speed spinning. Textile Weekly 66(1981):414-415. (Cont.) Mar.11, 1966. 304.8 T3127
- 49568 OBREGON RENDON, L. E. Furcrea. (Sp) Agr. Trop. 21(11):660. Nov.1965. 26 Ag8
Industry in Colombia.
- 49569 OBREGON RENDON, L. E. Sisal. (Sp) Agr. Trop. 21(11):728-729. Nov.1965. 26 Ag8
Industry in Colombia.
- 49570 ORUDZHEV, A. K. Realistic amount and clear future. (Rus) Khlopkovodstvo 2:4-6. Feb. 1966. 72.8 K522
Cotton policies.
- 49571 PEY CUNAT, A. Modernization and profits from cotton spinning. (Sp) Ing. Textil 32(205):1117-1121. Dec.1965. 304.8 In4
- 49572 THE PRESENT state of technological progress and mill practise in the wool spinning industry of the Eastern Bloc countries. Textil-Praxis. Inst. Edition 6:322-332. (Cont.) Dec.1965. 304.8 T3143Ae
- 49573 REBENFELD, L. Morphological foundations of fiber properties. J. Polymer Sci. Part C, Polymer Symp. 9:91-112. Ref. 1965. 381 J829S
- 49574 REEVES, W. A., and GUTHRIE, J. D. Chemical modification. Amer. Cotton Handbook 2: 991-1035. Ref. 1966. 304 M55A
Cotton textiles.
- 49575 REGENSCHEIT, B. Climate control equipment in cotton spinning. (Ge) Melliand Textilber. 46(8):790-795. (Cont.) Aug.1965. 304.8 T312
- 49576 ROBSON, A. Two-phase materials and wool. Textile Inst. Indus. 4(2):37-40. Feb.1966. 304.8 T3133
Structure.
- 49577 RODICHEV, S. All cotton-growing areas in the USSR meet 1964 goals. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92:12-15. Aug.25,1965. (JPRS 31,697; TT 65-32192; CSO-1840-S) 173 J663Tso
Translation from Zakupki Sel'skokhozyaistvennykh Produktov 6:15-17. 1965.
- 49578 ROLLINS, M. L. The cotton fiber. Amer. Cotton Handbook 1:44-81. Ref. 1965. 304 M55A
Structure.
- 49579 ROLLINS, M. L., and others. Microscopical comparisons of some reactions of cotton cellulose with ethyleneurea derivatives. Textile Res. J. 36(2):185-201. Ref. Feb.1966. 304.8 T293
J. H. Carra, E. J. Gonzales, and R. J. Berni, joint authors.

- 49580 ROSS, J. E., and LAFERNEY, P. E. Some economic implications of trash removal from cotton. *Textile Bull.* 92(3):32-34. Mar.1966. 304.8 S082
- 49581 ROTTERDAM. VEREENIGING VOOR DEN KATOENHANDEL. Annual report [of the Rotterdam Cotton Association] 1964-1965. Rotterdam, 1965. 41 p. 287 R74R
- 49582 SEMANA, J. A. A study of the variables in the sulfate pulping of giant bamboo (*Gigantochloa aspera* Kurz). *Indian Pulp Pap.* 20(6):395,397-399,401,403-406. Ref. Dec.1965. 302.8 In23
- 49583 SERAFIMOFF, S., and KANTSCHIEFF, E. Contribution to the study of deterioration of silk under sunlight. (It) *Fibre Colori* 16(2):44-48. Feb.1966. 304.8 F442
- 49584 SETHI, B. L. Indian Central Cotton Committee, Bombay. *Bharat Krishak Samaj. Year Book* 1964:582-583. 22 B46
- 49585 SHIPPEE, F. B., and GAGLIARDI, D. D. Differential distribution of cross-linking agents in cotton fabrics. *Textile Res. J.* 36(2):177-184. Feb.1966. 304.8 T293
In wash-and-wear treatment.
- 49586 SHIRSALKAR, M. M., JAIN, R. K., and GEORGE, J. Fire-resistant building boards from coconut pith. *Oils Oilseeds J.* 28(7):13-14. Jan.1966. 307.8 O154
In India; production of coir.
- 49587 SIERRA F., J. A. Flax. (Sp) *Agr. Trop.* 21 (11):681-682. Nov.1965. 26 Ag8
Industry in Colombia.
- 49588 SIMPSON, J., DELUCA, L. B., and FIORI, L. A. Fiber hooks. *Textile Indus.* 130(3):90-94,114. (Cont.) Mar.1966. 304.8 C823
Equipment effects on cotton yarn properties.
- 49589 SKERTCHLY, A. That remarkable protein, wool. *New Sci.* 29(484):480-482. Feb.24,1966. 472 N42
Structure.
- 49590 SKINNER, J. N. Some factors affecting the clean price of greasy wool. *Australian J. Agr. Econ.* 9(2):176-187. Dec.1965. 281.8 Au74
- 49591 SMITH, W. How cooperatives extend the farmer's business into the market place. In *U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964*, U. S. Department of Agriculture, p.42-47. 1965. A280.2 F22
Chiefly Plains Cooperative Oil Mill, Lubbock, Texas, cotton cooperative.
- 49592 STARK, S. M. Chemical testing. *Amer. Cotton Handbook* 2:1172-1222. 1966. 304 M55A
Bibliography, p.1218-1222.
- 49593 STEIN, H. Application of high-frequency cinematography for research in the spinning process. (Ge) *Melliand Textilber.* 46(8):783-790. Aug.1965. 304.8 T312
- 49594 STULTZ, R. L. Permanent press: major accomplishments and current problems. *Amer. Dyestuff Rep.* 55(6):48-50. Mar.14,1966. 306.8 Am3
- 49595 SZALOKI, Z. Drawing and roving. *Amer. Cotton Handbook* 1:291-337. 1965. 304 M55A
- 49596 TOBOLSKY, A. V., ed. Structure and properties of polymers. *J. Polymer Sci. Part C, Polymer Symp.* 9,191 p. Ref. 1965. 381 J829S
Fibers and elastomers included.
- 49597 TREIBER, E., and others. Contribution to the swelling behavior of viscose fibers. (Ge) *Chemiefasern* 16(2):113-116. Ref. Feb.1966. 304.8 J45
D. Ehrengard, E. Gruber, and L. Wangberg, joint authors.
- 49598 U. S. CONSUMER AND MARKETING SERV. COTTON DIV. Regulations of the Department of Agriculture for cotton fiber and processing tests. *U. S. Consum. Marketing Serv. Cotton Div. SRA-178*, 10 p. Dec.1965. 1 M34S
- 49599 VAIL, S. L., and REID, J. D. Effect of structure on acidic hydrolysis of cellulose formals. *Textile Res. J.* 35(12):1133-1135. Ref. Dec. 1965. 304.8 T293
- 49600 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas agroecómicas continuas: desmote de algodón [Current agricultural economic statistics: cotton ginning], 1964. Caracas, 1965. 37 p. (EEA-65-048) 255.9 V55Es
- 49601 VROOMEN, F. Contribution to the study of the Markovian process of the card. (Fr) *Ann. Sci. Textiles Belg.* 4:86-107. Dec.1965. 304.8 An72
English summary.
Wool.
- 49602 WALZ, F. Doffing on ring frames. *Textile-Praxis, Int. Edition* 6:309-313. Dec.1965. 304.8 T3143Ae
- 49603 WARD, K., MURRAY, M. L., and THOMAS, W. B. Partly carboxymethylated cotton linters for papermaking. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(1):20-22. Jan.1966. 302.8 T162
- 49604 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Consumers ask about permanent press. *Wash. State Univ. Ext. E. M.* 2590,5 p. Nov.1965. 275.29 W27Mi
- 49605 WATSON, H. An idea at the car wash aids unloading at the gin. *Cotton Gin Oil Mill Press* 67 (1):20. Jan.1,1966. 304.8 C822
Conveyor system.
- 49606 WATT, I. C. The relation between longitudinal swelling and water sorption by keratin fibers. *Textile Res. J.* 35(12):1072-1077. Ref. Dec. 1965. 304.8 T293
- 49607 WEGENER, W., ROSEMAN, W., and HOTH, E. G. Zero point adjustment in fiber length distribution of combed wool. (Ge) *Melliand Textilber.* 46(8):796-803. Aug.1965. 304.8 T312
- 49608 WEIGMANN, H. D., and REBENFELD, L. Reduction of wool with dithiothreitol. *Textile Res. J.* 36(2):202-203. Feb.1966. 304.8 T293
- 49609 WHEWELL, C. S. Finishing of fabrics containing wool and man-made fibres. *Wool Textile Indus.* 40(539):10-12. (Cont.) Mar.1966. 45.8 W886
- 49610 WHITAKER, R. Economic and statistical background of cotton growing and manufacturing. *Amer. Cotton Handbook* 1:1-25. 1965. 304 M55A
- 49611 WORNER, R. K. Testing of physical and performance properties of yarns and fabrics. *Amer. Cotton Handbook* 2:1083-1171. Ref., p.1167-1171. 1966. 304 M55A
- 49612 ZAMACOIS, R., RECASENS, J. M., and BARELLA, A. Double inversion of the handling tape during the conventional process of cotton spinning. (Sp) *Invest. Inform. Textil* 8(2):125-132. Apr./June 1965. 304.8 In84
- 49613 ZININA, M. A., and DUSHIN, V. A. Hydrolysis of kenaf scutch pentosans and hexosans. (Rus) *Gidrolizn. Lesokhim. Promysh.* 8:25-27. 1964. 301.8 G36
- 49614 ZININA, M. A., and DUSHIN, V. A. Production of furfural from kenaf chaff. (Rus) *Gidrolizn. Lesokhim. Promysh.* 5:21-22. 1965. 301.8 G36
- FRUITS, VEGETABLES, AND NUTS
- 49615 ARENAS, F. L. Bananas (*Musa paradisica* L.)—plantain (*Musa sapientum* L.). (Sp) *Agr. Trop.* 21(11):636-640. Nov.1965. 26 Ag8
Industry in Colombia.
- 49616 ARLITT, M. Fruit for juice; importance attributed to it in France and in our country. (Ge) *Indus. Obst. Gemuseverwertung* 51(1):12-13. Jan.6,1966. 389.8 K832
- 49617 AUDEL'BEKOV, E. Fruit and grape industry in Kazakhstan. (Rus) *Sadovodstvo* 2:1-2. Feb. 1966. 80 Sa13
- 49618 BAKOKIN, N. A. Summary, programs and possibilities. (Rus) *Sadovodstvo* 11:8-9. Nov. 1965. 80 Sa13
Fruit industry.

- 49619 BAPTISTA, L. P. The fruits of Angola at the first international exposition of agricultural and industrial nutrition. (Por) Gaz. Agr. Angola 10(11):616-617. Nov.1965. 24 G252
- 49620 BEJAN, T. For further development of the culture of grapes. (Rum) Gradina Via Livada 14(9):4-11. Sept.1965. 80 G75
- 49621 BEMIS, K. P. Potato crop 1965. United Fresh Fruit Veg. Ass. Yearbook 1966:219-220,222, 225. 280.3939 Un3
Outlook.
- 49622 BROOKE, D. L. Economic background and trends in the production and marketing of Florida celery. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC66-1,30 p. Ref. Aug.1965. 281.9 F663
Includes statistics.
- 49623 BUCKSAR, R. B. Some recent changes in the American mushroom industry. J. Geogr. 45(3): 114-124, map. Mar.1966. 278.8 J82
- 49624 CAMACHO, L. H., CARDONA, C., and OROZCO, S. H. Beans. (Sp) Agr. Trop. 21(11):661-666. Nov.1965. 26 Ag8
Industry in Colombia.
- 49625 CONSTANTINESCU, G. Viticulture in a new stage of development. (Rum) Gradina Via Livada 14(8):22-26. Aug.1965. 80 G75
- 49626 CROSSLAND, G. C. Pears is pears! Pear Growers League. Annu. 1966:33-34. 286.3939 P31
Problems confronting pear industry.
- 49627 DULA, M. An up over view of Down Under. Cling Peach Quart. 2(2):15-16. Summer 1965. 281.8 C61
Peaches in Australia.
- 49628 ECHEVERRI Q., R. National industry. (Sp) Rev. Nac. Agr. 57(720):31. Apr.1965. 9.4 R32
Potato products in Argentina.
- 49629 ESTRADA, N. Potatoes, basic world food product. (Sp) Agr. Trop. 21(11):707-712. Nov. 1965. 26 Ag8
Industry in Colombia.
- 49630 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Draft Report of the first session of the steering committee of the FAO group on citrus fruit. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/12,10 p. May 26,1965. 389.9 F7354Co
Thirty-eighth session.
- 49631 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Ad Hoc meeting on bananas (economic aspects). Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/4,15 p. Dec.1,1964. 389.9 F7354Co
Industry.
- 49632 GUSTAFSON, C. D. The avocado industry—where is it headed? Calif. Avocado Soc. Yearbook 48:46-49. 1964, pub.1965. 81 C128
- 49633 HOOGERWERF, M. L., and VIS, H. J. M. De ontwikkeling van de tuinbouw in de veenstreek [The development of horticulture in the fen district]. Landbouw-Econ. Inst. Verslagen 149,22 p. Jan.1966. 281.9 L23V
- 49634 KOLBE, M. H. Competition from the South-tarheel apple production of the future. Va. Fruit 54(2):92-95. Feb.1966. 81 V81B
Yields, advertising and outlook in North Carolina.
- 49635 KRAUSE, H. Marmelade industry in the year 1965. (Ge) Indus. Obst- Gemuseverwertung 50(24):943-946. Dec.16,1965. 389.8 K832
- 49636 LARSEN, R. P. Project '80—a look at Michigan's potential fruit industry in 1980. Va. Fruit 54(2):51-56. Feb.1966. 81 V81B
- 49637 LINS, E. W. Virginia's place in the national peach picture. Va. Fruit 54(2):66-72. Feb. 1966. 81 V81B
Industry and outlook.
- 49638 MENENDEZ. World banana production and its problems. (Sp) Spain. Dir. Gen. Capacitacion Agr. Bol. Inform. Min. Agr. 18(112):13-14. Mar./Apr.1965. 281.9 Sp1
- 49639 RODRIGUEZ, E. A. Vegetables. (Sp) Agr. Trop. 21(11):673-680. Nov.1965. 26 Ag8
Industry in Colombia.
- 49640 ROGERS, H. A change in Maine. Prod. Marketing 8(10):13-15. Oct.1965. 280.38 P943
Potato industry.
- 49641 ROWE, E. Maine's potato empire and how it grew. Prod. Marketing 8(10):18. Oct.1965. 280.38 P943
- 49642 SCARDACCIONE, D. Marketing and production of artichokes. (It) Agr. Italia 11(9):3-14. Sept. 1965. 16 Ag8232
Industry.
- 49643 SCHURMANN, A. Italian fruit culture in the crisis. IV. (Ge) Fruchthandel 17:752-753. Apr.23,1965. 286.83 F9428
- 49644 SELLER, S. Facts—finding, storing, retrieving. United Fresh Fruit Veg. Ass. Yearbook 1966:279-282. 280.3939 Un3
Library services.
- 49645 STEFAN, N. Development of the fruit and grape sectors as outlined by the 9th Congress of the Rumanian Communist Party. (Rum) Gradina Via Livada 14(8):4-10. Aug.1965. 80 G75
- 49646 TAIWAN YIN HANG CHING CHI YEN CHIU SHIH. Tai-wan te ch'an ts'ung k'an. 14. Tai-wan chih shui kuo hsu chi [Special products of Taiwan collection. 14. Taiwan fruit collection]. Taipei. Tai-wan Yin Hang, 1965. 190 p. 22.5 T137
- 49647 TORRES, R., and GIACOMETTI, D. Fruit trees. (Sp) Agr. Trop. 21(11):667-672. Nov. 1965. 26 Ag8
Fruit industry in Colombia.
- 49648 UNITED FRESH FRUIT AND VEGETABLE ASSOCIATION. Membership directory, 1966. Washington, D.C., 1966. 93 p. 225 Un325
- 49649 VARGA, GY. Development of arable vegetable production in Hungary between 1950 and 1964. (Hu) Gazdalkodas 10(1):1-20, map. Feb.1966. 281.8 G25
English summary.
Statistics on acreage.
- 49650 WINKLER, G. The cucumber year—backward and forward look. (Ge) Indus. Obst- Gemuseverwertung 50(24):933-936. Dec.16,1965. 389.8 K832
- 49651 WINKLER, G. Fruit juices 1965—review of the situation. (Ge) Indus. Obst- Gemuseverwertung 50(24):939-943. Dec.16,1965. 389.8 K832
- 49652 WINKLER, G. Sauerkraut 1965. (Ge) Indus. Obst-Gemuseverwertung 50(24):937-939. Dec.16,1965. 389.8 F832
- 49653 ZENTRALVERBAND DES DEUTSCHEN GEMUSE-, OBST- UND GARTENBAUES. Jahresbericht [Annual report] 1965. Bad Gotesberg, 1966. 180 p. 286.9 V58

Analysis and Composition

- 49654 ANDREOTTI, R., and AGOSTI, R. Perfecting of the tenderometer; model food canning experiment station; evaluation of the hardness of canned peas. (It) Indus. Conserve 40(2):103-106. Apr./June 1965. 389.8 In23
English summary.
- 49655 BENK, E. On the composition of the ash of natural orange juices with special reference to sodium content. (Ge) Indus. Obst- Gemuseverwertung 51(2):31-34. Jan.20,1966. 389.8 K832
- 49656 CHMIELNICKA, J. Effects of sulfur dioxide on ascorbic acid content and on activity of peroxidase in strained pulp from tomatoes. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):13-21. Ref. 1964. 449.9 W26
English summary.
- 49657 DAS, A., and GUPTA, U. K. S. Structure of the polysaccharides from unripe mango (*Mangifera indica* Linn). III. Chem. Soc. Jap. Bull. 38(7):1077-1081. July 1965. 385 T57B

- 49655 GONTEA, I. Nutritive value of fruit. (Rum) Gradina Via Livada 14(5):4-9. May 1965. 80 G75
Composition.
- 49659 GORTAUF, M., and DUDEN, R. Formation of hexanal and trans-hexene-2-al-1 in apple juice preparation. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(5):257-261. Ref. 1965. 384 Z39
Flavor components.
- 49660 GUPTA, U. K., and DAS, A. The pectic acid from the pulp of jackfruit (*Artocarpus integrifolia*). Chem. Soc. Jap. Bull. 38(7):1074-1077. July 1965. 385 T57B
- 49661 HEINTZE, K. Determination of sulfuric acids in dried vegetables. (Ge) Indus. Obst- Gemüseverwertung 51(4):89-91. Feb. 17, 1966. 389.8 K832
- 49662 HEINZ, D. E., SEVENANTS, M. R., and JENNINGS, W. G. Preparation of fruit essences for gas chromatography. J. Food Sci. 31(1):63-68. Jan./Feb. 1966. 389.8 F7322
Volatile substances.
- 49663 HEINZ, D. E., and JENNINGS, W. G. Volatile components of Bartlett pear. V. J. Food Sci. 31(1):69-80. Ref. Jan./Feb. 1966. 389.8 F7322
- 49664 HOLZL, J., BANCHER, E., and WASHUTTL, J. Analysis of the P and N content of potato and wheat starch in relation to their coloring. (Ge) Stärke 17(12):373-377. Ref. Dec. 1965. 309 St22
English summary.
- 49665 HSU, R. Y., CLELAND, W. W., and ANDERSON, L. Mechanism of action of the nonspecific phosphomonoesterase from potatoes. Biochemistry 5(2):799-807. Ref. Feb. 1966. 381 B523
- 49666 KARKOCHA, I., and MLODECKI, H. Studies on nutritive value of some Polish mushrooms. II. Content and digestibility of nitrogenous substances in *Cantharellus cibarius* and *Agaricus bisporus*. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):27-32. 1964. 449.9 W26
English summary.
- 49667 KITSON, J. A. Texture of canned solid pack apples. Food Res. Notes 12:4. Sept. 1964. 389.8 F7348
- 49668 KUPPERS-SONNENBERG, G. A. High alcohol yield from Jerusalem artichokes: "Waldspindel" variety and its sugar content. (Ge) Branntweinwirtschaft 106(3):62-63. Feb. 10, 1966. 390.8 B7322
- 49669 KUROI, M., and URITANI, I. Isolation and identification of two coumarin derivatives from Japanese chestnuts [*Castanea crenata*]. Agr. Biol. Chem. 30(1):78-82. Jan. 1966. 385 Ag8B
- 49670 LOTTI, G., AVERNA, V., and BAZAN, E. Lipide composition and analytical characteristics of Sicilian almonds. (It) Olearia 19(9/10):181-188. Ref. Sept./Oct. 1965. 307.8 OL2
English summary.
- 49671 LUPEA, V., and others. Contributions to the study of some mycological aspects shown by the tomato paste and juice. (Rum) Indus. Aliment. 16(7):345-349. Ref. July 1965. 389.8 In26
D. Schiopu, I. Palagesiu, E. Nica, M. Albu, and E. Fernolendt, joint authors.
English summary.
Review of literature.
- 49672 MONDY, N. I., GEDDE-DAHL, S. B., and MOBLEY, E. O. Effect of storage temperature on the cytochrome oxidase and polyphenol oxidase activities and phenolic content of potatoes. J. Food Sci. 31(1):32-37. Ref. Jan./Feb. 1966. 389.8 F7322
- 49673 MORITA, K., and KOBAYASHI, S. Isolation and synthesis of lenthionine, an odorous substance of shiitake [*Lentinus edodes*] an edible mushroom. Tetrahedron Lett. 6:573-577. Feb. 1966. 385 T29
- 49674 PERPY, J. S., and HALL, C. W. Mechanical properties of pea beans under impact loading. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):191-193. 1965. 290.9 Am32T
- 49675 PFLUG, I. J., and SCHMIDT, E. D. pH as a function of acetic acid concentration in fresh cucumbers and salt stock pickles. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):247-254. Nov. 1965. 100 M58S
- 49676 POPESCU, C. V. Determination of the commercial ripeness of fruit. (Rum) Gradina, Via Livada 14(4):75-78. Apr. 1965. 80 G75
Testing equipment.
- 49677 RASERO, F. S., and MONTEOLIVA, M. Comparative frying study with several cooking fats. II. Chemical modifications in potatoes and oils during frying. (Sp) An. Bromatol. 17(4):421-458. Ref. 1965. 389.8 An1
English summary.
- 49678 SIEGEL, M. pH of canned tomatoes—a study. Canning Trade 88(17):12-13. Feb. 21, 1966. 286.83 T67
- 49679 SOMAATMADJA, D., POWERS, J. J., and WHEELER, R. Action of leucoanthocyanins of Cabernet grapes on reproduction and respiration of certain bacteria. Amer. J. Enol. Viticult. 16(2):54-61. Apr./June 1965. 390.9 Am33
- 49680 SULC, S. The influence of temperature, time and degree of maturity on the nutritional value and enzymatic activity in sweet corn. Int. Congr. Refrig. Proc., 11th Congr., v. 2:805-810. Ref. 1963, pub. 1965. TP490.15
Frozen corn.
- 49681 TAVERNA, G. Organic nitrogen compounds of tomato juice and changes to which they are subject in the course of heat concentration. (It) Conserve Deriv. Agrumari 15(3):112-116. July/Sept. 1965. 389.8 C7622
- 49682 TAVERNA, G. The reactivity of amino acids and glucose in the determination of the dry solids of vegetable juices (experimental contribution). (It) Conserve Deriv. Agrumari 15(3):109-112. Ref. July/Sept. 1965. 389.8 C7622
- 49683 UL'YANOVA, D. A. Selection of fruit-berry crops for the production of liquid-fruit products. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:451-456. 1965. 20 M857
In relation to vitamin content.
- 49684 VANDERCOOK, C. E., and others. Lemon juice composition. V. Effects of some fruit storage and processing variables on the characterization of lemon juice. J. Food Sci. 31(1):58-62. Jan./Feb. 1966. 389.8 F7322
L. A. Rolle, H. L. Postlmayr, and R. A. Utterberg, joint authors.
- 49685 VASILIU, G., and others. Spectrographic proportioning of tin in tinned vegetables. (Rum) Indus. Aliment. 16(8):432-434. Aug. 1965. 389.8 In26
M. Ungureanu, M. Birca, E. Toma, D. Sahlean, N. Velicar, and V. Sahlean, joint authors.
English summary.
Peas.
- 49686 VOGEL, J., and DESHUSSES, J. Modification of the method of determining biphenyl in citrus by gas phase chromatography. (Fr) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3):185-189. 1965. 389.9 Sw6
English summary.
- 49687 VOLOSOV, YU. V. Mechanical strength of stored potatoes. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:445-450. 1965. 20 M857
- 49688 WILLHALM, B., PALLUY, E., and WINTER, M. Research on aromas. 12. On the aroma of fresh strawberries; identification of the volatile acids and other compounds. (Fr) Helv. Chim. Acta 49(fasc. Emile Cherbuliez):65-67. Jan. 22, 1966. 385 H36

Consumption and Utilization

- 49689 ALBACH, R. F., and GRIFFITHS, F. P. A review of citrus research activities of the U.S. Fruit and Vegetable Products Laboratory, Weslaco, Texas. Rio Grande Val. Hort. Soc. J. 19:25-32. Ref. 1965. 81 L95
A review of literature on utilization research.

- 49690 DROSSLER, R. A. Consumer evaluation studies of apple-grapefruit juice blends. Va. Fruit 54 (2):81-83. Feb.1966. 81 V81B
- 49691 GIBBONS, E. T. Survey of maincrop potato consumers in Nottingham. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 34:1-12. Autumn 1965. 281.9 N842

Distribution, Marketing, and Transportation

- 49692 BEALS, G. Fruit cocktail promotion--Europe. Pear Growers League. Annu. 1966:17-18. 286.3939 P31
- 49693 BELLAIS, A. W. Chicagoland—a creature of our time. United Fresh Fruit Veg. Ass. Yearbook 1966:73-74,76,78,80,90,map. 280.3939 Un3
Includes marketing of fruit and vegetables.
- 49694 BLOOM, G. Age of dialogue; elimination of waste is primary objective of cooperation. United Fresh Fruit Veg. Ass. Yearbook 1966:61-62. 280.3939 Un3
In retail and wholesale marketing.
- 49695 BRAUN, P. Fines for retailing sized overseas apples by the piece? (Ge) Fruchthandel 17:760-761. Apr.23,1965. 286.83 F9428
Instead of by weight.
- 49696 BROOKE, D. L. Florida truck crop competition. 1. Inter-state and foreign. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC66-2,30 p. Nov.1965. 281.9 F663
Vegetables and fruits; statistical.
- 49697 CALIFORNIA CANNING PEAR ASSOCIATION. 1966 annual. Santa Clara, Calif., 1966. 64 p. 286.3939 P31
Central Coast Pear Association, cooperating.
- 49698 CARTER, J. P. Transportation in evolution. West. Grower Shipper 37(2):21-22. Feb.1966. 280.38 W52
Of fruits and vegetables from California.
- 49699 CHAPMAN, W. F., GODWIN, M. R., and MANLEY, W. T. Competitive relationships and alternatives in marketing Florida oranges. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. 66-4, 37 p. Dec.1965. 281.9 F663
U. S. Department of Agriculture and Florida Citrus Commission, cooperating.
Includes statistics for Florida and California oranges.
- 49700 COLLINS, R. E. Food marketing revolution. Pear Growers League. Annu. 1966:3-4. 286.3939 P31
Pears.
- 49701 CUSSON, J., and QUENARDEL, B. Marketing of asparagus by the agricultural cooperative of Loir and Cher. (Fr) Avenir Agr. 6:31-32. Nov./Dec.1965. 14 Av32
- 49702 DOMINICK, B. A., and WILLIAMS, D. W. Futures trading and the Florida orange industry. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-6,79 p. Ref. Dec.1965. 281.9 F663
Florida Citrus Commission, cooperating.
- 49703 DUBE, G. Continuous training. United Fresh Fruit Veg. Ass. Yearbook 1966:299-300,302. 280.3939 Un3
For retail marketing.
- 49704 FLETCHER, S. W., and others. Mechanical behavior of selected fruits and vegetables under fast rates of loading. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):324-326,331. Ref. 1965. 290.9 Am32T
N. N. Mohsenin, J. R. Hammerle, and L. D. Tukey, joint authors.
- 49705 GALLOWAY, R. A. Cleveland; the city and the branch. United Fresh Fruit Veg. Ass. Yearbook 1966:251,254,257-258. 280.3939 Un3
Market.
- 49706 GIRTON, C. We can't go it alone. Pear Growers League. Annu. 1966:5-6. 286.3939 P31
California Canning Pear Association.
- 49707 GRECO, A. Understanding action is needed for success. United Fresh Fruit Veg. Ass. Yearbook 1966:10-12,14. 280.3939 Un3
In marketing.
- 49708 GRILLENZONI, M. The problem of transportation in the horticultural economy of the South: the Rivalta Scrivia center. (It) Genio Rurale 28(12):1040-1054,map. Dec.1965. 281.8 R522
- 49709 GROWERS ADMIN. COMMITTEE (LAKE-LAND, FLA). Report on examination July 31, 1965. Winter Haven, Fla., 1965. various paging. 281.3939 G91R
Citrus.
- 49710 HILL, C. H. New peach products and their potential for increasing peach consumption. Va. Fruit 54(2):98-100. Feb.1966. 81 V81B
- 49711 HOARD, B. U.S. promotion program for fruit cocktail. Pear Growers League. Annu. 1966:11-12. 286.3939 P31
- 49712 HU, C. C. Citrus marketing in Taiwan. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:146-190. Apr.1965. 22.5 T137
- 49713 HU, C. C. Inspection and marketing of Taiwan bananas. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:92-121. Apr.1965. 22.5 T137
- 49714 IMMING, B. J. Now it's dialogue; let's talk to each other, not about each other. United Fresh Fruit Veg. Ass. Yearbook 1966:42-44. 280.3939 Un3
Work of the Fresh Industry Promotion Committee.
- 49715 KRAAIJEVELD, H. Oranges in the EEG market regulation for vegetables and fruit. I. (Du) Econ.-Statist. Ber. 51(2529):187-191. Feb.16, 1966. 280.8 Ec722
- 49716 LIAO, S. I. Research on marketing costs of Taiwan "Feng" pears. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:1-18. Apr.1965. 22.5 T137
- 49717 LIPOWICZ, R. Present refrigerating problems of transport by sea. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.3:1785-1787. 1963,pub. 1965. TP490.I5
English summary.
- 49718 MONTGOMERY, R. A. Brokers are busy. United Fresh Fruit Veg. Ass. Yearbook 1966:111. 280.3939 Un3
- 49719 MORRISON, S. W. A "foreigner" looks at national apple promotion. Va. Fruit 54(2):45-51. Feb.1966. 81 V81B
- 49720 NATIONAL GRAPE CO-OPERATIVE ASSOCIATION. 1964 Annual report. Westfield, N. Y., 1964. 13 p. 280.29 N218
- 49721 NEALE, M. W. The institutional market. United Fresh Fruit Veg. Ass. Yearbook 1966:105-106. 280.3939 Un3
Competition from processed fruit and vegetables.
- 49722 O'BRIEN, M., GENTRY, J. P., and GIBSON, R. C. Vibrating characteristics of fruits as related to in-transit injury. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):241-243. 1965. 290.9 Am32T
- 49723 PACKARD, C. L. What a new cooperative industry meant to our community. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964. U. S. Department of Agriculture, p.48-52. 1965. A280.2 F22
Cove Apple Packers Cooperative, Martinsburg, Pennsylvania.
- 49724 RAINS, A. T. Harnessing industry horsepower. United Fresh Fruit Veg. Ass. Yearbook 1966:17-18. 280.3939 Un3
Promotion and publicity.
- 49725 REPUBLIC OF SOUTH AFRICA, CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Dried Bean Control Board for the financial year 1st April. 1963 to 31st March. 1964 and the balance sheet as at 31st March, 1964. Pretoria, 1965. 9 p. 280.3919 So8
Text also in Afrikaans.

- 49726 REPUBLIC OF SOUTH AFRICA. CONTROL-
LER AND AUDITOR-GENERAL. Report on the
accounts of the Dried Fruit Board for the finan-
cial year 1st December, 1962 to 30th Novem-
ber, 1963. Pretoria, 1965. 15 p.
286.3939 So83W
Text also in Afrikaans.
- 49727 ROMNEY, W. F. Consumer public relations.
United Fresh Fruit Veg. Ass. Yearbook 1966:
97-98,100. 280.3939 Un3
In marketing.
- 49728 ROTH, N. Terminals build for the future.
United Fresh Fruit Veg. Ass. Yearbook 1966:
211-212,214, map. 280.3939 Un3
- 49729 SCHURMANN, A. In relation to the market
regulation for French fruit and vegetables.
(Ge) Obstbauversuchsring Alten Landes. Mitt.
20(6):235-240. June 1965. 85 J76
- 49730 SEELIG, R. A. Shipments—unloads. United
Fresh Fruit Veg. Ass. Yearbook 1966:158-159,
map. 280.3939 Un3
- 49731 SMITH, W. L. Control of decay of peaches
during transit and marketing. Va. Fruit 54(2):
95-97. Feb.1966. 81 V81B
Storage disease.
- 49732 SOLARI, G. 1966 Artichoke Week promotion
plans. Prod. Marketing 9(3):27,29. Mar.1966.
280.38 P943
National Artichoke Week.
- 49733 SPRAGUE, F. D. Canned pear promotional re-
port 1964-65. Pear Growers League. Annu.
1966:25-26. 286.3939 P31
- 49734 TSUSHIMA, H. Positive researches for the
marketing structure of the fruits; on the coop-
erative marketing of oranges in Ehime Pref.
(Ja) Ehime Univ. Mem. Sect. VI, Agr. 10(1):1-
254. Dec.1964. 107.6 Eh33
English summary.
- 49735 UNITED FRESH FRUIT AND VEGETABLE
ASSOCIATION. 1966 yearbook. Washington,
D. C., 1966. 352 p., map. 280.3939 Un3
- 49736 U. S. CONSUMER AND MARKETING SERV.
1966 acreage-marketing guides, summer and
fall potatoes. U. S. Consum. Marketing Serv.
AMG 50,44 p. Mar.1966. A281.3919 M34
- 49737 U. S. CONSUMER AND MARKETING SERV.
1966 acreage-marketing guides, vegetables for
commercial processing. U. S. Consum. Mar-
keting Serv. AMG 49,35 p. Feb.1966.
A281.3919 M34
- 49738 U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unload
totals for 41 cities, calendar year, 1965. U. S.
Consum. Marketing Serv. C&MS-7,82 p. Mar.
1966. A280.39 C762
- 49739 U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Eastern cities by commodities, States and
months, calendar year, 1965. U. S. Consum.
Marketing Serv. C&MS-3,139 p. Feb.1966.
A280.39 C762
- 49740 U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Midwestern cities by commodities, States
and months, calendar year, 1965. U. S. Con-
sum. Marketing Serv. C&MS-5,140 p. Mar.
1966. A280.39 C762
- 49741 U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Southern cities by commodities, States and
months, calendar year, 1965. U. S. Consum.
Marketing Serv., C&MS-6,103 p. Feb.1966.
A280.39 C762
- 49742 U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Western cities by commodities, States, and
months, calendar year, 1965. U. S. Consum.
Marketing Serv. C&MS-4,66 p. Mar.1966.
A280.39 C762
- Grading, Inspection, Standardization, and Quality
- 49743 ALMASI, E. The browning of fruit. (Fr) Int.
Congr. Refrig. Proc., 11th Congr., v.2:825-
829. Ref. 1963, pub.1965. TP490.15
English summary.
Caused by polyphenols in stored frozen fruit.
- 49744 BOTTICHER, W. Inspection of mushroom and
cranberry crop 1965 in the Bavarian Forest;
characteristics of raspberry juice. (Ge) Indus.
Obst- Gemuseverwertung 50(22):868-872.
Nov.18,1965. 389.8 K832
- 49745 BOYES, W. W. Tainting of fresh fruits when
stored in refrigerated spaces smelling of diesel
oil or paints. Int. Congr. Refrig. Proc., 11th
Congr., v.3:1849-1852. 1963, pub.1965.
TP490.15
Impaired flavor in apples, grapes, and
oranges.
- 49746 GAFFINEL, C. Grading and standarization of
fruits. (Fr) Avenir Agr. 6:43-46. Nov./Dec.
1965. 14 Av32
- 49747 KEFFORD, J. F. Citrus fruits and apples for
processing. Food Preserv. Quart. 25(3):41-50.
Sept.1965. 389.9 Au7F
Quality and properties.
- 49748 KUUSI, T. The most important quality criteria
of some home-grown black-currant varieties.
I-II. Suomen Maataloustieteellinen Seura.
Maataloustieteellinen Aikak. 37(4):264-304.
Ref. 1965. 20 Su7M
- 49749 ORSHAN, J. Factors related to the sorting of
apples. Int. Congr. Refrig. Proc., 11th Congr.,
v.2:819-823. 1963, pub.1965. TP490.15
Grading.
- 49750 OSMAN, A. E. Importance of flavor count de-
termination for the evaluation of apple flavor
concentrate. (Ge) Z. Lebensmittel-Unter-
suchung-Forsch. 128(5):261-264. 1965.
384 Z39
- 49751 PRECHLER, S. Something on fruit grading
equipment. (Ge) Chem. Tech. Landwirt. 16
(8):261-264. Aug.1965. 384 C4292
- 49752 RADIL, B. Grading line for potatoes on farms.
(Cz) Za Vysokou Urodu 13(7):260-262. July 12,
1965. 64.8 Z12
- 49753 SCHWOB, R., and DUPAIGNE, P. Recent find-
ings in the field of fruit and vegetable aromas.
(Fr) Ann. Nutr. Aliment. 19(6):A481-A535.
Ref. 1965. 389.8 An73
Includes discussion.
- 49754 SHIGEYAMA, T., and MURAKAMI, H. On the
quality of papaya fruit and utilization of its un-
ripe fruit in warm region of Japan. (Ja) Mi-
yazaki. Univ. Fac. Agr. Bull. 10(2):295-300.
Mar.1965. 22.5 M6932B
English summary.
- 49755 SILVESTRI, G., and others. Development of the
research program on peas for canning. (It)
Indus. Conserve 40(2):84-89. Apr./June 1965.
389.8 In23
R. Andreotti, A. Pelizzari, G. Bellucci, R.
Agosti, and P. Siviero, joint authors.
English summary.
Varietal quality.
- 49756 SIRTUTAITE, S. S., and SOKOLOVA, N. P.
Indices determining keeping quality of carrots.
(Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad.
K. A. Timiryazeva. Dokl. 102:433-438. Ref.
1965. 20 M857
- 49757 UNITED NATIONS, ECONOMIC COMMISSION
FOR EUROPE. Standardization of perishable
foodstuffs: brussels sprouts. United Nations.
AGRI/WP.1/EUR.STAN. 25,4 p. 1964.
280.39 Un34
- 49758 VAN DER MERWE, H. B., WILMOT, S. W., and
LOMBARD, J. H. Observations on the texture
of canned Bulida apricots. Food Indus. S. Afr.
18(9):66-68. Jan.1966. 389.8 F7372

Packing and Packaging

- 49759 CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control: average cost to pack sweet potatoes. Md. Univ. Ext. Agr. Econ. Inform. Ser. 31,9 p. Nov.1965. 275.29 M36Agr
- 49760 CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control: average cost to pack tomatoes. Md. Univ. Ext. Agr. Econ. Inform. Ser. 30,8 p. Nov.1965. 275.29 M36Agr
- 49761 CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control: average cost to pack whole kernel corn. Md. Univ. Ext. Agr. Econ. Inform. Ser. 29,8 p. Nov.1965. 275.29 M36Agr
- 49762 CULTRERA, R., and GIANNONE, L. The use of steel drums as containers for tomato double concentrate. (It) Indus. Conserve 40(2):94-97. Apr./June 1965. 389.8 In23
English summary.
- 49763 DUVEKOT, W. S. Ventilation of containers for small fruit to facilitate cooling. Int. Congr. Refrig. Proc., 11th Congr., v.2:1199-1203. 1963, pub.1965. TP490.15
- 49764 GENIRY, J. P., MITCHELL, F. G., and SOMMER, N. F. Engineering and quality aspects of deciduous fruits packed by volume-filling and hand-placing methods. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):584-585,589. 1965. 290.9 Am321
- 49765 GINSBURG, L., and KOEPPEN, R. H. Lenticel spot injury on apples in certain tray packs. Int. Congr. Refrig. Proc., 11th Congr., v.2:841-846. 1963, pub.1965. TP490.15
Includes discussion.
- 49766 MOTT, R. L. Piggybacking. United Fresh Fruit Veg. Ass. Yearbook 1966:167,170,172, 174. 280.3939 Un3
- 49767 THOR, E., REVZAN, M., and SIEBERT, J. B. A guide for measuring relative profitability of alternative work methods in agricultural packing and processing operations. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-4,108 p. Ref. Dec.1965. 275.29 C121
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
Citrus.

Prices, Price Control, and Rationing

- 49768 ARLITT, M. "Orange war 1965"—its origins and present effects. (Ge) Obst Gemuse 30(1): 4-5. Jan.1966. 286.83 Ob72
Prices and the European Common Market.
- 49769 COOP, F. A. How to price. United Fresh Fruit Veg. Ass. Yearbook 1966:263-264,266, 268. 280.3939 Un3
- 49770 LIAO, S. I. Research on the price calamity of Taiwan "Feng" pears. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:19-47. Apr.1965. 22.5 T137
- 49771 WIRTEN, A. The potato market is sensitive to individual bids. (Sw) Lantmannen 76(17):9-11. Aug.21,1965. 11 L234
Chiefly prices.

Processing and Storage

- 49772 ALMASI, E., BURITS, O., and SZANTO, MRS. GY. Preserving fruit and vegetables with combined effect of drying and freezing. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet Kozlem. 1:19-22. 1965. 389.9 B85
English summary.
- 49773 ANDRIASYAN, M. G., and MASHKOVICH, I. K. Leaf spot of stored white cabbage. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:415-420. 1965. 20 M857

- 49774 ANQUEZ, M. Review paper on fruit stations. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:1209-1214. 1963, pub.1965. TP490.15
English summary.
Storage and handling.
Includes discussion.
- 49775 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. From grapes to sultanas. Rural Res. C.S.I.R.O. [Commonwealth Sci. Ind. Res. Organ.] 51:23-27, map. June 1965. 23 R88
Processing.
- 49776 BENNETT, A. H., SOULE, J., and YOST, G. E. A prototype commercial forced-air precooler. U. S. Agr. Res. Serv. ARS-52(n.s.)9,11 p. Dec.1965. A289.9 R31
Georgia Agricultural Experiment Stations, and Florida Agricultural Experiment Station, cooperating.
For use in fruit and vegetable packinghouses.
- 49777 BESCHIA, R., and others. Study on the peeling of tomatoes. (Rum) Indus. Aliment. 16(5):242-247. Ref. May 1965. 389.8 In26
B. Segal, V. Alexandru, and G. Razmerita, joint authors.
English summary.
- 49778 BESSHO, H., and KUROSAWA, S. Studies on the protease inhibitor in foods. I. Effect of cooking on the protease inhibitor in potato. (Ja) Jap. Soc. Food Nutr. J. 18(5):33-36. 1966. 389.9 J27
English summary.
- 49779 BOTTINI, E. Nitrogen metabolism of apples during cooling. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:831-835. 1963, pub.1965. TP490.15
English summary.
- 49780 BOTTINI, E. The vitamin content of chilled apples. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:837-839. 1963, pub.1965. TP490.15
English summary.
- 49781 CAIN, R. F., and KIRK, D. E. Parallel-flow drying of Italian prunes. Oreg. Agr. Exp. Sta. Spec. Rep. 209,5 p. Feb.1966. 100 Or3M
- 49782 DALRYMPLE, D. G. The utilization and processing of fruits and vegetables in the Soviet Union. U. S. Fed. Ext. Serv. Mimeo D-18,10 p. Ref. Oct.1965. A280.39 F312
- 49783 DHARKAR, S. D., and others. Development of a radiation process for some Indian fruits: mangoes and sapodillas. J. Food Sci. 31(1):22-28. Ref. Jan./Feb.1966. 389.8 F7322
K. A. Savagaon, U. S. Kumta, and A. Sreenivasan, joint authors.
For sterilization.
- 49784 DICKSON, R. R. Canadian consumers will taste irradiated potatoes next month. Food Can. 26(2):21-24. Feb.1966. 389.8 F7323
- 49785 DOWNEY, I. Canning snap beans. Auburn Univ. Ext. Leaf. YHE-41,4 p. May 1965. 275.29 AL14L
- 49786 DROGE, J. H. Radiation—pasteurizing; its feasibility for fresh strawberries and other produce. United Fresh Fruit Veg. Ass. Yearbook 1966:65-66,68. 280.3939 Un3
- 49787 FOURIE, J. M. Aspects of fruit juice manufacture. Food Indus. S. Afr. 18(9):59,61-62. Jan. 1966. 389.8 F7372
- 49788 FUKUHARA, T., and others. Studies on Japanese pickle "suguki-zuki." 3. Experiment of pickling through the addition of lactic acid bacteria in laboratory scale. (Ja) Jap. Soc. Food Nutr. J. 18(5):1-9. 1966. 389.9 J27
K. Fujiwara, E. Mukai, S. Takada, and S. Yamaguchi, joint authors.
English summary.
- 49789 GERSONS, L. Course in the preservation of foods. 20. Vegetables and fruits. 20.2 Processing of vegetables and fruit. 20.2.6. Processing with the aid of sugar. (Du) Conserva 13(12): 315-319. June 1965. 389.8 C7632
Jam manufacture.

- 49790 GOUNELLE, H., BOUDENE, C., and MARNAY, C. Effect of preservation treatments with boron-based products on the amount of boron and vitamin C in oranges. (Fr) *Ann. Nutr. Aliment.* 19(6,mem.orig.):71-85. 1965. 389.8 An73
- 49791 GREIDANUS, P., and BOER, W. C. Costs and losses in the refrigerated storage of fruits. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2: 1179-1183. 1963, pub. 1965. TP490.I5
Includes discussion.
- 49792 GRIFFITHS, F. P. Processing procedure to retain vitamin C in naranjilla, *Solanum quitoense*, products. *Rio Grande Val. Hort. Soc. J.* 19:33-36. 1965. 81 L95
In Costa Rica.
- 49793 GUILLOU, R., RICHARDSON, H. B., and SMITH, S. Humidity control in fruit cooling and storage. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1185-1189. 1963, pub. 1965. TP490.I5
- 49794 GUSEINOV, A. G. Accumulation of acetaldehyde and ethyl alcohol in stored apples and resistance to anaerobiosis during the process of storage. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:465-470. 1965. 20 M857
- 49795 GUSEINOV, A. G. Intensity of respiration and gas regime of stored apples in wrapping made of polyethylene film. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:457-464. 1965. 20 M857
- 49796 HALL, F. J., and BANKS, L. Cashew nut processing. *I. Trop. Sci.* 7(1):12-26. Ref. 1965. 26 T756
- 49797 HAUPT, H. G. Fruit and vegetable preservation. (Ge) *Indus. Obst- Gemuseverwertung* 50(24):927-933. Dec.16,1965. 389.8 K832
- 49798 HEISS, E. A. Treatment of peaches for decay control and shrinkage. *Va. Fruit* 54(2):97-98. Feb.1966. 81 V81B
Storage diseases; includes defuzzing and waxing.
- 49799 HOVEL, R. A. D. Deep frozen vegetables and fruit. (Ge) *Indus. Obst- Gemuseverwertung* 50(24):948-949. Dec.16,1965. 389.8 K832
Situation.
- 49800 HUET, R., LEDERGERBER, A., and VANDERWEYEN, A. Disinfection of premises and fruits by fumigation with fungicides. (Fr) *Awamia* 15:23-35. Apr.1965. 24 Aw1
English summary.
Oranges.
- 49801 HUNTER, J. H., and IOKO, H. V. Control of potato-storage diseases as affected by air flow, temperature and relative humidity. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):578-580. 1965. 290.9 Am32.1
- 49802 KAINDL, K. International project on irradiation of fruits and fruit juices. (Ge) *Atompraxis* 11(9/10):517-520. Sept./Oct.1965. 334.8 At73
English summary, p.472.
- 49803 KERR, C. Brushes ban bruises. *Prod. Marketing* 9(3):21-22. Mar.1966. 280.38 P843
Conveyors for sorting and packing of fruit.
- 49804 KESHVANI, K. J. Manufacture of tapioca starch from cassava roots. *Nigeria. Fed. Inst. Indus. Res. Tech. Mem.* 23,14 p. Dec.1964. 297.9 N56
- 49805 KINGSBURY, G. Freezing strawberries for winter months. *New Zeal. J. Agr.* 112(1):71,73. Jan.1966. 23 N48J
Home.
- 49806 KIRCHHOFF, H. The disinfection of fruit and vegetables. (Ge) *Gesundheitswesen Desinfekt.* 57(6):75-80. Ref. June 1965. 449.8 Z36P
- 49807 KLAUSHOFER, H., and SCHALLER, A. Microbiological problems concerning the production of frozen spinach puree. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:811-817. Ref. 1963, pub.1965. TP490.I5
Includes discussion.
- 49808 KOCHUROVA, A. I., KOROBKINA, Z. V., and KANDEVA, R. Effect of potassium metabisulfite on preservation and quality of grapes in long term storage. (Rus) *Khim. Sel'skom Khoz.* 3(11):68-70. Ref. Nov.1965. 385 K524
- 49809 KREBES, T., and BEHUN, M. Quality and manufacture of freeze-dried fruit nectars. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1597-1600. 1963, pub.1965. TP490.I5
Strawberries and currants.
- 49810 KROCHMAL, A. Tapioca—plant of the prehistoric Indians. *Org. Gard. Farming* 13(4):84,86. Apr.1966. 57.8 Or32
Processing.
- 49811 KUBOTA, T., MATSUURA, T., and KAKUNO, Y. Chemical studies on the black rot disease of sweet potatoes. XVII. *Chem. Soc. Jap. Bull.* 38(7):1191-1194. July 1965. 385 T57B
- 49812 LANG, O. The cold handling of fruit and vegetables. (Ge) *Kalte* 19(1):8-10,12-14,16-19. Jan.1966. 295.8 K122
- 49813 LEBLOND, C., and ULRICH, R. The respiratory rate of Williams pears during storage in ambient temperatures or in various atmospheres at 0.7° and 12°, followed by ripening in at 20°C. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:857-865. Ref. 1963, pub.1965. TP490.I5
English summary.
Includes discussion.
- 49814 MACGREGOR, D. R., and KITSON, J. A. Continuous vacuum process for solid-pack apples. *Food Res. Notes* 16:3-4. May 1965. 389.8 F7348
Canada.
- 49815 MADDOX, G. Autumn's bounty enriches the holiday feasts. *United Fresh Fruit Veg. Ass. Yearbook* 1966:114-115. 280.3939 Un3
Cookery and recipes; vegetables used.
- 49816 MARCELLIN, P., and MAZLIAK, P. A study on the process of scald occurrence. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:851-856. 1963, pub.1965. TP490.I5
English summary.
Storage disease of apples and pears.
- 49817 MCCOLLOCH, L. P. Association of stem-cavity browning and brown core of stored McIntosh apples. *Plant Dis. Rep.* 50(3):178-181. Mar.1966. 1.9 P69P
- 49818 MILLIKAN, C. R., and HANGER, B. C. Penetration of post harvest surface applications of ⁴⁵Ca into apple fruits. *Australian J. Exp. Agr. Anim. Husb.* 5(19):479-481. Ref. Nov.1965. 23 Au792
In relation to bitter pit.
- 49819 MONZINI, A., and LALATTA, F. Tests on the cold storage of table grapes—the varieties "Italia" and "Regina." (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:873-879. Ref. 1963, pub.1965. TP490.I5
English summary.
Includes influence of irrigation and fungicides on keeping quality.
Includes discussion.
- 49820 MUTTI, M. Short and long-range trends in the canned tomato industry. (It) *Indus. Conserve* 40(2):132-136. Apr./June 1965. 389.8 In23
English summary.
- 49821 NADKARNI, B. Y. Coconut as a protein source (an attempt to find a simple and efficient processing method for home use). *S. Pacific Bull.* 15(4):34-37. Ref. Oct.1965. 280.8 So89
Used as food.
- 49822 NICOLESCO, L., CRISTEA, S., and ZAMBROWICZ, E. Investigations into the freezing properties of certain varieties of strawberries grown in the Rumanian Republic. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:881-886. 1963, pub.1965. TP490.I5
English summary.
Effect of freezing and storage on quality.

- 49823 NOORDZIJ, P. Carbon dioxide scrubbers in controlled atmosphere storage for horticultural products. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1205-1208. 1963, pub. 1965. TP490.15
Fruit.
- 49824 PELLE, P. A simple form of gas-tight chamber. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1191-1197. 1963, pub. 1965. TP490.15
English summary.
Fruit storage under controlled conditions in France.
Includes discussion.
- 49825 PERCY, M. J., and REDMAN, S. Development of a cassava mill for small processors. *Trop. Agr. [St. Augustine]* 42(2):105-109. Apr. 1965. 26 T754
Trinidad.
- 49826 PERTICARA, G. Present state of knowledge of techniques used at present in the preservation of horticultural products by refrigeration. (Sp) *Rev. Frio* 9(4):133-150. Oct. Dec. 1964. 295.8 R324
English summary.
- 49827 PHILLIPS, W. R. Jacketed storages for fruits and vegetables. *Food Res. Notes* 12:2-3. Sept. 1964. 389.8 F7348
- 49828 POLLACK, R. L., CHASE, G. D., and RABINOWITZ, J. L. Respiration in bruised fruit tissue, a preliminary report. *Atompraxis* 11 (9/10):562-564. Sept./Oct. 1965. 334.8 At73
- 49829 PUBOLS, B. H. Controlled atmosphere storage of apples. U. S. D. A. Econ. Res. Serv. TFS-158:18-22. Jan. 1966. 1.9 Ec752F
- 49830 RADU, I. F. Accomplishments in the technology of production of fruit and vegetables. (Rum) *Gradina, Via Livada* 14(6):4-8. July 1965. 80 G75
- 49831 REHRL, K. Warm air drying of potatoes. (Ge) *Bodenkultur* 16(3):283-289. Sept. 1965. 19 B635
English summary.
- 49832 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Dried Fruit Board for the financial year 1st December, 1963 to 30th November, 1964 and the balance sheet as of 30th November, 1964. Pretoria, 1965. 15 p. 286.3939 So83V
Text also in Afrikaans.
- 49833 SAITO, S., and KANO, F. Biochemical studies on fruits and vegetables after harvest. 1. Variation of content of free amino acids, nonvolatile acids and ascorbic acid during short-period storage of vegetables. (Ja) *J. Agr. Sci. [Setagaya]* 10(2):32-37. Ref. Oct. 1964. 22.5 J824
English summary.
- 49834 SCHWEIGART, F. Comparative investigations on various potato peeling methods. (Ge) *Indus. Obst- Gemuseverwertung* 51(3):59-62. Feb. 3, 1966. 389.8 K832
- 49835 SHAW, M. Live storage; keep merchandise moving at low cost. *United Fresh Fruit Veg. Ass. Yearbook* 1966:287-288, 290. 280.3939 Un3
- 49836 SHERRILL, C. M. The importance of processing to the Lower Rio Grande Valley. *Rio Grande Val. Hort. Soc. J.* 19:37-39. 1965. 81 L95
Fruits and vegetables.
- 49837 SHIGEYAMA, T., and MURAKAMI, H. Some studies on the processing of tropical and subtropical fruits grown in the warm region of Japan. (Ja) *Miyazaki. Univ. Fac. Agr. Bull.* 11(1/2):296-314. Ref. Dec. 1965. 22.5 M6932B
English summary.
- 49838 SMITH, R. E., and BENNETT, A. H. Mass-average temperature of fruits and vegetables during transient cooling. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):249-252, 255. Ref. 1965. 290.9 Am32T
- 49839 SODIN, GY. Possibilities of cooperation between the canning factory and the refrigerating plant in Kecskemet. (Hu) *Elmezeesi Ipar* 19 (12):374-381. Dec. 1965. 290.9 M57
English summary.
Fruit.
- 49840 STOLL, K., and SCHUEPP, H. Air purification in storage rooms. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1147-1150. 1963, pub. 1965. TP490.15
Fruits and vegetables.
- 49841 THRASH, N. Canning tomatoes at home. *Ga. Univ. Ext. Circ.* 555, 4 p. Feb. 1966. 275.29 G29C
- 49842 TREPTOW, H. Pyrocarbonic acid diethyl ester (PCE), a technical aid for preservation of bottled fruit juices, fruit juice beverages, lemonades, and fruit wines. (Ge) *Indus. Obst- Gemuseverwertung* 51(4):105-106. (Concl.) Ref. Feb. 17, 1966. 389.8 K832
- 49843 TRIFIRO, E., and LANDI, S. Acidification of fruit nectars with lemon juice. (It) *Indus. Conserve* 40(2):90-93. Apr./June 1965. 389.8 In23
English summary.
- 49844 VAN DER MEER, Q. P. Ripening before and after cooling. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:847-850. 1963, pub. 1965. TP490.15
Apple and pear storage.
- 49845 VANDERWEYEN, A., HUET, R., and LEDERGERBER, A. Test with 2-aminobutane for control of green mold of citrus fruits. (Fr) *Awamia* 14:19-28. Jan. 1965. 24 Aw1
English summary.
Caused by *Penicillium digitatum*.
- 49846 WILLIAMS, E. W. Improved quality juice expected—pack estimated at 79-84 million gallons—inventories moderate. *Quick Frozen Foods* 28(6):34-40. Jan. 1966. 389.8 Q4
Chiefly concentrated orange juice.

Statistics

- 49847 AUSTRALIA. BUR. OF CENSUS OF STATISTICS. Statistical bulletin: the fruit growing industry Australia, No. 20, season 1963-64. Canberra, 1965. 19 p. 271 Au72Sum
- 49848 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. HORTICULTURAL BR. Production of small fruits, grapes and filberts together with an estimate of farm value, 1965. Victoria, 1966. 6 p. 253.1 Ag832P
- 49849 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. HORTICULTURAL BR. Production of tree fruit crops together with an estimate of farm values, 1964. Victoria, 1965. 9 p. 253.1 Ag832Pr
- 49850 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbau und Weinbau [Horticulture and grape culture], 1963. Stuttgart, 1965. 64 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 2) 265 G318Gu
- 49851 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbauerhebung 1961. Heft 2. Anbau von Gartengewachsen für den Verkauf [Horticultural census 1961. No. 2. Culture of horticultural plants for sale]. Stuttgart, 1965. 166 p. (Land- und Forstwirtschaft, Fischerei. Fachserie B) 265 G318Gab
- 49852 JANSEN, J. Composition du verger intensif belge en 1964 [Composition of the intensive Belgian orchard in 1964]. Brussels. Inst. Econ. Agr. Cah. IEA 42(R-16), 64 p., map. Dec. 1965. 281.9 B832
Statistical.
- 49853 NILSSON, F. Fruit production in various countries. (Sw) *Fruktodlaren* 36(6):98-101. Aug. 1965. 86 Sv2F
- 49854 SIEVERS, M. Farm structure in Schleswig-Holstein commercial gardening. (Ge) *Statist. Monh. Schleswig-Holstein* 17(6):126-131, 134-135. June 1965. 265 Sch32Sm

- 49855 THOR, E., and others. Leafy green vegetables, production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-2,91 p. Nov.1965. 275.29 C12I
H. Seney, B. Burlingame, P. S. Parsons, M. J. Snyder, R. H. Sciaroni, R. A. Brendler, A. H. Holland, J. W. Huffman, and G. E. May, joint authors.
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
Includes Brassica: statistics.
- 49856 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: apples. Wash. State Univ. Ext. E. M. 2376,rev.,2 p. Feb.1966. 275.29 W27Mi
- 49857 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: asparagus. Wash. State Univ. Ext. E. M. 2508,rev.,2 p. Jan.1966. 275.29 W27Mi
- 49858 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: strawberries. Wash. State Univ. Ext. E. M. 2367,rev.,2 p. Jan.1966. 275.29 W27Mi
- GRAIN AND GRAIN PRODUCTS
- 49859 ABBOTT, D. C., and JOHNSON, J. A. Gel filtration of the water-soluble protein fraction of wheat flour. J. Food Sci. 31(1):38-47. Ref. Jan./Feb.1966. 389.8 F7322
- 49860 ACKER, L., and BEUTLER, H. O. On the lipase activity in grain products in relation to relative humidity. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:11-18. 389.9 Ar1
- 49861 ALINK, B. W. Drying and storage of grain, seeds and legumes, an important phase of production, marketing and processing of these products. (Du) Stichting Ned. Graan-Cent. Meded. 15:54-59. 1964. 59.9 St52M
- 49862 AMOS, A. J. Statutory additives; the millers' sword of Damocles. Milling 146(5):109-110. Feb.4,1966. 298.8 M622
- 49863 AMSTERDAM. CENTRAAL BROUWERIJ KANTOOR. Tables summarizing data of the 1964 malting barley crop. (Du) Nat. Inst. Brouwerij, Mout Bier—T.N.O. Jaarb. 30:105-136. 1966. 390.9 N21
- 49864 ANDERSON, R. A., and PFEIFER, V. F. Effect of dry and wet fractionation on the strontium-90 content of wheat: how fallout affects the bread grain. Amer. Miller Processor 94(3):9-10,30. Mar.1966. 298.8 Am32
- 49865 ANGERMANN, A., and SPICHER, G. Buffering and dough leavening. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:109-122. 389.9 Ar1
- 49866 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Bericht über die Getreidechemiker-Tagung vom 1. bis 3. Juni 1965 in Detmold [Report on the Grain Chemistry Conference from June 1 to 3, 1965, Detmold]. Detmold, 1965. 145 p. 389.9 Ar1
- 49867 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG E. V. Bericht über die Getreidechemiker-Tagung vom 2. bis 4. Juni 1964 in Detmold [Report on the Grain Chemistry Conference from June 2 to 4, 1964 in Detmold]. Detmold, 1964. 239 p. Ref. 389.9 Ar1
- 49868 ARIAS, J., and ZAPATA, M. Oats. (Sp) Agr. Trop. 21(11):633-635. Nov.1965. 26 Ag8
Industry in Colombia.
- 49869 BARAT, H. The protection of foods in storage. (Fr) Agron. Trop. [Paris] 20(10):1044-1045. Oct.1965. 26 Ag86
Corn and cowpeas.
- 49870 BELOHLAWEK, L. Change in substrate specificity of proteolytic enzyme systems during germination and malting. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:19-25. Ref. 389.9 Ar1
- 49871 BOLLING, H., and SPRINGER, F. Method for determining particle size distribution in flours. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:47-54. 389.9 Ar1
- 49872 BOLLING, H., and ZWINGELBERG, H. On the relation of grain properties to milling results. III. The influence of grain hardness variability to milling result. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:41-55. Ref. 389.9 Ar1
- 49873 BOLLING, H. Sediment value—problems of method and practical results. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:61-71. 389.9 Ar1
Wheat.
- 49874 BROCKINGTON, S. F. A quality product requires sanitary ingredients. Northwest. Miller 273(3):35-37. Mar.1966. 298.8 N81
Chiefly flour.
- 49875 BURE, J. The lipides of flour and their importance in baking. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:89-108. Ref. 389.9 Ar1
- 49876 CAIN, D. Field shelling gluts the market. Doane's Agr. Rep. 28(26):12-14. Sept.8,1965. 281.8 D652
Corn storage problems.
- 49877 CALDERON, M. Rapport au Gouvernement du Dahomey sur la protection des grains en entrepot [Report to the Government of Dahomey on protection of grains in storage]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2059,14 p. 1965. 281.9 F733E
- 49878 CALVEL, R. Properties of flour of the 1965-66 harvest for bread making. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 208:169-170. July/Oct.1965. 298.9 P21
- 49879 CANADA. BOARD OF GRAIN COMMISSIONERS. Canadian wheat cargoes, 1964-65. Can. Board Grain Comm. Grain Res. Lab. Quart. Bull. 67, 14 p. Nov.1/Jan.31,1964-65. 286.81 C164
Text also in French.
Statistics.
- 49880 CANADA. BOARD OF GRAIN COMMISSIONERS. STATISTICS DIV. Interim report on grain elevators in Canada as at December 1, 1965. Winnipeg, 1965. 11 p. 225 C1633
- 49881 CAPEL, R. E. A review of "Regional Changes in Grain Production: an Application of Spatial Linear Programming." N. C. State Univ. Agr. Policy Inst. Ser. 17:177-178. Apr.1965. 281.9 N8122
- 49882 CHRETIEN, A. Storage and handling of flour. (Fr) Tech. Meun. 105:9-14. Jan./Feb.1966. 298.8 T22
- 49883 CZAJA, A. T. New methods in grain microscopy. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:1-10. Ref. 389.9 Ar1
- 49884 DAHL, S. Determining moisture in solid materials by reaction with calcium carbide. Amer. Leather Chem. Ass. J. 61(2):75-89. Ref. Feb.1966. 303.9 Am32
Includes grain.
- 49885 DAY, D. L., and NELSON, G. L. Desorption isotherms for wheat. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):293-297. Ref. 1965. 290.9 Am32T
- 49886 DAY, D. L., and NELSON, G. L. Predicting performance of cross-flow systems for drying grain in storage in deep cylindrical bins. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):288-292,297. 1965. 290.9 Am32T
- 49887 DESHPANDE, S. A. Co-operative rice mills in Vidarbha. Gokhale Inst. Polit. Econ. J. 7(3):232-247. Sept.1965. 280.9 G56A
- 49888 DREWS, B., and PIEPER, H. J. Further research on the influence of gibberellic acid on the preparation of distillery malts. I. (Ge) Branntweinwirtschaft 105(10):257-260. Ref. May 25,1965. 390.8 B7322
- 49889 DREWS, E. The importance of mucins for the evaluation of rye quality. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:19-31. Ref. 389.9 Ar1

- 49890 DULUTH BOARD OF TRADE. Annual report; list of members, and firm and corporation members and individuals who do business in their own names, for the year ending December 31, 1965. Duluth, 1966. 36 p. 287 D88R
Includes grain statistics.
- 49891 ESTRADA, F. Rice. (Sp) Agr. Trop. 21(11): 627-632. Nov. 1965. 26 Ag8
Industry in Colombia.
- 49892 FAIRCLOUGH, J. Warehousing; all bulk or paper bags in five years. Milling 146(8):188-189. Feb. 25, 1966. 298.8 M622
Of flour.
- 49893 FARMERS COOPERATIVE GRAIN DEALERS ASSOCIATION OF OKLAHOMA. 1966 directory. Enid, 1966. 51 p. 225 F226
- 49894 FELDMANN, F. Grain drying. (Ge) Chem. Tech. Landwirt. 16(8):235-240. Aug. 1965. 384 C4292
- 49895 FLEMING, J. R., and JOHNSON, J. A. Research on grain enzymes with the agar diffusion test. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:41-46. 389.9 Ar1
- 49896 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO rice report 1965. Rome, 1965. 37 p. Ref. 281.3599 F73F
- 49897 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The world rice economy in figures, 1909-1963. Food Agr. Organ. UN. Commod. Reference Ser. 3,134 p. 1965. 251 F73Co
Text also in French and Spanish.
- 49898 FRITSCH, E. Demonstration models of grain corns. (Ge) Getreide Mehl 16(2):14-16. Feb. 1966. 298.8 G332
- 49899 FUCHSER, H. Transport of "loose grain." (Ge) Grune 93(23):828-830. June 4, 1965. 17 Sch9
- 49900 GAZANCHIYANTS, M. G., and others. An apparatus for the treatment of finely dispersed plant materials. (Rus) Gidrolizn. Lesokhim. Promysh. 6:5-6. 1965. 301.8 G36
A. M. Lastovtsev, I. G. Martynushin, A. N. Planovskii, V. V. Kharakoz, and E. E. Shneider, joint authors.
Corn cob lignocellulose used as experimental materials.
- 49901 GEOFFROY, R. Types of flour made in France. (Fr) Tech. Meun. 105:5-8. Jan./Feb. 1966. 298.8 T22
- 49902 GESSLEIN, S. The falling number method and the harvesting date. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(3):2-5. 1965. 12 L29
- 49903 GLOTZBACH, J. Available storage and drying capacity and future needs. (Du) Stichting Ned. Graan-Cent. Meded. 15:7-16. 1964. 59.9 St52M
Grain.
- 49904 GRUNE, A. New procedures in the field of paper chromatography, especially for grain components. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:27-39. Ref. 389.9 Ar1
- 49905 HAMPEL, G. Research on the quality of white rice. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:83-102. 389.9 Ar1
- 49906 HEADLEY, V. E., and HALL, C. W. An equation and dimensionless parameters describing infrared vibration drying. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):520-523. 1965. 290.9 Am32T
Corn.
- 49907 HENDERSON, S. M. Air-flow and pressure patterns for perforated grain-drying tunnels. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):538-541. 1965. 290.9 Am32T
- 49908 HENOECH, R. L. Strategy for improving wheat crop quality mapped by Minneapolis staff. Amer. Miller Processor 94(3):11-13. Mar. 1966. 298.8 Am32
- 49909 HORIUCHI, H., SAITO, C., and TANI, T. Studies on the cereal starches. VI. Rheological properties of barley starch. (Ja) Agr. Chem. Soc. Jap. J. 39(10):371-377. Ref. 1965. 385 Ag8
English summary.
- 49910 HURTIG, H. Pesticide residues on cereal grains and milled products. Amer. Miller Processor 94(3):28-30, 32. Mar. 1966. 298.8 Am32
- 49911 HURUSAWA, Y., and MIYASHITA, S. Studies on the components of buckwheat. 5. Properties of the starch of buckwheat. 5. (Ja) Jap. Soc. Food Nutr. J. 18(5):49-54. 1966. 389.9 J27
English summary.
- 49912 INTERNATIONAL RICE RESEARCH INSTITUTE. The international bibliography of rice research; 1964 supplement. Los Banos, 1965. 237 p. 241 In826
- 49913 INTERNATIONAL WHEAT COUNCIL. Review of the world wheat situation, 7th, 1964/65. London, 1966. 99 p., map. 286.9 In85
Statistical.
- 49914 IONESCU, N. Increase of grain production as the principal objective of agricultural development. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:15-31. Sept. 16, 1965. (JPRS 32,020, TT 65-32514; CSO 2700-D) 173 J663Ste
Wheat and corn.
Translation from Probleme Economice 7:56-69. July 1965.
- 49915 IRVINE, G. N., and MAREK, C. J. Research with the maturograph and oven drive apparatus. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:55-64. 389.9 Ar1
Flour quality control.
- 49916 ISAACSON, J. D., and BODY, J. S. Mathematical analysis of lateral pressures in flat-bottomed, deep grain bins. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):358-360, 364. Ref. 1965. 290.9 Am32T
- 49917 ISEBAERT, L. Influence of drying and storage on quality of malting barley. (Du) Stichting Ned. Graan-Cent. Meded. 15:29-38. 1964. 59.9 St52M
- 49918 IWASAKI, T., and others. Studies on factors affecting the degree of deterioration of "early season rice" during storage. (Ja) Agr. Chem. Soc. Jap. J. 39(10):365-370. Ref. 1965. 385 Ag8
I. Endo, S. Chikubu, and T. Tani, joint authors.
English summary.
Storage and storage diseases.
- 49919 JEAN, C. V. The Australian wheat marketing system. U. S. Foreign Agr. Serv. FAS-M 171, 23 p., map. Dec. 1965. A281.9 F76Fm
- 49920 JENKINS, G. W., and FORTH, M. W. Infrared drying of shelled corn. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):457-459. Ref. 1965. 290.9 Am32T
- 49921 JULIANO, B. O. The proteins of rice grain. Philippine J. Nutr. 18(4):250-258. Ref. Oct./Dec. 1965. 389.8 N9524
- 49922 JUNKER, F. Quality and handling of grain. (Da) Tolvmandsbladet 37(9):426-428. Sept. 1965. 11 T58
- 49923 KANSAS CITY (MO.) BOARD OF TRADE. Annual statistical report for the year 1965. Kansas City, 1965. 48 p. 287 K13
Grain.
- 49924 KECK, H., and GOSS, J. R. Determining aerodynamic drag and terminal velocities of agromomic seeds in free fall. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):553-554, 557. 1965. 290.9 Am32T
With reference to designing pneumatic conveying systems for grain.
- 49925 KENNEDY, R. Sanitation: its significance in grain handling and storage. Northwest. Miller 273(3):27-30, 32. Mar. 1966. 298.8 N81
- 49926 KENT, N. L. Importance of moisture and pressure in the milling of flour for air classification. Northwest. Miller 273(4):30, 32, 34, 36, 38-39. Apr. 1966. 298.8 N81
- 49927 KOLBACH, P., and ZASTROW, K. Interpretation of deaggregation of malt according to the fine-heavy milling difference obtained by the E.B.C. mill. (Fr) Brasserie 21(230):21, 23-24, 26-28. Jan. 1966. 390.8 B734

- 49928 KOVACS, J. Economic problems of Hungarian bread-grain production. (Hu) *Gazdalkodas* 10 (1):21-33. Ref. Feb.1966. 281.8 G25
English summary.
Situation and outlook.
- 49929 KULKARNI, N. S. Monopoly purchase of jowar. Maharashtra Co-op. Quart. 48(ser.4):227-229. Apr.1965. 280.28 B63
- 49930 KUNZE, O. R., and HALL, C. W. Relative humidity changes that cause brown rice to crack. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):396-399.405. Ref. 1965. 290.9 Am32T
- 49931 LAAN, G. J. J. VAN DER. Some observations from the standpoint of the processing industry. (Du) *Stichting Ned. Graan-Cent. Meded.* 15:60-66. 1964. 59.9 St52M
Baking quality of wheat.
- 49932 LALOYEAU, J. Delivery of flour in bulk. (Fr) *Tech. Meun.* 105:18-20. Jan./Feb.1966. 298.8 T22
- 49933 LANIESSE, P. Actual characteristics of the harvesting of 1965. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 208:165-167. July/Oct.1965. 298.9 P21
Chiefly wheat quality.
- 49934 LORENTZ, P. Flour in bulk; problems in loading. (Fr) *Tech. Meun.* 105:15-17. Jan./Feb.1966. 298.8 T22
- 49935 MAES, E. Falling number method of Hagberg and dextrin value of Lemmerzahl: correlation between results with wheat and the flour milled from it. (Ge) *Getreide Mehl* 16(2):12-13. Feb. 1966. 298.8 G332
- 49936 MALTING BARLEY IMPROVEMENT ASSOCIATION. Quality evaluation of barley varieties and selections grown in 1964. *Malting Barley Impr. Ass. Quality Publ.* 22,21 p. Dec.1965. 390.9 M29
- 49937 MANSHOLT, D. R. Aspects of drying and storage of grain on the farm. (Du) *Stichting Ned. Graan-Cent. Meded.* 15:17-23. 1964. 59.9 St52M
- 49938 MASSIE, D. R., and NORRIS, K. H. Spectral reflectance and transmittance properties of grain in the visible and near infrared. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):598-600. 1965. 290.9 Am32T
In relation to the design of driers.
- 49939 MATVEEF, M. Technological qualities of hard wheat and methods for its evaluation. (Fr) *Potasse* 39(328):189-191. Oct.1965. 57.8 P84
- 49940 MCHANEY, J. G. Economic outlook for rice and wheat in 1966. *Grain Prod. News* 18(7):13,29. Apr.1966. 286.81 G764
- 49941 MUKAI, J. I. A deoxyribonuclease I from rice bran. *Kyushu Univ. Fac. Agr. J.* 13(3):361-368. Ref. May 1965. 107.6 K995
- 49942 NICHOLS, T. E., WEATHERS, C. R., and JONES, E. W. The 1965 wheat program, an analysis of alternatives for grain producers. N. C. Univ. Ext. Agr. Econ. Misc. Publ., 1964,20 p. 281.9 N816M
Acreage adjustments.
- 49943 NUMMI, M., SEPPALA, P., and ENARI, T. Molecular weight of the albumin fraction of barley. *Acta Chem. Scand.* 19(10):2429-2431. Ref. 1965. 385 Ac82
- 49944 PELSSENKE, P. F., BOLLING, H., and ZWINGELBERG, H. On the relation of grain properties to milling results. V. Relations between flour brightness and other milling factors. (Ge) *Getreide Mehl* 16(2):9-12. Ref. Feb.1966. 298.8 G332
- 49945 PICCIONI, M. The culture of malting barley in the South. (It) *Raccolto* 6(9):138-139. Sept.30, 1965. 16 R11
Industry.
- 49946 POMERANZ, Y., CHUNG, O., and ROBINSON, R. J. The lipid composition of wheat flours varying widely in bread-making potentialities. Amer. Oil Chem. Soc. J. 43(1):45-48. Ref. Jan.1966. 307.8 J82
- 49947 RAMIREZ, R. Comments on the corn operation. (Sp) *Agr. Trop.* 21(11):691-692. Nov. 1965. 26 Ag8
Colombia.
- 49948 RAMIREZ, R. Corn. (Sp) *Agr. Trop.* 21(11):683-691. Nov.1965. 26 Ag8
Industry in Colombia.
- 49949 RAMSTADT, P. E. Quality control—grain chemist's key to the future. (Ge) *Arb. Getreideforsch. Ber. Getreidechem.-Tag.* 1965:57-60. 389.9 Ar1
- 49950 RAPEANU, R. Automatic mechanical extractor for the four silos of the new mills of the Rumanian People's Republic. (Rum) *Indus. Aliment.* 16(4):182-186. Apr.1965. 389.8 In26
English summary.
- 49951 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Mealie Industry Control Board for the accounting year 1st May, 1961 to 30th April, 1962 and the balance sheet as at 30th April, 1962. Pretoria, 1964. 45 p. 286.9 So83Ve
Text also in Afrikaans.
- 49952 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Wheat Industry Control Board for the accounting year 1st November, 1959 to 31st October, 1960. Pretoria, 1962. 27 p. 286.9 So83V
Text also in Afrikaans.
- 49953 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Wheat Industry Control Board for the accounting year 1st November, 1961 to 31st October, 1962. Pretoria, 1964. 25 p. 286.9 So83V
Text also in Afrikaans.
- 49954 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Wheat Industry Control Board for the financial year 1st November, 1962 to 31st October, 1963 and the balance sheet as at 31st October, 1963. Pretoria, 1965. 25 p. 286.9 So83V
Text also in Afrikaans.
- 49955 RICE, S. Challenging era lies ahead. *Grain Feed J.* 123(6):11-13. Mar.23,1966. 298.8 G762
- 49956 RICHHARIA, R. H. Central Rice Research Institute, Cuttack. *Bharat Krishak Samaj. Year Book* 1964:536-538. 22 B46
- 49957 ROHRICH, M., and NIEDERAUER, T. Amino acid composition of the flour proteins extracted according to the K. Hess method. (Ge) *Arb. Getreideforsch. Ber. Getreidechem.-Tag.* 1965:1-7. 389.9 Ar1
- 49958 ROHRICH, M., and ESSNER, W. Amount and distribution of SH groups and SS compounds in wheat milled products. (Ge) *Arb. Getreideforsch. Ber. Getreidechem.-Tag.* 1965:9-18. Ref. 389.9 Ar1
- 49959 SAMSONOV, M. M. Comparative study of different modification of sedimentation analysis according to Zeleni. (Rus) *Selek. Semenovodstvo* 1:30-33. Jan./Feb.1966. 61.9 Se5
Wheat.
- 49960 SCHMIEDER, W. Approximate raw protein determination with Orange G for serial analyses of grain. (Ge) *Nahrung* 9(7):721-728. Ref. 1965. 389.8 N142
English summary.
- 49961 SCHMIEDER, W., and ZABEL, S. The practical evaluation of the Zeleny sediment test for the grading of wheats. (Ge) *Nahrung* 9(7):715-720. 1965. 389.8 N142
English summary.
- 49962 SCHMUTZ, W. Evaluation of statistical variations in research results. (Ge) *Arb. Getreideforsch. Ber. Getreidechem.-Tag.* 1964:65-74. 389.9 Ar1
- 49963 SCOTT, J. H. Flour milling trends. 2. Milling 146(4):86,89-90. (Cont.) Jan.28,1966. 298.8 M622
Chiefly equipment.
- 49964 SCOTT, J. H. Flour milling trends. 3. Reduction systems. Milling 146(5):115-117. (Cont.) Feb.4,1966. 298.8 M622

- 49965 SCOTT, J. H. Flour milling trends. 4. Economic aspects of high capacity milling. Milling 146 (6):134-135,137. Feb.11,1966. 298.8 M622
- 49966 SCOTT, J. H. Flour milling trends. 6. Milling 146(8):191-193. (Cont.) Feb.25,1966. 289.8 M622
- 49967 SEIBEL, W., and CROMMENTUYN, A. Experiences with the maturograph and oven drive apparatus on the leavening behavior of various wheat flours. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:141-155. 389.9 Ar1
- 49968 SEIDEMANN, J. Microscopic investigation and determination of rice flour in other grain starches or flours. (Ge) Nahrung 9(8):899-910. Ref. 1965. 389.8 N142
English summary.
- 49969 SHKANTOVA, N. G., and DUDKIN, M. S. Study of chemical composition and properties of hemicellulose in straw and hull of the wheat ear. (Rus) Khim. Sel'skom Khoz. 3(11):60-65. Nov.1965. 385 K524
- 49970 SHOUP, F. K., POMERANZ, Y., and DEYOE, C. W. Amino acid composition of wheat varieties and flours varying widely in bread-making potentialities. J. Food Sci. 31(1):94-101. Ref. Jan./Feb.1966. 389.8 F7322
- 49971 SIERRA F., J. A. Barley. (Sp) Agr. Trop. 21 (11):657-659. Nov.1965. 26 Ag8
Industry in Colombia.
- 49972 SLUYTERS, J. A. F. M. Milling studies on shade-dried parboiled rice in Nigeria. Trop. Agr. [St. Augustine] 42(2):163-170. Apr.1965. 26 T754
- 49973 SPICHER, G., and ANGERMANN, A. Buffering and dough flora. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:123-133. Ref. 389.9 Ar1
- 49974 STEPHAN, H. Possibilities of improving the baking quality of flour from wheat attacked by Hemiptera. (Ge) Getreide Mehl 16(2):16-18. Feb.1966. 298.8 G332
Enzyme action.
- 49975 STICHTING NEDERLANDS GRAAN-CENTRUM. Het drogen en bewaren van inlandse granen, zaden en peulvruchten; verslag van de Centrale Graandag te Utrecht op 3 December 1964, georganiseerd in samenwerking met het Instituut voor Bewaring en Verwerking van Landbouwprodukten [Drying and storage of home grain, seeds and legumes; report on the Central Grain Day at Utrecht on December 3, 1964, organized in cooperation with the Institute for Storage and Processing of Agricultural Products]. Stichting Ned. Graan-Cent. Meded. 15, 86 p. 1964. 59.9 St52M
Discussion, p.67-84.
- 49976 TARASENKO, N. D. Use of micro-method to determine gluten in wheat. (Rus) Selekt. Semenovodstvo 1:39-41. Jan./Feb.1966. 61.9 Se5
- 49977 VELDHUIZEN, H. VAN. Preliminary report on the 1965 malting barley crop. (Du) Nat. Inst. Brouwerst, Mout Bier-T.N.O. Jaarb. 30:7-11. 1966. 390.9 N21
English summary.
- 49978 VENEZUELA, DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas agroecómicas continuas: beneficio de maíz [Current agricultural economic statistics: corn processing], 1964. Caracas, 1965. 40 p. (EEA-65-018) 252.9 P69E
- 49979 WAHL, E. A. Controlled vibration equipment; it's now used to keep dry bulk ingredients flowing. Northwest. Miller 273(4):62-63. Apr. 1966. 298.8 N81
- 49980 WALLER, H. Influence of static pressure and oxygen supply during high steeping on malt quality. (Ge) Monatsschr. Brauerei 18(5):130-137. Ref. May 1965. 390.8 B7323
- 49981 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreage and yield rate of aman rice in West Bengal in 1963-64, volume XIII, Part II. Alipore, 1965. 34 p. 269.52 W52R
- 49982 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreage and yield rate of aman rice in West Bengal in the year 1961-62, volume XI, part II. Alipore, 1965. 87 p. 269.52 W52R
- 49983 WEST BENGAL. STATE STATISTICAL BUR. Report on the sample surveys for estimating acreages and yield rates of aus rice and jute in West Bengal in 1958-1959, Volume VIII. Alipore, 1965. 56 p. 269.52 W52R
- 49984 WIERS, R. J. Ventilated storage on central farms in connection with increased use of combines. (Du) Stichting Ned. Graan-Cent. Meded. 15:43-53. 1964. 59.9 St52M
Grain storage in Netherlands.
- 49985 WILTEN, W. Review of the malting barley crop 1964. (Du) Nat. Inst. Brouwerst, Mout Bier-T.N.O. Jaarb. 30:12-20. 1966. 390.9 N21
English summary.
Quality.
- 49986 WILTEN, W. Yield, statistics and characteristics of barley varieties. (Du) Nat. Inst. Brouwerst, Mout Bier-T.N.O. Jaarb. 30:82-98, map. 1966. 390.9 N21
English summary.
- 49987 WRENCH, P. M. The role of wheat flour pentosans in baking. III. J. Sci. Food Agr. 16(1): 51-57. Ref. Dec.1965. 382 Sol2
- 49988 ZAPATA, M. Wheat. (Sp) Agr. Trop. 21(11): 734-738. Nov.1965. 26 Ag8
Industry in Colombia.
- 49989 ZAUSSINGER, A. Vacuum drying of grain. (Ge) Bodenkultur 16(4):370-386. Ref. Nov. 1965. 19 B635
English summary.
- 49990 ZOSCHKE, M., and IBRAHIM, A. Comparative test of some methods for determining the hull content of barley. (Ge) Z. Acker- Pflanzenbau 123(3):261-268. Feb.1966. 18 J825
English summary.

HONEY AND BEESWAX

- 49991 BOITEUX, R. "Pasteurization" of honey. (Fr) Gaz. Apic. 67(704):14-16. Jan.1966. 424.8 G25
- 49992 DEMIANOWICZ, Z., LECEWICZ, W., and WAKOMSKA, Z. Contribution to the quantitative pollen analysis of buckwheat honeys. (Ge) Z. Bienenforsch. 8(5):148-161. Ref. Jan.1966. 424.8 Z3
English summary.
Polish honey.
- 49993 FOSSEL, A., and RUTTNER, F. Cerinthe minor L., a characteristic nectar plant of the Pannonian flora and alpine arid region. (Ge) Z. Bienenforsch. 8(5):168-177. Ref. Jan.1966. 424.8 Z3
English summary.
Its pollen in honey from Austria.
- 49994 GOCHNAUER, T. A. Honey research in Canada. Food Res. Notes 12:1-2. Sept.1964. 389.8 F7348
- 49995 HAEGER, P. Exciting news from Chattanooga. Amer. Bee J. 106(3):98. Mar.1966. 424.8 Am3
Honey advertising.
- 49996 IPARRAGUIRRE, F. Message from the Argentine beekeepers to their world colleagues. Amer. Bee J. 106(3):94,97. Mar.1966. 424.8 Am3
The Argentine Federation of Apicultural Societies [Federation Argentina de Sociedades Apícolas].
Prices and advertising of honey.
- 49997 WHITE, J. W. Methyl anthranilate content of citrus honey. J. Food Sci. 31(1):102-104. Jan./Feb.1966. 389.8 F7322

LIVESTOCK AND LIVESTOCK PRODUCTS

- 49998 ARANGUREN, C. M. Hernandarias and livestock of the Rio de la Plata. (Sp) Soc. Rural Argent. An. 99(9):31-32. Sept.1965. 9 Sol1
Hernando Arias de Saavedra.

- 49999 BAKER, F. H. Making the right play for "dollar" position. *Cattleman* 52(8):40,52,54. Jan. 1966. 49 C29
The beef cattle business.
- 50000 BAUM, E. C. Industrial engineering key to modern tanning management. *Leather Shoes* 151(12):24,32,36,38,40. Mar.26,1966. 303.8 H53
- 50001 BUTZ, E. L. Never was the future so close as now. *Cattleman* 52(8):39,85. Jan.1966. 49 C29
Meat and other livestock products in today's market.
- 50002 CAPONI, U. Present situation and prospects of increasing livestock production in Italy. (It) *Accad. Naz. Agr. Ann.* 76:37-53. 1965. 16 B632A
- 50003 CHAUVIN, M., and GUYOMARD, Y. Through the United States two years afterwards; enquiry on livestock raising and the animal feed industry. (Fr) *Indus. Aliment. Anim.* 160:25,27-29, 31,33,35,37,39,41,43,45,47,49-51,53-55,57-59, 61-63,65-67. May 1965. 389.78 In2
- 50004 CICORIA, L. Increase in livestock. (It) *Nuova Econ. (n.s.)* 77(12):16-17. Dec.1965. 287 P43
- 50005 DREHMANN, H. The use of the new economic system of the meat industry in the year 1966. (Ge) *Fleischermeister* 20(1):1-2. Jan.1966. 50.8 F622
East Germany.
- 50006 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The world meat economy. *Food Agr. Organ. UN. Comm. Bull. Ser.* 40,151 p. 1965. 389.9 F735Cs
- 50007 GERMANY (FEDERAL REPUBLIC). BUNDESANSTALT FÜR FLEISCHFORSCHUNG, KULMBACH. Jahresbericht [Annual report] 1964. Kulmbach, 1964. 158 p. 18 G313F
- 50008 GIESSEN, L. B. VAN DER, and KRAAIKAMP, E. C. VAN. De economische betekenis van de kalvermesterij [The economic importance of calf fattening]. *Wageningen. Proefsta. Akker-Weidebouw. Publ.* 26,44 p. May 1965. 12 W12
Includes returns.
- 50009 HANSEN, B. L. Report to the Government of Indonesia on animal production. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 1992,11 p. 1965. 281.9 F733E
Proposals for development of livestock industry.
- 50010 HOOGSCHAGEN, P. Where are veal calves fattened? (Du) *Veeteelt Zuivelber.* 8(4):166-168. Apr.1965. 49 V51
- 50011 INTERNATIONAL UNION OF LEATHER CHEMISTS SOCIETIES. Ninth congress, Lyon, September 3-5, 1965. (Fr) *Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform.* 27(11):191-238. Nov.1965. 303.8 B87
Summaries of papers.
- 50012 JAREMA, B. An attempt to evaluate the activity of the meat industry in 1961-1965 and its goals for 1966-1970. (Pol) *Gosp. Miesna* 17(12):1-4. Dec.1965. 50.8 G69
- 50013 JAREMA, B. Evaluation of the activity of the meat industry in 1961-1965 and its tasks for 1966-1970. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 415:19-30. Feb.3,1966. (JPRS 33,977; TT 66-30420; CSO 2600-D) 173 J663Ste
Translation from *Gospodarka Miesna* 17(12): 1-7. Dec.1965.
- 50014 JUILLERAT, M. E. Hogs. *Va. Polytech. Inst. Ext. Va. Farm Econ.* 195:21-23. Jan./Feb. 1966. 275.29 V813
Outlook.
- 50015 KONNICKE, W. The educational map in professional education. (Ge) *Fleischermeister* 19(5): 133-134. May 1965. 50.8 F622
- 50016 LINDHE, B. Problems and possibilities for future meat production. (Sw) *Lantmannen* 76(13):4-7. June 26,1965. 11 L234
- 50017 LITWINOWICZ, J. Present problems of French meat economy. (Pol) *Gosp. Miesna* 17(11):21-22. Nov.1965. 50.8 G69
- 50018 LORINCZ, F. Report on the 11th European Congress of Meat Research Institutes, Belgrade, August 16-21, 1965. IL (Hu) *Husipar* 15(1):36-41. Jan./Feb.1966. 50.8 H95
English summary.
- 50019 MARSHALL, E. G. Hog outlook excellent. *Hog Prod.* 1(3):17. May 1965. 46.8 H675
Canada.
- 50020 MARTIN, J. M., and DANNER, M. J. The Alabama slaughter cattle industry. *Ala. Agr. Exp. Sta. Bull.* 365,27 p.,map. Feb.1966. 100 AL1S
- 50021 MCINTOSH, F. Fat cattle production in Scotland, 1963/64. *Scot. Dep. Agr. Fish. Scot. Agr. Econ.* 15:357-363. 1965. 281.9 Sco3S
Industry including statistics.
- 50022 MITIC, N. Fundamental trends of the development of livestock production. (Se) *Stocarsivo* 19(1/2):1-9. Jan./Feb.1965. 43.8 St6
- 50023 MLYNARIK, J. Some questions of development of the meat industry in the Mongolian People's Republic. (Hu) *Husipar* 15(1):27-30. Jan./Feb. 1966. 50.8 H95
English summary.
- 50024 NATIONAL LIVE STOCK AND MEAT BOARD. More meat for more people; 42nd annual report, 1964-65. Chicago, 1965. 40 p. 50.9 N21
- 50025 NEMETH, L. Increase in cattle breeding deemed possible and desirable. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 361:12-15. May 21,1965. (JPRS 30,195; CSO 2500-D) 173 J663Ste
Policy in Hungary.
Translation from *Figyelo*, Mar.17,1965:8.
- 50026 NEMETH, L. New possibilities in the sphere of horned cattle raising after increasing farm commodity prices. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 422:9-12. Mar.7,1966. (JPRS 34,445; TT 66-30885; CSO 2500-S) 173 J663Ste
Translation from *Magyar Mezogazdasag* 4:15-16. Jan.26,1966.
- 50027 OGER, Y. Dogs and cats in the national economy. (Fr) *Agr. Prat.* 130(1):25-27. Jan.1966. 14 J82
- 50028 OTTO, E., and ZIEGLER, H. Production of slaughter swine according to consumer preferences. (Ge) *Deut. Landwirt.* 17(1):32-34. Jan. 1966. 18 D4822
Weight classes, care and feeding, and costs.
- 50029 REIERSON, R. The cattle feeding outlook. *Cattleman* 52(8):48,88. Jan.1966. 49 C29
The industry.
- 50030 REISCH, E. Agro-economical aspects of cattle production in the Federal Republic of Germany. (Ge) *Zuchtungskunde* 37(9/10):404-415, map. Nov./Dec.1965. 49 Z8
English summary.
Production regions.
- 50031 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report of the accounts of the Livestock and Meat Industries Control Board for the financial year 1st July, 1963 to 30th June, 1964 and the balance sheet as of 30th June, 1964. Pretoria, 1965. 24 p. 286.3409 So8
Text also in Afrikaans.
- 50032 SCHMID, H. Poultry feathers, cattle head hide, and swine bristles—important byproducts. (Ge) *Fleischermeister* 20(1):21. Jan.1966. 50.8 F622
East Germany.
- 50033 SCHWARZ, A. Problems of information in the meat industry. (Ge) *Fleischermeister* 20(1): 17-18. Jan.1966. 50.8 F622
East Germany.
- 50034 SESHAGIRI, L., and VISWANATHAN, N. An insight into the future of the industry. *Tanner* 20(8):245-247,249,251-252. Jan.1966. 303.8 T15
- 50035 VAN DER MEER, Q. P. Some aspects of storage of Conference pears. *Int. Congr. Refrig. Proc., 11th Congr., v.2:867-871.* 1963, pub. 1965. TP490.15

- 50036 SIPOS, J. Situation and perspective of protein-production of animal origin in Hungary. (Hu) Iregszemcse, Delkeletdunantuli Mezogazdasagi Kiserleti Intezet, Kozlemenyek 5(1):44-50. 1965. 105.9 Ir2
English summary.
- 50037 SMITH, E. Reviews reasons for continuing optimism. *Leather Shoes* 150(18):16,18. Oct.30,1965. 303.8 H53
In leather industry.
- 50038 SOUTHERN RHODESIA COLD STORAGE COMMISSION. Twenty-seventh report and accounts, July 1964-June 1965. Bulawayo, 1965. 19 p. 50.9 R34
Statistical and other data on the meat industry.
- 50039 TELLO, M. P. The use of the fauna wealth of Mozambique. (Por) *Gaz. Agr. [Lourenco Marques]* 17(188):17-20. Jan.1965. 24 G25
Raising of wild animals to supplement the decreasing supply of beef cattle.
- 50040 THEILIG, W. On some focal points of the work of the slaughtering and meat and sausage products group in the year 1964. (Ge) *Fleischermeister* 19(7):169-170. July 1965. 50.8 F622
- 50041 TRIERWEILER, J. E., and ERICKSON, D. B. Structural relationships for national and regional beef calf production. *S. Dak. Agr. Exp. Sta. Tech. Bull.* 25,52 p. June 1965. 100 So82
- 50042 VERGHESE, B. G. Cattle diseconomy in India. *Indian Dairyman* 18(1):25-27. Jan.1966. 44.8 In282
- Analysis and Composition
- 50043 AMEMIYA, J. A method for distinguishing meat sausage from the fish mixed one, by trimethylamine-oxide examination. (Ja) *Kagoshima Univ. Fac. Agr. Bull.* 15:75-79. Ref. Dec.1964. 107.6 K114B
English summary.
- 50044 AMERICAN LEATHER CHEMISTS ASSOCIATION. Directory, 1965. Cincinnati, 1965. 205 p. 225 Am374
- 50045 CANTONI, C., and others. Research on the action of micrococaceae on pork fat: (C4-C20) fatty acids and volatile carbonyl compounds. (It) *Indus. Conserve* 40(2):98-102. Ref. Apr./June 1965. 389.8 In23
M. R. Molnar, P. Renon, and G. Giolitti, joint authors.
English summary.
Lipase activity.
- 50046 CANTONI, C., MOLNAR, M. R., and BOLZONI, L. Study on the formation of glycerine following fermentation of glycerides (from glucose and lactose) by micrococaceae and lactobacilli. (It) *Ann. Microbiol. Enzimol.* 14(4/6):199-204. Ref. 1964. 448.3 An73
English summary.
In food.
- 50047 CLABORN, H. V., and IVEY, M. C. Insecticide residues: determination of 2-chloro-1-(2,4-dichlorophenyl) vinyl diethyl phosphate [Shell Compound 4072] and 2,2',4-trichloroacetophenone in animal tissues and milk. *J. Agr. & Food Chem.* 13(4):354-356. July/Aug.1965. 381 J8223
- 50048 FOURNAUD, J., and MORAND-FEHR, C. Contribution to the microbiological study of frozen boned beef meat of French origin-comparison with other sources. (Fr) *Int. Inst. Refrig. Bull. Suppl.* 1965-1:63-75. Ref. 1965. 295.9 In7
English summary.
Includes discussion.
- 50049 GAUGUSCH, Z., and others. Comparative investigations on the microflora of smoked sausages and smoked sausage-meat products. (Pol) *Med. Weter.* 21(6):337-339. Ref. June 1965. 41.8 M463
S. Kafel, E. Ozdzyńska, B. Cader-Strzelecka, and E. Strzelecki, joint authors.
- 50050 HEIDEMANN, E., and KELLER, H. Research on the tanning of collagen fibrils. 2. X-ray research. (Ge) *Leder* 17(1):1-9. Jan.1966. 303.8 L492
English summary.
- 50051 HEIDEMANN, E., and MAGERKURTH, B. The tanning of collagen fibrils with plant tannins. I. Absorption measurement. (Ge) *Leder* 16(12):282-292. Ref. Dec.1965. 303.8 L492
English summary.
- 50052 HERRMANN, C., HOLPERT, D., and PFEIFFER, G. Serological determination of decomposed milk protein in highly heated meat products. (Ge) *Arch. Lebensmittelhyg.* 17(1):12-13. Ref. Jan.1966. 41.8 L49
- 50053 JORDAN, E. F., and others. Kinetics of the aminolysis of hydrogenated tallow by allylamine and other primary amines in methanol. *Amer. Oil Chem. Soc. J.* 43(2):75-81. Ref. Feb.1966. 307.8 J82
B. Artymyshyn, C. R. Eddy, and A. N. Wrigley, joint authors.
- 50054 KOTTER, L., and KREUZER, W. Equipping veterinary investigation centres with apparatus for measuring radioactive contamination of foodstuffs of animal origin. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):633-637. Dec. 1965. 41.8 Z52
English summary.
- 50055 KRZYWICKI, K. Watery structure of pork. (Pol) *Gosp. Miesna* 17(11):18-20. Ref. Nov. 1965. 50.8 G69
- 50056 LAAKKONEN, E. On bacteriological control of hygiene in meat-industry. (Fi) *Suomen Elainlaakarilehti* 72(1):8-11. Jan.1966. 41.8 F49
Swedish summary.
- 50057 LEBERT, F., and GOATER, E. Bacteriological characteristics of frozen boned beef packaged in boxes for military uses. (Fr) *Int. Inst. Refrig. Bull. Suppl.* 1965-1:77-88. 1965. 295.9 In7
English summary.
Includes discussion.
- 50058 LETTNER, F. Comparative research on high loin and carcasses of Austrian Highland breeds. (Ge) *Bodenkultur* 16(4):340-355, map. Ref. Nov.1965. 19 B635
English summary.
- 50059 MAJEWSKA, D. Tightness of cans and methods of investigations. (Pol) *Med. Weter.* 21(7):403-406. Ref. July 1965. 41.8 M463
English summary.
Pork.
- 50060 MALESZEWSKI, J. Changes in residual microflora in canned ground hams stored at 5-6°C. (Pol) *Warsaw. Panstw. Hig. Roczn.* 15(1):33-38. Ref. 1964. 449.9 W26
English summary.
- 50061 MARES, E. Determination of beef tallow in lard with the aid of differential thermal analysis. (Ge) *Nahrung* 9(8):881-887. Ref. 1965. 389.8 N142
English summary.
- 50062 MOLD, J. D., and others. The paraffin hydrocarbons of wool wax. *Biochemistry* 5(2):455-461. Ref. Feb.1966. 381 B523
R. E. Means, R. K. Stevens, and J. M. Ruth, joint authors.
- 50063 NAGHSKI, J., and others. Correlation of differential thermal analysis data with the shrinkage temperature of collagen and leather. *Amer. Leather Chem. Ass. J.* 61(2):64-74. Ref. Feb.1966. 303.9 Am32
A. Wisniewski, E. H. Harris, and L. P. Witnauer, joint authors.
- 50064 PECOT, R. K., JAEGER, C. M., and WATT, B. K. Proximate composition of beef from carcass to cooked meat: method of derivation and tables of values. *U. S. D. A. Home Econ. Res. Rep.* 31,32 p. Ref. Dec.1965. A321.9 Ag8

- 50065 SABETAY, S., and JUSTEAU, Y. A. Egg products and fats. (Fr) *Oleagineux* 20(8/9):519-521. Aug./Sept.1965. 77.8 OL2
As raw material for cosmetics; includes egg composition and processing.
- 50066 SATO, Y., and UMEZAWA, C. Studies on electric resistance and freshness of meat and seafood. (Ja) *Jap. Vet. Med. Ass. J.* 18(7):19-22. 1965. 41.9 J275
English summary.
- 50067 TAKACS, J., and NARAYAN, K. G. Comparative investigations to determine the effectiveness of modified sulfite agar for testing sulfite sensitivity of clostridia. (Hu) *Magyar Allatorv. Lapja* 20(12):564-567. Ref. Dec.1965. 41.8 V644
English summary.
In relation to livestock products sanitation.
- 50068 WALUKIEWICZ, J., and SZYSZLO, K. Microbiological evaluation of cured meat products from Bialystok district during 1960-61. (Pol) *Warsaw. Panstw. Hig. Roczn.* 15(1):49-57. 1964. 449.9 W26
English summary.
- 50069 WEGENER, K. H. Detection of radioactive contamination of foodstuffs of animal origin in State veterinary investigation centres. (Ge) *Zentral. Veterinarmed. Reihe B*, 12(7):629-632. Dec.1965. 41.8 Z52
English summary.
- 50070 YATES, J. R. Routine preparation and staining of sheepskin sections for histological examination. *Soc. Leather Trades' Chem. J.* 49(7):269-274. July 1965. 303.9 Scl2

Consumption and Utilization

- 50071 BARTON, R. A. Aim of beef producers should be to give consumer exactly what he wants; world tastes and demands today are more exacting. *New Zeal. J. Agr.* 112(1):17-19. Jan. 1966. 23 N48J
- 50072 HARTOG, C. DEN, and MULLER, H. A. L. Meat as a food in various countries. (Du) *Voeding* 26(12):676-694. Dec.15,1965. 389.8 V85
English summary.
Chiefly consumption.
- 50073 HOFMANN, F., and KACHEL, S. More slaughter swine in consumer-required quality with low feed consumption. (Ge) *Fleischermeister* 19(7):172-174. Ref. July 1965. 50.8 F622
- 50074 PEJIC, M. Some reasons for the diminished consumption of meat in 1964 in Bosnia and Herzegovina. (Se) *Poljoprivredni Pregl.* 14(3/4):113-116. Mar./Apr.1965. 21.5 P753
- 50075 PETERSEN, P. Purveyors sell service and want some, too. *Nat. Provisioner* 154(11):67-68. Mar.12,1966. 286.85 N21
Consumer preferences for beef.
- 50076 RAUNIKAR, R., PURCELL, J. C., and ELROD, J. C. Consumption and expenditure analysis for meat, meat products, and eggs in Atlanta, Georgia. *Ga. Agr. Exp. Sta. Tech. Bull.* (n.s.) 46,61 p. Sept.1965. 100 G293T
- 50081 CASH, N. Kolbassi for all? effective use of TV advertising can mean this--and more. *Nat. Provisioner* 154(11):39-43. Mar.12,1966. 286.85 N21
Meat packing industry.
- 50082 FLIATREAU, J. What sausage council can do for you. *Nat. Provisioner* 154(11):123,125-126. Mar.12,1966. 286.85 N21
Advertising.
- 50083 FINLEY, J. Freight rate cut could be "monster" to West. *Nat. Provisioner* 154(11):53-55. Mar.12,1966. 286.85 N21
Transportation costs of packinghouse products.
- 50084 FUTRELL, G. A., WALKER, F. E., and STOUT, T. T. Econometric generalizations of the Ohio beef and pork industries in interregional competition. *Ohio. Agr. Res. Develop. Center. Res. Bull.* 974,59 p.,map. Nov.1965. 100 Oh38
Includes marketing of live animals, and slaughtering statistics.
- 50085 HAUS, B., SACZKOWSKI, R., and STEMPIN, S. An attempt to establish guidelines for supplying the population with meat and meat products. (Pol) *Gosp. Miesna* 17(11):11-14. Nov.1965. 50.8 G69
- 50086 LYNCH, D. Selling purebred cattle. *Cattleman* 52(8):44,63-64,66. Jan.1966. 49 C29
- 50087 MAGDANZ, D. F. Wanted: system sensitive to market demands. *Nat. Provisioner* 154(11):61-62. Mar.12,1966. 286.85 N21
Chiefly feeder cattle.
- 50088 MCDOWELL, J. I., and HEDLAND, V. L. Market patterns and potentials for North Dakota hog production. *N. Dak. Agr. Exp. Sta. Bull.* 460,31 p. Oct.1965. 100 N813
Includes statistics.
- 50089 MOORE, H. L., and KRIEBEL, W. R. Impact of improving transportation on Pennsylvania's livestock and meat industries. *Penn. State Univ. Ext. Farm Econ.*, Feb.1966:1-3. 275.28 P38
- 50090 NEW ZEALAND CO-OPERATIVE PIG MARKETING ASSOCIATION. 33rd annual report; statement of accounts and balance sheets, 31st May, 1965. Wellington, 1965. 16 p. 280.2469 N48
- 50091 OTTO, E. Marketing of swine. (Ge) *Fleischermeister* 19(5):116-117. Ref. May 1965. 50.8 F622
- 50092 OTTO, E. Marketing of swine. (Ge) *Tierzucht* 20(2):80-82. Ref. Feb.1966. 49 T443
- 50093 OTTO, E. Thoughts on the marketing of slaughter animals. (Ge) *Deut. Landwirt.* 17(2):97-99. Feb.1966. 18 D4822
- 50094 PICCHI, A. A recurring crisis in the swine market. (It) *Mercanzia* 20(5):370-372. May 1965. 287 B635
Includes production costs.
- 50095 PLATE, R. Marketing aspects of bovine production in the Federal Republic of Germany. (Ge) *Zuchtungskunde* 37(9/10):388-403. Nov./Dec.1965. 49 Z8
English summary.
- 50096 POTTER, G. Take advantage of domestic tanners' needs. *Nat. Provisioner* 154(11):65-67. Mar.12,1966. 286.85 N21
Marketing hides.
- 50097 SINELL, H. J., SHAMMAA, Z. A. EL. A rapid method for refrigeration of pork and its keeping quality during transport. *Int. Congr. Refrig. Proc.*, 11th Congr., v.3:1705-1708. 1963, pub.1965. TP490.I5
- 50098 SMITH, L. D. Balancing beef and milk. *Westminster Bank Rev.*, Feb.1966:58-63. 286.8 W52
In marketing.
- 50099 SUNTSEVA, T. S. How to transport frozen meat. (Rus) *Veterinariya* 1:96-97. Jan.1966. 41.8 V6426
- 50100 WEISSE, H. Optimisation of supply deliveries. (Ge) *Fleischermeister* 19(7):176-177. July 1965. 50.8 F622

Distribution, Marketing, and Transportation

- 50077 BESTER, J. M. The transport of chilled beef in overhead bunker refrigerated railcars. *Int. Congr. Refrig. Proc.*, 11th Congr., v.3:1709-1713. 1963, pub.1965. TP490.I5
Includes discussion.
- 50078 BIGUM, J. Trends in the market pattern for slaughter cattle here and abroad. (Da) *Tolvmandsbladet* 37(8):397-403. Aug.1965. 11 T58
- 50079 BUTZKE, The marketing of slaughter livestock. (Ge) *Fleischermeister* 19(9):230-231. Sept.1965. 50.8 F622
- 50080 BYRNES, M. L. World hide situation. *Leather Shoes* 150(18):43-44. Oct.30,1965. 303.8 H53

- 50101 WILDE, M., and MEHLBAUER, H. What future delivery relations between the meat industry and trade? (Ge) Fleischermeister 20(1):3-4. Jan.1966. 50.8 F622
East Germany.
- 50102 WIRAK, O. S. Futures trading in live beef cattle. Wash. State Univ. Ext. E. M. 2587,16 p. Nov.1965. 275.29 W27Mi

Grading, Inspection, Standardization, and Quality

- 50103 ALEXANDROWICZ, S. The use of specific gravity in determination of slaughter value. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70:229-230. 1965. 18 D4825T
English summary.
Swine.
- 50104 BARRIGA, O. O. Prevalence of some parasitic zoonoses in slaughtered livestock and its impact on the national economy. (Sp) Bol. Chileno Parasitol. 20(1):2-6. Ref. Jan./Mar. 1965. 436.9 C43
English summary.
Cattle, sheep and swine meat inspection in slaughterhouses.
- 50105 BERGSTROM, P. L. The slaughter quality of veal calves. (Du) Veeteelt Zuivelber. 8(4): 169-172. Apr.1965. 49 V51
- 50106 BIELAWSKI, B. Grading of boneless meats. (Pol) Gosp. Miesna 17(11):6-8. Nov.1965. 50.8 G69
- 50107 DIMITRIEVICI, I. Sanitation of livestock products for food in the course of history. (Rum) Rev. Zooteh. Med. Vet. 15(10):75-79. Ref. Oct.1965. 49 P943
- 50108 DRIEUX, H. New legislative provisions on inspection of food products of animal origin. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg. Aliment.) 24:22-24. May/June 1965. 50.8 R322
- 50109 DURHAM, R. Ridiculous concepts shackle meat industry. Nat. Provisioner 154(11):69-73. Mar.12,1966. 286.85 N21
Beef cuts and grades.
- 50110 FERRANDO, R. Pigments in food and the quality of livestock products. (Fr) Rev. Elevage 20(spec.no.38):156-159. 1965. 49 B462
- 50111 FROEHNER, H. New regulation of chopped meat products. (Ge) Gesundheitswesen Desinfekt. 57(10):142. Oct.1965. 449.8 Z36P
- 50112 FURROW, R. D. USDA inspection service residue monitoring program. Amer. Feed Manufacturers Ass. Nutr. Coun. Proc., 25th Semi-annu. Meeting:28-29. 1965. 389.79 Am32
Meat Inspection Division and Poultry Division of the Consumer and Marketing Service.
- 50113 GRUDEV, D. I., and KABANOV, V. D. Changes of carcasse quality depending on body composition and weight of slaughtering swine. (Rus) Zhi-votnovodstvo 1:52-54. Jan.1966. 49 Z6
- 50114 HENSEL, H. L. Federal-state uniformity and cooperation on meat products. Ass. Food Drug Offic. U. S. Quart. Bull. 29(4):141-147. Oct. 1965. 389.9 As7Q
Regulation.
- 50115 HESS, E., and LOTT, G. Chopping up meat is a factor in reducing keeping quality. (Ge) Arch. Lebensmittelhyg. 16(12):265-268. Dec. 1965. 41.8 L49
- 50116 HESSE, H., and STEDING, R. Measures for the prevention of hide damages. (Ge) Deut. Landwirt. 16(12):508-510. Dec.1965. 18 D4822
Livestock care.
- 50117 KASTNER, D. Central quality comparison for sausage products. (Ge) Fleischermeister 19(12):311-312. Dec.1965. 50.8 F622
- 50118 KOTTER, L. Rationalization in the investigation of meat products. (Ge) Arch. Lebensmittelhyg. 16(12):268-269. Dec.1965. 41.8 L49
Inspection.

- 50119 LAUNDER, R. Testing for stale hides. Leather Shoes 150(18):35-37. Oct.30,1965. 303.8 H53
- 50120 MAURUS, P. Possibilities of surveillance of radioactive contamination of meat and meat products. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(7):600-604. Dec.1965. 41.8 Z52
English summary.
- 50121 OTTO, E. Evaluation of slaughter value of slaughtered and living swine. (Ge) Deut. Akad. Landwirtschaftswiss. Tagungsber. 70: 173-185. Ref. 1965. 18 D4825T
English summary.
- 50122 OTTO, E. Slaughter value classing of cattle. (Ge) Fleischermeister 19(7):174-175. July 1965. 50.8 F622
- 50123 PETERMANN, R. Get top value from the meat you buy. Okla. State Univ. Ext. Circ. E-744, rev., 8 p. Nov.1965. 275.29 Ok41C
- 50124 REITSMA, K. The EEC regulations and Netherlands meat packing plants. (Du) Conserva 13(12):312-313. June 1965. 389.8 C7632
French summary.
- 50125 SCHARNER, E. Organoleptic testing of meat and sausage products. I. (Ge) Fleischermeister 19(9):240-241. Sept.1965. 50.8 F622
- 50126 SCHARNER, E. The organoleptic testing of meat and sausage products. III. (Ge) Fleischermeister 19(11):298-302. Nov.1965. 50.8 F622
- 50127 SCHARNER, E. The organoleptic testing of meat and sausage products. IV. (Ge) Fleischermeister 19(12):318-319. Dec.1965. 50.8 F622
- 50128 SCHARNER, E. The organoleptic testing of meat and sausage products. V. (Ge) Fleischermeister 20(1):12-13. Jan.1966. 50.8 F622
- 50129 SCHOENE, W. Limits and possibilities of bacteriological meat investigation. (Ge) Arch. Lebensmittelhyg. 16(12):269-273. Dec.1965. 41.8 L49
- 50130 SWIETANOWSKI, R. Remarks on inspection and sanitation in meat industry. (Pol) Gosp. Miesna 17(11):9-11. Nov.1965. 50.8 G69
- 50131 ZSCHOCHE, H. Raw sausage defects. (Ge) Fleischermeister 19(11):303. (Cont.) 50.8 F622
- 50132 ZSCHOCHE, H. Raw sausage defects. (Ge) Fleischermeister 19(12):324. (Cont.) Dec. 1965. 50.8 F622
- 50133 ZSCHOCHE, H. Raw sausage defects. (Ge) Fleischermeister 20(1):19. (Cont.) Jan.1966. 50.8 F622

Packing and Packaging

- 50134 ALBERTSEN, B. Vacuum-packed cold cuts. (Da) Danske Dyrlaegefor. Medlemsbl. 49(3): 110-119. Feb.1,1966. 41.9 D23
- 50135 FREDHOLM, H. Technical problems and present status regarding prepacked fresh meat. Int. Inst. Refrig. Bull. Suppl. 1965-1:22-32. Ref. 1965. 295.9 In7
Includes discussion.
- 50136 JONES, K. B. Prepackaging of fresh meat. Int. Inst. Refrig. Bull. Suppl. 1965-1:13-21. Ref. 1965. 295.9 In7
Includes discussion.
- 50137 RUGGLES, E. E. Flexible packaging films. Meat 32(3):46,48,50. Mar.1966. 286.85 M464
Chiefly cellophane and plastic.
- 50138 SELBY, J. W. Vacuum packaged cured meats. Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(3): 162-169. 1965. 389.9 Sw6
- 50139 SULZBACHER, W. L. Microbiological factors and the future of prepackaged meat. Int. Inst. Refrig. Bull. Suppl. 1965-1:53-62. Ref. 1965. 295.9 In7
Includes discussion.
- 50140 VOLZ, M. Technical problems and present status of prepacked fresh meat in the United States. Int. Inst. Refrig. Bull. Suppl. 1965-1: 33-42. 1965. 295.9 In7
Includes discussion.

Prices, Price Control, and Rationing

- 50141 BLOSSER, R. H., and BOWEN, C. C. What to pay for feeder pigs. Ohio. State Univ. Ext. Leaflet L-123, 6 p.-folder. Nov. 1965. 275.29 Oh32EL
- 50142 HESSE, H. Price cuts for hide damage. (Ge) Fleischermeister 19(5):135. May 1965. 50.8 F622
- 50143 KALTENBACHER, J. C. U.S. tanners must compete with world demand for rawstock. Leather Shoes 151(12):21-22. Mar. 26, 1966. 303.8 H53
Prices and marketing.
- 50144 PELLIZZARI, C. Without remunerative prices, it is impossible for an efficient agriculture to survive. (It) Rass. Agr. Ital. 21(1): 9-10. Jan. 1966. 281.8 R18
Livestock prices caused by import policy.
- 50145 ROBBA, T. The eloquence of comparisons. (It) Agr. Venezia 19(3):147-151. Mar. 1965. 16 Ag826
Cattle price statistics.

Processing and Storage

- 50146 ALEXA, G., CHIRITZA, G., and CHIRITZA, A. Contribution to the study of tannins combined with formaldehydes. (Fr) Rev. Tech. Indus. Cuir 42(6/7):184,186,188,190,192,194-196,198-199. Ref. June/July 1965. 303.8 C89
- 50147 ARMBRUSTER, W. J., and SNYDER, J. C. Programmed profit analysis for sausage manufacturing. Ind. Agr. Exp. Sta. Res. Bull. 800, 20 p. Ref. Nov. 1965. 100 In2P
Linear programming.
- 50148 BOTTA, C. P. Animal fats, manufacture, processes. (Sp) Inform. Grasas Aceites. Bol. 3 (1):18-41. Jan./Mar. 1965. 307.8 In3
- 50149 BRACH, J. Trials on installing continuous refining of solvent-extracted wool fat. (Fr) Ann. Sci. Textiles Belg. 4:64-85. Dec. 1965. 304.8 An72
English summary.
- 50150 CAMPBELL, D. P&S seeks exchange of ideas with all group. Nat. Provisioner 154(11):44-46, 53. Mar. 12, 1966. 286.85 N21
Proposed amendments to Packers and Stockyards Act.
- 50151 CANADA. BUR. OF STATISTICS. Slaughtering and meat processors, 1963. Ottawa, 1966. 41 p. 50.9 C163
- 50152 COLLIN, D. Effect of insulation on the relative humidity of cold-rooms for the storage of fresh meat. (Fr) Int. Congr. Refrig. Proc., 11th Congr. Refrig. Proc., 11th Congr., v.2:1215-1217. 1963, pub. 1965. TP490.I5
English summary.
- 50153 DANILOV, M. M. Tovarovedenie prodovol'stvennykh tovarov: myaso i myasnye tovary [Expert knowledge of foodstuffs; meat and its products]. Moskva, Izdatel'stvo Ekonomika, 1964. 230 p. Ref. TS1955.D3
Chiefly processing and storage.
- 50154 DESGRIPPE, R., and ROQUE, J. Choice of a method of finishing. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(6/7): 131-143. June/July 1965. 303.8 B87
- 50155 DUDA, Z. Casings for raw sausages. (Pol) Gosp. Miesna 17(12):8-11. Dec. 1965. 50.8 G69
- 50156 DUMOULIN, V. L. Technical development of artisan tanning in developing countries by means of mobile teaching and producing centers. (Fr) Rev. Tech. Indus. Cuir 57(4):102, 105-106, 108, 110, 112, 114-116. Apr. 1965. 303.8 C89
- 50157 DURANDE-AYME, R., and ROUZET, J. Note on test of salts used in the conservation of skins. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(5):114-119. Ref. May 1965. 303.8 B87

- 50158 FLEISCH, A. G. Cure pickling. Leather Shoes 150(18):38. Oct. 30, 1965. 303.8 H53
Of hides.
- 50159 FLORENCE, O. Packers must discipline selves to survive. Nat. Provisioner 154(11):64-65. Mar. 12, 1966. 286.85 N21
Meat packing industry policies.
- 50160 FLORENCE, O. Progress is aided by all partners in meat team, both public and private. Nat. Provisioner 154(11):36. Mar. 12, 1966. 286.85 N21
Meat packing industry.
- 50161 GOLOVKIN, N. A., and NOZDRUNKOVA, I. R. On storage of meat at temperatures near to cryoscopic. Int. Inst. Refrig. Bull. Suppl. 1965-1:43-52. Ref. 1965. 295.9 In7
Includes discussion.
- 50162 HECHT, H., and HERZOG, K. Exemplary quality. (Ge) Fleischermeister 20(1):9-11. Jan. 1966. 50.8 F622
Meat handling.
- 50163 HUTHER, K. Mechanized carving lines for swine halves. (Ge) Fleischermeister 19(12): 322-323. Dec. 1965. 50.8 F622
- 50164 JÜLLIEN, I. Conservation of calfskins. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(5):107-113. May 1965. 303.8 B87
- 50165 KESSLER, H. On the art of making leather. (Ge) Leder 16(7):161-166. July 1965. 303.8 L492
- 50166 KOEPPE, S., and others. The technological usefulness of fatty tissue from various parts of the carcass in the production of sausage. (Pol) Gosp. Miesna 17(11):1-5. Nov. 1965. 50.8 G69
H. Roslon, W. Osinska, and S. Zalewski, joint authors.
Pork sausages.
- 50167 KUC, S. Comparative analysis of meat plants productivity as basis for the improvement of their returns. (Pol) Gosp. Miesna 17(12):14-16. Dec. 1965. 50.8 G69
- 50168 LASZLO, F. Old meat-conserving methods. (Hu) Husipar 15(1):31-35. Jan./Feb. 1966. 50.8 H95
English summary.
- 50169 LECKIE, H. K. Progress lies in technology and cooperation. Nat. Provisioner 154(11):62-64. Mar. 12, 1966. 286.85 N21
Meat packing industry policies.
- 50170 LYON, L. Future hide processing. Leather Shoes 150(18):32, 34. Oct. 30, 1965. 303.8 H53
Of cattle.
- 50171 MAILLET, J. Hams with moisture and hams dry. (Fr) Rev. Conserv. 20(9):211, 217, 220, 224-226. Dec. 1965. 389.8 R326
- 50172 MARTINENGHI, G. B. New techniques for a better oil and fat quality. (It) Riv. Ital. Sostanze Grasse 43(1):15-18. Jan. 1966. 307.8 OL3
English summary.
Animal fat extraction.
Includes discussion.
- 50173 MAUSS, E. The use of ascorbic acid in boiled sausage manufacture. (Ge) Fleischermeister 19(11):285-288. Nov. 1965. 50.8 F622
- 50174 MOERMAN, P. C. The influence of refrigeration on minced meat. Int. Inst. Refrig. Bull. Suppl. 1965-1:89-98. 1965. 295.9 In7
Includes discussion.
- 50175 MUTANOV, S. Modern methods in the Bulgarian meat industry. (Ge) Fleischermeister 19(4):94-95. Apr. 1965. 50.8 F622
- 50176 NAGY, E., NURIDSANY, J., and PROKOPP, L. The possible application of a new disinfecting solution (GN) in the meat industry. (Hu) Husipar 15(1):5-12. Ref. Jan./Feb. 1966. 50.8 H95
English summary.
- 50177 NOSKOVA, G. L., and PECK, G. J. Combined effect of cold and vacuum on the microflora of products during cold storage. Int. Congr. Refrig. Proc., 11th Congr., v.2:965-970. Ref. 1963, pub. 1965. TP490.I5
Meat, fish and milk.

- 50178 OLIVANNAN, M. S., SELVARANGAN, R., and NAYUDAMMA, Y. Studies in myrobalan tanning. *Tanner* 20(1):15-17. June 1965. 303.8 T15
- 50179 POHLE, K. Bristle drying in slaughterhouses of the Magdeburg district. (Ge) *Fleischermeister* 19(11):282-284. Nov.1965. 50.8 F622 Swine.
- 50180 REIHSMANN, R. Upgrading leather with polymers. *Leather Shoes* 150(18):21-23. Oct.30, 1965. 303.8 H53
- 50181 RODDY, W. T. Vacuum drying of leather. *Leather Shoes* 150(18):30-32. Oct.30,1965. 303.8 H53
- 50182 ROMIC, S. Weight loss at roasting and smoking of pork, bacon and sausages. (Se) *Poljoprivredna Znanstvena Smotra* 20(3),9 p. 1965. 21.5 Z13
English summary.
- 50183 SALEH, M. S. E., and AWAD, I. Investigations on the environmental and tanning conditions in Egyptian sole leather production. *Tanner* 20(8):261,263-265. Jan.1966. 303.8 T15
- 50184 SCHMID, H. All hide damages are preventable. (Ge) *Fleischermeister* 19(4):86-89. Apr.1965. 50.8 F622
Handling.
- 50185 SHANNON, W. What's happening in sausage manufacture. *Nat. Provisioner* 154(11):80-81, 84,118-120. Mar.12,1966. 286.85 N21
- 50186 SHUTTLEWORTH, S. G., and RUSSELL, A. E. The kinetics of chrome tannage. III-IV. *Soc. Leather Trades' Chem. J.* 49(7):251-268. July 1965. 303.9 S012
- 50187 SKRZYNSKI, J. T. The influence of fat and storage time on the quality of frozen pork and beef stored at -5°C. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:777-787. Ref. 1963,pub.1965. TP490.15
- 50188 STEIN, E., KLEMPOVA, and MORAROVA, E. Enzymatic activity and the storage of meat. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:769-770. Ref. 1963,pub.1965. TP490.15
Relationship to quality.
- 50189 STRASZEWSKI, T. Producing salami in the Poznan meat plant. (Pol) *Gosp. Miesna* 17(12):12-14. Dec.1965. 50.8 G69
- 50190 SUBRAMANIAM, V. V., GOSH, R. S., and NAYUDAMMA, Y. Lac as a retanning resin for chrome leathers. *Tanner* 20(1):13-14. June 1965. 303.8 T15
- 50191 THOMPSON, J. Economics of pickled hides. *Leather Shoes* 150(18):39-43. Oct.30,1965. 303.8 H53
- 50192 TROGER, J., ZWEINERT, G., and DORST, J. The quick pickling of processed meat products. (Ge) *Fleischermeister* 20(1):4-9. Jan.1966. 50.8 F622
- 50193 VALDECANTOS, A., and GARCIA MATAMOROS, E. Changes in dry sausage during ripening. (Sp) *Rev. Frio* 9(4):151-156. Oct./Dec. 1964. 295.8 R324
English summary.
- 50194 VALDECANTOS, A. Changes produced in beef meat quality by different freezing rates. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:771-776. 1963,pub.1965. TP490.15
Includes discussion.
- 50195 VEREIN FUR GERBEREI-CHEMIE UND-TECHNIK. Problems in the manufacture of aniline leather. (Ge) *Leder* 16(7):149-161. July 1965. 303.8 L492
Report of a discussion; R. Schubert, leader. Includes tanning.
- 50196 WILSON, C. D. Paste drying of leather. *Leather Shoes* 150(18):27-28,29. Oct.30,1965. 303.8 H53
- 50197 WINKELMANN, E. Importance of condensed specific degradation of albumin products in the rationalization of soaking and liming process. (Fr) *Rev. Tech. Indus. Cuir* 42(6/7):200,202. June/July 1965. 303.8 C89
- 50198 WSMMA looks to its 'partners.' *Nat. Provisioner* 154(11):32-35,98,100-101. Mar.12,1966. 286.85 N21
Report of the 20th annual convention of the Western States Meat Packers Association in Los Angeles.
- 50199 ZEUTHEN, P. Production hygiene in relation to keeping quality. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:99-106. 1965. 295.9 In7
Pasteurized hams.
- 50200 ZINZ, B. Practical experience with the RFP process in the production of sole leather. *Tanner* 20(7):203-204. Dec.1965. 303.8 T15
- 50201 ZORN, B., RIEGER, J., and SCHMID, H. Remarks on zirconium tanning. (Ge) *Leder* 16(4):73-78. Ref. Apr.1965. 303.8 L492
English summary.

Statistics

- 50202 ARGENTINA. JUTA NACIONAL DE CARNES. Estadísticas básicas [Basic statistics]. Buenos Aires, 1965. 24 p. 255.1 C21
Livestock and meat statistics.
- 50203 CHAVERRA, H., and LOTERO, J. Pastures and livestock. (Sp) *Agr. Trop.* 21(11):713-727. Ref. Nov.1965. 26 Ag8
Statistical, for Colombia.
- 50204 GRUSZECKI, S. The development of slaughter livestock husbandry in western Poland. (Pol) *Gosp. Miesna* 17(11):16-18, map. Nov.1965. 50.8 G69
Swine and cattle; chiefly statistics.
- 50205 HOFFMANN, W. The predictable development of the number of dairy cows and owners of cows in the German Federal Republic to 1970. (Ge) *Deut. Molk.-Zeitung* 87(6):175-177. Feb.10,1966. 44.8 Su2
- 50206 PUERTO RICO. NEGOCIADO DE ESTADÍSTICAS AGRICOLAS. La matanza de ganado en Puerto Rico 1961/62-1962/63 (serie revisada) [Slaughtering of livestock in Puerto Rico 1961/62-1962/63 (revised series)]. P. R. Negociado Estad. Agr. Publ. Espec. 9,13 p. June 1964. 252.74 Es8P
- 50207 TACU, A. Statistical methods in zootechny. 8-9. (Rum) *Rev. Zooteh. Med. Vet.* 15(11):34-44; (12):28-39. Nov.-Dec.1965. 49 P943

OILS AND OILSEEDS

- 50208 ANDRE, E. Remarks on the processes used for refining oils: mucilage and its removal. (Fr) *Oleagineux* 20(10):599-601. Oct.1965. 77.8 OL2
- 50209 ARPAGAU, J. E. Filtration of olive oils by capillary filters. (Sp) *Bol. Oleicult. Int.* 88:19-22. Nov./Dec.1965. 307.8 B63
- 50210 BAILEY, A. V., HARRIS, J. A., and SKAU, E. L. Cyclopropenoid fatty acid content and fatty acid composition of crude oils from twenty-five varieties of cottonseed. *Amer. Oil Chem. Soc. J.* 43(2):107-110. Ref. Feb. 1966. 307.8 J82
- 50211 BAINS, G. S., and MAINI, N. S. Studies on the selection of edible varieties and uses of soybean. *Indian Oilseeds J.* 9(3):168-172. Ref. July/Sept.1965. 307.8 In22
- 50212 BAZZI, B., and FABBRINI, R., and CANALE, E. G. Method of determining residues of the insecticide Cidial in olives. (It) *Milan. Ist. Ric. Agr. Contrib.* 7:29-32. 1964,pub.1965. 16 M583
English summary.
- 50213 BAZZI, B., and FABBRINI, R. Method of determining the residues of ethyl ester of O,O-dimethyldithiophosphorylphenyl acetic acid (Cidial R) in olive oil on basis of spectrophotometric determination of the phosphorus; separation from Rogor and its oxygenated analog. (It) *Milan. Ist. Ric. Agr. Contrib.* 7:21-27. 1964,pub.1965. 16 M583
English summary.

- 50211 BERNDT, G., and SCHILLING, W. Fat stabilization with antioxidants and an extract of *Aspergillus oryzae*. (Ge) *Seifen-Ole-Fette-Wachse* 92(4):81-83. Ref. Feb.16,1966. 307.8 Se4
- 50215 BORREGON, M., CARBALLIDO, A., and VAL-DEHITA, M. T. Spectrophotometry in the ultraviolet zone of olive, soybean, peanut, and sunflower oils and their mixtures. (Sp) *An. Bromatol.* 17(4):361-388. Ref. 1965. 389.8 An1
English summary.
- 50216 CASH, L. S. Water-thinnable linseed oil products. *Meggitt Leadership* 11:7-8. Apr./June 1965. 308.8 M47
Paint.
- 50217 CASILLO, R. Chemical and physico-chemical characteristics of olive oils from the Sorrento Peninsula. (It) *Riv. Ital. Sostanze Grasse* 43(1):11-14. Jan.1966. 307.8 OL3
English summary.
- 50218 CLARK, S. P. The Vaccarino process for the extraction and neutralization of cottonseed oil. (It) *Riv. Ital. Sostanze Grasse* 42(8):385-390. Aug.1965. 307.8 OL3
English summary.
- 50219 COSCIA, A. A., and TORIGINO, S. B. DE. Oleaginosas; analisis economico estadistico de su produccion [Oilseeds; economic statistical analysis of production]. Pergamino. *Estac. Exp. Agropecuar. Inform. Tec.* 37, 46 p. Mar.1965. 102.5 P413
- 50220 CUCULLU, A. V., and others. Determination of aflatoxins in individual peanuts and peanut sections. *Amer. Oil Chem. Soc. J.* 43(2):89-92. Feb.1966. 307.8 J82
L. S. Lee, R. Y. Mayne, and L. A. Goldblatt, joint authors.
- 50221 CURRAN, J. The use of essential oils and oleoresins in mayonnaise and salad dressings. *Glass Packer/Processor* 45(1):23-24. Jan. 1966. 309.8 G463
Includes chart on composition of vegetable oleoresins.
- 50222 DEFROMONT, C. Recent progress in the filtration of fats. (Fr) *Chim. Indus. [Paris]* 94(5):494-504. Nov.1965. 383 C42
- 50223 DELISLE, J. Extraction of vegetable oils. (Fr) *Quebec Lait, Aliment.* 24(6):16-18,38. June 1965. 44.8 Q3
- 50224 EMKEN, E. A., FRANKEL, E. N., and BUTTERFIELD, R. O. Homogeneous catalytic hydrogenation of unsaturated fats: metal acetylacetonates. *Amer. Oil Chem. Soc. J.* 43(1):14-18. Ref. Jan.1966. 307.8 J82
- 50225 FREEMAN, W. M. B. A layman takes a good look at tung oil research. *Amer. Tung News* 17(2):6. Feb.1966. 307.8 Am33
- 50226 FUJIMAKI, M., and others. Studies on flavor components in soybean. I. *Agr. Biol. Chem.* 29(9):855-863. Ref. Sept.1965. 385 Ag8B
S. Arai, N. Kirigaya, and Y. Sakurai, joint authors.
- 50227 GAROGLIO, P. G. Contribution to the problem of edible oils preservation in relation to production cycles. (It) *Riv. Ital. Sostanze Grasse* 43(1):19-21. Jan.1966. 307.8 OL3
English summary.
Importance of the container.
- 50228 GOUW, T. H., and VLUGTER, J. C. Ultrasonic sound velocity in lipids. *Anal. Chim. Acta* 34(2):175-184. Ref. Feb.1966. 381 An1
- 50229 GREENTREE, A. Laboratory vacuum bleaching. *Amer. Oil Chem. Soc. J.* 43(1):4A,8A. Jan.1966. 307.8 J82
Soybean and cottonseed oil.
- 50230 GREENWOOD, C. T., MACGREGOR, A. W., and MILNE, E. A. Studies on starch-degrading enzymes. III. The action pattern of soybean Z-enzyme. *Carbohydr. Res.* 1(4):303-311. Ref. Dec.1965. 385 C172
- 50231 HEINTZ, M., GREGOIRE, J., and LEFORT, D. Gas-liquid chromatography and lipochemistry. XI. Contribution to the study of fatty acids composition of *Sideroxylon argania*, *Balanites aegyptiaca* and *Parinarium macrophyllum* oils. (Fr) *Oleagineux* 20(10):603-608. Ref. Oct. 1965. 77.8 OL2
English summary, p.XL.
- 50232 HELLSTROM, V., and HEGEDUS, L. Changes in the fatty acid composition of the food fats during frying. (Ge) *Z. Lebensmittel-Untersuchung-Forsch.* 128(5):277-283. 1965. 384 Z39
- 50233 HENDRIKSE, P. W., HANNEWILJK, J., and HAIGHTON, A. J. Crystallization and behaviour of fats in melting. (It) *Riv. Ital. Sostanze Grasse* 42(8):367-384. Ref. Aug.1965. 307.8 OL3
English summary.
- 50234 HUDSON, E. D. IOMSA [International Oil Mill Superintendents Association] president's report: constitutional changes and reforms recommended. *Oil Mill Gaz.* 70(1):9-10. July 1965. 307.8 Oi53
- 50235 HUGONY, E. Aluminum containers for fatty substances. (It) *Riv. Ital. Sostanze Grasse* 42(12):584-586. Dec.1965. 307.8 OL3
English summary.
- 50236 ILANY-FEIGENBAUM, J. Complexes of dye and soy protein as substrate for proteolytic enzymes, and simple colorimetric determination of their activity. *J. Food Sci.* 31(1):29-31. Jan./Feb. 1966. 389.8 F7322
- 50237 JACINI, G., and CAROLA, C. Italian plants for the extraction of olive waste oil. II. Continuous and non-continuous extraction with solvents. (It) *Riv. Ital. Sostanze Grasse* 42(8):396-410. Aug.1965. 307.8 OL3
- 50238 JAMINET, L. VON. Shipment and packing of essential oils and perfumes. II. (Ge) *Seifen-Ole-Fette-Wachse* 91(14):483-485. July 7,1965. 307.8 Se4
- 50239 JASPERSON, H., and PRITCHARD, J. L. R. Factors affecting the refining and bleaching of palm oil. (Fr) *Oleagineux* 20(10):609-614. (Cont.) Oct.1965. 77.8 OL2
English summary, p.XL.
- 50240 KABYSH, S. Oleaginous crops and vegetable oil production in the USSR. *Munich. Inst. Stud. USSR. Bull.* 12(12):30-36. Dec.1965. 280.9 M922B
- 50241 KADERAVEK, G., and VOLONTERIO, G. Some observations on gas-chromatographic analysis of short-chain free fatty acids. (It) *Riv. Ital. Sostanze Grasse* 43(1):9-10. Jan.1966. 307.8 OL3
English summary.
- 50242 KAJIMOTO, G., and MUKAI, K. Influence of rancid oil on the cooking. 36. Nutritional value and putrefaction of lipid-protein complex. (Ja) *Jap. Soc. Food Nutr. J.* 18(5):30-32. 1966. 389.9 J27
English summary.
Soybean oil.
- 50243 KATO, S., and MATUSO, H. Continuous air blast freezing system developed in Japan for freezing soya bean curd gel and hardening soft ice cream. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1115-1121. 1963, pub.1965. TP490.I5
- 50244 KAUFMANN, P., and MUKHERJEE, K. D. Modern technology of fats and fat products. CX. The refining of fats. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):1027-1031. Dec.1965. 384 C422
- 50245 KORITALA, S., and DUTTON, H. J. Selective hydrogenation of soybean oil with sodium borohydride-reduced catalysts. *Amer. Oil Chem. Soc. J.* 43(2):86-89. Ref. Feb.1966. 307.8 J82

- 50246 KOSHIYAMA, I. Purification of the 7S component of soybean proteins. *Agr. Biol. Chem.* 29 (9):885-887. Ref. Sept.1965. 385 Ag8B
- 50247 KOUL, G. L., and NIGAM, S. S. Studies on Indian essential oils. I. Chromatography. *Perfumery Essent. Oil Rec.* 57(2):91-97. Feb. 1966. 308.8 P41
- 50248 KROMER, G. W. Trends in U.S. corn oil production and use, 1947-65. *U. S. D. A. Econ. Res. Serv. FOS-231:21-28.* Jan.1966. 1.9 Ec752F
- 50249 LAKSHMINARAYANA, T. Processing safflower seed. III. Low of 4 pct hulls possible in screw pressing of meats. *Oil Mill Gaz.* 70(3):30-32. Sept.1965. 307.8 Oi53
- 50250 LAMBERT, S. Recovered oils. *Meggitt Leadership* 12:7-8. July/Sept.1965. 308.8 M47 Products.
- 50251 LAMOURIA, L. H., and BREWER, H. L. Determining selected bio-engineering properties of olives. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(2):271-274. 1965. 290.9 Am32T
- 50252 LAWHON, J. T., and RAO, H. S. Relationships between moisture contents of cottonseed flakes and water in miscellas from extractions with acetone-cyclohexane azeotropes. *Amer. Oil Chem. Soc. J.* 43(1):49-51. Jan.1966. 307.8 J82
- 50253 LINOW, F., ROLOFF, M., and TAUFEL, K. Determination of carbonyls in the presence of hydroperoxides in an acetic acid milieu. (Ge) *Nahrung* 9(8):919-920. 1965. 389.8 N142 In fats.
- 50254 LIVERMORE, D. U. Peanuts. *Va. Polytech. Inst. Ext. Va. Farm Econ.* 195:23. Jan./Feb. 1966. 275.29 V813 Outlook.
- 50255 LORANT, B. Derivatographic research on fats and fatty acid derivatives. (Ge) *Seifen-Ole-Fette-Wachse* 92(2):25-29. (Cont.) Jan.19, 1966. 307.8 Se4 English summary.
- 50256 LORANT, B. Derivatographic research on fats and fatty acid derivatives. (Ge) *Seifen-Ole-Fette-Wachse* 92(3):57-59. (Cont.) Feb.2, 1966. 307.8 Se4
- 50257 MAERKER, G., and HAEBERER, E. T. Direct cleavage of internal epoxides with periodic acid. *Amer. Oil Chem. Soc. J.* 43(2):97-100. Ref. Feb.1966. 307.8 J82
- 50258 MAERKER, G., HAEBERER, E. T., and AULT, W. C. Epoxidation of methyl linoleate. I. *Amer. Oil Chem. Soc. J.* 43(2):100-104. Ref. Feb.1966. 307.8 J82
- 50259 MAERKER, G., and others. Synthesis and isolation of methyl esters of alpha-branched acids. *Amer. Oil Chem. Soc. J.* 43(2):104-107. Feb.1966. 307.8 J82
H. E. Kenney, A. Bilyk, and W. C. Ault, joint authors.
- 50260 MALLARD, T. M., and GRAIG, B. M. Quantitative analysis for oleic and petroselinic acids in glyceride oils. *Amer. Oil Chem. Soc. J.* 43 (1):1-2. Jan.1966. 307.8 J82
- 50261 MARTIN, J. P. On the method of liquid-liquid extraction for the obtaining of monoglycerides from fatty acids. (Fr) *Rev. Ferment. Indus. Aliment. (n.s.)* 20(4):131-143. (Cont.) 1965. 390.08 R32
- 50262 MEHLITZ, A., and MINAS, T. On orange peel oil. 3. Gas chromatographic research on oxygen-containing compounds of orange peel oil. (Ge) *Indus. Obst- Gemuseverwertung* 50(22): 861-867. Ref. Nov.18,1965. 389.8 K832
- 50263 MIZUNO, I., and GUERRERO, A. H. Sunflower, culture and industry. (Sp) *Inform. Grasas Aceites. Bol.* 3(2):17-31. (Cont.) Apr.1965. 307.8 In3
- 50264 MOREAU, J. P., and others. Preparation of vinyl esters of some chlorinated new oilseed crops fatty acids. *Amer. Oil Chem. Soc. J.* 43(2):94-96. Ref. Feb.1966. 307.8 J82
R. L. Holmes, F. G. Dollear, and G. Sumrell, joint authors.
- 50265 MOREAU, J. P., HOLMES, R. L., and SUMRELL, G. Preparation of the vinyl ester of the Diels-Alder adduct of petroselinic acid and hexachlorocyclopentadiene. *Amer. Oil Chem. Soc. J.* 43(1):33-35. Jan.1966. 307.8 J82 From parsley seed oil.
- 50266 MOSSEL, D. A. A. The microbiological quality control of margarine. II: Examination of the pathogenic agents. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):1015-1018. Dec.1965. 384 C422 English summary.
- 50267 NAUDET, M., and others. Gravimetric determination and preparational separation of the "oxidated acids" fraction in peanut oils. (Fr) *Rev. Franc. Corps Gras* 12(7):455-460. July 1965. 307.8 R32
A. Check el Kar, S. Biasini, and J. Pasero, joint authors.
English summary.
- 50268 OGNIVANOV, I., and others. On the composition of the Bulgarian lavender oil. *Perfumery Essent. Oil Rec.* 57(2):87-90. Ref. Feb.1966. 308.8 P41
R. Vlahov, S. Tchordadjiev, and D. Ivanov, joint authors.
- 50269 OREGON ESSENTIAL OIL GROWERS LEAGUE. 1966 membership list. *Oreg. Essent. Oil Growers League. Proc.*, 17th Annu. Meeting: 61-64. 1966. 308.9 Or3
- 50270 OREGON ESSENTIAL OIL GROWERS LEAGUE. Proceedings of the seventeenth annual meeting, Corvallis, Oregon, January 6 and 7, 1966. Corvallis, 1966. 64 p. 308.9 Or3
- 50271 PALLOTTA, U. Analysis of the autoxidation products in fatty materials. (It) *Riv. Ital. Sostanze Grasse* 42(12):587-598. Ref. Dec.1965. 307.8 OL3 English summary.
- 50272 PALLOTTA, U. Esterified olive oils. (It) *Riv. Ital. Sostanze Grasse* 43(1):2-8. Jan.1966. 307.8 OL3 Chemistry and production.
- 50273 PARDUN, H. Problem of determining the quality of vegetable oils. (Ge) *Deut. Lebensmittel-Rundsch.* 62(1):6-13. Ref. Jan.1966. 389.8 D482
- 50274 PASSAGLIA, R. Criteria for obtaining better use of material and equipment on the classic system. (Sp) *Bol. Oleicult. Int.* 88:3-12. Nov./Dec.1965. 307.8 B63 Olive oil extraction.
- 50275 PERRON, R., MATHIEU, A., and PAQUOT, C. Applications of differential thermal analysis to the study of fats. V. Examination of various olive oils. (Fr) *Rev. Franc. Corps Gras* 13(2): 81-89. Ref. Feb.1966. 307.8 R32 English summary.
- 50276 PHILLIPS, T. A. Nucleus plantations and processing factories: their place in the development of organized smallholder production. *Trop. Sci.* 7(3):99-108. 1965. 26 T756 Oilpalm.
- 50277 POHARNOK, P. T. Common Market oil and fat administration. (Du) *Econ.-Statist. Ber.* 51(2526):99-102. Jan.26,1966. 280.8 Ec722
- 50278 POHARNOK, P. T. Community fats and oils administration. II. (Du) *Econ.-Statist. Ber.* 51(2527):126-129. Feb.2,1966. 280.8 Ec722 European Economic Community.
- 50279 POPOV, A., and MICEV, I. Representation of natural free glycerides. (Ge) *Nahrung* 9(8): 916-918. 1965. 389.8 N142 In fat oxidation studies.
- 50280 POWELL, R. G., and SMITH, C. R. New acetylenic fatty acids from *Acanthosyris spinescens* seed oil. *Biochemistry* 5(2):625-631. Ref. Feb.1966. 381 B523
- 50281 RADTKE, R., and HEISS, R. Oriented research on the influence of light on shortenings and butter cookies packed in cellophanes of various color. (Ge) *Tech.-Wiss. Beilage*, p.9-14. In *Verpackungs-Rundschau* 17(2). Feb.1966. 280.38 V592 English summary.

- 50282 RAMAYYA, D. A., and others. Oil-based surface active agents. III. Sulphation of oils and co-sulphation of mixtures of oils. *Indian Oilseeds J.* 9(3):161-167. July/Sept.1965. 307.8 In22
M. A. S. Kumaran, S. D. T. Rao, and K. S. Murti, joint authors.
- 50283 RAO, N. C., and ACHAYA, K. T. Refining loss determination of crude cottonseed oil: simplification of A.O.C.s method Ca 9a-52. *Indian Oilseeds J.* 9(3):173-175. July/Sept.1965. 307.8 In22
- 50284 RAYNER, E. T., BROWN, L. E., and DUPUY, H. P. A simplified process for the elimination of the Halphen-test response in cottonseed oils. *Amer. Oil Chem. Soc. J.* 43(2):113-115. Ref. Feb.1966. 307.8 J82
- 50285 RICOTTI, A. Tin-plate containers for the preservation of edible fats. (It) *Riv. Ital. Sostanze Grasse* 42(12):599-602. Dec.1965. 307.8 OL3
English summary.
- 50286 ROCK, S. P., and ROTH, H. Properties of frying fat. I. *Amer. Oil Chem. Soc. J.* 43(2):116-118. Ref. Feb.1966. 307.8 J82
- 50287 ROJAS CRUZ, L. A. Oil plants in Colombian agriculture and their industrialization. (Sp) *Oleagineux* 20(10):569-574, map. Oct.1965. 77.8 OL2
English summary, p.XXXIX.
- 50288 ROST, H. D. About assessing the oxidation state of heated fats. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):1025-1027. Dec.1965. 384 C422
English summary.
- 50289 SATOSKAR, K. G., LAKSHMINARAYANA, G., and KANE, J. G. Detection of adulterant mahua cake in groundnut cake. *Oils Oilseeds J.* 28(7):4,6. Jan.1966. 307.8 Oi54
- 50290 SAVASTANO, G., and CASTORINA, S. Protective action of antioxidants on olive oil. (It) *Olearia* 19(9/10):175-180. Ref. Sept./Oct. 1965. 307.8 OL2
English summary.
- 50291 SCHWAB, A. W., and others. N-2-Mercaptoethyl amides of fatty acids—a new class of derivatives. *Amer. Oil Chem. Soc. J.* 43(1):30-32. Jan.1966. 307.8 J82
J. A. Stolp, L. E. Gast, and J. C. Cowan, joint authors.
- 50292 SCOTT, W. E., and RISER, G. R. Effect of storage temperature on the stability of triver-nolin. *Amer. Oil Chem. Soc. J.* 43(1):55-56. Jan.1966. 307.8 J82
Veronia oil.
- 50293 SEDLACEK, B. A. J. Study of the UV spectra of fats upon heating at high temperature. 3. (Ge) *Nahrung* 9(8):815-825. 1965. 389.8 N142
English summary.
- 50294 SHEMWELL, A. V. A story of continuous progress. *Meggitt Leadership* 12:10-11. July/Sept.1965. 308.8 M47
Vegetable oil industry in Australia.
- 50295 SHLYAKHOV, V. I., SOKOL'SKII, D. V., and GOLODOV, F. G. Hydrogenation kinetics of cotton seed oil on a stationary catalyst in a flow set-up. (Rus) *Akad. Nauk SSSR. Dokl.* 166:668-670. 1966. 511 P444A
- 50296 SIEGEL, O. On the establishment of a common market organization for fats. (Ge) *Seifen-Ole-Fette-Wachse* 91(10):324-325. May 12, 1965. 307.8 Se4
- 50297 SMITH, V. T., STENGEL, R. H., and UEBER-BACHER, R. L. Vegetable fat coffee whiteners—heresy of common sense? *Milk Dealer* 55(6):64-69. Mar.1966. 44.8 M595
Cream substitutes.
- 50298 SOROA Y PINEDA, J. M. DE. Olive oil; prospects of the industry in Spain. (Sp) *Inform. Grasas Aceites. Bol.* 3(1):42-45. Jan./Mar. 1965. 307.8 In3
- 50299 TAIRA, H., TAIRA, H., and SAKURAI, Y. Studies on amino acid contents of processed soy-bean. 8. Effect of heating on total lysine and available lysine in defatted soybean flour. (Ja) *Jap. Soc. Food Nutr. J.* 18(5):27-29. Ref. 1966. 389.9 J27
English summary.
- 50300 TALEN, H. W. The role of fatty acid compounds in paint technology. (Du) *Chem. Weekbl.* 62(4):30-42. Jan.28, 1966. 385 C42
Includes drying oils.
- 50301 TELEKI, E. The sunflower seeds of new varieties with high oil content in oil mill practice. (It) *Riv. Ital. Sostanze Grasse* 42(12):563-572. Ref. Dec.1965. 307.8 OL3
English summary.
- 50302 TOUBOL, V., and KAPARIS, V. Oily materials in the shells of sunflower seeds. (Fr) *Awamia* 15:119-121. Apr.1965. 24 Aw1
- 50303 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimacion de cosechas 1964: ajonjolí [Crop estimates 1964: sesame]. Caracas, 1965. 33 p. (EEA-65-015) 77.9 V55E
- 50304 VIOQUE, A., and others. Trace elements in edible fats. XII. Recent trials on "demetalization" of soybean oils. (Sp) *Grasas Aceites* 16(6):269-277. Nov./Dec.1965. 307.8 G76
R. Gutierrez, M. A. Albi, and M. Nosti, joint authors.
English summary.
- 50305 WALBECQ, M. Notes on the study of the unsaponifiable of peanut oil. V. Sterols and triterpene alcohols. (Fr) *Rev. Franc. Corps Gras* 13(2):101-108. Ref. Feb.1966. 307.8 R32
English summary.
- 50306 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: mint oil. *Wash. State Univ. Ext. E. M.* 2369, rev., 2 p. Feb.1966. 275.29 W27Mi
Peppermint and spearmint oils.
- 50307 WHITE, E. Thermal polymerisation of vegetable oils. *Meggitt Leadership* 11:10. Apr./June 1965. 308.8 M47
- 50308 WINTERTON, D., and RICHARDSON, K. An investigation into the chemical constituents of Queensland-grown ginger [*Zingiber officinale*]. *Queensland J. Agr. Anim. Sci.* 22(2):205-214. June 1965. 23 Q37
Effect of harvesting date and solvent on the oil.
- 50309 ZULETA, E. Oilseeds. (Sp) *Agr. Trop.* 21(11):699-706. Nov.1965. 26 Ag8
Industry in Colombia.

POULTRY AND POULTRY PRODUCTS

- 50310 ALBERTI, L. Eggs and consumer preferences; interesting results of a survey in the United States. (It) *Avicoltura* 34(9):109-112. Sept. 1965. 47.8 R523
- 50311 AMERICAN POULTRY AND HATCHERY FEDERATION. Who's who in the hatchery world and yearbook for 1966. Ed. 32. Kansas City, Mo., 1966. 248 p. 47.9 In83
- 50312 ASOCIACION NACIONAL SINDICAL AVICOLA. Econometric report on the characteristics of the poultry sector: production, hatcheries, farms, prices. (Sp) *Avicult. Tec.* 16(9):381-382, 385-392, 395-397. Sept.1965. 47.8 Av57
- 50313 BARNES, E. M. The effect of chlorinating chill tanks on the bacteriological condition of processed chickens. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:219-226. 1965. 295.9 In7
Includes discussion.
- 50314 BAYLISS, H. R. Prepare to resist the enemy. *EMB (Egg Marketing Board) Bull.* 6(1):31. Jan.1966. 280.38 Eg8
Egg packing and cooling.

- 50315 BLAKE, C. C. F. How does lysozyme work? New Sci. 29(482):333-335. Feb.10,1966. 472 N42
Study of the lysozyme found in the white of eggs.
- 50316 BOERSMA, H. Y., and GERRITS, A. R. Development in poultry processing in the Netherlands. Int. Inst. Refrig. Bull. Suppl. 1965-1: 203-209. 1965. 295.9 In7
Includes discussion.
- 50317 BRANSON, R. E., LESTER, W. B., and GARDNER, F. A. Freezing poultry industry's sole hope of controlling marketing destiny. Quick Frozen Foods 28(8):122-126. Mar.1966. 389.8 Q4
- 50318 BRUNOLI, A. The Italian poultry industry begins its second epoch. (It) Avicoltura 34(6): June 1965. 47.8 R523
- 50319 BUCHLI, K. Microbiological control in poultry processing plants with the "Ten Cate sausage." Int. Inst. Refrig. Bull. Suppl. 1965-1:227-235. 1965. 295.9 In7
Agar sausage for cultures.
Includes discussion.
- 50320 BULLING, E. Demonstration of pasteurisation of whole egg by the alpha amylase test. (Ge) Zentralbl. Veterinarmed. Reihe B, 12(6):476-487. Nov.1965. 41.8 Z52
English summary.
- 50321 BUTTIAUX, R., and CATSARAS, M. Technique of Salmonella research in dehydrated eggs. (Fr) Nancy. Univ. Fac. Pharm. Ass. Diplomes Microbiol. Bull. 100:22-30. Ref. Fourth Q. 1965. 448.2 N152
- 50322 CATTABRIGA, D. A simple instrument for evaluating the quality of eggs. (It) Avicoltura 34(8):110-112. Aug.1965. 47.8 R523
- 50323 DIFFIDENTI, G. A. The dealers don't want the "Italian egg" and CONAV does it alone. (It) Avicoltura 34(8):101-105. Aug.1965. 47.8 R523
Grading of the eggs by the Consorzio Nazionale Cooperativo Avicolo and the Italian market for them.
- 50324 DIFFIDENTI, G. A. The fresh "Italian egg" but it can't be found. (It) Avicoltura 34(5):49-51. May 1965. 47.8 R523
Especially the work of the Italian Consorzio Nazionale Cooperativo Avicola (CONAV).
- 50325 DIFFIDENTI, G. A. From saying to doing. (It) Avicoltura 34(11):65-68. Nov.1965. 47.8 R523
The Italian poultry situation.
- 50326 DIFFIDENTI, G. A. Italy at the bar—the fresh egg. (It) Avicoltura 34(6):105-106. June 1965. 47.8 R523
- 50327 DIFFIDENTI, G. A. The standards for poultry production approved by the Congressional Agricultural Commission. (It) Avicoltura 34(6): 243,245,247-249. June 1965. 47.8 R523
Includes the law.
- 50328 DIFFIDENTI, G. A. A wrong forecast and foolish poultry policy! (It) Avicoltura 34(9):65-68. Sept.1965. 47.8 R523
Prices of Italian poultry and eggs.
Includes discussion.
- 50329 DINICO, F. Progress in the conditioning of poultry products. (It) Avicoltura 34(11):99-103. Nov.1965. 47.8 R523
French summary. p.70-71.
Packaging of hatchery chicks and of eggs.
- 50330 ECHTERLING, C. J. Table poultry. New Zeal. Stand. Bull. 11(4):5-9. Dec.1965. 309.8 N48
- 50331 FRONING, G. W. Effect of various additives on the binding properties of chicken meat. Poultry Sci. 45(1):185-188. Jan.1966. 47.8 Am33P
- 50332 GIORDANI, G. Significance of the congress to the present state of Italian and European poultry production. (It) Accad. Naz. Agr. Ann. 76: 19-26. 1965. 16 B632A
Second European Poultry Conference.
- 50333 GODFREY, E. F., and TAYLOR, M. H. Incidence of blood spots in Coturnix quail eggs. Poultry Sci. 45(1):205-206. Jan.1966. 47.8 Am33P
- 50334 GUTSCHMIDT, J. The influence of packaging on egg quality. Int. Inst. Refrig. Bull. Suppl. 1965-1:191-199. Ref. 1965. 295.9 In7
Includes discussion.
- 50335 HEFFNER, J. F. Consumer preference for three dozen egg cartons. La. Rural Econ. 28 (1):13-16. Feb.1966. 281.8 L93
- 50336 HUTTAR, J. C. The poultry outlook for 1966. Agway Coop. 2(4):5-6. Apr.1966. 280.28 Ag9
- 50337 JASPER, W. Calorimetric measurements in immersion freezing of poultry. (Ge) Fleischschmeister 19(9):234-237. Sept.1965. 50.8 F622
- 50338 JASPER, W. Technology of immersion freezing of poultry. (Ge) Fleischschmeister 19(11): 289-292. Nov.1965. 50.8 F622
- 50339 KANAMORI, M., and KAWABATA, M. Studies on egg protein. VI. The trypsin inhibitor and flavomucoid fraction of ovomucoid. Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:71-79. Sept.1965. 22.5 K993
- 50340 KLOSE, A. A., CAMPBELL, A. A., and HANSON, H. L. Effect of polyphosphates in chilling water on quality of refrigerated and frozen turkey meat. Int. Congr. Refrig. Proc., 11th Congr., v.2:789-794. Ref. 1963, pub.1965. TP490.15
Includes discussion.
- 50341 KRAFT, A. A., and AYRES, J. C. Competitive growth of microorganisms and fluorescence development on inoculated chicken. J. Food Sci. 31(1):111-117. Ref. Jan./Feb.1966. 389.8 F7322
- 50342 LINEWEAVER, H., and others. Heat pasteurization of natural and modified liquid egg white. Int. Inst. Refrig. Bull. Suppl. 1965-1:117-128. Ref. 1965. 295.9 In7
F. E. Cunningham, J. A. Garibaldi, L. Kline, and T. F. Sugihara, joint authors.
- 50343 LUBIENIECKI VON SCHELHORN, M. Theoretical considerations on the efficacy of German statutory chemical preservatives for liquid egg yolk. Int. Inst. Refrig. Bull. Suppl. 1965-1:129-138. 1965. 295.9 In7
Includes discussion.
- 50344 LUHMANN, M. Fattening geese in Germany? (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):402, 404,405-407, map. Mar.10,1966. 18 N39
Industry.
- 50345 MCWHINNEY, G. H. Pasteurized eggs. Baker's Dig. 40(1):53-56. Feb.1966. 389.8 S11
Regulations.
- 50346 MENESI, J., SZEKER, I., and TAKATS, X. Baromfitolt [Poultry feathers]. Budapest, Múszaki Könyvtár, 1965. 206 p. Ref. HD9438.F42M4
Processing and utilization.
- 50347 MILLER, B. F. Tendon removal in market turkeys. Poultry Sci. 45(1):202-203. Jan.1966. 47.8 Am33P
- 50348 MILLER, H. T., and FEENEY, R. E. The physical and chemical properties of an immunologically cross-reacting protein from avian egg whites. Biochemistry 5(3):952-958. Ref. Mar. 1966. 381 B523
- 50349 MORDINI, G. Rural poultry raising yes, rural poultry raising no, in the Bologna livestock situation. (It) Mercanzia 20(12):818-822. Dec. 1965. 287 B635
- 50350 MULLER, H. What quality demands shall be placed on the great number of egg types found in the market? (Ge) Arch. Lebensmittelhyg. 17(1):13-14. Jan.1966. 41.8 L49
- 50351 NEWELL, G. W., and others. The effect of pH changes on protein patterns in chicken eggs. Poultry Sci. 45(1):200-201. Jan.1966. 47.8 Am33P
R. G. McKerley, J. G. Berry, G. W. Foreman, and G. V. Odell, joint authors.
- 50352 NIELEBOCK, E. W. Fresh eggs in transparent containers. (It) Avicoltura 34(9):113-117. Sept.1965. 47.8 R523

- 50353 PARTMANN, W. Structural and biochemical differences between red and white muscle tissue of chicken. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:243-253. Ref. 1965. 295.9 In7
Includes discussion.
- 50354 QUEENSLAND, DEPT. OF PRIMARY INDUSTRIES. DIV. OF MARKETING. Report on the poultry industry in South East Queensland, 1965-66 season. n.p., 1966. 10 p., map. 281.3479 Q3
Statistical.
- 50355 RINALDI, L. Egg advertising in Switzerland. (It) *Avicoltura* 34(5):88-96. May 1965. 47.8 R523
French summary, p.54.
- 50356 ROHDE, R. Current problems in the supervision of poultry consumption. (Ge) *Fleischermeister* 19(7):170-171. July 1965. 50.8 F622
Inspection.
- 50357 ROSSI, A. With Ptiseprom will there be more eggs and more poultry? (It) *Avicoltura* 34(11):124-128. Nov.1965. 47.8 R523
The Russian program for the poultry industry.
- 50358 SAUTER, E. A. The effect of lye on the incidence of fluorescent spoilage in washed eggs. *Poultry Sci.* 45(1):131-135. Jan.1966. 47.8 Am33P
- 50359 SCHILLER, K. The price—an important economic lever for increasing performance in poultry breeding. (Ge) *Tierzucht* 20(2):95-96. Feb.1966. 49 T443
- 50360 SCHOORL, P. Preservation of the interior egg quality by wax coating. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:179-182. 1965. 295.9 In7
Includes discussion.
- 50361 SCHOORL, P. Red fluorescence of eggs in UV-light after washing. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:173-177. 1965. 295.9 In7
- 50362 SCHOTHORST, M. VAN, MOSSEL, D. A. A., and KAMPELMACHER, E. H. Surface control with agar sausage according to Ten Cate. (Ge) *Arch. Lebensmittelhgy.* 17(1):1-4. Ref. Jan. 1966. 41.8 L49
English summary.
Bacteriological examination of poultry processing plant.
- 50363 SCHRODER, K., and KREUZER, W. Contamination of poultry meat and egg products with ^{137}Cs . (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):617-621. Dec.1965. 41.8 Z52
English summary.
- 50364 SCHULTZ, R. W. Tips for better egg washing. *Poultry Trib.* 72(3):30,32,42. Mar.1966. 47.8 P8642
- 50365 SHRIMPSON, D. H. The influence of freezing on the quality of poultry meat. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:237-242. Ref. 1965. 295.9 In7
- 50366 SHRIMPSON, D. H. Pasteurization of egg products. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:109-115. Ref. 1965. 295.9 In7
- 50367 SHRIMPSON, D. H. Recent developments in the use of refrigeration in the British poultry industry. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:211-218. Ref. 1965. 295.9 In7
Includes discussion.
- 50368 SIMLOT, M. M., and FEENEY, R. E. Relative reactivities of chemically modified turkey ovomucoids. *Arch. Biochem. Biophys.* 113(1):64-71. Ref. Jan.1966. 381 Ar2
- 50369 TCHIGEOV, G. B., DIDENKO, R. A., and BIK-KULOVA, I. M. The treatment and coating of egg shells for long-term storage. *Int. Inst. Refrig. Bull. Suppl.* 1965-1:185-189. 1965. 295.9 In7
- 50370 THIEDE, G. Small carton packages for eggs—an improved marketing method for agricultural quality products. (Ge) *Tierzucht* 19(12):652-653. Dec.1965. 49 T443
- 50371 U. S. CONSUMER AND MARKETING SERV. POULTRY DIV. Poultry parts chart—poster. U. S. D. A. PA-678, chart. Oct.1965. 1 Ag84Pro
- 50372 VALDECANTOS, A., POZO, R., and GARCIA-MATAMOROS, E. Quality losses during the storage of shell eggs. I-II. (Fr) *Int. Inst. Refrig. Bull. Suppl.* 1965-1:139-149, 151-172. Ref. 1965. 295.9 In7
English summary.
I, Microbiological changes; II, Physico-chemical changes.
Includes discussion.
- 50373 VALDECANTOS, A., POZO, R., and GARCIA-MATAMOROS, E. Refrigerated storage of eggs. I. Microbiological modifications. (Sp) *Rev. Frio* 9(1):5-12. Ref. Jan./Mar.1964. 295.8 R324
English summary.
- 50374 VERTREES, J. G., and WILLIAMS, R. J. Integration in the Indiana turkey industry. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 215, 7 p. Feb. 1966. 100 In2Res
- 50375 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: turkeys—U.S. Wash. State Univ. Ext. E. M. 2314, rev., 2 p. Nov.1965. 275.29 W27Mi
- 50376 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: Washington turkeys. Wash. State Univ. Ext. E. M. 2315, rev., 2 p. Nov.1965. 275.29 W27Mi
- 50377 WELZ, W. Experiences in the inspection of market-egg. (Ge) *Arch. Lebensmittelhgy.* 17(1):14-18. Ref. Jan.1966. 41.8 L49
- 50378 WESTOO, G., SJOSTRAND, B., and WESTERMARK, T. Mercury in eggs. (Sw) *Var Foda* 5:1-7. 1965. 389.8 V26
- 50379 WILLIAMS, H. M. Major changes now affecting the frozen poultry business. I. Quick Frozen Foods 28(6):89-92. Jan.1966. 389.8 Q4
- 50380 WILLIAMS, H. M. Shift to large operators prelude to strong frozen poultry push. II. Quick Frozen Foods 28(7):152-154. Feb.1966. 389.8 Q4
- 50381 ZIOLECKI, J. The effect of aging period and pH-value of chicken meat on cooking losses. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:801-803. 1963, pub.1965. TP490.15

RUBBER AND RUBBER SUBSTITUTES

- 50382 CANADA, BUR. OF STATISTICS. Rubber industries, 1962. Ottawa, 1965. 24 p. (Annual Census of Manufacturers) 253 C335R
- 50383 CANADA, BUR. OF STATISTICS. Rubber industries 1963. Ottawa, 1966. 23 p. (Annual Census of Manufactures) 253 C335R
Includes statistics of rubber consumption.
- 50384 FRITH, G. A. Natural rubber thread for a firm foundation. *Rubber Develop.* 43(1):124-129. Jan.1966. 307.8 J82
- 50385 GUPTA, P. K. S., and GHOSH, P. Spectrophotometric method for the determination of natural rubber hydrocarbon. *Anal. Chem.* 38(3):505. Mar.1966. 381 J825A
- 50386 LAL, J., and SCOTT, K. W. Properties and structure of elastomers. *J. Polymer Sci. Part C, Polymer Symp.* 9:113-134. Ref. 1965. 381 J829S
- 50387 MORRELL, S. H., and MOSELEY, R. J. Vulcanising with PF resins. *Rubber J.* 148(2):58, 60, 62. Feb.1966. 305.8 In21
- 50388 WILLIAMSON, F. B. Chromatographic detection of accelerators and antioxidants. *Rubber J.* 148(2):24-32, 34, 62. Ref. Feb.1966. 305.8 In21

SEEDS

- 50389 AZEVEDO, D. M. L. DE. Seed storage in the Balombo region. (Por) *Gaz. Agr. Angola* 10(12):678-679. Dec.1965. 24 G252
- 50390 BRANDENBERG, N. R., and HARMOND, J. E. Separating seeds by length with special indent cylinders. *Oreg. Agr. Exp. Sta. Tech. Bull.* 88, 20 p. Jan.1966. 100 Or3S

- 50391 CHALAM, G. V., and GILL, N. S. National Seeds Corporation, New Delhi. Bharat Krishak Samaj. Year Book 1964:607-611. 22 B46
- 50392 CHANG, S. T. The present condition of the work and experience with American vegetable seeds. (Ch) Newslett. Seeds Mon. 1(9):5-8. Nov.1965. 61.8 C47
- 50393 COSCIA, A. A., and TORIGINO, S. B. DE. Produccion y comercializacion de semillas de forrajeras perennes [Production and marketing of seeds of perennial forages]. Pergamino. Estac. Exp. Agropecuar. Inform. Tec. 39,29 p. Jan.1965. 102.5 P413
Includes trade.
- 50394 COX, S. W. R. A volumometer for use with seeds. J. Agr. Eng. Res. 10(4):359-361. Dec. 1965. 58.8 J82
- 50395 HALLERSTROM, B. Overforing av spannmål vid skordetresking av faltforsök [Transfer of grain in combine harvesting of field plots]. Uppsala. Lantbrukshögsk. Medd. Ser. B, 6,13 p. 1965. 11 Up62M
To prevent mixing of varieties.
- 50396 HUNG, F. An investigation of the management of the seed and seedling industry in this Province (Taiwan). (Ch) Newslett. Seeds Mon. 1(10):1-3. Dec.1965. 61.8 C47
- 50397 HUTCHINSON, F. E., and RICH, J. S. Commercial agricultural and vegetable seeds, 1965; pesticides, 1965. Maine. Agr. Exp. Sta. Offic. Insp. 277,60 p. Oct.1965. 100 M28S
- 50398 KELLY, A. F. The current usage of herbage seeds. Nat. Inst. Agr. Bot. J. 10(2):298-303. 1965. 103 N21J
- 50399 KIELMAN, A. P. Problems as a result of changes in grain seed processing. (Du) Stiching Ned. Graan-Cent. Meded. 15:39-42. 1964. 59.9 St52M
Chiefly on drying equipment and packing.
- 50400 KUCHERYAVYI, YA. F. Production of seeds should correspond to the requirements of intensified farming. (Rus) Selekt. Semenovodstvo 1:8-11. Jan./Feb.1966. 61.9 Se5
- 50401 LANGER, S. Preparation of beet seeds according to density. (Ge) Albrecht-Thaer-Arch. 9(3):243-252. 1965. 18 AL1
English summary.
Sorting.
- 50402 LAWTON, P. J. Resistance to air flow of some common seeds. J. Agr. Eng. Res. 10(4):298-300. Dec.1965. 58.8 J82
- 50403 MASSIE, D. Be choosy with seed. Western Farmer 43(8):22-24. Feb.1966. 47.8 W27
- 50404 MASSIE, D. Seeds: why be choosy? West. Crops 14(3):28-29. Mar.1965. 281.8 F2225N
- 50405 MAZO, E. Z. Against generalization of cotton seed quality. (Rus) Khlopkovodstvo 2:32-33. Feb.1966. 72.8 K522
- 50406 MECHISLAVSKII, YU. A., and others. Mechanical selection of better seeds. (Rus) Khlopkovodstvo 1:38-40. Jan.1966. 72.8 K522
K. E. Ovcharov, N. N. Ul'rikh, and L. D. Ryabova, joint authors.
Cotton.
- 50407 NEGRU-VODE, A. S. Organization of seed industry in Moldavian SSR. (Rus) Selekt. Semenovodstvo 1:3-8. Jan./Feb.1966. 61.9 Se5
- 50408 NEW YORK CERTIFIED SEED GROWERS' COOPERATIVE. New York certified seed directory of crops grown in 1965. Ithaca, 1965. 31 p. 61.9 N48
- 50409 PERTICARA, G. Conservation of dry seeds by refrigeration. (Fr) Int. Congr. Refrig. Proc., 11th Congr., v.2:1223-1227. 1963, pub.1965. TP490.I5
English summary.
- 50410 PRIEZHEVA, L. G., and ALEKSEEVA, L. V. Change in weight of some stored vegetable seeds depending on their moisture content. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:481-487. 1965. 20 M857
- 50411 PRIEZHEVA, L. G., and ALEKSEEVA, L. V. Peculiarities of chemical composition of vegetable seeds. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 102:317-323. 1965. 20 M857
- 50412 QUADLAND, H. P. Put your beauty food forward. Seed World 98(4):10-11. Feb.25,1966. 61.8 Se52
Advertising.
- 50413 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR-GENERAL. Report on the accounts of the Lucerne Seed Control Board for the financial year 1st November, 1963 to 31st October, 1964 and the balance sheet as of 31st October, 1964. Pretoria, 1965. 13 p. 60.39 So8
Text also in Afrikaans.
- 50414 SHARP, R. B., and NASH, J. E. A method of determining the specific heat of seeds. J. Agr. Eng. Res. 10(4):355-358. Dec.1965. 58.8 J82
A calorimeter used.
- 50415 SMITH, R. E. The test of transition. Seed World 98(4):4-7. Feb.25,1966. 61.8 Se52
Industry and outlook.
- 50416 SUNG, T. Y. Attacking injuries in seeds. (Ch) Newslett. Seeds Mon. 1(10):4. Dec.1965. 61.8 C47
On moisture content of seeds.
- 50417 SWARBRICK, J. T. Storage of cocoa seeds. Exp. Agr. 1(3):201-208. Ref. July 1965. 10 Ex72
- 50418 TALDYKIN, A. A. Necessity for specialization in production of seeds. (Rus) Selekt. Semenovodstvo 1:11-16. Jan./Feb.1966. 61.9 Se5
- 50419 VARSHNEY, I. P., and KHAN, S. Y. Saponins and sapogenins. XXVI. On the second saponins of Maharashtrian Albizzia odoratissima, 1Benth. seeds. Chem. Soc. Jap. Bull. 38 (7):1214. July 1965. 385 T57B
- 50420 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: Merion bluegrass seed, Kentucky bluegrass seed. Wash. State Univ. Ext. E. M. 2371, rev., 2 p. Jan.1966. 275.29 W27Mi
- 50421 WEST VIRGINIA. DEPT. OF AGRICULTURE. Seed inspection report, July 1, 1964 to June 30, 1965. W. Va. Dep. Agr. Bull. (n.s.):126,16 p. 1965. 2 W522
- 50422 WU, L. T. Introducing PDAF's seed certification office. Newslett. Seeds Mon. 1(9):5-8. Nov.1965. 61.8 C47
Taiwan Province Department of Agriculture and Forestry. Seed Certification Office.
- 50423 YAN, F., and others. Equipment for grading buckwheat seeds by water. (Rus) Tekh. Sel'skom Khoz. 2:15-16. Feb.1966. 58.8 M11
V. Mezner, G. Mikryukov, and A. Vasil'ev, joint authors.

SUGAR AND SIRUPS

- 50424 ANDERSON, D. M. W., and STODDART, J. F. Separations of sugars on "Chromagrams." Carbohyd. Res. 1(5):417-418. Jan./Feb.1966. 385 C172
- 50425 ASSOCIATION DES CHIMISTES ET INGENIEURS. Catalogue des principaux fournisseurs de l'industrie sucriere [Catalog of the principal suppliers of the sugar industry], 1964. Indus. Aliment. Agr. 81(7/8,sup.):819-834. July/Aug.1964. 383 As7
- 50426 ATHENSTEDT, M. About the application of hydrocyclones in sugar juice purification. (Ge) Z. Zuckerindus. 15(8):456-458. Ref. Aug.20,1965. 65.8 D48
English summary.
- 50427 BAX, G. Some notes on automatic boiler control. Rev. Agr. Sucriere Ile Maurice 44(2):109-117. June 1965. 24 M44
In sugar manufacture.

- 50428 BICHSEL, S. E. The chemical destruction of sucrose, fructose, and glucose in hot alkaline process juices and liquors. *Amer. Soc. Sugar Beet Technol. J.* 13(5):406-414. Apr.1965. 66.9 Am35J
- 50429 CABLE, J. A. Get the right pump. *Sugar J.* 28(9):39-40. Feb.1966. 65.8 Su391
Sugar manufacturing equipment.
- 50430 CHEN, W., and WANG, P. C. Chelatometric titration of sulfate as barium sulfate using Eriochrome Black T as indicator. (Ch) *Taiwan Sugar Exp. Sta. Rep.* 37:131-139. Jan. 1965. 65.9 F76R
English summary.
For determination of sulfate in sugar.
- 50431 CHENG, Y. C. Application of "infra-red" moisture balance for the determination of the moisture content in final molasses. (Ch) *Taiwan Sugar Exp. Sta. Rep.* 38:119-127. Apr. 1965. 65.9 F76R
English summary.
- 50432 DEKKER, K. D. The filterability of raw sugars. *Rev. Agr. Sucriere Ile Maurice* 44(4): 244-255. Oct./Dec.1965. 24 M44
- 50433 DOBRONRAVOV, F. N., and KIKIN, I. I. And in Kirghizia production of seeds should be profitable. (Rus) *Sakharn. Svekla* 1:32-33. Jan. 1966. 66.8 Su393
Sugar beets.
- 50434 EDELER, H. Beet plant (beet juice) industry 1964/65. (Ge) *Indus. Obst- Gemuseverwertung* 50(24):947-948. Dec.16,1965. 389.8 K832
- 50435 FAUCONNIER, R., and BASSEREAU, D. Preliminaries to studies and experimentation with a view to the planning and execution of a development operation. (Fr) *Agron. Trop. [Paris]* 20(10):1060-1061. Oct.1965. 26 Ag86
Tropical sugar industry program.
- 50436 FERREIRA, C. H. G. Sugar in the countries of the European Economic Community (E.C.C.) (Por) *Gaz. Agr. Angola* 10(11):625-626. Nov. 1965. 24 G252
- 50437 GRAY, F. D. The maple sweetener situation. U. S. D. A. *Econ. Res. Serv. NFS-115:26-31*. Feb.15,1966. 1.941 S2F73
Syrup and sugar.
- 50438 HANGYAL, K. Changes in technological properties of sugar beets during storage. (Hu) *Cukoripar* 19(1):13-17. (Cont.) Jan./Feb. 1966. 65.8 C89
- 50439 HIBBERT, D., and PHILLIPSON, R. T. The determination of extraneous, water-insoluble matter in white sugars using membrane filters. *Int. Sugar J.* 68(806):39-44. Feb.1966. 65.8 In8
In Great Britain.
- 50440 HURT, L. C. World sugar surplus continues but prices may improve. *Foreign Agr. Incl. Foreign Crops Markets* 4(7):6-7. Feb.14,1966. A281.9 F76Fo
- 50441 IGNATOV, N. M. Changes in the structure of sugar beets in storage under the effect of negative temperatures. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:427-431. 1965. 20 M857
- 50442 JACQUES, MRS. P. Bulk storage of sugar. (Fr) *Sucrerie Belge* 85(3):93-99. Ref. Nov.15,1965. 66.8 Su1
- 50443 KAGA, T., SUZUKI, K., and YAMANE, T. Filtration-impeding materials in raw sugars of various origins. II. The filtrability of laboratory carbonatation slurries. *Int. Sugar J.* 68 (805):3-6. Jan.1966. 65.8 In8
- 50444 KLAUSHOFER, H., and PARKKINEN, E. The significance of aerobic and anaerobic thermophilic spore-forming organisms as causative factors of infection in beet sugar factories. I. *Clostridium thermohydrosulfuricum*, a new sucrose degrading, thermophilic, hydrogen sulphide forming genus of *Clostridium*. (Ge) *Z. Zuckerindus.* 15(8):445-449. Ref. Aug.20, 1965. 65.8 D48
English summary.
- 50445 KORZHENKO, N. P. Temperature in different storage methods for seed sugar beets. (Rus) *Sakharn. Svekla* 1:33-34. Jan.1966. 66.8 Su393
- 50446 KUNZE, O. R., HALL, C. W., and SNYDER, F. W. Flotation and conveying air velocities for processed monogerm sugar beet fruits. *Amer. Soc. Sugar Beet Technol. J.* 13(5):448-461. Apr.1965. 66.9 Am35J
- 50447 LAMBORN'S chart of U. S. raw sugar prices, 1962-1965. New York, 1966. 2 p.-folder. 284,3659 L17Ch
- 50448 MADRAZO, C. M., and RONOLETE, V. B. Clarification studies on four sugar cane juices at San Carlos during 1964-65 crop. *Sugar News [Manila]* 41(12):735-736,738,740. Dec. 1965. 65.8 Su36
- 50449 MUNGOMERY, R. W. Amendments to the Sugar Experiment Stations Acts. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart.* 29(3): 105-106. Jan.1,1966. 65.9 Q3C
- 50450 NEMETH, B. Rapid method for normal purity determination of molasses. (Hu) *Cukoripar* 19(1):23-24. Jan./Feb.1966. 65.8 C89
German summary.
- 50451 OLBRICH, H. Barzdorf molasses distillery a hundred years ago. (Ge) *Branntweinwirtschaft* 106(4):118-122, map. Ref. Feb.25,1966. 390.8 B7322
- 50452 OLBRICH, H. Beet molasses as a distillery raw material in the first half of the nineteenth century. (Ge) *Branntweinwirtschaft* 106(4):85-100. Feb.25,1966. 390.8 B7322
- 50453 OLBRICH, H. Molasses market and utilization. (Ge) *Branntweinwirtschaft* 106(4):112,114. Feb.25,1966. 390.8 B7322
- 50454 OOMMEN, T. T., and BAHREE, V. C. For increased sucrose extraction and greater mill capacity. *Sugar J.* 28(9):37-38. Feb.1966. 65.8 Su391
Processing and processing equipment.
- 50455 PANJE, R. R. Indian Institute of Sugarcane Research, Lucknow. *Bharat Krishak Samaj. Year Book* 1964:528-535. 22 B46
- 50456 PORTERES, R. The Ronier palm (*Borassus aethiopum* Mart.) in the Province of Baoule (Ivory Coast). (Fr) *J. Agr. Trop. Bot. Appl.* 12(1/3):80-107. (Cont.) Jan./Mar.1965. 26 J822
Tapping for the sap.
- 50457 RASMUSSEN, P. Covering of beet pits with plastic. (Da) *Landbonyt* 19(10):346-350. Oct.1965. 11 L2322
- 50458 REMORENKO, V., and SHCHEPERIN, G. Concentration of sugar beet production regions. (Rus) *Skharn. Svekla* 1:13. Jan.1966. 66.8 Su393
- 50459 ROBACHE, A. Circular stockage of sugar beets in the central refinery of Cambrai. (Fr) *Sucrerie Franc.* 107(2):31-34. Feb.1966. 65.8 J82
- 50460 SAINT ANTOINE, J. D. DE R. DE, and VIGNES, E. C. Juice preservation during shutdowns. I. *Int. Sugar J.* 68(805):11-14. Jan.1966. 65.8 In8
Sugarcane.
- 50461 SAINT ANTOINE, J. D. DE R. DE, and VIGNES, E. C. Juice preservation during shutdowns. II. *Int. Sugar J.* 68(806):35-36. Feb.1966. 65.8 In8
- 50462 SANCHEZ, O. Sugarcane. (Sp) *Agr. Trop.* 21 (11):650-656. Nov.1965. 26 Ag8
Industry in Colombia.
- 50463 SAYER, M. D. Artificial sweeteners—their impact on the food laws. *Food Drug Cosmet. Law J.* 21(2):111-123. Feb.1966. 389.58 F732
- 50464 SCHOENROCK, K. A new approach to the saccharate cake purity determination. *Amer. Soc. Sugar Beet Technol. J.* 13(5):425-431. Apr. 1965. 66.9 Am35J

- 50465 SEIP, J. J. Audubon Sugar Factory; after 75 years in chemical engineering training. Sugar J. 28(9):14-15,17-20,22. Feb.1966. 65.8 Su391
The factory is a part of Louisiana State University.
- 50466 SHIBUKAWA, M., TAKAHASHI, H., and OHSAWA, T. L-glutamic acid fermentation with molasses. V. Agr. Biol. Chem. 29(9):813-823. Ref. Sept.1965. 385 Ag8B
- 50467 STONE, H., and OLIVER, S. Effect of viscosity on the detection of relative sweetness intensity of sucrose solutions. J. Food Sci. 31(1):129-134. Ref. Jan./Feb.1966. 389.8 F7322
- 50468 SUBBA-RAO, K. S. Indian Central Sugarcane Committee, New Delhi. Bharat Krishak Samaj. Year Book 1964:584-586. 22 B46
- 50469 TAUFEL, K., BEHNKE, U., and WERSUHN, H. Determination of sucrose in beet molasses by means of glucose oxidase. (Ge) Z. Zucker-indus 15(8):462-465. Ref. Aug.20,1965. 65.8 D48
English summary.
- 50470 TSE, C. C., and HSUEH, Y. S. A study on the interplanting sugarcane F146 with other crops. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:13-31. Ref. Apr.1965. 65.9 F76R
English summary.
- 50471 U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. Molasses market news: annual summary, 1965. U. S. Consum. Marketing Serv. C&MS-2,27 p. Mar.1966. A280.39 C762
- 50472 VAVRINECZ, G. Formation and composition of sugar beet molasses. IV. (Ge) Z. Zucker-indus. 15(8):449-456. Ref. Aug.20,1965. 65.9 D48
English summary.
- 50473 VAVRINECZ, G. Formation and composition of sugar beet molasses. IV. (Hu) Cukoripar 19(1):1-9. Ref. Jan./Feb.1966. 65.8 C89
German summary.
- 50474 WANG, C. T. Identification of amino acids in Taiwan's new sugar cane varieties. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:129-136. Apr. 1965. 65.9 F76R
English summary.
Analysis of juices.
- 50475 WU, C. Research at Taiwan Sugar Corporation. Sugar J. 38(9):46-48. Feb.1966. 65.8 Su391
- 50476 ZANA, J. Study of properties of native and foreign sugar beet varieties in 1964. (Hu) Cukoripar 19(1):26-33. Jan./Feb.1966. 65.8 C89
German summary.
- 50477 ZOTOV, V. Development of the sugar industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 102:4-9. Jan.7, 1966. (JPRS 33,635; TT 66-30079; CSO 1840-D, PE) 173 J663Tro
Sugar beets production quotas.
Translation from Ekonomicheskaya Gazeta 43:10-11. Oct.1965.
- TOBACCO**
- 50478 ABALOS, J. R. The native tobacco industry and the socio-economic program of President Macapagal. Philippine Tobacco Rev. 2(2):4-9. Apr./Oct.1965. 286.89 P53
- 50479 ABE, I., and others. Researches on American and Canadian burley tobacco leaves. II. Physical properties of tobacco leaf. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107: 249-256. 1965. 385 J273
K. Saito, M. Furusawa, and F. Miyanowaki joint authors.
English summary.
- 50480 ALLEN, G. V. Tobacco industry faces another challenging year. Tobacco [New York] 161(27): 32,34. Dec.31,1965. 286.89 T552
- 50481 ANDERSON, W. H. W. How tobacco aids economy of the U. S. A. Tobacco [New York] 161 (27):44-45. Dec.31,1965. 286.89 T552
- 50482 AUSTRALIAN Tobacco Annual 1966. Sydney, 1966. 72 p. 286.89 Au74
Directory of associations and members.
- 50483 BILLENA, M. O., and ABELARDO, N. L. Distribution of profits in native leaf tobacco trading: a closer look at PTA [Philippine Tobacco Administration] subsidy prices. Philippine Tobacco Rev. 2(1):4-7,38. Jan. Mar.1965. 286.89 P53
- 50484 BUNN, J. M., TOWLES, D. R., and HENSON, W. H. Colorimetric evaluation of burley tobacco curing cycles. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):417-418,422. Ref. 1965. 290.9 Am32T
- 50485 CALAMBA, R. M. The native tobacco industry in Misamis Oriental. Philippine Tobacco Rev. 2(1):33. Jan./Mar.1965. 286.89 P53
- 50486 CHUMAN, T., and others. Studies on the characteristics of compression of tobacco strip. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:277-281. 1965. 385 J273
Y. Masuo, Y. Katayama, M. Kokusho, and H. Takeya, joint authors.
English summary.
- 50487 FUKUZUMI, T., and others. Extraction of the disagreeable odor bearing constituents from Shirodaruma (DK) leaf tobacco. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107: 269-272. 1965. 385 J273
H. Kaneko, H. Takahara, H. Nakamura, and I. Onishi, joint authors.
English summary.
- 50488 FUKUZUMI, T., and others. Isolation of solanone from "Daruma" tobacco leaf. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107: 273-275. 1965. 385 J273
H. Kaneko, H. Takahara, H. Nakamura, and I. Onishi, joint authors.
English summary.
- 50489 FURUSAWA, M., and NOZAWA, K. Studies on sorption and desorption of moisture for tobacco. I-II. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:101-112. 1965. 385 J273
English summary.
- 50490 GODFREY, H. D. Over-supply number one leaf industry problem. Tobacco [New York] 161(27):42-43. Dec.31,1965. 286.89 T552
- 50491 HARRINGTON, M. Industry has best year-'66 should be better. Tobacco [New York] 161(27): 33,60. Dec.31,1965. 286.89 T552
- 50492 HEDRICK, J. L. Methodology for explaining the dynamics of factor rewards under the tobacco program. N. C. State Univ. Agr. Policy Inst. Ser. 17:153-160. Apr.1965. 281.9 N8122
Price support and acreage control program.
- 50493 HENSON, W. H., and HASSLER, F. J. Certain dielectric and physical properties of intact tobacco leaves. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):524-527,529. Ref. 1965. 290.9 Am32T
Includes dielectric constants and conductivity.
- 50494 HINZ, C. F., and WESTENHOEFER, J. Microbial degradation of nicotine. II. Effect on environmental conditions. Tobacco [New York] 162 (11):30-33. Ref. Mar.18,1966. 286.89 T552
Bacteria.
- 50495 HUNTER, T. R. A direct oil-fired curing technique is tried out. Rhodesian Tobacco J. 18(1):33-34. Jan.1966. 69.8 R34
- 50496 JOHNSON, W. H. Influence of harvesting and process variables on bulk curing of bright leaf tobacco. Amer. Soc. Agr. Eng. Trans. ASAE 8(3):354-357. 1965. 290.9 Am32T
- 50497 KAMACHI, T., and others. Studies on bulkiness and filling ability. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:125-130. Ref. 1965. 385 J273
M. Kawabata, H. Yoshitani, and I. Morishita, joint authors.
English summary.

- 50498 KATO, K., TAKAHASHI, N., and KABURAKI, Y. Thermal analysis of tobacco stem constituents. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:165-169. 1965. 385 J273
English summary.
- 50499 KATO, K., SAKAI, F., and NAKAHATA, T. Thermal decomposition of tobacco lignin. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:171-175. 1965. 385 J273
English summary.
- 50500 KUSAMA, M., and others. Smoking quality and chemical composition of Japanese flue-cured tobacco classified by stalk position. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:331-333. 1965. 385 J273
T. Tsugane, T. Kurosawa, and T. Muranaga, joint authors.
English summary.
- 50501 MADAMBA, U. V., and MAGNO, C. L. Legal tobacco curing sheds. Philippine Tobacco Rev. 2(1):16-17. Jan./Mar. 1965. 286.89 P53
- 50502 MURANAGA, T., and KUROSAWA, T. Equilibrium moisture content and moisture absorption and desorption velocity of tobacco leaves. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:283-287. 1965. 385 J273
English summary.
- 50503 MURTY, G. S. Tobacco research in India. Bharat Krishak Samaj. Year Book 1964:391-396. 22 B46
- 50504 NEKRASOV, V. YA., TRUBNIKOV, V. F., and NIKITENKO, YU. R. Economic evaluation of different methods in fermentation of tobacco. (Rus) Tabak 4:48-49. 1965. 69.8 T112
- 50505 OBI, Y., and others. Researches on American and Canadian burley tobacco leaves. 1. Chemical composition, smoking quality and filling ability. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:243-248. Ref. 1965. 385 J273
H. Oe, T. Tsugane, T. Akaki, H. Komorida, N. Gunji, and H. Sakurai, joint authors.
English summary.
- 50506 PATACO, M. How to improve the production of flue-cured tobacco in the North of Mozambique. (Por) (Extr.) Granja[Lisboa] 23(1/2):31-82. Jan./June 1964. 15.5 G76
Includes culture, processing, and grading.
- 50507 PULLMAN, J. O., HOLLENBECK, W. J., and GIBSON, G. W. The measurement of the moisture content of cut tobacco by means of microwave absorption. 2. Tobacco [New York] 161 (27):69-75. Dec. 31, 1965. 286.89 T552
- 50508 RODUTA, F. L. Preliminary studies on the fermentation of cigar-filler leaf tobacco. Philippine Tobacco Rev. 2(2):20-21, 37. Ref. Apr./Oct. 1965. 286.89 P53
- 50509 SAITO, K., TSUZUKI, K., and MIYANOWAKI, F. Studies on the physical properties of tobacco leaf by impact on the comparison of varieties of leaf tobacco by a small experimental apparatus. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:39-46. 1965. 385 J273
English summary.
- 50510 SHIMAMOTO, A., and AOKI, I. Studies on the electric moisture meter. II. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:95-99. 1965. 385 J273
English summary.
For measuring moisture in tobacco.
- 50511 SPENCE, G. B. Maryland leaf growers decide to go it alone. Tobacco [New York] 162(10):13. Mar. 11, 1966. 286.89 T552
- 50512 SUGITA, S., and YOSHIZAWA, J. Studies on the volatilizing of chemical component during drying of strip tobacco. I. On the temperature conditions and the volatilizing of chemical component. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:75-82. Ref. 1965. 385 J273
English summary.
- 50513 TAKAHASHI, K., and others. Studies on storage and aging of leaf tobacco. I. Effects of vacuum dehydration on smoking quality, physical property and chemical composition of tobacco. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:69-73. 1965. 385 J273
A. Yamazaki, M. Otawa, and K. Nishida, joint authors.
- 50514 U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Flue-cured tobacco market review, 1965 crop. Washington, 1966. 55 p., map. (Its TOB-FL-9) 1.9 EC714T
- 50515 VARELA L., G. Tobacco. (Sp) Agr. Trop. 21 (11):730-733. Nov. 1965. 26 Ag8
Industry in Colombia.
- 50516 VITOVETSKII, M. M. Increasing quality of tobacco. (Rus) Tobak 4:18-19. 1965. 69.8 T112
- 50517 WHITE, G. M., CLARK, C. M., and CARD, D. G. Evaluating light sources for grading tobacco. Amer. Soc. Agr. Eng. Trans. ASAE 8 (3):452-452, 456. 1965. 290.9 Am32T
- 50518 WNN, P. N. Compact curing of Maryland-type tobacco. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):596-597. 1965. 290.9 Am32T
- 50519 YAMASHITA, Y., and KOBASHI, Y. Studies on the thermal analysis of tobacco. I. Consideration on measuring conditions in the differential thermal analysis of tobacco leaves. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:161-164. 1965. 385 J273
English summary.
- 50520 YAMAZAKI, M., and NINOMIYA, H. Chemical composition of tobacco in relation to leaf size. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:263-267. 1965. 385 J273
English summary.
- 50521 YAMAZAKI, M., and NINOMIYA, H. Physical properties of leaf tobacco in relation to its stalk position. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:47-50. 1965. 385 J273
English summary.
- 50522 YAMAZAKI, M., TOMIMURO, R., and MITSUHASHI, K. Relations between stalk position of tobacco leaf and contents of nicotine, and tar in its cigarette smoke. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:193-196. 1965. 385 J273
English summary.
- 50523 YAMAZAKI, M., and others. Specific volume of cut leaf and physical properties of cigarettes in relation to stalk position of leaf tobacco. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:119-123. 1965. 385 J273
T. Muranga, T. Tsugane, and Y. Sakae, joint authors.
English summary.
- 50524 YAMAZAKI, M., and GUNJI, N. Studies on the proportion and physical properties of cigarettes. I. Blending proportion of flue-cured and domestic variety of tobaccos. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:113-117. Ref. 1965. 385 J273
English summary.
- 50525 YOSHIZAWA, J., TANAKA, S., and MATSUMOTO, S. Thermal properties of leaf tobacco. IX-X. The thermal properties of Japanese native varieties and their changes during drying process. 2. Result of thermogravimetric analysis. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:83-94. 1965. 385 J273
English summary.
In drying process.
- 50526 ZAGORUIKO, M. G., and others. Drying of tobacco green leaves, preparing them for continuous fermentation. (Rus) Tabak 4:49-51. 1965. 69.8 T112
Yu. P. Kolesnikov, V. F. Trubnikov, and V. V. Shvets, joint authors.

MISCELLANEOUS PRODUCTS

- 50527 ARNOLD, L. K., and GUZMAN, A. The solubility of three fish oils in aqueous ethanol solutions. *Chemurg. Dig.* 23(6):3. Ref. Aug.1965. 381 N213Na
Extraction for fish flour preparation for human food.
- 50528 BOTELHO, A. T. Aspects of canning fish in brine. (Por) *Conserv. Peixe* 20(238):21,32. Jan.1966. 389.8 C7692
- 50529 BOTELHO, A. T. Fish smoking. (Por) *Conserv. Peixe* 20(232):29,32. July 1965. 389.8 C7692
- 50530 BURGESS, G. H. O. Technique of fish smoking and its development. (Por) *Indus. Conserv.* 31(317):309-310. Nov.1965. 389.8 In24
- 50531 BUSH, F. R. Nurserymen and the highway. Ohio. State Univ. Short Course Roadside Develop. 24:60-63. 1965. 288.9 Oh3
- 50532 CHRISTY, F. T., and SCOTT, A. The common wealth in ocean fisheries; some problems of growth and economic allocation. Baltimore, Johns Hopkins Press, 1965. 281 p. HD9450.5.C48
Bibliography, p.253-261.
Includes processing.
- 50533 CROSSLEY, N., and OGUNLE, O. A. Studies of the suitability of Nigerian raw materials for paper making. X. Sudd grass, *Vossia cusoidata* Griff. Nigeria. *Fed. Inst. Indus. Res. Res. Rep.* 32,12 p. Mar.1965. 297.9 Os4
- 50534 DRADON, J. The after-drying of hops at low temperature. (Du) *Int. Tijdschr. Brouwerij Mouterij* 24(6):184-189. 1964/65. 390.8 R32Af
- 50535 GARCIA, M. G. Processing and industry of fish eggs. (Por) *Conserv. Peixe* 20(232):15, 32. July 1965. 389.8 C7692
- 50536 GARG, O. D. Indian Central Arecanut Committee, Kozhikode. Bharat Krishak Samaj, Year Book 1964:589-591. 22 B46
- 50537 ISEBAERT, L. Improved hops; synthesis of methods for improvement, conditioning, and utilization, with a view to obtaining improved hops of the highest quality. (Du) *Int. Tijdschr. Brouwerij Mouterij* 24(6):169-172. 1964/65. 390.8 R32Af
- 50538 LARAMBERGUE, R. DE, SIXDENIER, G., and COHN, E. Hops of the 1964 crop. (Fr) *Bras-serie* 20(223):137-155. May 1965. 390.9 B734
Analyses, organoleptic examinations, and effects of weather.
- 50539 LE BERRE, Y. Fish canned "au naturel." (Por) *Conserv. Peixe* 20(238):15-20. Jan.1966. 389.8 C7692
- 50540 LE BERRE, Y. Fish canned "au naturel." (Por) *Indus. Conserv.* 31(308):36-39. Feb.1965. 389.8 In24
- 50541 MATON, A. A review of modern methods of hops drying. (Du) *Int. Tijdschr. Brouwerij Mouterij* 24(6):174-183. 1964/65. 390.8 R32Af
- 50542 MONTGOMERY, W. A. Northern bluefin—a new tuna potential? *Food Preserv. Quart.* 25(3):51-55. Sept.1965. 389.9 Au7F
Quality of fish for canning.
- 50543 PAWAR, S. S., and MAGAR, N. G. Chemical changes during frozen storage of pomphrets, mackerel, and sardines. *J. Food Sci.* 31(1):87-93. Ref. Jan./Feb.1966. 389.8 F7322
- 50544 RADT, C. History of curare. (Fr) *J. Agr. Trop. Bot. Appl.* 12(4/5):216-220. Apr./May 1965. 26 J822
- 50545 ROMAN, E., and others. Rumanian hops; considerations on the analytic data obtained in the laboratory of "Rahova" brewery. (Rum) *Indus. Aliment.* 16(8):417-419. Aug.1965. 389.8 In26
A. Mihail, N. Turcu, and F. Radulescu, joint authors.
English summary.
- 50546 RONSIVALLI, L. J., and SLAVIN, J. W. Radio-pasteurization of maritime fish products. (Fr) *Rev. Conserv.* 20(9):235-240,242-244. Dec. 1965. 389.8 R326
- 50547 SARGENT, M. J. Chrysanthemum growing in the East Midlands: a survey carried out in 1964. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes. 34:30-34. Autumn 1965. 281.9 N842
Chiefly prices.
- 50548 SAVAGE, Z. Movement of citrus trees from Florida nurseries, July 1, 1928 to June 30, 1965. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-3,32 p. Nov.1965. 281.9 F663
Statistics.
- 50549 SCHALT, W., and PFEIFER, S. Der Absatz von Zierpflanzen [Selling ornamental plants]. *Handbuch Erwerbsgart.* 8,130 p.,map. Ref. 1965. 80 H194
Includes wholesale marketing.
- 50550 SLAVIN, J. A., and MACCALLUM, W. A. North American experience in chilling and freezing fish on board vessels. *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:931-941. Ref. 1963,pub.1965. TP490.I5
Discussion, p.940-941.
- 50551 TANAKA, K., and NISHIMOTO, J. I. Determination of the time required for contact freezing of whalemeat. *Int. Congr. Refrig. Proc.*, 11th Congr., v.1:415-422. 1963,pub.1965. TP490.I5
- 50552 TEIXEIRA, J. M. DE A. New techniques to extend fish preservative periods in the holds of fishing boats. (Fr) *Int. Congr. Refrig. Proc.*, 11th Congr., v.2:1219-1221. 1963,pub.1965. TP490.I5
English summary.
Refrigerating system.
- 50553 WHEELER, W. H. Daffodil bulb trade. *Amer. Hort. Mag.* 45(1):185-194. Jan.1966. 80 N216
Domestic and foreign.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 50554 AHMADI, S. S. Afghanistan: a country in continuous development. (It) *Mercanzia* 20(5): 380-386. May 1965. 287 B635
Includes the agricultural economy.
- 50555 ANDERS, H. Problems in the use of economic lever of economic accounting in agriculture. (Ge) *Z. Agrarikon* 10(8):289-292. 1965. 281.8 Z3
- 50556 APACIBLE, A. R. Science and technology in the agro-industrial development of the Philippines. *Sugar News* [Manila] 41(12):742,744,746, 748. Dec.1965. 65.8 Su36
Agribusiness.
- 50557 ARENTHALS, M. W. VAN. North Beverland, past, present, and future! (Du) *Nat. Inst. Brouwerst, Mout Bier—T.N.O. Jaarb.* 30:21-26. 1966. 390.9 N21
Economy.
- 50558 ARNOULD, J. P. Economic studies carried out with a view to research orientation. (Fr) *Agron. Trop.* [Paris] 20(10):1054-1056. Oct. 1965. 26 Ag86
- 50559 BAKER, C. B. Evaluation of economic models used in regional aggregate studies. N. C. State Univ. Agr. Policy Inst. Ser. 17:71-81. Apr.1965. 281.9 N8122
- 50560 BANCO CENTRAL DE VENEZUELA. Informe economico correspondiente al ano 1964 [Economic report for the year 1964]. Caracas, 1965. 603 p. 284.9 B2287M
Includes a chapter on agriculture.
- 50561 BERTIN-ROULLEAU, J. Economic policies, agriculture, common agricultural market, and food industry. (Fr) *Rev. Conserv.* 20(9):37-39. Dec.1965. 389.8 R326
European Economic Community and France.
- 50562 BODDEZ, G. Economic situation and outlook for Belgian agriculture. (Fr) *Ann. Gembloux* 71(1):1-16. First Q.1965. 13 G28
- 50563 CAGLE, A. J. Farm-city progress. Wash. State Univ. Ext. Circ. 350,6 p.-folder. Nov.1965. 275.29 W27C
Agriculture in the economy.
- 50564 CAPEL, R. E. Some conjectures on the future role of linear programming in the analysis of macro-micro relationships. N. C. State Univ. Agr. Policy Inst. Ser. 17:179. Apr.1965. 281.9 N8122
In regional analysis.
- 50565 COYNER, M. S., and HANNAN, J. L. Notes on the agricultural economies of dependent territories in the Western Hemisphere and Puerto Rico. U. S. D. A. Econ. Res. Serv. ERS- Foreign-145,68 p.,map. Dec.1965. A281.9 Ag83
- 50566 CULVER, D. W., BROWN, E. E., and ROSE, B. B. Agriculture and agribusiness in the economic development of the Coastal Plain Commission area of Georgia. Ga. Agr. Exp. Sta. Bull. (n.s.)149,66 p.,map. Ref. Nov.1965. 100 G293B
Coastal Plain Area Planning and Development Commission, cooperating.
- 50567 CYPRUS. STATISTICS AND RESEARCH DEPT. Economic report, 1964. Nicosia, 1965. 61 p. 256.02 C99
Includes agriculture.
- 50568 DEACON, R. E., and KROFTA, J. A. Economic progress of rural nonfarm and part-time farm families. Ohio. Agr. Res. Develop. Center. Res. Bull. 976,30 p. Dec.1965. 100 Oh3S
- 50569 FLINN, M. W. Agricultural productivity and economic growth in England, 1700-1760: a comment. *J. Econ. Hist.* 26(1):93-98. Mar.1966. 277.8 J822
- 50570 FUNCTIONING of the components of the new economic system of planning and managing the economy-East Germany. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 421,191 p. Jan.5,1965. (JPRS 28,106) 173 J663Tre
Includes agriculture.
Translation of brochure published by Dietz Verlag, Berlin, 1964, p.3-86.
- 50571 GORMEZ MANZANARES, E. Analysis of data in research studies in agricultural economics. (Sp) *Rev. Estud. Agro-Soc.* 14(50):81-107. Jan./Mar.1965. 281.8 R327
English summary.
- 50572 GUGUSHVILI, P. V. Ekonomicheskoe razvitie Gruzii i Zakaukaz'ya v XIX-XX vv [Economic development of Georgia and Transcaucasia in XIX-XX centuries]. T'ias, 1965. 664 p. (Akademiya Nauk Gruzinskoi SSR. Institut Ekonomiki Monografii, v.4, No.1) 280.179 G932E
Includes agriculture.
- 50573 GUPTA, H. L. D. Agriculture as a barrier to the growth of Indian economy. Warsaw. Center Res. Underdevelop. Econ. Res. Pap. 2:141-182. Ref. 1965. 280.9 W263
- 50574 HAYES, F. Office of Economic Opportunity program. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.86-87. 1965. A280.2 F22
Includes role of cooperatives under Economic Opportunity Act of 1964.
- 50575 HENARES, H. M. The philosophy of economic nationalism. *Sugar News* [Manila] 41(12):772-775. Dec.1965. 65.8 Su36
Includes outlook.
- 50576 HINES, F. K., and TWEETEN, L. G. The changing economic structure of Oklahoma agriculture. Okla. Agr. Exp. Sta. Bull. B-644,4 p., map. Feb.1966. 100 Ok4
- 50577 INAGE, M. Economic growth and agriculture—study of a two-sector growth model. *Rural Econ. Probl.* 2(2):22-45. Ref. Nov.1965. 281.28 R8822
In Japan.
- 50578 IONESCU, C. Comment on the fulfillment of the economic plan, 1960-1960. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 556:15-19. Mar.15,1966. (JPRS 34,571; TT 66-31011; CSO 2700-D) 173 J663Tre
Includes farm collectivization.
Translation from *Viata Economica* 7:1,4. Feb.18,1966.
- 50579 ISHIKAWA, S. Long-term projections of Mainland China's economy: 1957-1982. UN. Econ. Comm. Asia Far East. Econ. Bull. Asia Far East 16(2):10-56. Ref. Sept.1965. 280.9 Un3653
Agriculture included.
- 50580 JASPART, L. Agricultural economy in the Province of Luxembourg. (Fr) *Ann. Gembloux* 71(1):17-27. First Q.1965. 13 G28
- 50581 JONNART, R. Economy of the Herve Country. (Fr) *Ann. Gembloux* 71(1):85-103. First.Q.1965. 13 G28
- 50582 KARAMONOS, D. G. Cyprus for the year 1966. (Gre) *Biomech. Epitheoresis* 375:25-26. Jan. 1966. 442.8 B4292
Economic conditions and agriculture.
- 50583 KAZUSHI, O. Agriculture and the turning-point in economic growth. *Developing Econ.* 3 (4):471-486. Dec.1965. 280.8 F493
Japan.
- 50584 KHAN, A. G. Planning and regional development in Pakistan. *Com. Indus.* 9(3):19-23. May 1965. 286.8 C734
Economic development of East Pakistan.
- 50585 KOREA (REPUBLIC) ECONOMIC PLANNING BOARD. Economic survey, 1965. Seoul, 1965. 143 p. 280.9 K845E
Includes agriculture and forestry.

- 50586 LANGVATN, H. Modern trends in agricultural economics. (No) Tidsskr. Norske Landbruk 72(12):380-386. 1965. 11 T433
- 50587 LOUWES, S. L. Economic policy and statistics. *Neth. J. Agr. Sci.* 14(1):58-69. Feb.1966. 12 N3892
In the European Economic Community.
- 50588 LUAN, C. T., and BAKER, C. B. Economic planning in South Vietnam. *Ill. Agr. Econ.* 6 (1):1-10, map. Jan.1966. 281.9 IL6I
Includes the agricultural economy.
- 50589 MCMURTRY, G., and LIVERMORE, D. U. General economy; situation and outlook. *Va. Polytech. Inst. Ext. Va. Farm Econ.* 195:15-17. Jan./Feb.1966. 275.29 V813
- 50590 MILLER, J. L. Political responses to the South's changing economy. *N. C. State Univ. Agr. Policy Inst. Ser.* 15:59-67. May 1965. 281.9 N8122
- 50591 MURPHREY, C. J. Panhandle Economic Program. *Tex. Agr. Progr.* 12(1):9-10. Winter 1966. 100 T31Te
- 50592 NORWAY. STATISTISK SENTRALBYRA. Økonomisk utsyn over året 1965. Economic survey, 1965. Oslo, 1966. 151 p. 257.2 St2So
Table of contents and summary also in English.
- 50593 OLDOLFREDI, A. Saarland agriculture in the economic area between Germany and France. (Ge) *Landarbeit* 16(10):84-86. Oct.1965. 18 L2355
- 50594 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Agriculture and economic growth, a report by a group of experts. Paris, 1965. 121 p. HD1917.O7
By M. Bandine, A. Hanau, S. Kuznets, A. Lindbeck, L. Malassis, and B. Reddawan.
- 50595 OWEN, W. F. The double developmental squeeze on agriculture. *Amer. Econ. Rev.* 56 (1):43-70. Ref. Mar.1966. 280.8 Am32
Incidence of investments.
- 50596 PALERM, A. National and regional planning in France. (Sp) *Planificacion* 2(5):163-180. Nov.1965. 280.8 P699
- 50597 PAPINO, F. L. Italian economic mission to Israel; general impressions. (It) *Rass. Econ. Prov. Alessandria* 28(6):30-32. Nov./Dec. 1965. 287 AL24
Includes agriculture.
- 50598 PARSONS, K. H. The Transformation of Traditional Agriculture: a review comment. *Land Econ.* 42(1):112-117. Feb.1966. 282.8 J82
By T. W. Schultz.
- 50599 PATTON, J. G. Freedom and security of the land. *Bharat Krishak Samaj. Year Book* 1964: 1-8. 22 B46
Economy and cooperative organizations in developing areas, including reference to International Federation of Agricultural Producers.
- 50600 PLAXICO, J. S. Possible further directions. *N. C. State Univ. Agr. Policy Inst. Ser.* 17:83-92. Apr.1965. 281.9 N8122
Research in agricultural economics.
- 50601 RIGOT, J. Agricultural economy of Hainaut. (Fr) *Ann. Gembloux* 71(1):55-83, map. First Q.1965. 13 G28
- 50602 ROGERS, C. N. Programs to help people. *Town Country Church* 182:10-11, 15. May/June 1965. 281.28 T66
- 50603 SCHALLER, H. G. Changes in the southern economy. *N. C. State Univ. Agr. Policy Inst. Ser.* 15:1-14. Ref. May 1965. 281.9 N8122
- 50604 SCHLEITZER, H. Effects of an improved agrarian structure. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(7):246-250. Feb.17,1966. 18 N39
Consolidation of holdings, road construction, outsettlement, and remodeling of old farms.
- 50605 SMITH, B. J. Should the AFEA institute standards for advanced degrees in agricultural economics? *J. Farm Econ.* 48(1):129-131. Feb.1966. 280.8 J822
- 50606 SPRINKLE, M., and HUDDLESTON, B. Basic data on the economy of the Democratic Republic of the Congo (Leopoldville). *U. S. Bur. Int. Com. Overseas Bus. Rep. OBR* 65-50, 11 p., map. July 1965. 157.54 Ov2
- 50607 SYLOS-LABINI, P. Reflections on the process of growth of southern Italy (Mezzogiorno). *Warsaw. Center Res. Underdevelop. Econ. Res. Pap.* 2:9-36. Ref. 1965. 280.9 W263
- 50608 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. Economic survey of Europe in 1962. Part 2, Economic planning in Europe. Geneva, 1965. various paging. 280.9 Un3657
Includes agriculture.
- 50609 U. S. PRESIDENT (L. B. JOHNSON). Economic report of the President transmitted to the Congress, January 1966, together with the Annual report of the Council of Economic Advisors. Washington, 1966. 306 p. 149 Ec7
Chapter V, Progress and problems in agriculture, p.131-139.
- 50610 V POMOSHCH izuchayushchim ekonomiku sel'skogo khozyaistva [Help in studying farm economics]. Moskva, Kolos, 1964. 375 p. Ref. HD1992.V28
- 50611 VU, A., and HAI, V. Haiphong industry serves agriculture. *U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ.* 218:1-8. Dec.21, 1965. (JPRS 33,434; TT 65-34008; CSO 3520-N) 173 J663Trn
Translation from Nhan Dan, Nov.6,1965:3.
- 50612 WERLE, E. The position of agriculture in the highly industrialized economy. (Ge) *Bayer. Landwirt. Jahrbuch* 42(spec.no.2):12-29. 1965. 18 L24
- 50613 WILLIAMSON, R. B. The Lower Rio Grande Valley; an economic profile. *Tex. Bus. Rev.* 40(3):72-79, map. Mar.1966. 280.8 T312
Includes agriculture.
- 50614 WOERMANN, E. Review on the development of agricultural economics from its beginnings to Friedrich Aereboe. (Ge) In Hanau, S., ed. *Friedrich Aereboe: Würdigung und Auswahl aus Seinen Werken*, p.211-239. 1965. 281 H193

AGRICULTURAL FINANCE

- 50615 AIKAT, J. K., and DAS, M. S. Tables with notes on household receipts and disbursements. *India. Secretar. Nat. Sample Surv.* 88, 94 p. 1964. 269.5 Ec73
Fourteenth round: July 1958-June 1959.
Includes figures for rural areas.
- 50616 BASOV, A. Steps needed to change Sovnarkhozes to full autonomous financing. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 107: 1-17. Dec.6,1965. (JPRS 33,171; TT 65-33747; CSO 1840-N) 173 J663Tso
Translation from *Ekonomicheskaya Gazeta* 41:26-28. Oct.1965.
- 50617 CARRER, P. Ascertaining of indemnity for expropriation of farms on the part of a reform board. (It) *Genio Rurale* 28(11):953-960. Nov.1965. 281.8 R522
- 50618 COX, R. W. Capital needs for small grain in North Dakota. *N. Dak. Farm Res.* 24(2):8-12, map. Nov./Dec.1965. 100 N813B
Costs and returns on grain farms.
- 50619 DEMBINSKII, N. V. Comparative method in economic analysis. (Rus) *Uchet Finansy Kol'khov. Sovkhoz.* 4:33-36. Apr.1965. 30.69 Uc4
Farm finance.
- 50620 GADO, O. The amortization fund of the farmers' cooperatives. *U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus.* 422:1-8. Mar.7,1965. (JPRS 34,445; TT 66-30885; CSO 2500-S) 173 J663Ste
Translation from *Magyar Mezogazdasag* 4:3-5. Jan.26,1966.

- 50621 HONGKONG, COMMERCE AND INDUSTRY DEPT. STATISTICS BR. The household expenditure survey, 1963/64 and the consumer price index. Hong Kong, Young, 1965. 157 p. HD7051.H6H62
- 50622 IGNAR, S. Agricultural investment problems on the threshold of the new 5-Year Plan. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:16-33. May 21, 1965. (JPRS 30,195; CSO 2600-S) 173 J663Ste
Translation from Wies Wspolczesna 4:9-22. Apr.1965.
- 50623 PETKOV, A., and SMIRNOVA, V. The indivisible fund is the basis for expanding reproduction in farm workers' cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:1-14. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste
Financial management on the collective farm in Bulgaria.
Translation from Panovo Stopanstvo i Statistika 1:24-32. Jan.1965.
- 50624 ROMANCHENKO, G. Problems of accumulation and consumption in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 110:1-15. Jan.24,1966. (JPRS 33,861; TT 66-30304; CSO 1840-D PE-148) 173 J663Tso
Income of farmers.
Translation from Voprosy Ekonomiki 10:86-97. Oct.1965.
- 50625 RUSOV, V. KH. Uniformity of economic data. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:37-38. Apr.1965. 30.69 Uc4
- 50626 SACHSE, R., and AHNE, H. Content and method of estimating the effectiveness of barn construction. (Ge) Deut. Landwirt. 17(2):76-79. Feb.1966. 18 D4822
Returns on investments in dairy barns.
- 50627 STEPANCHENKO, L. I. Methods for effective use of capital investments. (Rus) Sadovodstvo 2:12-13. Feb.1966. 80 Sa13
On fruit farms.
- 50628 STEWART, I. Capital in Scottish agriculture. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:346-356. 1965. 281.9 Sco3S
- 50629 STROBEL, H. New regulation for indemnification of diseased livestock. (Ge) Fleischermeister 19(4):85. Apr.1965. 50.8 F622
Swine.
- 50630 STRYAPIN, N. I. Finance and economy of the collective farm. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 3:22-24. Mar.1965. 30.69 Uc4
- 50631 TIMOSHENKO, V. F. Economic analysis of the intensified production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:47-50. May 1965. 30.69 Uc4
Farm finance.
- 50632 VALLIER, G. Intellectual, incorporeal, and immaterial investments. (Fr) Inform. Doc. Agr. 12:16-17,19-21. June 15,1965. 14 In32
- 50633 VREJBA, S. The economic effectiveness of agricultural cooperative investments. (Rum) Probl. Agr. [Bucharest] 17(8):4-13. Aug.1965. 21 R862
- 50634 YEMEL'YANOV, A., and MARINKO, I. Methodological problems of the transfer of sovkhoses to full self-support. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 105:1-19. Nov.29,1965. (JPRS 33,044; TT 65-33621) 173 J663Tso
Finance management of state farms.
Translation from Voprosy Ekonomiki 9:23-34. Sept.1965.
- 50635 AGRICULTURAL BANK OF TASMANIA. Annual report--the Board of Management, the Closer Settlement Board, financial year 1964-65. Hobart, 1965. 35 p. 284.29 Ag8
- 50636 AGRICULTURAL CREDITS AND RURAL DEVELOPMENT BANK OF IRAN. Activity in 1343 (1964-65). n.p., 1965. 58 p. A284.29 Ag89d
Text also in Iranian.
- 50637 BERTSCH, H. Farmers Home Administration cooperative financing aids 350,000 rural people. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.30-33. 1965. A280.2 F22
- 50638 DANIEL, L. B. Agricultural financing in the United States. (Por) Arco-Iris 14(94):1-3. Dec.1965. 280.28 Ar2
- 50639 DELL, R. A. How cooperatives use credit resources. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.33-36. 1965. A280.2 F22
- 50640 DENMARK. BOLIGMINISTERIET. Beretning kredit- og hypotekforeningernes virksomhed [Report on the activities of the credit and mortgage associations], 1963-64. Kobenhavn, 1965. 94 p. 284.29 D41K
- 50641 DZAGUROV, G. B. Improving credits for collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 3:43-44. Mar.1965. 30.69 Uc4
- 50642 ENSMINGER, G. A. Farm loans in years ahead. Feed Bag 42(2):25,39. Feb.1966. 389.78 F32
- 50643 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report on the development Centre on Agricultural Credit for Africa. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1595,62 p. 1963. 281.9 F733E
- 50644 GAFURCV, KH. Many Uzbek enterprises do not make good use of state bank credits. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 250:1-4. Dec.29,1965. (JPRS 33,523; TT 65-34097; CSO 1840-N) 173 J663Sove
Policies.
Translation from Pravda Vostoka, Nov.3, 1965.
- 50645 GOLOVCHENKO, N. Direct bank crediting for kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 112:5-7. Feb.3,1966. (JPRS 33,982; TT 66-30425; CSO 1840-N) 173 J663Tso
Translation from Sovetskaya Moldaviya, Dec.2,1965:2.
- 50646 HAGENGUTH, H. Sensible use of credit in farm financing. (Ge) In Kaufmann, W., ed. Leistungsfähige und vereinfachte Innenwirtschaft, p.62-72. 1964. 281.175 K16
- 50647 HANSEN. What does consolidation teach us? (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 133:11-16. Oct.15,1965. 281.8 B462
Credit.
- 50648 JARRETT, F. G., and DILLON, J. L. Some aspects of the rural credit market. Australian J. Agr. Econ. 9(2):152-167. Dec.1965. 281.8 Au74
- 50649 KESTER, H. I. Population--a vital key in marketing installment credit. Mountain States Banker 51(3):8-9,30,32-36. Mar.1966. 284.8 M86
- 50650 LUZ, F. Message to rural banks of Rio Grande do Sul. (Por) Arco-Iris 14(94):5. Dec.1965. 280.28 Ar2
Cooperative.
- 50651 NONGOP HYOPTONG CHOHP CHUNGANG HOE. Rural credit survey in Korea. Seoul, 1965. 492 p. HG2051.K8N6
- 50652 OMAHA BANK FOR COOPERATIVES. Annual report; report to board of directors, June 30, 1965. Omaha, 1965. 19 p. 284.29 Om1
- 50653 PACKARD, J. Should you buy it on time? Wash. State Univ. Ext. Ext. Circ. 351,8 p. Mar. 1966. 275.29 W27C

Credit

- 50654 PALIYSKI, I. The new functions of the State Savings Bank. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 552:1-10. Mar.1,1966. (JPRS 34,351: TT 66-30792: CSO 2200-N) 173 J663Tre Includes loans to agriculture. Translation from Finansi i Kredit 10:3-12. Dec.1965.
- 50655 PIZENGOL'TS, M. Z. Improving the system of short-term credit financing of collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:25-29. Apr.1965. 30.69 Uc4
- 50656 POLK, B. H. Farmers Home Administration program. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.87-90. 1965. A280.2 F22 Credit program for cooperatives under Economic Opportunity Act of 1964.
- 50657 ROWE, J. W. Living with the credit squeeze. New Zeal. Inst. Econ. Res. Discuss. Pap. 9,8 p. 1965. 280.9 N489
- 50658 RURAL AND INDUSTRIES BANK OF WESTERN AUSTRALIA. 19th annual report and financial statement for the twelve months ended 31st March, 1965. Perth, 1965. 24 p. 284.29 R88
- 50659 SHIPE, J. O. Rural credit unions. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.38-41. 1965. A280.2 F22
- 50660 SPALL, W. H. Report to the Government of the United Republic of Tanganyika and Zanzibar on establishing a land bank in Zanzibar. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1892,5 p. 1964. 281.9 F733E
- 50661 STOUT, E. Specialized management geared for specialized credit. Agr. Banking Financ. 8(2):12-14,16. Mar./Apr.1965. 284.8 B22
- 50662 SUGAR INDUSTRY AGRICULTURAL BANK. Report and accounts, 30th June, 1965. Bridgetown, Barbados, 1965. 5 p. 284.9 B23
- 50663 TAKEDA, T. A case study on rural credit association before the Industrial Association Law. (Ja) Quart. J. Agr. Econ. 20(1):199-217. Jan. 1966. 22.5 N687
- 50664 TIMM, T. R. Rural credit in the next decade. II. Commerical banking's role. Banking 58(9): 78-79. Mar.1966. 284.8 Am3
- 50665 TOOTELL, R. B. Meeting the credit needs of cooperatives; role of the farm credit system. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.24-30. 1965. A280.2 F22
- 50666 U. S. FARM CREDIT ADMIN. Annual report, loans and discounts of farm credit banks and associations, December 31, 1965. Washington, 1965. 8 p.,map. 166.2 M76
- 50667 U. S. FARM CREDIT ADMIN. Federal land bank system, how it operates. U. S. Farm Credit Admin. Circ. 35,rev.,29 p.,map. 1965. 166.2 C49
- 50668 U. S. FARMERS HOME ADMIN. Farmers Home Administration insured loans, information for lenders. U. S. D. A. PA-556,11 p. Dec.1965. 1 Ag84Pro
- 50669 ZOLBERGS, L. P. Increased credit financing of collective farms by state bank. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:30-31. Apr.1965. 30.69 Uc4
- 50670 HACKMAN, P. The amount and structure of off-farm cash receipts on Finnish bookkeeping farms during fiscal years 1950/51-1960/61. (Sw) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):77-83. 1965. 20 Su7M English summary.
- 50671 INDIA, DEPT. OF STATISTICS. All-India Rural Debt and Investment Survey, 1961-62: current resources of rural households. Reserve Bank India. Bull. 19(12):1859-1884. Dec.1965. 284.9 R31B Detailed statistics on receipts.
- 50672 INGERSENT, K. A. Survey of county council smallholdings in Nottinghamshire, Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 34:20-29. Autumn 1965. 281.9 N842 Farm income and expenditures.
- 50673 ISTVAN, L. Differentiating effect of soil quality and relief in the production cooperative of Borsod. (Hu) Gazdalkodas 10(1):35-54. Feb. 1966. 281.8 G25 English summary. Income and differential rent.
- 50674 KHMELEV, N. N. The role of the index of gross income in the economy of collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:21-22. May 1965. 30.69 Uc4
- 50675 PETERSON, W. C. Personal income in Nebraska and Nebraska counties: 1950-1962. Nebr. Univ. Coll. Bus. Admin. Bus. Res. Bull. 71,82 p.,map. June 1965. 280.9 N27 Farm income included.
- 50676 STEWART, I. The financial results of Scottish farming in 1963/64. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:284-292. 1965. 281.9 Sco3S Productivity and income.
- 50677 WYKSTRA, R. A. Nebraska economic indicators; a study of the timing of cyclical fluctuations. Nebr. Univ. Coll. Bus. Admin. Bus. Res. Bull. 70,107 p. Apr.1965. 280.9 N27 Includes data on cash farm marketings.
- Insurance
- 50678 DESANA, P. Problems of protecting crops from natural and atmospheric calamities. (It) Rass. Econ. Prov. Alessandria 28(4):14-18. July/Aug.1965. 287 AL24 Insurance and hail control.
- 50679 GRZYBOWSKI, G. Under what conditions can the farmer insure himself against labor accidents? (Fr) Agr. Prat 130(1):32. Jan.1966. 14 J82
- 50680 MAURITIUS, CYCLONE AND DROUGHT INSURANCE BOARD. Report for the period June 1, 1963, to May 31, 1964. Port Louis, 1964. 21 p. 284.69 M44
- 50681 MORRISON, J. H. Federal Crop Insurance and cooperative credit. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.36-38. 1965. A280.2 F22
- 50682 NATIONAL ASSOCIATION OF MUTUAL INSURANCE CO. Proceedings and papers, 69th annual convention October 3-6, 1965, Chicago, Illinois. n.p., 1965. 198 p. 284.69 N19
- 50683 PUERTO RICO. DEPT. DE AGRICULTURA. Informe anual, seguro del cafe de Puerto Rico [Annual report, coffee insurance of Puerto Rico], 1962, 1963. Santurce, 1964. 14 p. 284.69 P962
- 50684 REINBACHER, H. Are small children legally protected by accident insurance? (Ge) Landarb.-Arch. 20(11/12):232-234. Nov./Dec. 1965. 283.8 L23
- 50685 SCHWARZWALLER, W. C. Antiquated age limits. (Ge) Diplomlandwirt 15(5):116,118, 120. May 1965. 18 D62 For pensions.
- 50686 SHROER, F. Rating of farm property updated with new method. Mutual Ins. Bull. 53(3):6-8, 27. Mar.1966. 284.68 M983
- 50687 UNION DES CAISSES CENTRALES DE LA MUTUALITE AGRICOLE. Les prestations familiales en agriculture: statistiques 1964 [Family allowances in agriculture: statistics 1964]. Paris, 1965. 67 p.,map. 284.69 Un3P

- 50688 YOUNG, L. You and your life insurance. Wis. Univ. Ext. Spec. Circ. 108,8 p. Dec.1965. 275.29 W75S

Taxation

- 50689 BEHNKE, H. J. Must farmers again estimate the turnover tax? (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):321-322. Mar.3,1966. 18 N39 Under the E.E.C.
- 50690 BUSCH, W. Thoughts on taxation theory. (Ge) In Hanau, S., ed. Friedrich Aereboe: Würdigung und Auswahl aus Seinen Werken, p.84-110. Ref. 1965. 281 H193
- 50691 CAMPBELL, J. R. What is depreciation? A cost in farming versus a deduction for income tax. La. Rural Econ. 28(1):5-10. Feb. 1966. 281.8 L93
- 50692 COOLIDGE, J. H., and others. Income tax management for farmers. Auburn Univ. Ext. Circ. S-6,12 p. Sept.1965. 275.29 AL14Cs A. W. Anderson, R. Schwart, R. Krofta, and F. Olson, joint authors. North Central States.
- 50693 GALAMINI, L. Apropos of the new Green Plan; instead of aid provisions, it is necessary to reduce taxes, contributions, and other burdens. (It) Rass. Agr. Ital. 21(1):12-13. Jan.1966. 281.8 R18
- 50694 MONTANER ESTEVE, J. Fiscal reform and the countryside. (Sp) Cult. Mod. 48(5):181-182. May 1965. 15 C89
- 50695 OL'SHEVSKAYA, V. P. New kolkhoz tax law for 1966. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 252:44-49. Jan.10,1966. (JPRS 33,644; TT 66-30098; CSO 1840-N) 173 J663Sove Farmers income tax. Translation from Uchet i Finansy 11:54-57. Nov.1965.
- 50696 PASSAMONTI, G. The problems of taxation for the poultry farmer. (It) Avicoltura 34(10):107-115. Oct.1965. 47.8 R523 French summary, p.68.
- 50697 PIMENKOV, V. G. A new procedure for income tax collection from kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 252:50-51. Jan.10,1966. (JPRS 33,654; TT 66-30098; CSO 1840-N) 173 J663Sove Translation from Uchet i Finansy 11:57. 1965.
- 50698 PLOUVIER, Y. Agriculture and added value tax. (Fr) Nouvelles Marches Agr. 104:21-27. Oct.15,1965. 286.8 N85
- 50699 VOGEL, G. Demarcation and limits of animal stocks in the framework of agricultural assets. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 133:3-10. Oct.15,1965. 281.8 B462 For taxation.
- 50700 WHALEN, C. E. Investment credits, how they can mean savings for ranchers. U. S. Fur Rancher 45(2):10,23. Mar.1966. 412.629 412.629 Am3M With regard to income tax credit for equipment trade ins.

AGRICULTURAL LABOR AND WAGES

- 50703 ANDREYCHENKO, P. T. Activities of the Labor Normalization Society at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:11-12. Aug.23,1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J663Tsi Translation from Trud, July 21,1965:2.
- 50704 ANGERER, H. Labor management hints on the application of field irrigation. (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):323-325. Mar.3,1966. 18 N39
- 50705 AVRAMOV, T. Some problems in the professional qualification structure of manpower in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:15-25. May 3,1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste Translation from Planovo Stopanstvo i Statistika 1:33-41. Jan.1965.
- 50706 BABA, A., and TSUNASHIMA, F. Responses of farm households to the development of localized urban industry. Tohoku Univ. Inst. Agr. Res. Bull. 16(3/4):185-210. Mar.1965. 107.6 T577 English summary. Industry's competition with agriculture for labor in Japan.
- 50707 BARTOLELLI, M. Scientific organization in agriculture. (It) Genio Rurale 28(11):905-909. Nov.1965. 281.8 R522 Work management and program of the CNOSA [National Organization for the organization of Scientific Research in Agriculture, Centro Nazionale per l'Organizzazione Scientifica in Agricoltura].
- 50708 BAZYLEVA, V. Pay incentives to increase productivity. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:15-19. Aug.18,1965. (JPRS 31,603; TT 65-32098; CSO 1840-N) Labor in agriculture. Translation from Agitator 14:40-43. July 1965.
- 50709 BHATTACHARYA, D. Trend of wages in India (1873-1900). Gokhale Inst. Polit. Econ. J. 7(3): 202-212. Sept.1965. 280.9 G56A Includes agricultural laborers.
- 50710 BLOHM, G. Labor input and labor income on various types of farm. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.2):30-45. 1965. 18 L24 Includes productive capacity and costs.
- 50711 BLUE, J. T. Training the hard-core unemployed. N. C. State Univ. Agr. Policy Inst. Ser. 15:127-148. May 1965. 281.9 N8122
- 50712 BOHM, H. Planning of the succession of professional workers. (Ge) Z. Agrarikon 10(8): 315-319. 1965. 281.8 Z3 Future labor requirements and education.
- 50713 COHEN, I. Farm labor costs and food prices 1964-65. Employment Serv. Rev. 3(3):58-62. Mar.1966. 158.3 Em72
- 50714 CONFERENCE ON MANPOWER REQUIREMENTS AND HUMAN RESOURCE ADJUSTMENT, CHARLOTTE, 1964. Papers. N. C. State Univ. Agr. Policy Inst. Ser. 15,164 p. Ref. May 1965. 281.9 N8122
- 50715 CRONEMEYER, C. S. Foreign worker employment declines sharply in 1965. Employment Serv. Rev. 3(3):55-57. Mar.1966. 158.3 Em72 In agriculture.
- 50716 CUMMINGS, B. Mobility in agriculture. Employment Serv. Rev. 3(3):67-68. Mar.1966. 158.3 Em72 For placement.
- 50717 DEUTSCHER LANDARBEITSTAG, 5, KARLSRUHE, 1965. [Summaries of proceedings of the German Agricultural Workers Day] (Ge) Landarbeit 16(7):57-60. July 1965. 18 L2355
- 50718 DUNN, J. M. Scottish farm workers' hours and earnings, 1963/64. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:330-333. 1965. 281.9 Sco3S

- 50719 FRIEDLANDER, S. L. Labor migration and economic growth; a case study of Puerto Rico. Cambridge, Mass., Mass. Inst. Technol., 1965. 181 p. (M.I.T. Monographs in Economics, v.3) HD5744.A6F7
Bibliography, p.173-178.
- 50720 GAMPE, W. The economic lever system for development of personal material interest on type III LPG. (Ge) Z. Agrarikon 10(8):292-297. 1965. 281.8 Z3
- 50721 GREEN, G. H. Farm labour: wages revisions, earnings and hours. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 34: 44-48. Autumn 1965. 281.9 N842
- 50722 GUSMANOV, U. G. Improving wages for livestock farmers. (Rus) Zhivotnovodstvo 1:31-34. Jan.1966. 49 Z6
- 50723 HANSEN, S. R. Can milking groups be a success in Denmark? (Da) Nord. Mejeri-Tidsskr. 31(11/12):199-202. 1965. 44.8 N752
Labor; includes equipment.
- 50724 HARVEST labor 1965 and in the future—panel. Va. Fruit 54(2):57-66. Feb.1966. 81 V81B
Panel discussion; moderator: C. S. Toan; panel members: G. S. Boswell, J. M. Crum-packer, P. H. Girling, and L. K. Rea.
- 50725 HULIN, M. Wages in agriculture in April 1965. (Fr) France. Inst. Nat. Statis. Etudes Econ. Studes Conjoncture 21(2):3-16. Feb. 1966. 280.8 F84
- 50726 KHURI, S. Problems of the Arab working women. U. S. Joint Publ. Res. Serv. Transl. Middle East 198:22-25. Mar.8,1966. (JPRS 34,452; TT 66-30892) 173 J663Trm
Includes farm labor; in Israel.
Translation from Zo Haderekh, Feb.3, [1966] p.2,4.
- 50727 KONSTANTINOS, N. There is a need for a national policy against the large wave of labor immigration. (Gre) Athens. Emporikon Biomechanikon Epimeleterion. Delt. 41(1):15-16. Jan.1966. 286.9 At4
Includes farm labor.
- 50728 KOOYMAN, P. Is the concept labour productivity usable in horticultural advisory work? (Du) Neth. Dir. Tuinbouw. Mededel. 28(5):268-269. May 1965. 86 N384
English summary, p.290.
- 50729 KORVEN, H. C. Time-and-motion study of undertree and overtree sprinkler-irrigation systems. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):502-504,507. 1965. 290.9 Am32T
- 50730 KRUGER, H. Productive and simplified farm mangement through labor management measures. (Ge) In Kaufmann, W., ed. Leistungsfähige und vereinfachte Innenwirtschaft, p.7-18. 1964. 281.175 K16
- 50731 KULPE, E. "Rationed feeding at the storage site"—a result of management efforts in feeding operations in loafing barns. (Ge) Landarbeit 17(2):9-13. Ref. Feb.1966. 18 L2355
Labor time requirements and costs.
- 50732 LADUE, E. Publications on free-stall-barn, herringbone-parlor, high-silage-feeding dairy chore systems; comparison and analysis. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 188,12 p. Jan.1966. 281.9 C81A
Costs.
- 50733 LADUE, E. Publications on free-stall-barn, herringbone-parlor, high-silage-feeding dairy chore systems; financial considerations. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 189,23 p. 1966. 281.9 C81A
- 50734 LECLAIR, M. J. Bibliography on labor in Africa, 1960-64. U. S. Bur. Labor Statist. Bull. 1473,121 p. 1965. 158.6 B87
- 50735 LIEBHAFSKY, E. E. Human resource developments and problems—what's happening in the South? N. C. State Univ. Agr. Policy Inst. Ser. 15:33-45. May 1965. 281.9 N8122
Negro participation in the labor market.
- 50736 LOON, H. L. VAN. Time standards. (Du) Boskoop. Ver. Proefsta. Boomkwekerij. Jaarb. 1964:143-144. 1965. 86 B65
For nurseries.
- 50737 MANGUM, G. L. The manpower revolution—its policy consequences. N. C. State Univ. Agr. Policy Inst. Ser. 15:15-26. May 1965. 281.9 N8122
Comment by J. M. Kreps, p.27-32.
- 50738 MASHENKOV, B. F. Ispol'zovanie trudovyz resursov sel'skoi mestnosti [Use of local labor resources on farms]. Moskva, Ekonomika, 1965. 165 p. HD1992.M3
Collective and state farms.
- 50739 MAYBERRY, B. D. The Tuskegee MDTA project. N. C. State Univ. Agr. Policy Inst. Ser. 15:149-152. May 1965. 281.9 N8122
Training of the unemployed.
- 50740 MEUER, A., and HORN, K. Estimation of the cadre requirements for agriculture. (Ge) Deut. Landwirt. 17(2):63-65. Feb.1966. 18 D4822
- 50741 MIHALOS, H. Immigration of Greek laborers. (Gre) Athens. Emporikon Biomechanikon Epimeleterion. Delt. 40(12):17. Dec.1965. 286.9 At4
- 50742 MITCHELL, J. K., and BEER, C. E. Effect of land slope and terrace systems on machine efficiencies. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):235-237. 1965. 290.9 Am32T
Time required.
- 50743 PAPESCH, J. The labor-saving optimal combination, of various production factors on the socialist farm. (Ge) Deut. Landwirt. 17(2):60-63. Feb.1966. 18 D4822
- 50744 PEREL'BERG, I. L. Solution to the problem of accounting for labor costs. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:12-14. Apr.1965. 30.69 Uc4
On collective farms.
- 50745 POULSEN, N. Are milking groups of interest to Danish agriculture? (Da) Nord. Mejeri-Tidsskr. 31(11/12):203-204,206. 1965. 44.8 N752
Labor.
- 50746 RANDOLPH, J. Employment and manpower: dimensions of challenge. N. C. State Univ. Agr. Policy Inst. Ser. 15:157-164. May 1965. 281.9 N8122
- 50747 RIES, L. W. Labor planning for spring tillage. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):221-222. Feb.17,1966. 18 N39
- 50748 SAHNER, W. Spatial distribution of employed in the German Federal Republic in the year 1961. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15(13):377-392, map. July 15,1965. 280.9 B643I
Includes agricultural labor.
- 50749 SAZANSKII, YA. I. Work management in livestock care according to schedule. (Rus) Zhivotnovodstvo 1:34-37. Jan.1966. 49 Z6
- 50750 SCHMIDT, G. J. Calculation behind the sorting machine. (Du) Groenten Fruit 21(29):1333. Feb.2,1966. 80 G89
Time study of tomato sorting,
- 50751 SONIN, M. YA. Aktual'nye problemy ispol'zovaniya rabocheisily v SSSR [Present problems in usage of labor capacity in USSR]. Moskva, Mysl', 1965. 303 p. HD5796.S6
- 50752 SUNAGA, S. On the replacement structure of the agricultural labor force and its changing form in the Tohoku district. (Ja) Tohoku Univ. Inst. Agr. Res. Bull. 16(3/4):115-122,211-214. Mar.1965. 107.6 T577
- 50753 SZILAGYI, L. Main characteristics of employment in the years 1949-1963. (Hu) Statist. Szemle 44(1):29-50. Jan.1966. 266.5 St2M
English summary.
Includes agriculture.

- 50754 TUSSING, A. The labor force in Meiji economic growth: a quantitative study of Yamana-shi Prefecture. *J. Econ. Hist.* 26(1):59-92. Ref. Mar.1966. 277.8 J822
Includes history.
- 50755 U. S. DEPT. OF LABOR. Report of the Secretary of Labor on manpower research and training under the Manpower Development and Training Act of 1962-1966. Washington, 1966. 216 p.,map. 158 R29R
Agricultural labor included.
- 50756 U. S. DEPT. OF LABOR. WAGE AND HOUR AND PUBLIC CONTRACTS DIV. Hired farm workers; a study to evaluate the feasibility of extending the minimum wage under the Fair Labor Standards Act, submitted to the Congress, January 1966. Washington, 1966. 77 p. HD4966.A29U5
- 50757 VACHEV, N. Remuneration for accounting personnel on cooperative farms under the new system for planning and managing the national economy. *U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe* 541:15-21. Dec.21.1965. (JPRS 33,424: TT 65-33998; CSO 2200-S) 173 J663Tre
Translation from Schetovodstvo i Kontrol 5:3-9. July 1965.
- 50758 VANCE, R. B. Discussion of the manpower revolution. *N. C. State Univ. Agr. Policy Inst. Ser.* 15:55-57. May 1965. 281.9 N8122
- 50759 VENN, G. Implications of the manpower revolution for education. *N. C. State Univ. Agr. Policy Inst. Ser.* 15:153-156. May 1965. 281.9 N8122
- 50760 VOS, H. W. Effort and time in pipeline milking. *Neth. J. Agr. Sci.* 14(1):47-57. Ref. Feb.1966. 12 N3892
- 50761 WILLIAMS, J. E. The effect of social institutions on retraining in the South. *N. C. State Univ. Agr. Policy Inst. Ser.* 15:105-125. Ref. May 1965. 281.9 N8122
- 50762 WIRTZ, W. W. The march of truth. *West. Grower Shipper* 36(8):14-15,18-20,22. Aug. 1965. 280.38 W52
Farm laborers in California.
- 50763 YOSHIDA, K. I., and OKI, R. Rice raising agriculture and outflow of farm workers. (Ja) Tohoku Univ. Inst. Agr. Res. Bull. 16(3.4):123-150. Mar.1965. 107.6 T577
English summary.
- AGRICULTURE - SITUATION, POLICIES,
AND PROGRAMS
- 50764 ABDO-R., J., and AZUARA S., J. The plateau and its possible agricultural development. (Sp) *Confed. Cam. Nac. Com. Carta Semanal* 30 (1444):6-7,13-16. Aug.1965. 286.8 C76
Mexico.
- 50765 ABOUHAMAD, G. The second Five-Year Development Plan of Syria, 1965-1970. *U. S. Joint Publ. Res. Serv. Transl. Middle East* 156:1-25. July 30,1965. (JPRS 31,326; TT 65-31823; CSO 3560-N) 173 J663Trm
Includes agriculture.
Translation from *Le Commerce du Levant* 5(58):15-23. June 1965.
- 50766 AINES, R. O. Effectiveness of alternative research methodologies for farm policy research. *N. C. State Univ. Agr. Policy Inst. Ser.* 17:63-70. Apr.1965. 281.9 N8122
- 50767 AINES, R. O. Farm program goals and methodology for micro-macro research. *N. C. State Univ. Agr. Policy Inst. Ser.* 17:133-140. Apr.1965. 281.9 N8122
- 50768 ANDERSON, A. G. Problems and prospects for Indian agriculture. *New Zeal. Geogr. Soc. Rec.* 39:11-15. Jan./June 1965. 331.9 N48
Outlook and policies.
- 50769 ANTHONY, K. R. M., and MOORMANN, F. R. Agricultural problems and potentialities of a hill tribe area in Thailand. *Trop. Agr. [St. Augustine]* 42(2):97-104. Apr.1965. 26 T754
- 50770 ASTRAND, H. Farming in Sweden. *Bharat Krishak Samaj. Year Book* 1964:73-82. 22 B46
- 50771 AUSTRIA. BUNDESPRESSEDIENST. Osterreichisches Jahrbuch 1964, sechsunddreissigste Folge [Austrian yearbook 1964, thirty-sixth issue]. Wien, 1965. 749 p. 266 Au72A
Includes a section on agriculture and forestry.
- 50772 BATTISTOTTI, B. Note on the agricultural and dairy situation in Milano. (It) *Riv. Latte* 21(2):4-9. Mar., Apr.1965. 280.38 R52
- 50773 BECKER, K. H. Agriculture in the Federal Republic of Germany. *Bharat Krishak Samaj. Year Book* 1964:53-64. 22 B46
- 50774 BEDETTI, G. Review of the 1963-64 agricultural year. (It) *Agr. Ferrarese* 68(12):237-243. Dec.31,1964. 16 Ag87
- 50775 BENEDIKTOV, I. A. Development of agriculture in the Soviet Union. *Bharat Krishak Samaj. Year Book* 1964:43-52. 22 B46
- 50776 BERENTSCHOT, J. Visit of the Minister of Agriculture to Utrecht. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaar-nummer* 1964:29-33. 1965. 12 N3833J
Agriculture.
- 50777 BHART KRISHAK SAMAJ. Year book, 1964. New Delhi, 1964. 724 p.,map. Ref. 22 B46
Editors: P. S. Deshmukh, R. B. Deshpande, and S. N. Rao.
- 50778 BISHOP, C. E. Purposes and usefulness of policy research. *N. C. State Univ. Agr. Policy Inst. Ser.* 17:5-12. Apr.1965. 281.9 N8122
- 50779 BITTLER'S Lehigh County, Pennsylvania directory, 1965. Allentown, 1965. 56 p. 225 L523
- 50780 BRITISH COLUMBIA. LANDS SERV. The Fort Fraser-Fort George Bulletin Area. *Brit. Columbia. Dep. Lands, Forest, Water Resources. Bull. Area 7, rev.*, 63 p.,map. 1964. 282.132 B77
Geographic information for prospective settlers, including agriculture.
- 50781 BRITISH COLUMBIA. LANDS SERV. The Prince Rupert-Smithers Bulletin Area. *Brit. Columbia. Dep. Lands, Forests, Water Resources. Bull. Area 8, rev.*, 80 p.,map. 1964. 282.132 B77
Geographic information for prospective settlers, including agriculture.
- 50782 BUSH, K. Soviet agricultural reforms since Khrushchev. *Munich. Inst. Stud. USSR. Bull.* 12(7):28-43. July 1965. 280.9 M922B
Includes production.
- 50783 CANOVAS GARCIA, C. Agriculture, policy enterprise of national interest. (Sp) *Spain. Dir. Gen. Capacitacion Agr. Bol. Inform. Min. Agr.* 18(112):3-11. Mar. Apr.1965. 281.9 Sp1
- 50784 CASADIO, G. P. The role of agriculture in the European Economic Community. (It) *Roma Econ.* 18(10):523-538. (Cont.) Oct.1965. 280.8 R66
- 50785 CHOUILLOU, J. Some aspects of agriculture in the French Departments overseas. (Fr) *Rev. Franc. Agr.* 11:34-48. Winter 1965/66. 281.8 R328
In Guadeloupe and Martinique.
- 50786 CHRISLER, D. Cuba in 1965—agricultural situation and food supply. Cuba's agriculture is providing less of the country's food requirement than it did 7 years ago, and food imports cannot fill the gap. *Foreign Agr. Incl. Foreign Crops Markets* 4(9):6-7. Feb.28,1966. A281.9 F76Fo
- 50787 CLAAR, J. B. Farm and home development. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.284-290. 1966. S544.S2
Extension cooperation.
- 50788 CLONTS, H. A., GIBSON, W. L. and WALRATH, A. J. The U. S. farm balance sheet. *Va. Polytech. Inst. Ext. Va. Farm Econ.* 195:17-19. Jan./Feb.1966. 275.29 V813
- 50789 DAVIS, H. J. Agriculture in the United States of America. *Bharat Krishak Samaj. Year Book* 1964:39-42. 22 B46

- 50790 THE DEVELOPMENT of agriculture in Colombia 1959-1965. (Sp) Agr. Trop. 21(11):609-812. Ref. Nov.1965. 26 Ag8
Special number of the magazine upon the occasion of the third national Congress of Agricultural Technicians [Congreso Nacional de Ingenieros Agronomos], Manizales, November 20-24, 1965.
- 50791 DIEHL, W. D. A review of selected contributions of D. Gale Johnson to policy research. N. C. State Univ. Agr. Policy Inst. Ser. 17:194-200. Apr.1965. 281.9 N8122
- 50792 DOBB, E. S. The Agricultural Land Service. Chartered Surv. 98(9):476-478. Mar.1966. 325.8 C38
Farm improvement program.
- 50793 DOSTAL, C. German agriculture. (Fr) Coop. Agr. [Paris] 13(145):7-10. Feb.1966. 280.28 C78972
- 50794 DRAISMA, M., and others. Indrukken van de landbouw in een welvaartsstaat; verslag van een studiereis naar Zweden van 22 Juni tot 4 Juli 1964 [Impressions of agriculture in a welfare state; report of a study trip to Sweden from June 22 to July 4, 1964]. Neth. Dir. Akker-Weidebouw. Nieuwe Bedrijfssyst. Landbouw Mededel. 12,69 p.,map. Apr.1965. 281.9 N385
L. J. van Dijk, W. Kwakernaak, A. J. Louwes, C. J. F. Oomen, and J. H. Voorburg, joint authors.
- 50795 DYHRENFURTH, K. The working out of scientific and technical concepts—an important function of agricultural science according to the eighth German Farmers' Congress. (Ge) Deut. Landwirt. 17(2):50-53. Feb.1966. 18 D4822
- 50796 ESCRITORIO TECNICO DE AGRICULTURA BRASIL-ESTADOS UNIDOS.ASESSORIA DE DIVULGACAO BIBLIOTECA. Agricultura: bibliografia [Agriculture: bibliography]. Rio de Janeiro, 1965. 192 p. Z5075.B7E8
- 50797 EUROPEAN ECONOMIC COMMUNITY. COMMISSION. Eighth general report on the activities of the Community (1 April 1964-31 March 1965). n.p., 1965. 399 p. 280.9 Eu72G
Includes the common agricultural policy.
- 50798 FERRARI-AGGRADI, M. The Green Plan No. 2; report of the Minister. (It) Ital. Agr. 103(1):3-40. Jan.1966. 16 It1
- 50799 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AUSTRIAN NATIONAL COMMITTEE. Annual report, 1961-1963. Vienna, 1965. 40 p. 389.9 F7353Aus
- 50800 GALVEZ, N. L. Published contributions of the U.P. [University of the Philippines] College of Agriculture. Philippine Agr. 48(10):475-511. Mar.1965. 25 P542
- 50801 GEMBLoux. INSTITUT AGRONOMIQUE D'ETAT. Cycle of talks on national and regional agricultural problems at the Gembloux Agronomical Institute, November-December 1964. (Fr) Ann. Gembloux 71(1):1-103, map. First Q.1965. 13 G28
Organized by the alumni association and the chair of rural economics.
- 50802 GENDEL'MAN, M., SLOBODON, V., and AZEV, S. Reorganization needed in virgin land agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 106:5-9. Dec.6,1965. (JPRS 33,154; TT 65-33730; CSO 1840-N) 173 J663Tso
Increase productive capacity.
Translation (source not indicated).
- 50803 GOODSTADT, L. F. Asia's needles hunger. Far East. Econ. Rev. 51(12):559-560. Mar.24, 1966. 280.8 F223
Agricultural policy.
- 50804 GREAT PLAINS AGRICULTURAL COUNCIL. Proceedings. n.p., 1965. 144 p.,map. Ref. 282.9 G7992
- 50805 HEADY, E. O., and SKOLD, M. Projections of U. S. agricultural capacity and interregional adjustments in production and land use with spatial programming models. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 539,511-559, map. Aug.1965. 100 Io9
Linear programming used.
- 50806 HOPPER, W. D. Mainsprings of agricultural growth in India. Indian J. Agr. Sci. 35(2):iii-xxvii. June 1965. 22 Ag831
- 50807 HOWALD, O. ABC for agricultural policy and agricultural economy. (Ge) Grune 93(30):1059-1064. July 23,1965. 17 Sch9
Switzerland.
- 50808 IHLE, H. A. Little ABC for agricultural publicity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(4):116,118. (Cont.) Jan.27,1966. 18 N39
- 50809 IHLE, H. A. Little ABC for agricultural publicity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):250-256. (Cont.) Feb.17,1966. 18 N39
- 50810 IHLE, H. A. Little ABC for agricultural publicity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(9):354-360. Mar.3,1966. 18 N39
- 50811 ICITA, E. Rational utilization of land in Rumanian agriculture. II. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:34-46. May 21,1965. (JPRS 30,195; CSO 2700-S) 173 J663Ste
Productive capacity.
Translation from Revista de Statistica 2:22-33. Feb.1965.
- 50812 JENSEN, E. Thoughts about the change of generations problems in Denmark. (Da) Dansk Landbrug 85(2):32-36. Feb.1966. 280.28 V91
Prospects for agriculture in the future.
- 50813 JEPSEN, G. T. Agricultural structure and agricultural policy. (Da) Tolvmandsbladet 37(7):333-336. July 1965. 11 T58
- 50814 JOHNSON, R. G. U. S. assistance to Indian agriculture. Bharat Krishak Samaj. Year Book 1964:599-602. 22 B46
- 50815 JORGENSEN, E. J. French agriculture. (Da) Tolvmandsbladet 37(7):347-354. (Cont.) July 1965. 11 T58
- 50816 JORGENSEN, E. J. French agriculture. (Da) Tolvmandsbladet 37(8):403-408. (Cont.) Aug. 1965. 11 T58
- 50817 KEATING, B., HARBUTT, C., and KEATING, F. Cajunland, Louisiana's French-speaking coast. Nat. Geogr. 129(3):353-391, map. Mar. 1966. 470 N213
Includes agriculture and social conditions.
- 50818 KENJI, A. Measures to increase China's agricultural production in 1961. 11 p. (JPRS 9229) Transl. 14862
Translation from Ajia Keizai Jumbo 461:1-10. Mar.11,1961.
- 50819 KROHN, H. Agricultural policy in mosaic. (Ge) Übersicht 17(2):101-105. Feb.12,1966. 18 Ub3
- 50820 LANDWIRTSCHAFTLICHE WOCHEN, MUNICH, 1965. Vorträge [Addresses]. Bayer. Landwirt. Jahrbuch 42(spec.no.2), 131 p. 1965. 18 L24
Arranged by the Bayerischer Bauernverband.
- 50821 LARIN, I. V. Scientific and technical periodicals on agriculture and agricultural biology published in the USSR. Herbage Abs. 36(1):7-10. Mar.1966. 241 Im733
Bibliographies.
- 50822 LEAL, A. Agricultural legislation of the past five lustrums. (Sp) Rev. Estud. Agro-Soc. 14(50):7-80. Jan./Mar.1965. 281.8 R327
English summary.
- 50823 LEE, J. E., and SCHALLER, W. N. Aggregation, feedback, and dynamics in agricultural policy research. N. C. State Univ. Agr. Policy Inst. Ser. 17:103-114. Ref. Apr.1965. 281.9 N8122
- 50824 LIGER, P. Extracts from the diary of an agronomist traveling through Iran. (Fr) Agriculture [Paris] 28(278):168,171,173,175,177-178, map; (279):211-216. May-June 1965. 14 Ag823
- 50825 LINDOW, W. The development of agriculture in the German Democratic Republic. Bharat Krishak Samaj. Year Book 1964:69-71. 22 B46

- 50826 LOBANOV, P. P. Basic problems in improving agriculture and its intensification in non-Chernozem zone of USSR. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:1-9. Jan.1966. 20 V633 Policies.
- 50827 LOPEZ CORDOVEZ, L. A. Programming of agricultural development. (Sp) Planificacion 2(5):9-56. Nov.1965. 280.8 P699 Ecuador.
- 50828 MACKENZIE, A. M. Agricultural output in Scotland by regions 1961/62. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:334-345. 1965. 281.9 Sco3S
- 50829 MAGNUSON, W. G. Farmers top nation in lead over Soviets—their productivity is unequaled by any groups. Western Farmer 43(8): 19-20. Feb.1966. 47.8 W27
- 50830 MANNE, A. S., and RUDRA, A. A consistency model of Indian's Fourth Plan. Sankhya, Ser. B, 27(1/2):57-144. Sept.1965. 251.8 In2B Five-Year Plan; agricultural products.
- 50831 MCDONALD, J. C. A look ahead at Canadian agriculture in 1966. Foreign Agr. Incl. Foreign Crops Markets 4(6):4-7. Feb.7,1966. A281.9 F76Fo
- 50832 MENTZ, D., and ROGERS, S. J. The agricultural development potential of the Northern territory; a reply to some recent criticisms of northern development. Australian Inst. Agr. Sci. J. 31(4):289-298. Dec.1965. 23 Au74
- 50833 MIKI, Y. Agriculture in Japan. Bharat Krishak Samaj. Year Book 1964:91-96. 22 B46
- 50834 MOSELY, P. E. The Soviet Union since Khrushchev. Foreign Policy Ass. Headline Ser. 175,79 p.,map. Ref. Feb.1966. 280.9 F76H Contains a chapter on agriculture.
- 50835 MUKERJEE, D. First priority: food. Far East. Econ. Rev. 51(10):448-450. Mar.10, 1966. 280.8 F223 Agricultural policy in India.
- 50836 MULLER, H. J. The Green Report 1966. (Ge) Mitt. Deut. Landwirt.-Ges. 81(7):217-218. Feb.17,1966. 18 N39
- 50837 NARAYAN, S. Recent trends in agricultural planning. Bharat Krishak Samaj. Year Book 1964:195-198. 22 B46
- 50838 NELSON, D. J. Local resource development; three years of Rural Area Development in Custer County, Nebraska. Town Country Church 182:12-15. May/June 1965. 281.28 T66
- 50839 NIELSEN, K. B. Egypt under development. (Da) Tolvmadsbladet 37(9):457-461. Sept.1965. 11 T58 Includes agriculture.
- 50840 NORTHWEST NORTH CAROLINA DEVELOPMENT ASSOCIATION. 1965 annual report: agriculture, industry, community development, travel and recreation. Winston-Salem, 1966. 62 p.,map. 280.9 N818
- 50841 PAKISTAN ACADEMY FOR RURAL DEVELOPMENT. An evaluation of the rural works programme, East Pakistan, 1963-64, by A. T. R. Rahman. Comilla, East Pakistan, 1965. 124 p. HD4700.5.A5P3
- 50842 PAKISTAN ACADEMY FOR RURAL DEVELOPMENT. Sixth annual report, June 1964—May 1965. Comilla, 1965. 88 p. 281.29 P172A Includes The year in retrospect, by A. H. Khan.
- 50843 PALDAM, J. View of the labor movement on agriculture. (Da) Tolvmadsbladet 37(6):286-289. June 1965. 11 T58 Chiefly on agricultural policies.
- 50844 PAPI, G. U. A type of indicative planning. (It) Riv. Polit. Econ. (ser.3)56(1):3-13. Jan. 1966. 280.8 R52 On the World Indicative Plan of FAO; touches upon agriculture.
- 50845 PELLIZZARI, C. European Common Market and agriculture. (It) Rass. Agr. Ital. 21(2):15-16. Feb.1966. 281.8 R18
- 50846 RANDHAWA, M. S. Role of science and technology in Indian agriculture. Bharat Krishak Samaj. Year Book 1964:181-194. 22 B46
- 50847 RANDHAWA, M. S. Role of science and technology in Indian agriculture. Sci. World 9(3): 14-19. 1965. 472 Sci25
- 50848 RAO, C. H. H. Growth of agriculture in India (1951-61): problems and prospects. Bharat Krishak Samaj. Year Book 1964:199-205. 22 B46
- 50849 RAPER, A. F. Some reflections upon leaving Comilla. Pakistan Acad. Rural Develop. J. 5(2):55-69. Oct.1964. 281.29 P17 Rural development programs.
- 50850 RING, W. Problems of agrarian structure even over the border. (Ge) Diplomlandwirt 15(12): 289-292. Dec.1965. 18 D62 In OECD countries.
- 50851 ROCCA, A. M. N. Notes on the present situation of Italian agriculture. (It) Rass. Agr. Ital. 21(1):27-28. Jan.1966. 281.8 R18
- 50852 ROCKEFELLER FOUNDATION. Program in the agricultural sciences; annual report 1964-1965. New York, 1965. 262 p.,map. 281.9 R59 Includes the agricultural programs for Mexico, Colombia, Chile, and India, the International Food Crop Improvement Program, and the International Rice Research Institute.
- 50853 ROUVEROUX, P. Perspectives for 1985. (Fr) Agriculture [Paris] 28(278):151,153. May 1965. 14 Ag823 French agriculture.
- 50854 RUDD, R. W., and SHUFFETT, D. M. Needed research in agricultural policy in the southern United States. N. C. State Univ. Agr. Policy Inst. Ser. 17:13-24. Ref. Apr.1965. 281.9 N8122
- 50855 SAKURAI, M. Technology in agricultural production. (Ja) Quart. J. Agr. Econ. 20(1):163-186. Jan.1966. 22.5 N687 On the productive capacity of agriculture.
- 50856 SAMPAIO, M. T. Agrarian structure. (Por) Granja [Lisboa] 24(1/2):26-28. Jan./June 1965. 15.5 G76
- 50857 SAUVY, A. Agriculture in progress. (Fr) Rev. Franc. Agr. 10:5-13. Autumn 1965. 281.8 R328
- 50858 SCAPACCINO, G. Comment on the new Green Plan presented to Parliament. (It) Rass. Agr. Ital. 21(1):17-19. Jan.1966. 281.8 R18
- 50859 SCHRIMPER, R. A. Walrasian-Hicksian analysis of interrelationships in agricultural adjustments. N. C. State Univ. Agr. Policy Inst. Ser. 17:141-152. Apr.1965. 281.9 N8122
- 50860 SEEDORF, W. The evangelical church and agriculture. (Ge) Ubersicht 17(2):113-115. Feb.12,1966. 18 Ub3 Agricultural policy report.
- 50861 SEN, S. R. Population and agricultural development. Yojana 10(3):17-19. Feb.20,1966. 280.8 Y7 Agricultural policy.
- 50862 SENIOR, B. Great Society steps up attack on rural poverty. Doane's Agr. Rep. 29(8):25. Mar.8,1966. 281.8 D652 Community Development Act of 1966 (proposed).
- 50863 SLOAN, W. J. S. Agricultural scientists play an important role. Queensland Agr. J. 91(12): 705-707. Dec.1965. 23 Q33
- 50864 SPEER, W., VIVKANANTHAN, T., and IBARRA, R. Report to the Government of Indonesia on rehabilitation program, area devastated by volcanic eruptions, Bali. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1964,20 p. 1965. 281.9 F733E
- 50865 SPRAGUE, H. B. Freedom from hunger. Ceiba 11(1):6-8. Mar.1965. 475 C32 On productive capacity of agriculture in developing areas.
- 50866 STERN, J. K. Farm surpluses—problem or asset? The weapon Khrushchev couldn't match. Chem. Farming 7(4):10-13. Fall 1965. 57.8 C422

- 50867 STUART, R. C. After the Agricultural Development Conference. Massey Univ. Dairy-farming Annu. 1965:93-101. 44.9 M382
- 50868 TAHIR, M. A. Role of agriculture in a developing country. Com. Indus. 9(3):24-26, 29. May 1965. 286.8 C734
Chiefly Pakistan.
- 50869 TIXIER, P. The central valley of the Da Nhim; essay on regional agriculture. (Fr) J. Agr. Trop. Bot. Appl. 12(4/5):153-167, map. Apr./May 1965. 26 J822
Vietnam.
- 50870 TOLCHEL'NIKOV, YU. S. Aerial methods in mapping agricultural resources. 4 p. (JPRS 33,441; TT 65-34015; CSO 1873-D/PE) Transl. 15799
Translation from Vestnik Sel'skokhozyistvennoi Nauki [Moscow] 10:28-30. 1965. CFSTI: \$1.00.
- 50871 TOLLEY, G. S., and SCHRIMPER, R. A. Feasible ways for relating the micro and macro. N. C. State Univ. Agr. Policy Inst. Ser. 17:115-129. Apr. 1965. 281.9 N8122
In production adjustments.
- 50872 UNITED ARAB REPUBLIC. MINISTRY OF AGRICULTURE. FOREIGN RELATIONS DEPT. U.A.R. agriculture, by H. Abdallah. Cairo, 1965. 115 p. S341.A2
- 50873 URAKI, S. An inquiry on the executing-process of "Agricultural Small Policy." (Ja) Mie Univ. Fac. Agr. Bull. 31:87-108. Mar. 1965. 107.6 T78
- 50874 URUGUAY. MINISTERIO DE GANADERIA Y AGRICULTURA. BIBLIOTECA CENTRAL. Bibliografia agricola del Uruguay [Agricultural bibliography of Uruguay] 1964-1965. Montevideo, 1965? 45 p. 241 Ur822
- 50875 U. S. AGENCY FOR INTERNATIONAL DEVELOPMENT. The Foreign Assistance Program; annual report to the Congress, fiscal year 1965. Washington, 1966. 77 p. 173.2 M98Re
Includes technical assistance.
- 50876 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. NEVADA. Annual report, 1964. Reno, 1965. 55 p. A281.9 St193
- 50877 U. S. BUR. OF EDUCATIONAL AND CULTURAL AFFAIRS. Resources survey for Latin American countries. Washington, 1965. 640 p. HC125.U5
Includes programs of the U. S. Department of Agriculture.
- 50878 U. S. BUR. OF THE CENSUS. Bibliography of social science periodicals and monograph series: Soviet Zone of Germany, 1948-1963. U. S. Bur. Census. Foreign Soc. Sci. Bibliogr. Ser. P-92, 21, 190 p. 1965. 241.3 Un322
Includes references to agriculture for which the index should be consulted.
- 50879 U. S. PRESIDENT (L. B. JOHNSON). Food for freedom. U. S. Dep. State. Bull. 54:336-341. Feb. 28, 1966. 150 B87
In relation to the food for Freedom Act of 1966.
- 50880 VALDEMAR, G. Agriculture and art. (Fr) Rev. Franc. Agr. 11:69-72. Winter 1965/66. 281.8 R328
- 50881 VAQUER, A. Rural productivity, size of farms, and conditions of ownership. (Sp) Soc. Rural Argent. An. 99(11):14-15. Nov. 1965. 9 So1
- 50882 VIGNACOURT, R. J. B. DE. Soviet agriculture. (Fr) Economie 22(995):11-13. (Cont.) Feb. 18, 1966. 280.8 Ec726
- 50883 VINCENT, L. A. Productivity and relative prices in 15 branches of the French economy (1949-1963). (Fr) France. Inst. Nat. Statist. Etudes Econ. Etudes Conjoncture 21(2):17-84. Feb. 1966. 280.8 F84
Agriculture included.
- 50884 WALTERS, H. E. Soviet report gives some results of 1965 farm output. Foreign Agr. Incl. Foreign Crops Markets 4(8):6-7. Feb. 21, 1966. A281.9 F76Fo
- 50885 WARD, A. B. The Agricultural Development Conference; an outside view. Massey Univ. Dairyfarming Annu. 1965:102-117. 44.9 M382
Includes discussion.
- 50886 WATERSTON, A. Development planning; lessons of experience. Baltimore, Johns Hopkins Press, 1965. 706 p. HD82.W28
Bibliography, p. 660-681.
Includes agricultural planning in various countries.
- 50887 WEITZELL, E. C. Rural development. In Sanders, H. C., ed. The Cooperative Extension Service, p. 304-310. Ref. 1966. S544.S2
- 50888 WESTERNBERG, B. Agriculture in the Netherlands. Bharat Krishak Samaj. Year Book 1964:83-89. 22 B46
- 50889 WIEGMANN, F. H. The future of agricultural policy. La. Rural Econ. 28(1):2-5. Feb. 1966. 281.8 L93
- 50890 WILCOX, W. W. Purposes and usefulness of farm policy research. N. C. State Univ. Agr. Policy Inst. Ser. 17:1-4. Apr. 1965. 281.9 N8122
- 50891 WILEY, W. H. Potential of agriculture in the southeastern area of the United States. Ass. Amer. Feed Contr. Offic. Offic. Publ. 1966: 116-121. 389.7 As7
- 50892 YAHYA, A. F. M. Expansion programme. Pakistan Acad. Rural Develop. Annu. Rep. 6: 73-83. 1965. 281.29 P172A
Agricultural program.

Subsidies

- 50893 BENINI, A. Financing for the improvement of grape and fruit culture. (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna 18 (9):19-20. Sept. 1965. 287 So5
- 50894 BREICK, K. Annual account 1963/64 on the approximation of utilization results within the framework of the General Equalization in the Dairy Industry (Federal Equalization). (Ge) Deut. Molk.-Zeitung 87(8):285-287. Feb. 24, 1966. 44.8 Su2
- 50895 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Bundessubventionen und Anteile der Kantone an Bundeseinnahmen [Federal subsidies and share of cantons], 1963. Switz. Eidgenoss. Statist. Amt. Statist. Quellenwerke Schweiz 380, 66 p. 1964. 262 St2Q
Text also in French.
Agricultural grants included.

COST AND STANDARD OF LIVING

- 50896 PUNJAB, INDIA. BOARD OF ECONOMIC INQUIRY. Inquiry into the standard of living and means of sustenance of the aged destitutes. Punjab (India). Board Econ. Inq. Publ. 103, 62 p. 1964. 281.9 Ea72
Includes proportion of the destitute aged to the total rural population.
- 50897 VASQUEZ CARRIZOSA, J. The cost of living. (Sp) Rev. Nac. Agr. 57(720):28-29. Apr. 1965. 9.4 R32

FARM MANAGEMENT AND LAND ECONOMICS

- 50898 ABBOZZO, P. Apropos of ordinary farms. (It) Genio Rurale 28(12):1075-1079. Dec. 1965. 281.8 R522
Characteristics and finance.
- 50899 ABERYSTWYTH. UNIVERSITY COLLEGE OF WALES. Farm management survey, comparative tables: poor land dairy farms 1964/65, size groups (1) 0-49 adjusted acres, (2) 50-59 adjusted acres, (3) 100 adjusted acres and over. Aberystwyth, 1965. 16 p. 281.3449 Un32Far
Management and costs and returns.

- 50900 ADAMS, W. Farming in today's expanding world. *Rural Realtor* 18(1):9. Jan.1966. 282.8 R88
Trend to large-scale farms.
- 50901 AGRICULTURAL Conference 1966; the future of rural estate management. *Chartered Surv.* 98(9):468-484. Mar.1966. 325.8 C38
Held in London, January 12, 1966.
Opening address by H. Wells.
- 50902 AIKAWA, T. Research on the German classical theory of agricultural management. 1-2. (Ja) *Kyushu Univ. Fac. Agr. Sci. Bull.* 22(1): 49-88. Ref. Oct.1965. 107.6 K995B
German summary.
- 50903 AINSLIE, K. How to build up an economic beef unit on a tobacco farm. *Rhodesian Tobacco J.* 18(1):37-39. Jan.1966. 69.8 R34
- 50904 AKADEMIYA NAUK SSSR. Results of evaluation of activities of Experimental Scientific-Research Station Gorki Leninskie [Eksperimental'naya Nauchno-Issledovatel'skaya Baza Gorki Leninskie] and its subsidiary scientific-industrial farm. (Rus) *Vestnik Sel'skokhoz. Nauk [Moscow]* 12:3-128. Dec.1965. 20 V633
- 50905 ALBERTA. DEPT. OF LANDS AND FORESTS. Sixteenth annual report for the fiscal year ended March 31st, 1965. Edmonton, 1965. 116 p. 280.9 AL17
- 50906 ALVAREZ, J. L. DEL. A. Agricultural integration and cooperatives. (Por) *Arco-Iris* 14 (94):15-16,18. Dec.1965. 280.28 Ar2
Vertical and horizontal.
- 50907 BANGMA, J., and POPPELEN, J. R. VAN. Toward enlarging of the farm size? (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfs-voorlichting Jaarnummer* 1964:34-37. 1965. 12 N3833J
Costs and returns.
- 50908 BAUER, G. Observations on the position of the medium-scale farmers in West Germany. (Ge) *Deut. Landwirt.* 17(2):66-68. Feb.1966. 18 D4822
- 50909 BEALE, C. I. A. Farm planning and management. 1. *Power Farming Australia New Zeal.* *Better Farming Dig.* 75(2):3-4.82.86. Feb.1966. 58.8 P87
Includes financial planning.
- 50910 BENCZE, J. Role and place of the farm manager in the production cooperatives. (Hu) *Magyar Mezogazdasag* 21(5):10. Feb.2,1966. 19 M27
- 50911 BERTSCH, H. The family farm in the Plains. *Great Plains Agr. Coun. Proc.* 1965:107-119. 282.9 G7992
Great Plains.
- 50912 BIEDER, W., and HARPKE, E. Distribution and accounting of feeds on type I and II LPG. (Ge) *Deut. Landwirt.* 17(1):8-12. Jan.1966. 18 D4822
- 50913 BOGOEV, N. Financial control of cooperative farms in Bulgaria. (Rus) *Uchet Finansy Kol-khoz. Sovkhoz.* 3:39-41. Mar.1965. 30.69 Uc4
- 50914 BOON, C. Maintenance of the family farm in Europe returns more and more to the foreground. (Ge) *Agrarpolit. Rev.* 22(5):177-186. Jan.1966. 281.8 Ag824
- 50915 BOYKIN, C. C., CATION, D. C., and RADER, L. Economic and operational characteristics of Arizona and New Mexico range cattle ranches. U. S. D. A. Econ. Res. Serv. ERS-260,25 p.,map. Jan.1966. A281.9 Ag83E
- 50916 BRAY, J. O. Mechanization and the Chilean inquilino system: the case of fundo "B." *Land Econ.* 42(1):125-129. Feb.1966. 282.8 J82
Management.
- 50917 BROWN, T. G. A review of equilibrium analysis of income improving adjustments on farms in the Lake State Dairy Region, 1965. N. C. State Univ. Agr. Policy Inst. Ser. 17:170-172. Apr.1965. 281.9 N8122
- 50918 BUDYKA, A., and NAZARENKO, V. The practices of the transfer of the sovkhoses to full self-support. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 105:20-31. Nov.29,1965. (JPRS 33,044; TT 65-33621) 173 J663Tso
Chiefly costs of large-scale farms.
Translation from *Voprosy Ekonomiki* 9:35-41. Sept.1965.
- 50919 BULGARU, M. Economic and managerial consolidation of agricultural production cooperatives. (Rum) *Rev. Statist.* 14(8):22-34. Aug. 1965. 267.8 St22
- 50920 BULOCHNIKOVA, L. A., and GORODETSKII, E. Tekhnicheskii progress i rentabel'nost' kolkhoznogo proizvodstva [Technical progress and the profit on collective farms]. Moskva, *Ekonomika*, 1965. 215 p. S562.U4B8
- 50921 BURKE, R. L., and JACK, R. L. Small greenhouse and greenhouse-florist operations in West Virginia. W. Va. Agr. Exp. Sta. Bull. 517,19 p. Dec.1965. 100 W52
- 50922 CANDLER, W. V. A new look at share-farming agreements. *Massey Univ. Dairyfarming Annu.* 1965:41-46. 44.9 M382
Includes discussion.
- 50923 CASTRO, J. B. DE. Holambra cooperative: development of poultry raising. (Por) *Arco-Iris* 14(94):21-22. Dec.1965. 280.28 Ar2
- 50924 COROIU, I. Agricultural cooperatives of production of the Benat region on their way of economic and managerial consolidation. (Rum) *Probl. Agr.* 17(7):82-85. July 1965. 21 R862
- 50925 COZENS, L. E. Production economics, averages and standards in research and extension. *Australian J. Agr. Econ.* 9(2):111-128. Dec. 1965. 281.8 Au74
Dairy farm management.
- 50926 CRAILSHEIM, FREIHERR VON. What are marginal farms and how can they be improved? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(10):408-410,412-413. Mar.10,1966. 18 N39
- 50927 DAVIDSON, B. R., and MARTIN, B. R. The relationship between yields on farms and in experiments. *Australian J. Agr. Econ.* 9(2):129-140. Ref. Dec.1965. 281.8 Au74
- 50928 DAVIS, B. A review of On Aggregating Linear Programming Models of Production. N. C. State Univ. Agr. Policy Inst. Ser. 17:201-206. Apr.1965. 281.9 N8122
- 50929 DAVYDOV, A. M., and KUROCHKIN, K. K. Problems in farm management on irrigated virgin land. (Rus) *Khlopkovodstvo* 2:11-13. Feb.1966. 72.8 K522
Cotton.
- 50930 DUANE, P. Markov process analysis of farm-firm adjustments. N. C. State Univ. Agr. Policy Inst. Ser. 17:188-193. Apr.1965. 281.9 N8122
- 50931 DUTHIE, W. B. Indoor sheep management interim report, 1964-65: fattening hogs; inwintering hill ewe hogs. *Edinb. Sch. Agr. Econ. Rep.* 89,11 p. Sept.1965. 281.9 Ed4E
Includes costs and returns.
- 50932 FEIL, H. The development of demonstration and research farms of the German Academy of Agricultural Sciences [Deutsche Akademie der Landwirtschaftswissenschaften] in Berlin according to the eighth German Farmers' Congress. (Ge) *Deut. Landwirt.* 17(2):53-57. Feb. 1966. 18 D4822
- 50933 FOLLEY, R. R. W., and HINTON, W. L. British fruit farming: an economic study of the production and marketing of apples and pears. Cambridge, Univ. Sch. Agr. Farm Econ. Br. Rep. 64,71 p. Feb.1966. 281.9 C14
- 50934 FRANCIS, D. G. Department of Lands and Survey. 3. General mapping. New Zeal. Geogr. Soc. Rec. 39:10-11,map. Jan./June 1965. 331.9 N48
In New Zealand.

- 50935 FRINGS, H. M. K. Revolution in poultry raising. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:47-50. 1965. 12 N3833J Management.
- 50936 FROBE, B. The influence of altitude on the specialization of socialist farms. (Ge) Z. Agrarikon 10(8):313-315. 1965. 281.8 Z3
- 50937 GORANOV, K. Control council on cooperative farm. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 3:41-42. Mar.1965. 30.69 Uc4 Bulgaria.
- 50938 GREAT BRITAIN MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. The farm as a business. 7. Aids to management, arable crops and grass. Ed. 3. London, 1965. 41 p. 281.171 G79Fa
- 50939 GRIN'KO, F., and TIKHONOV, M. Suggestions for new kolkhoz statutes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 104:12-16. Nov.17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso Includes income. Translation from Ekonomika Sel'skogo Khoz-yaystva 9:100-102. 1965.
- 50940 GUIA agricola Philips [Philips agricultural guide], 5th, 1966. Madrid, 1965. 320 p. 15 G942
- 50941 HAMILTON, R. G. Future needs for fruit growers are larger orchards and a business management approach. New Zeal. J. Agr. 112 (1):64-65. Jan.1966. 23 N48J
- 50942 HARTIA, S., SIRBU, N., and SOTAN, S. Effective territorial distribution of the production of field crops. (Rum) Probl. Econ. [Bucharest] 18(10):84-97. Oct.1965. 280.8 P947 Specialized farming.
- 50943 HEDGES, T. R., and MOORE, C. V. Economics of on-farm irrigation water availability and cost, and related farm adjustments. 4. Intra-valley variations in relation to resource use, earnings, and adjustments in the San Joaquin Valley cotton area. Giannini Found. Agr. Econ. Res. Rep. 286,72 p.,map. Dec.1965. 281.9 G34M
- 50944 HENKE, G. Introduction to farm planning methods. 4. (Ge) Ausbildung Beratung Land-Hauswirtsch. 18(7):133-136. Ref. July 1965. 18 N11 Linear programming.
- 50945 HODGSON, J. N. Large-scale farming; the economics of size. Massey Univ. Dairyfarm-ing Annu. 1965:12-18. 44.9 M382
- 50946 HOFMANN, F. Efficient swine production. (Ge) Deut. Landwirt. 16(12):499-501. Dec. 1965. 18 D4822
- 50947 JACOB, H., and STAEVIE, D. Experiences from the management activities on the Kampf state farm. (Ge) Deut. Landwirt. 17(2):57-59. Feb.1966. 18 D4822
- 50948 JAPAN. MINISTRY OF AGRICULTURE AND FORESTRY. AGRICULTURAL ADMIN. BUR. EXTENSION OFF. Noka no atarashi keiei to seikatsu [New farm management and life]. Tokyo, Chikyu Shuppan, 1965. 313 p. S562.J3A3
- 50949 KARNER, L. Research on the economic value of home production of vegetables for the mountain farm. (Ge) Forderungsdienst 13(7):230-233. July 1965. 19 F75 Consumption, market value, and labor required in Austria.
- 50950 KAUFMANN, W., ed. Leistungsfähige und vereinfachte Innenwirtschaft [Productive and simplified farm management] Hannover, Landwirtschaftskammer, 1964. 80 p. 281.175 K16 Introduction and conclusion by Rehwinkel.
- 50951 KENYA. LANDS DEPT. Annual report, 1964. n.p., 1965. 16 p. 282.9 K42
- 50952 KLAASSENS, K. Bedrijfsgrrootte en rentabiliteit op akkerbouwbedrijven in de noordoost-polder [Farm size and profits on arable farms in the Northeast Polder]. Landbouw-Econ. Inst. Stud. 26,48 p. May 1965. 281.9 L23S
- 50953 KLINE, R. G. Economic principles for planning adjustments of the farm business: eliminating inferior processes and restriction. Va. Polytech. Inst. Ext. Va. Farm Econ. 195:3-10. Jan./Feb.1966. 275.29 V813 Linear programming.
- 50954 KOLBITZ, K. Scientific management activities of chairmen of type III LPG. (Ge) Deut. Landwirt. 17(1):4-8. Jan.1966. 18 D4822
- 50955 KOMURA, K., and KOIZUMI, K. A study on the farm planning in the programme region of field irrigation. (Ja) Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 13:1-46, map. Ref. Mar.1965. 87 Ok322 English summary.
- 50956 KRAUSS, B., and ALEXANDER, W. P. Grove Farm Plantation, the biography of a Hawaiian sugar plantation. Palo Alto, Calif., Pacific Books, 1965. 400 p.,map. HD9109.G7K7
- 50957 KRISTIN, K. Increased production in the Estonian SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:26-27. Aug.3, 1965. (JPRS 31,394; TT 65-31891; CSO 1840-D) 173 J663Tso Translation from Sovetskaya Estoniya, July 6, 1965:2.
- 50958 KUNOWSKI, VON. The farm as reflection of the personality of its manager. (Ge) Landarbeit 16(7):60-62. (Cont.) July 1965. 18 L2355
- 50959 KURATA, T. Business analysis of some co-operative farms. 2. (Ja) Mie Univ. Fac. Agr. Bull. 31:37-86. Mar.1965. 107.6 T78
- 50960 LAUGHLIN, R. E., HAGAN, A. R., and DOLL, J. P. An economic analysis of alternative beef cattle systems for a large farm in central Missouri. Mo. Agr. Exp. Sta. Res. Bull. 895, 54 p.,map. Ref. Sept.1965. 100 M693 U. S. Department of Agriculture, cooperating. Linear programming and block budgeting used.
- 50961 LINDER, H. Demonstration farms in the north. (Sw) Svensk Valltidskr. 4(5):143-148. 1965. 60.8 Sv22
- 50962 LOBBECKE, H. VON. 1965 backward and forward look. (Ge) Mitt. Deut. Landwirt.-Ges. 81 (7):219-220. Feb.17, 1966. 18 N39 Management in relation to weather conditions.
- 50963 LOFTSGARD, L. D. An economic perspective of family farms in the Great Plains. Great Plains Agr. Coun. Proc. 1965:95-105. 282.9 G7992
- 50964 LONDHE, S. R., and FIELDER, L. L. Crop plans for small farms in the central Louisiana mixed farming area. La. Rural Econ. 28(1):10-13. Feb.1966. 281.8 L93
- 50965 MCKENZIE, S. A. Large-scale farming; a consulting officer's view. Massey Univ. Dairy-farming Annu. 1965:24-27. 44.9 M382 Includes discussion.
- 50966 MEEKMA, A. M., and DAVIS, J. W. Balanced dairying. Milk Prod. [Houston] 30(7):14-15. July 1965. 44.8 M5993
- 50967 MEGRET, J. Does he lose his courage; how many to form the G.A.E.C.? (Fr) Rev. Franc. Agr. 11:23-32. Winter 1965/66. 281.8 R328 Legislation. Groupements Agricoles d'Exploitation en Commun.
- 50968 MOORE, C. V. Economies associated with size, Fresno County cotton farms. Giannini Found. Agr. Econ. Res. Rep. 285,49 p. Nov.1965. 281.9 G34M
- 50969 NAGY, L. Szovetkezeti elvek termeloszovetkezeti mozgalmunkban [Cooperative principles in our producers' cooperative movement]. Budapest, Akademiai Kiado, 1965. 244 p. Ref. HD1491.H8N3 Farm cooperatives.
- 50970 NESTEROV, V. G. Most favorable species of plants and livestock on the farms. (Rus) Mo-skov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:487-493. 1964. 20 M857 Statistical research methods.

- 50971 NETHERLANDS. COMMISSIE NIEUWE BEDRIJFSSYSTEMEN IN DE LANDBOUW. STU-DIEGROEP GEMENGDE ZANDBEDRIJVEN. De toekomstige ontwikkeling van het gemengde zandbedrijf [Future development of the mixed sand farm]. Neth. Commissie Nieuwe Bedrijfs-syst. Landbouw. Publ. 10,128 p. Oct.1965. 281.9 N387
- 50972 NILSSON, N. O. Combined planning for land and forest on farms. (Sw) Kalmar Lans Hus-hallingssallsk. Tidskr. 4:20-22. Aug.1965. 11 K123
- 50973 NISSEN, J. G. Views of the smallholders' unions on land legislation. (Da) Tolvmands-bladet 37(7):330-332. July 1965. 11 T58
- 50974 O'BRIAIN, S. Farmhouse hospitality. Land-mark 22(8):15-16. Aug.1965. 281.28 L23
Farm tourists in Ireland.
- 50975 PATUELLI, V. For an "entrepreneurial ag-riculture. (It) Genio Rurale 28(7/8):579-585. July/Aug.1965. 281.8 R522
- 50976 PAUL, G. Preparation and conduct of mem-bership meetings on type III LPG. (Ge) Deut. Landwirt. 16(12):469-472. Dec.1965. 18 D4822
- 50977 PAVIC, B. Cattle farms and their productive and marketing potential. (Se) Stocarstvo 19 (1/2):17-35. Jan./Feb.1965. 43.8 St6
- 50978 PETTER, H., WOHNER, O., and STORCH, H. Problems of cattle raising and grassland use in the high and transitional areas of the Thuri-gian Forest. (Ge) Deut. Landwirt. 17(2):79-81. Feb.1966. 18 D4822
- 50979 PLAUNT, D. How to budget the swine enter-prise. Hog Prod. 1(3):9. May 1965. 46.8 H675
- 50980 PORRES JUAN-SENABRE, E. Technical and economic measures for increasing productivity and income from banana farms. (Sp) Rev. Estud. Agro-Soc. 14(50):136-139. Jan./Mar. 1965. 281.8 R327
- 50981 PROEFBOERDERIJ HERINO. Verslag over 1964-1965 [Report on the Heino Experimental Farm for 1964-1965]. Ver. Proefboerderij Overijssel. Proefboerderij Heino 32,47 p. 1965. 64.9 V583
- 50982 RAMOS D., M. Measures for improving the economy and promoting the establishment of new dairy farms for supplying Greater Lima. (Sp) Soc. Nac. Agr. Publ. Mens. 17(353):13-18. Oct.1965. 9.8 So13
Includes costs and returns.
- 50983 REICHEL, H. The tasks of farming in 1966. U. S. Joint Publ. Res. Serv. Transl. East. Eu-rope. Agr. Forest. Food Indus. 423:1-5. Mar.9,1966. (JPRS 34,468; TT 66-30908; CSO 2900-S) 173 J663Ste
East Germany.
Translation from Feldwirtschaft 1:5-6. 1966.
- 50984 RIJSENBECK, T. C. J. M. The ballad of the farmer. (Du) Veeteelt Zuivelber. 8(4):155-165, map. Apr.1965. 49 V51
Farm management.
- 50985 ROTHLSBERGER, P. Technical and organiza-tional management. (Ge) Grune 93(30):1049-1055. July 23,1965. 17 Sch9
Switzerland.
- 50986 ROZEBOOM, D. Bird's eye view of the cheese manufacturing farm in South Holland and Utrecht. (Du) CMC (Coop. Melkcent.) 21(5): 78. June 5,1965. 44.8 C11
- 50987 SACHS, A. Experiences and knowledge of farm management. (Ge) Grune 93(30):1055-1059. July 23,1965. 17 Sch9
Switzerland.
- 50988 SAFVESTAD, V. Kursverksamheten i Stenung-sund 1958/59; en analys av skillnader mellan kursdeltagares och icke kursdeltagares gardar ar 1959 och 1962. The Stenungsund Project 1958/59. An analysis of differences between farms engaged and not engaged in course activ-ity in 1959 and 1962]. Uppsala. Lantbruks-hogsk. Medd. Ser. A, 42,52 p. 1966. 11 Up62
English summary.
Effects on type of farming and returns.
- 50989 SARGENT, E. D. Some problems arising from present share-farming agreements. Massey Univ. Dairyfarming Annu. 1965:32-40. 44.9 M382
Dairy farms.
- 50990 SCHELHAAS, H. On the future of the family farm. II-III. (Du) Ned. Zuivelbond. Off. Orga-an 57(22):456-478; (23):477-479. June 2-9,1965. 44.9 AL3
- 50991 SCHIOPU, B., and JIANU, E. Concentrating production of wheat and corn on Rumanian State farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 392:9-20. Sept.20,1965. (JPRS 32,066; TT 65-32559; CSO 2700-S) 173 J663Ste
Translation from Probleme Agricole 7:10-20. July 1965.
- 50992 SCHIOPU, B., and JIANU, E. Some problems of the concentration and specialization of the wheat and corn production on state farms. (Rum) Probl. Agr. [Bucharest] 17(7):10-20. July 1965. 21 R862
- 50993 SCHIPPERS, J. M., and WOLSINK, G. H. Pro-dukcieomvang en specialisatie op de Brabantse gemengde bedrijven [Extent of production and specialization on Brabant mixed farms]. Land-bouw-Econ. Inst. Stud. 23,96 p., map. Apr. 1965. 281.9 L23S
- 50994 SCOLA, P. M. An economic classification of Scottish farms. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:295-329. 1965. 281.9 Sco3S
- 50995 SIN, I. A gazdalkodasi eredmeny vizsgalata a mezogazdasagi termeloszovetkezetekben [Anal-ysis of result of management in agricultural production cooperatives]. Ed. 2, enl. Buda-pest, Kozgazdasagi es Jogi Konyvkiado, 1965. 391 p. Ref. S562.H855
- 50996 SMITH, B. A. J. Progress at Waimate West Demonstration Farm. Massey Univ. Dairy-farming Annu. 1965:56-60. 44.9 M382
- 50997 SOTAN, S., HARTIA, S., and CONDRATENCO, T. Application of mathematical methods in the study of distribution and specialization of agri-cultural production. (Rum) Rev. Statist. 14(8): 72-75. Aug.1965. 267.8 St22
- 50998 SPEICHER, J. A., and LASSITER, C. A. In-fluence of specified farm management factors on dairy farm net income. J. Dairy Sci. 48(12): 1698-1703. Dec.1965. 44.8 J822
- 50999 STURROCK, F. G. The optimum size of family farm; a study of amalgamation for ara-ble smallholdings. Cambridge. Univ. Sch. Agr. Farm Econ. Br. Occas. Pap. 9,16 p. June 1965. 281.9 C140
- 51000 STUTZER, D. The proficient is recognized in farming success. (Ge) DLZ (Deut. Landtech. Z.) 17(1):8-9. Jan.1966. 58.8 T677
- 51001 TSYNKOV, M. YU. Organizatsiya zhivotnovodstva na fermakh [Livestock farm management]. Moskva, Kolos, 1965. 368 p. SF55.U4T7
- 51002 TWEETEN, L. G. The farm firm in agricul-tural policy research. N. C. State Univ. Agr. Policy Inst. Ser. 17:93-102. Apr.1965. 281.9 N8122
- 51003 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of the Interi-or and related agencies appropriations for 1967. Hearings, 89th Cong., 2d sess. Part 1. Washington, 1966. 954 p., map. 156 Un3
Includes the Bureaus of Land Management and Outdoor Recreation.
- 51004 VALLAT, J. The peasant: wage-earner or entrepreneur? (Fr) Agr. Romande (ser.B)4 (10):69-71. Oct.1965. 17 Ag8
Prices and costs in farm management.
- 51005 VERMEL', V., and PALIN, A. Shortcomings in agricultural specialization in North Kazakh-stan must be eliminated. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116:1-5. Mar.17,1966. (JPRS 34,598; TT 66-31037) 173 J663Tso
Outlook and policies.
Translation from Ekonomicheskaya Gazeta 5:35-36. Feb.1966

- 51006 WARD, F. L. High country farming in the South Island of New Zealand; a study of 10 years' production from a group of 26 high country properties, 1952-53 to 1961-62. New Zeal. Meat Wool Boards' Econ. Serv. Bull. 13,16 p. June 1965. 50.9 N483
- 51007 WASHKO, W. W. Corn silage goal for the dairyman whose herd is making up to 500 pounds fat. Agway Coop. 2(4):18. Apr.1966. 280,28 Ag9
Management for production of feed.
- 51008 WERNER, K. The development of cooperative relations in socialist agriculture. (Ge) Z. Agrarokon.10(8):297-303,map. 1965. 281.8 Z3
- 51009 YNIGUEZ, A. D. Estimation problems of a nonlinear supply model. Philippine Agr. 48(10): 423-442. Ref. Mar.1965. 25 P542
Input-output analysis; statistical methods.
- 51010 ZHUKOVSKIY, YE. "Gomsel'mash" plant lax in assisting subordinate sovkhozes. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:1-3. Sept.16,1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
In accounting and economic planning.
Translation from Sovetskaya Belorussiya, Aug.20,1965:2.
- Bookkeeping and Records
- 51011 ADLERBERG, A., and others. Good, but inadequate. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:8-9. Apr.1965. 30.69 Uc4
V. Chebykin, T. Dubovitskaya, K. Maksimova, and T. Maksimov, joint authors.
Uniform chart of accounts for collective farms.
- 51012 ANDZHAN, K. YA. Our experience in teaching journal order accounting system. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:54-58. May 1965. 30.69 Uc4
- 51013 BERZIN', K. Not only for collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:6-7. May 1965. 30.69 Uc4
Uniform chart of accounts.
- 51014 BIDENKO, D. S. Opinions of bookkeepers. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:4-6. May 1965. 30.69 Uc4
Evaluation of suggested uniform chart of accounts for collective farms.
- 51015 CHERNOVETSKII, M. A. Not in the interest of collective farm production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:8-10. May 1965. 30.69 Uc4
Uniform chart of accounts.
- 51016 CLITHERO, W. A. The impact of computers on agriculture, present and future. Amer. Feed Manufacturers Ass. Nutr. Coun. Proc., 25th Semi-annu. Meeting:15-17. 1965. 389.79 Am32
Farm records and accounting.
- 51017 GAGIEV, KH. V. Serious deficiencies of the project. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:10-11. Apr.1965. 30.69 Uc4
Uniform chart of accounts for collective farms.
- 51018 GALKIN, A. F., OGHICHUK, N. F., and ANTI-PENSKII, V. E. A valuable project. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:18-19. May 1965. 30.69 Uc4
Uniform chart of accounts.
- 51019 GURIN, N. I., and TSEITLIN, M. YA. For uniformity of accounting in state and collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:11-13. May 1965. 30.69 Uc4
- 51020 HOUGHABOOM, V. R. ELFAC can save you money on income tax—it's an electronic accounting system designed for farmers. Agway Coop. 2(3):18. Mar.1966. 280,28 Ag9
Electronic farm accounting.
- 51021 KUCHINSKII, E. Z., SHARAPA, V. A., and DAVYDOVSKII, E. Our comments. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:6-7. Apr. 1965. 30.69 Uc4
Evaluation of the suggested uniform chart of accounts for collective farms.
- 51022 LAMISON, M. F., and others. Your home business center. Minn. Univ. Ext. Bull. 307, 24 p. Oct.1965. 275.29 M66S
M. L. Muller, K. H. Thomas, V. M. Ellithorpe, and J. R. Urich, joint authors.
- 51023 LITVIN, YU. YA. Half-way solution of the problem. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:23-24. May 1965. 30.69 Uc4
Uniform chart of accounts for collective farms.
- 51024 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Electronic farm accounting. La. State Univ. Ext. Publ. 1439,4 p. Oct.1965. 275.29 L93Ep
- 51025 MAKSIMENKO, G. D. Further progress is mandatory. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:14. Apr.1965. 30.69 Uc4
In relation to uniform chart of accounts for collective farms.
- 51026 MARCHENKO, A. K. Progressing toward a uniform accounting system in agriculture. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:19-20. May 1965. 30.69 Uc4
- 51027 MIKHAILOV, P. M. Positive evaluation. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:10-11. Apr.1965. 30.69 Uc4
Of uniform chart of accounts for collective farms.
- 51028 MITYUSHKIN, T. S. Reflecting the needs of daily practice. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:14-17. May 1965. 30.69 Uc4
Uniform chart of accounts for collective farms.
- 51029 MYMRIKOVA, L. S., and Khabibi, R. I. Full utilization of computer's technique in agriculture. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:30-32. May 1965. 30.69 Uc4
In accounting.
- 51030 NAGAEV, YU. A. Mathematical methods and production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:40-42. Apr.1965. 30.69 Uc4
- 51031 RAFEENKOV, I. P. Control of finances and calculation. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 3:36-38. Mar.1965. 30.69 Uc4
On collective and state farms.
- 51032 SAENKO, K. S. Growing necessity. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:25. May 1965. 30.69 Uc4
Uniform chart of accounts for collective farms.
- 51033 SCHENK, E. W. The use of electronic data processing equipment for comparing the achievements of growers. (Ge) Agrarwirtschaft 15(2):69-76. Feb.1966. 281.8 Ag826
English summary.
- 51034 SHITIKOV, D. M. Uniform chart of accounts for collective and state farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:8. Apr.1965. 30.69 Uc4
- 51035 SMIRNOVA, L. S. Essential need for a uniform accounting system for agricultural enterprises (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:15. Apr.1965. 30.69 Uc4
- Costs and Returns
- 51036 ALBERTA. DEPT. OF AGRICULTURE. FARM ECONOMICS BR. 1964 farm business report; central Alberta, Olds, Red Deer, Lacombe, Ponoka, by A. R. Jones and L. Bauer. Edmonton, 1964. 32 p. 281.9 AL16
- 51037 ALBERTA. DEPT. OF AGRICULTURE. FARM ECONOMICS BR. 1964 farm business report; Vulcan, Strathmore, by A. R. Jones and L. Bauer. Edmonton, 1964. 32 p. 284.9 AL12Alb
- 51038 ALLUMBAUGH, B. Meat must be made "product" for more profit. Nat. Provisioner 154 (11):68-69. Mar.12,1966. 286.85 N21
Beef.
- 51039 ATTONATY, J. Difficulties in the economic analysis of forage production. (Fr) Fourrages 21:44-61. Mar.1965. 60.8 F82
English summary, p.108.

- 51040 BELYI, I. N. Analysis of financial results from realizations in production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 3:29-31. Mar.1965. 30.69 Ue4
Costs and returns on state farms.
- 51041 BRAGG, D. D., and LUCKHAM, W. R. Comparative egg-production costs of layers housed in conventional and controlled-environment buildings. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):486-487,490. 1965. 290.9 Am32T
- 51042 CARPENA, O. The profitability of agriculture in southeastern Spain. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:155-161. 1964. 56.9 C332
Especially fruit industry.
- 51043 CASLER, G. L. 1965 farm business summary Cattaraugus County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 394,24 p. Jan.1966. 281.9 C81A
- 51044 CASLER, G. L. 1965 farm business summary Delaware County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 396,23 p. Jan.1966. 281.9 C81Ae
- 51045 CLARK, J. Economic results from some pig herds in the North of Scotland 1963-64 and 1964-65. N. Scot. Coll. Agr. Agr. Econ. Dep. Econ. Rep. 114,18 p. Dec.1965. 281.9 N817
- 51046 DLJK, H. VAN. Financial results of farms. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:1-5. 1965. 12 N3833J
- 51047 DONETH, J. C. Michigan farm business report for 1964. Mich. Agr. Exp. Sta. Res. Rep. 36, 8 p. 1965? 284.9 M58
General farming statistics, including costs and returns, emanating from Michigan State University Cooperative Extension Service Tel-farm.
- 51048 DUNN, J. M. Milk production costs in 1963/64. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:364-367. 1965. 281.9 Sco3S
- 51049 ELEMA, R. K., and KUYVENHOVEN, J. Rentabiliteit van de fruitteelt in het gespecialiseerde bedrijf over de jaren 1961, 1962 en 1963 [Profitability of fruit production on the specialized farm for the year 1961, 1962, and 1963]. Landbouw-Econ. Inst. Verslagen 131,45 p. June 1965. 281.9 L23V
- 51050 ELSTRAND, E. Korn- eller mjølkeproduksjon. En sammenligning av lonnsomheten [Grain or milk production. A comparison of profitability]. Oslo, 1965. 98 p. Ref. (Norges landbruksøkonomiske institutt, Oslo. Saermelding No.35) 281.9 N76
English summary.
- 51051 ERDEI, S. At the start of the vegetable growing season. (Hu) Magyar Mezogazdasag 21(5): 13-14. Feb.2,1966. 19 M27
Economic aspects.
- 51052 GATAULIN, A. M. Sebestoimost' i sovokupnye zatraty truda v proizvodstve sel'skokhozyaistvennoi produktsii [Agricultural production costs in relation to combined labor expenditures]. Moskva, Ekonomika, 1965. 188 p. S562.U4G3
- 51053 HELDER, J. F. Commercial production of rabbits. (Du) Doelmatige Veehouderij 5:99-102. Oct.1965. 49 D67
Returns.
- 51054 HENRY, P. Economic aspects of hard wheat culture in Languedoc. (Fr) Potasse 39(328): 185-187. Oct.1965. 57.8 P84
Costs and returns.
- 51055 HOU, C. C. Research on comparative profits of "Feng" pear production regions in western Taiwan. (Ch) T'ai-Wan T'e Ch'an Ts'ung K'an 14:48-70. Ref. Apr.1965. 22.5 T137
- 51056 JACKSON, J. E. Cotton picking money. Ga. Univ. Ext. Circ. 497,rev.,10 p.-folder. Aug. 1965. 275.29 G29C
Costs and returns; includes culture.
- 51057 JOGLEKAR, N. M. Cultivation costs in relation to selling costs as component of price-spread in agriculture. Nagpur Agr. Coll. Mag. 38(3):10-13. 1964/65. 107.5 N132
Field crops.
- 51058 KJAERGAARD, H. The economy in Jutland agriculture, 1964-65. (Da) Dansk Landbrug 85(2):45-48. Feb.1966. 280.28 V91
Costs and returns.
- 51059 KNUTSSON, G. Can sheep compete? (Sw) Farskotsel 45(8):246-250. 1965. 45.9 Sv2
A comparison of returns from sheep and beef cattle.
Discussion, p.254-260.
- 51060 KOLING, S. Deliver beef cattle in condition ready for slaughter. (Sw) Lantbrukstidskr. Stockholms Lan Stad 15(3):22-24. 1965. 12 L29
Returns.
- 51061 LADUE, E. L. 1965 farm business summary Broome County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 393,25 p. Jan.1966. 281.9 C81Ae
- 51062 LOOPE, K. E. What are my forages and grains worth? Va. Polytech. Inst. Ext. Va. Farm Econ. 195:10-12. Jan./Feb.1966. 275.29 V813
- 51063 MAGILL, B. F. What is a fair return on farm capital? fair wage for the farmer? Hoard's Dairyman 111(5):326-327. Mar.10,1966. Mar.10,1966. 44.8 H65
- 51064 MARZOLF, W. W. 1965 farm business summary Franklin & Clinton Counties. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 397,24 p. Jan.1966. 281.9 C81Ae
- 51065 NEDKVITNE, J. J. Place of sheep in farming under various agricultural conditions in this country. (No) Tidsskr. Norske Landbruk 72 (11):325-355. Ref. 1965. 11 T433
Returns from sheep husbandry.
- 51066 NEW ZEALAND MEAT AND WOOL BOARDS, ECONOMIC SERV. Financial analysis of New Zealand sheep farms 1963/64. New Zeal. Meat Wool Board's Econ. Serv. Bull. 12(sup.), 16 p. Dec.1965. 50.9 N483
- 51067 NILSSON, N. E. Milk and meat production combined or separate. (Sw) Kalmar Lans Hushallningssallsk. Tidskr. 4:12-20. Aug.1965. 11 K123
Returns.
- 51068 OROS, V., and CIORTEA, H. Technical and economic considerations on the culture of Cornichon cucumber variety. (Rum) Gradina, Via Livada 14(4):4-13. Apr.1965. 80 G75
- 51069 PEREZ ALVARADO, J. Cost of the apple tree cultivation. (Sp) Ingenieria Hidraul. Mex. Rev. 19(4):63-76. 1965. 290.8 In43
English summary.
- 51070 PICKEN, G. Milk production investigation 1964-65, cost structures and other figures. West Scot. Agr. Coll. Econ. Dep. Rep. 103, 36 p. 1965. 281.9 W5222
- 51071 RAYNER, M. J. The potato crop 1964 and comparison with 1963. Nottingham. Univ. Sch. Agr. Dep. Agr. Econ. Farm Manage. Notes 34:12-19. Autumn 1965. 281.9 N842
Costs and returns.
- 51072 REJLEK, F. Economics of the harvesting of potatoes. (Cz) Za Vysokou Urodu 13(8):301. Aug.2,1965. 64.8 Z12
- 51073 RENBORG, U. Utvecklingsvagar och utvecklingsproblem for de svenska lantbruksforetagen [Development policies and problems in Swedish agriculture]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 63,29 p. 1965. 11 Up62A
Chiefly returns.
- 51074 RICHNOW, H. J., and MULLER, H. Production, gross receipts and production expenditures of West German agriculture. (Ge) Agrarwirtschaft 15(2):53-69. Feb.1966. 281.8 Ag826
English summary.

- 51075 SAMVIRKDEDE LANDBOFORENINGER I FYNS STIFT. REGNSKABSUDVALGET. Landbrugets økonomi, 1964-65, belyst ved regnskabsresultater fra fynske landboforeninger, ved E. Skrubbeltrang [Farm economy, 1954-65, illustrated by accounting records from the agricultural associations of Fyn], by E. Skrubbeltrang. Odense, 1966. 237 p. 281.9 F96
- 51076 SCOTT, A. H., and HUNT, T. J. Report on farming 1963/64; a study of production and profits in the Eastern Counties. Cambridge. Univ. Sch. Agr. Farm Econ. Br. Rep. 63, 32 p., map. Apr. 1965. 281.9 C14
- 51077 SMITH, R. S., JACKSON, P., and CLEVELAND, S. 1965 farm business summary Genesee & Orleans Counties. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 398, 23 p. Jan. 1966. 281.9 C81Ae
- 51078 VEGTE, W. V. D. Variations in farm results. (Du) Neth. Rijkslandbouwwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1964:27-28. 1965. 12 N3833J
- 51079 ZHUZHA, D. I. Economic effect of preharvesting defoliation of castorbeans. (Rus) Khim. Sel'skom Khoz. 3(11):74-77. Nov. 1965. 385 K524
- Land Settlement and Colonization
- 51080 NAND, S. Fiji Islands land settlement co-operatives; a testing challenge to co-operation in its traditional forms. S. Pacific Bull. 15(2): 41-43. Apr. 1965. 280.8 So89
- 51081 WIESE, H., TAUCHER, E. H., and BERLIN, H. J. Untersuchungen über die Eingliederung Heimatvertriebener in die westdeutsche Landwirtschaft in den Jahren 1961 bis 1963 [Research on the incorporation of displaced persons in West German agriculture in the years 1961 to 1963. Agrarsoz. Ges. Materialsamml. 44, 52 p. Sept. 1965. 281.9 Ag862M
- Land Tenure
- 51082 ADAMS, D. Colombia's land tenure system: antecedents and problems. Land Econ. 42(1): 43-52. Ref. Feb. 1966. 282.8 J82
- 51083 ASADA, K. The Japanese large-scale landownership in Korea during the colonial period. 2. (Ja) Quart. J. Agr. Econ. 20(1):115-161. Jan. 1966. 22.5 N687
- 51084 CALAN, L. DE. In the research for a solution of the problem of indemnity to departing buyer. (Fr) Agr. Prat. 129(11):36-41. Dec. 1965. 14 J82
Legal aspects; for land.
- 51085 CALAN, L. DE. Study of a concrete situation: dealer lessee of a small parcel belonging to a public collectivity. (Fr) Agr. Prat. 130(1):40-43. Jan. 1966. 14 J82
Leases.
- 51086 CLIVE, A. F. L. The outlook of the agricultural landowner in the United Kingdom. Chartered Surv. 98(9):470-472. Mar. 1966. 325.8 C38
- 51087 DORE, R. P. Land reform and Japan's economic development. Developing Econ. 3(4):487-496. Dec. 1965. 280.8 F493
- 51088 DUNN, J. M. Changes in farm rents in Scotland, 1963/64. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 15:293-294. 1965. 281.9 Sco3S
- 51089 DUNNETT, E. How the farmer views the future. Chartered Surv. 98(9):473-475. Mar. 1966. 325.8 C38
Tenure, rents, and taxation.
- 51090 HAAN, P. DE. Establishment of new laws in consolidation of holdings? (Du) Pacht 25(4): 34-37. Apr. 1965. 282.8 P11
- 51091 HAWKINS, V. C. A 1737 act to the rescue. Chartered Surv. 97(8):430. Feb. 1965. 325.8 C38
Tenant and landlord agreement.
- 51092 JOHNSON, V. W. Significance of land ownership in land reform. Land Econ. 42(1):21-28. Feb. 1966. 282.8 J82
- 51093 JUDD, G. R. The agricultural surveyor and his future role. Chartered Surv. 98(9):480-482. Mar. 1966. 325.8 C38
In relation to land tenure and management.
- 51094 KEAST, J. D. Fit the lease to the farm. Doane's Agr. Rep. 23(26):20-21. Sept. 8, 1965. 281.8 D652
Legal aspects included.
- 51095 KOO, A. Y. C. Economic consequences of land reform in Taiwan. Asian Surv. 6(3):150-157. Mar. 1966. 280.8 As42
- 51096 KRUMM, G. Reorganization of the Weschnitz lowland as example of up-to-date improvement of agrarian structure. (Ge) Mitt. Deut. Landwirt.-Ges. 81(10):414-416. Mar. 10, 1966. 18 N39
Flood control and drainage, consolidation of holdings, and outsettlement.
- 51097 LARA BORRERO, O. Voluntary land allotments and the governing of Huila. (Sp) Rev. Nac. Agr. 57(720):40-43. Apr. 1965. 9.4 R32
- 51098 LINDSKOG, S. Consolidation of holdings in Nas. (Sw) Landbrukstidskr. Dalarna 78(5):144-148. 1965. 11 L29
- 51099 MOOG, K. E., KAHLKE, G., and SCHOLTENS, J. P. J. Das Grundstückverkehrsrecht der Bundesrepublik; Erfahrungen, internationaler Vergleich [The land transfer law of the Federal Republic; practices; international comparison]. Agrarsoz. Ges. Materialsamml. 33, 54 p., map. July 1964. 281.9 Ag862M
- 51100 NEUKOMM, W. The land law proposal in Switzerland. (Ge) Agrarpolit. Rev. 22(5):194-196. Jan. 1965. 281.8 Ag824
Land tenure and regional planning.
- 51101 REISS, F. J. What is a fair crop-share lease? Ill. Univ. Ext. Circ. 918, 27 p. Oct. 1965. 275.29 I162C
- 51102 SWEDEN. LANTBRUKSSTYRELSEN. 1965 års jordförvarvslag med kommentarer [The 1965 land purchasing law with commentaries]. Sweden. Lantbruksstyrelsen. Medd. Ser. C, Rationaliseringsavd. 14, 99 p. 1965. 11 Sw3Mr
- 51103 TUMA, E. H. Twenty-six centuries of agrarian reform, a comparative analysis. Berkeley, Univ. Calif. Press, 1965. 309 p. HD1251.T8
Bibliography, p. 287-297.
- 51104 VAGANOV, F. Reformation of the agriculture. (Rus) Kommunist 3:92-101. Feb. 1966. 280.8 B633
In USSR.
- 51105 VAQUER, A. Considerations on aspects of the agrarian reform. (Sp) Soc. Rural Argent. An. 99(9):14-15. Sept. 1965. 9 So1
- 51106 VAQUER, A. Land tenure: leases. (Sp) Soc. Rural Argent. An. 99(9):15, 17-18. Sept. 1965. 9 So1
- 51107 WEISS, A. Up-to-date agrarian structure in Baar. (Ge) Mitt. Deut. Landwirt.-Ges. 81(9): 351-354. Mar. 3, 1966. 18 N39
Farm size, consolidation of holdings, and outsettlement.
- Land Utilization
- 51108 AMIRAN, D. H. K. Arid zone development: a reappraisal under modern technological conditions. Econ. Geogr. 41(3):189-210, map. Ref. July 1965. 278.8 Ec7
Land utilization in Israel.
- 51109 BIERMA, A. Recreation and education. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 77 (1):8-17. Jan. 1966. 12 N282
Courses in landscape and recreation at the Higher and Middle Forestry and Land Management Research School [Hogere en Middelbare Bosbouw en Cultuurtechnische School].

- 51110 CLEARWATER, T. P. The Waihopai River Improvement Scheme, Southland. Soil Water 2(2):9-12. Dec.1965. 56.8 So323
Land classification.
- 51111 COLWELL, R. N. Spectrometric considerations involved in making rural land use studies with aerial photography. Photogrammetria 20(1):15-33. Ref. Feb.1965. 325.28 P562
- 51112 GREEN, W. A. "Comprehensive" river basin planning in the United States. Great Plains Agr. Coun. Proc. 1965:83-94. 282.9 G7992
Land and water resource use.
- 51113 HAMOR, W. H. Income from hunting rights; sportsmen turn to pay-as-you-go recreation where landowners provide for wildlife. Soil Conserv. 31(8):175-176. Mar.1966. 1.6 So3S
- 51114 HARPER, R. A., SCHMUDE, T. H., and THOMAS, F. H. Recreation based economic development and the growth-point concept. Land Econ. 42(1):95-101. Feb.1966. 282.8 J82
Recreation as a major economic opportunity in reviving rural areas.
- 51115 HIGDON, H. Conservation faces its moment of truth. Today's Health 44(3):51,83-86,89. Mar.1966. 449.8 H993
Includes the use of land.
- 51116 KING, K. F. S. Conflicting demands for land. Unasylva 19(4):195-199,202. 1965. 99.8 Un1
Land classification in relation to various uses.
- 51117 KNETSCH, J. L. Potentials of water-based recreation. N. C. State Univ. Agr. Policy Inst. Ser. 16:43-51. Aug.1965. 281.9 N8122
- 51118 LENTZ, A. N., and DUPRAS, C. A. Community saves park; how one small town in New Jersey is making a three-hundred-acre wildlife refuge pay multiple dividends. Ext. Serv. Rev. 37(2):11-13. Feb.1966. 1 Ex892Ex
- 51119 LINDSAY, J. J. Vermont vacation homes. Vt. Farm Home Sci. 8(2):8-9. Fall 1965. 100 V593
- 51120 MANUEL, F. Protection of nature and land-use planning. (Fr) Schweiz. Naturschutz 31(3):77-81. June 1965. 279.8 Sch9
- 51121 MAROCCHI, G. Administration of the cadaster and technical fiscal services in its history and current functions. (It) Riv. Catasto Serv. Tec. Erariali (n.s.)19(3/4):127-161. 1964. 280.8 R523
- 51122 MISEK, J. Non-agricultural land use demand strong in New England. Rural Realtor 18(1):3. Jan.1966. 282.8 R88
- 51123 NIKOLENKO, G. S. Evaluation of lands in the north Kazakhstan Region. (Rus) Vest. Sel'sko-khoz. Nauk. [Moscow] 1:104-111. Jan.1966. 20 V633
English summary.
- 51124 PAN AMERICAN UNION. Indice anotado de los trabajos aerofotograficos y los mapas topograficos y de recursos naturales realizados en los paises de la America Latina, miembros de la OEA. Annotated index of aerial photographic coverage and mapping of topography and natural resources undertaken in the Latin American member countries of the OAS. 16. Washington, D. C., 1965. 28 p. 150.9 P192
Text also in Spanish.
Vegetation, land use, and forests included.
- 51125 PAN AMERICAN UNION. Indice anotado de los trabajos aerofotograficos y los mapas topograficos y de recursos naturales realizados en los paises de la America Latina, miembros de la OEA. Annotated index of aerial photographic coverage and mapping of topography and natural resources undertaken in the Latin American member countries of the OAS. 17. Washington, D. C. 1965. 33 p.,map. 150.9 P192
Text also in Spanish.
Vegetation, land use, and forests included.
- 51126 RANDALL, C. E. First year for the sticker. J. Forest. 64(2):87-91. Feb.1966. 99.8 F768
Land and Water Conservation Fund Act.
- 51127 SAHAI, R. Some practical suggestions for increasing food production in India. Indian Forest. 92(1):12-15. Jan.1966. 99.8 In2
Shifting cultivation aspects on forest lands.
- 51128 SNYDER, J. H. A new program for agricultural land use stabilization: the California Land Conservation Act of 1965. Land Econ. 42(1):29-41. Ref. Feb.1966. 282.8 J82
- 51129 SRINIVASAN, M., MEENAKSHISUNDARAM, V., and SUBRAMANIAM, S. R. Pattern of land utilization in the Parambikulam - Aliyar Project region. Madras Agr. J. 52(12):516-520. Dec.1965. 22 M262
- 51130 STEINER, D. Airphoto-applications for rural land use studies; preface. Photogrammetria 20(1):13. Feb.1965. 325.28 P562
- 51131 VANZETTI, C. Data on administrative changes and land use in Verona. (It) Verona. Accad. Agr. Sci. Lett. Atti. Mem. (ser.6)15:31-37. 1963/64,pub.1965. 16 V59
- 51132 WALZER, The cultivation of waste land in Austria. (Ge) Landarb.-Arch. 20(11/12):208-214. Nov./Dec.1965. 283.8 L23
Reclamation, consolidation of holdings, equipment policy, and costs of farming.
- 51133 WELLMAN, B. Legal responsibilities of Maine land owners to the general public. Amer. Pulpwood Ass. Tech. Pap., Jan.1966:27-28. 99.9 Am33Te
In relation to recreational use.
- 51134 WILBER, R. E. Pattern for land-use planning. Our Publ. Lands 15(1):7-10. Summer 1965. 156.55 Ou7
Urbanization of Nevada.
- Land Values and Valuation
- 51135 ANDREWS, F. B., and WOOTEN, A. B. What's happening in the Texas farm and ranch land market. Tex. Agr. Exp. Sta. B-1042,11 p.,map. Sept.1965. 100 T31S
Published jointly with Texas Agricultural Extension Service.
Analysis of data taken from warranty deed records; price per acre, type-of-farming area, financing.
- 51136 EKEN, G. The new land purchasing law. (Sw) Vastmanlands Lans Hushallningssaisk. Tidskr. 3:5-6,8-10,12. 1965. 11 V44T
- 51137 FAZIO, S. D. Contribution of a Sicilian author of the second half of the nineteenth century to the development of appraisal theory: Nunzio Ziino. (It) Riv. Catasto Serv. Tec. Erariali (n.s.)19(1/2):22-28. Ref. 1964. 280.8 R523
- 51138 NIESLEY, P. L. A. Land appreciation opportunities abound in Northeastern region. Rural Realtor 18(1):5. Jan.1966. 282.8 R88
- 51139 RAMASUBRAMANIAM, K. A. High land values hinder urban planning. Yojana 9(17):2-3,28. Aug.29,1965. 280.8 Y7
In India.
- 51140 SANDAGE, D. Land values hold strong in agricultural Midwest. Rural Realtor 18(1):6. Jan.1966. 282.8 R88
- 51141 SIMON, G. A. 1966 outlook land and agriculture mixed for southeastern region. Rural Realtor 18(1):7. Jan.1966. 282.8 R88
Chiefly land values.
- 51142 SKOVBAEK, J. Preservation of farmer ownership and the summer home problem. (Da) Tolvmandsbladet 37(8):377-384. Aug.1965. 11 T58
Effects on prices of competition between farmers and non-farmers for land.
- 51143 SWIERENGA, R. P. Land speculator "profits" reconsidered: central Iowa as a test case. J. Econ. Hist. 26(1):1-28,map. Mar.1966. 277.8 J822
- 51144 THOMPSON, A. C. Land prices in the Mid-South overall index expected to level out. Rural Realtor 18(1):4. Jan.1966. 282.8 R88

- 51145 VIGNATI, Z. The appraisal of small plots of land. (It) *Genio Rurale* 28(7/8):587-591. July/Aug.1965. 281.8 R522
- 51146 WATKINS, L. V., and TWEETEN, L. G. Oklahoma real estate market in national perspective. *Okla. Curr. Farm Econ.* 38(4):114-122, map. Dec.1965. 100 Ok4
- 51147 ZUCCONI, G. Toward a more exact definition of appraisal judgment. (It) *Genio Rurale* 28(12):1055-1064. Dec.1965. 281.8 R522

POPULATION

- 51148 BERLIN. STATISTISCHES LANDESAMT. Ergebnisse der Volks- und Berufszahlung in Berlin (West) am 6. Juni 1961. II. Teil, Heft 2 [Results of the population and occupational census in Berlin (West) of June 6, 1961, Part II, No. 2]. Berlin. Statist. Sonderh. 126,199 p. Nov.1965. 265 B453A
Includes population engaged in agriculture.
- 51149 BERLIN. STATISTISCHES LANDESAMT. Ergebnisse der Volks- und Berufszahlung in Berlin (West) am 6. Juni 1961. II. Teil, Heft 3 [Results of the population and occupational census in Berlin (West) of June 6, 1961, Part II, No. 3]. Berlin. Statist. Sonderh. 127,237 p. Nov.1965. 265 B453A
Includes population engaged in agriculture.
- 51150 CHOLDIN, H. M. Pilot project in family planning. *Pakistan Acad. Rural Develop. Annu. Rep.* 6:70-72. 1965. 281.29 P172A
- 51151 FUGUITT, G. V., and DEELEY, N. A. Retail service patterns and small town population change: a replication of Hassinger's study. *Rural Sociol.* 31(1):53-63. Mar.1966. 281.28 R88
- 51152 HOLLER, J. E. Population trends and economic development in the Far East. Washington, Population Res. Proj., George Wash. Univ., 1965. 56 p. HB3635.H6
Agricultural and rural population included. Bibliography, p.51-56.
- 51153 SAPOUNTZAKES, G. E. Population; first and important national problem. (Gre) Athens. *Emporikon Biomechanikon Epimeleterion. Delt.* 41(1):29-32. Jan.1966. 286.9 At4
- 51154 STOCKWELL, E. G. Abridged life tables, by sex, for Connecticut: 1959-1961. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 10,44 p. July 1965. 100 C76Re
- 51155 STOCKWELL, E. G., and GOLDSMITH, H. F. Population mobility in Connecticut and the Northeast Region. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 11,57 p. Oct.1965. 100 C76Re
- 51156 STRAMLER, A. A. California's population explosion puts squeeze on land and agriculture. *Rural Realtor* 18(1):2. Jan.1966. 282.8 R88
- 51157 TOLLEY, G. S., and MATTHEWS, J. C. Migration adjustments in relation to the pattern and pace of southern growth. N. C. State Univ. Agr. Policy Inst. Ser. 15:47-53. May 1965. 281.9 N8122
- 51158 TRAVER, J. D. Locational aspects of population densities, farm sizes, and farm land values. *Rural Sociol.* 31(1):40-52, map. Mar. 1966. 281.28 R88
- 51159 VAQUER, A. Recommended solutions for lessening the rural exodus. (Sp) Soc. Rural Argent. An. 99(11):15-16. Nov.1965. 9 So1

RURAL SOCIAL ORGANIZATION

- 51160 CALLISON, J. C. Relationships between welfare and human resource adjustment problems: dimensions of response. N. C. State Univ. Agr. Policy Inst. Ser. 15:69-80. May 1965. 281.9 N8122
Social welfare and employment.
- 51161 HENKEL, R. E., and FUGUITT, G. V. Nonfarm work and the social relations of farmers. *Rural Sociol.* 31(1):80-88. Mar.1966. 281.28 R88

- 51162 NAMBOODIRI, N. K. A contribution to the study of within-urban and within-rural differentials. *Rural Sociol.* 31(1):29-39. Mar.1966. 281.28 R88
Social and economic characteristics of population according to size of community in India.
- 51163 PLOCH, L. A. A comparison of the social characteristics of Maine's contract and independent table-egg producers. *Maine. Agr. Exp. Sta. Misc. Publ.* 670,29 p. Nov.1965. 100 M28S
- 51164 TURTON, A. J. The culture and habits of the Bantu as they affect the relationship with his European employer. *Dairy Indus. J. Southern Afr.* 5(1):27,29-31,33-36. Jan./Mar.1965. 44.8 D1428
Includes discussion.
- 51165 WATTERS, R. F. Peasant life in the Peruvian Andes. *New Zeal. Geogr. Soc. Rec.* 39:1-3. Jan./June 1965. 331.9 N48
- 51166 WEINTRAUB, D., and BERNSTEIN, F. Social structure and modernization: a comparative study of two villages. *Amer. J. Sociol.* 71(5):509-521. Mar.1966. 280.8 Am3
In Israeli cooperative settlements.
- 51167 WICHERS, A. J. De oude plattelandsbesaving [Old peasant culture]. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 673,285 p., map. Ref. 1965. 105.2 V61V
English summary.
Bibliography, p.281-285.

Human Ecology

- 51168 AGRARSOZIALE GESELLSCHAFT. Strukturgutachten fur die Gemeinde Schonberg /Kreis Plon (Agrarstrukturelle grossraumige Vorplanung) [Structural decisions for the Schonberg/Plon district community (preplanning of agricultural structure for large regions)]. Agrarsoz. Ges. Materialsamml. 38,45 p., map. Oct.1964. 281.9 Ag862M
- 51169 CARROLL, R. L., and WHEELER, R. H. Metropolitan influence on the rural nonfarm population. *Rural Sociol.* 31(1):64-73. Mar. 1966. 281.28 R88
Settlement pattern.
- 51170 EVERSOLEY, D. E. C. Regional planning in England. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 16(1):1-22. Ref. Jan.14,1966. 280.9 B643I
- 51171 FOLSE, C. L. Growth and decline of Illinois villages, 1950 to 1960. *Ill. Agr. Econ.* 6(1):11-16. Jan.1966. 281.9 IL6I
- 51172 HANSEN, N. M. Some neglected factors in American regional development policy: the case of Appalachia. *Land Econ.* 42(1):1-9. Ref. Feb.1966. 282.8 J82
Under the Appalachian Regional Development Act of 1965.
- 51173 LEHMAN, H. The new model of territorial planning in central Germany. (Ge) Bad Godesberg. Inst. Raumforsch. Inform. 15(22):715-737, map. Nov.30,1965. 280.9 B643I
- 51174 MARRITZ, B. A visit to TVA—resource Utopia. *Rural Elec.* 23(11):23-25,60. Aug.1965. 335.8 N21
- 51175 MAYO, S. C., and MARSH, C. P. Community development. In Sanders, H. C., ed. *The Co-operative Extension Service*, p.291-303. Ref. 1966. S544.S2
- 51176 MCLOUGHLIN, P. F. M. Development policy-making and the geographers' regions: comments by an economist. *Land Econ.* 42(1):75-84, map. Feb.1966. 282.8 J82
- 51177 PEARL, S. Those jackrabbit communities. *Our Publ. Lands* 15(1):17-18. Summer 1965. 156.55 Ou7
Community planning in California.
- 51178 QUIDDE, F. Planning for the agricultural structure framework. (Ge) *Raumforsch. Raumordnung* 23(4):239-243. Dec.1965. 282.9 R19

- 51179 WILMER, H. H. Regional economic planning; possibilities and limits of application in the present situation of the Spanish economy. (Sp) *Economia* [Madrid] 17(82/83,sup.):7-86, map. July/Dec.1964. 280.8 Ec7222
Bibliography, p.81-86.

Institutions

- 51180 AGING population, a major concern of Texans. *Tex. Agr. Progr.* 12(1):21-23. Winter 1966. 100 T31Te
- 51181 AHMED, T. Women's programme. *Pakistan Acad. Rural Develop. Annu. Rep.* 6:64-69. 1965. 281.29 P172A
- 51182 ARBOUR, M. B. News stories, feature stories, newspaper columns, and special newspaper pages. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.182-192. 1966. S544.S2
- 51183 ASLAM, A. K. M. Training. *Pakistan Acad. Rural Develop. Annu. Rep.* 6:4-9. 1965. 281.29 P172A
- 51184 ASSOCIACAO BRASILEIRA DE CREDITO E ASSISTENCIA RURAL. Sistema Brasileiro de extensao rural [Brazilian system of rural extension]. *Ass. Brasil. Credito Assistencia Rural Ser. D-28,43 p.* Nov.1965. 284.29 As72
- 51185 BACKUS, L. K. After 65. *Mich. State Univ. Ext. Ext. Bull.* 496,5 p.-folder. Nov.1965. 275.29 M58B
Old age and retirement.
- 51186 BACKUS, L. K. Before 65. *Mich. State Univ. Ext. Ext. Bull.* 495,6 p.-folder. Nov.1965. 275.29 M58B
Old age and retirement.
- 51187 BAY, O. Good public relations; how to keep mass media interested. *ACE (Amer. Ass. Agr. Coll. Editors)* 48(3):7-8. Nov./Dec.1965. 238 Am33A
- 51188 BENEYTO, R. Higher agricultural education in Spain. (Ge) *Diplomlandwirt* 16(2):34,36. Feb.1966. 18 D62
- 51189 BERENTSCHOT, J. Farm management and extension. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer* 1964:44-46. 1965. 12 N3833J
- 51190 BERENTSCHOT, J. 25 years of the "De Eendracht" Association for Extension [Vere-niging voor Bedrijfsvoorlichting "De Eendracht"]. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer* 1964:50-53. 1965. 12 N3833J
- 51191 BERRY, C. M. Organized research in agricultural health and safety. *Nat. Health* 55(3):424-428. Mar.1965. 449.9 Am3J
- 51192 BIBLE, B. L., and MCNABB, C. G. Role consensus and administrative effectiveness. *Rural Sociol.* 31(1):5-14. Mar.1966. 281.28 R88
Extension work.
- 51193 BLOMBERG, C. Reapportionment—what can rural people do about it? *Rural Elec.* 23(10):20-21. July 1965. 335.8 N21
State government.
- 51194 BOONE, E. J., and KINCAID, J. Historical perspective of the programming function. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.89-93. 1966. S544.S2
- 51195 BUCKLAND, M. Arts and crafts fair. *Ext. Serv. Rev.* 37(2):7. Feb.1966. 1 Ex892Ex
Vermont.
- 51196 CALIFORNIA. UNIVERSITY, RIVERSIDE. AGRICULTURAL LIBRARY. List of serials in the Agricultural Library, June 30, 1965, by J. Johnson. *Riverside, Calif.*, 1965. 165 p. Z6941.C3
- 51197 CLARK, R. C. Organization for the work. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.33-47. Ref. 1966. S544.S2
- 51198 CLARKE, R. T. The presentation of numerical results of experiments for publication in scientific agricultural journal. *Exp. Agr.* 1(4):315-319. Oct.1965. 10 Ex72
- 51199 CLAY, E. W. List of available publications of the United States Department of Agriculture. U. S. D. A. List 11,115 p. Jan.1966. 1 P96Lf
- 51200 CLERC, H. The Center of Professional Promotion of Fruit and Vegetable Cooperatives of Oriental Pyrenees [Centre de Promotion Professionnelle des Cooperatives de Fruits et Legumes des Pyrenees Orientales]. (Fr) *Coop. Agr. [Paris]* 12(137):23-24. June 1965. 280.28 C78972
In France.
- 51201 COLLINGS, M. L. Personnel training and development. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.391-402. Ref. 1966. S544.S2
- 51202 COOK, B. D. Result demonstrations and result-demonstration meetings. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.128-136. 1966. S544.S2
- 51203 COPELAND, O. B. Public relations. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.375-387. Ref. 1966. S544.S2
- 51204 COWDEN, L. V. Method demonstrations and method-demonstration meetings. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.137-144. Ref. 1966. S544.S2
- 51205 CUMMINGS, R. Rockefeller Foundation for Agriculture in India. *Bharat Krishak Samaj. Year Book* 1964:596-598. 22 B46
Education.
- 51206 DAVIES, A. J. The National Agricultural Advisory Service. *Chartered Surv.* 98(9):478-480. Mar.1966. 325.8 C38
- 51207 DEY, S. K. A nation prepares the task and the goal. *Kurukshetra* 14(2):5-6. Nov.14,1965. 281.28 K96
Panchayati Raj.
- 51208 DONNERSMARK, G. GRAF H. VON. Education of the academic rising generation of agriculture in the Netherlands. (Ge) *Diplomlandwirt* 15(5):115-116. May 1965. 18 D62
- 51209 DOUGLAS, L. A. Vudal Agricultural College. *S. Pacific Bull.* 15(4):38-39,46. Oct.1965. 280.8 So89
- 51210 DUMUID, P. What is the state of Vaud agricultural extension? (Fr) *Agr. Romande (ser.B)* 4(10):74-76. Oct.1965. 17 Ag8
- 51211 ENSMINGER, D. The Ford Foundation in India. *Bharat Krishak Samaj. Year Book* 1964:592-595. 22 B46
- 51212 FESSLER, D. R. Meetings. In Sanders, H. C., ed. *The Cooperative Extension Service*, p.145-151. 1966. S544.S2
- 51213 FINK, E. Rapport au Gouvernement du Liban sur l'enseignement agricole [Report to the Government of Lebanon on agricultural education]. *Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 2003,9 p. 1965. 281.9 F733E
- 51214 FLIEGEL, F. C. Literacy and exposure to instrumental information among farmers in southern Brazil. *Rural Sociol.* 31(1):15-28. Mar.1966. 281.28 R88
- 51215 FORSWALL, A. R. Yellowstone extension homemakers have diverse public affairs interests. *Ext. Serv. Rev.* 37(2):14-15. Feb.1966. 1 Ex892Ex
- 51216 GAGSTATTER, H. Education encompasses the whole man. (Ge) *Forderungsdienst* 13(7):217-218. July 1965. 19 F75
Austria.
- 51217 GEISSLER, F. First aid—also a problem of transportation. (Ge) *Landarb.-Arch.* 20 (11/12):234-236. Nov./Dec.1965. 283.8 L23
- 51218 GOIDANICH, G. The duties of academies in the present time. (It) *Accad. Naz. Agr. Ann.* 76:3-6. 1965. 16 B632A

- 51219 GREENE, J. Library service to migrants; Door County Library migrant program. Wis. Libr. Bull. 62(1):19-21. Jan./Feb.1966. 243.8 W75
- 51220 GWIN, P., and ROGERS, F. E. A role in world affairs at M.U. [University of Missouri]. Mo. Agr. Exp. Sta. Bull. B-841, 11 p., map. Feb. 1966. 100 M693
Program for Indian educators under the Technical Assistance Program.
- 51221 HANDBUCH für Betreuer und Lehrer für den polytechnischen Unterricht in sozialistischen Landwirtschaftsbetrieben [Handbook for assistants and teachers in polytechnical education on socialist farms], edited by I. Enger. Berlin, Volk und Wissen, 1965. 235 p. S535.G3H3
Chapters by F. Postler, G. Wettstadt, S. Hanns, E. Szerreiks, W. Kluthe, W. Scholz, F. Richter, J. Howe, G. Hehl, W. Ptak, H. Gossiau, I. Zettler, R. Bergmann, and W. Sturm.
- 51222 HATCH, J. C. Radio. In Sanders, H. C., ed. The Cooperative Extension Service, p.215-224. 1966. S544.S2
- 51223 HAUSCHILD. Academic education of the farmer in Austria. (Ge) Dipl. Landwirt 16(2):36, 38. Feb.1966. 18 D62
- 51224 HEBER, H. The agricultural graduate in extension. (Ge) Betriebswirtsch. Mitt. Wirtschaftsbereiter 133:17-20. Oct.15,1965. 281.8 B462
- 51225 HELD, O. The education of the academic rising generation of agriculture in Sweden. (Ge) Dipl. Landwirt 15(12):294,296. Dec.1965. 18 D62
- 51226 HERNANDEZ CARDENAS, M. The areas of study and development as instruments connecting the faculties of agronomy with the farm. (Sp) Agr. Trop. 21(7):359-364. July 1965. 26 Ag8
- 51227 HEYWOOD, E. Home-demonstration clubs and councils. In Sanders, H. C., ed. The Cooperative Extension Service, p.251-260. 1966. S544.S2
- 51228 HINRICHSSEN, K. Why occupational competition of German farm youth? (Ge) Ausbildung Beratung Land- Hauswirtsch. 18(7):146-147. July 1965. 18 N11
- 51229 IZMIRLIAN, H. Dynamics of political support in a Punjab village. Asian Surv. 6(3):125-133. Mar.1966. 280.8 As42
- 51230 JONES, J. H. Group discussion. In Sanders, H. C., ed. The Cooperative Extension Service, p.331-338. 1966. S544.S2
- 51231 JONES, J. H. Sociological implication in extension. In Sanders, H. C., ed. The Cooperative Extension Service, p.69-86. Ref. 1966. S544.S2
- 51232 KAMAT, G. S. Co-operatives in the decentralized sector. Maharashtra Co-op. Quart. 48 (ser.4):233-237. Apr.1965. 280.28 B63
Panchayati Raj.
- 51233 KANSAS. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Your career as an extension agent. Kans. State Univ. Agr. Ext. L-186, 6 p.-folder. Nov.1965. 275.29 K13Le
- 51234 KAPPENSTEIN, L. The graduate agriculturist in development assistance. (Ge) Dipl. Landwirt 15(5):113-114,116. May 1965. 18 D62
- 51235 KELLOGG, C. E., and KNAPP, D. C. The college of agriculture; science in the public service. New York, McGraw-Hill, 1966. 237 p. (Carnegie Series in American Education) S533.K4
Bibliography, p.216-221.
- 51236 KREUZIGER, E. The sound film projector—an important device for teacher and extension worker. (Ge) Forderungsdienst 13(7):233-239. July 1965. 19 F75
- 51237 KROLL, A. Turkish agricultural problems; schooling of farmers provides the greatest concern. (Ge) Landarb.-Arch. 20(11/12):226-228. Nov./Dec.1965. 283.8 L23
- 51238 LANCASTER, J. J. Non-extension organizations. In Sanders, H. C., ed. The Cooperative Extension Service, p.276-283. 1966. S544.S2
Extension work cooperation with organizations and churches.
- 51239 LAWSON, W., and DAIL, H. Cross-county arrangements make for efficiency. Ext. Serv. Rev. 37(2):3-6, map. Feb.1966. 1 Ex892Ex
Extension programs in California.
- 51240 LEFEBURE, H. Application of research and dissemination of results; connection with extension. (Fr) Agron. Trop. [Paris] 20(10): 1052-1053. Oct.1965. 26 Ag86
Africa.
- 51241 MAGRABI, F. M., and KING, M. P. Socioeconomic situation of selected Michigan State University alumni after six to seven years. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):215-230. Ref. Nov.1965. 100 M58S
- 51242 MAURITIUS CHAMBER OF AGRICULTURE. The president's report 1964-1965. Rev. Agr. Sucriere Ile Maurice 44(4):203-215. Oct/Dec. 1965. 24 M44
- 51243 MCCURKIN, W. D. Nature, pace, and needs in southern education. N. C. State Univ. Agr. Policy Inst. Ser. 15:81-89. May 1965. 281.9 N8122
- 51244 MCCORMICK, R. W. Office calls, telephone calls, mail request, and answering sets. In Sanders, H. C., ed. The Cooperative Extension Service, p.122-127. 1966. S544.S2
- 51245 MEHTA, T. R. Extension work in India. Bharat Krishak Samaj. Year Book 1964:255-261. 22 B46
- 51246 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Summary of laws relating to local parks and recreation, State of Michigan, 1965. Mich. State Univ. Ext. Bull. 515, 27 p. Dec.1965. 275.29 M58B
- 51247 MORATAYA, A. The importance of public health in rural areas. (Sp) Rev. Cafetalera 46:25-26. June 1965. 68.28 R322
Guatemala.
- 51248 MUELLER, E. W. Legislative apportionment. Town Country Church 182:5. May/June 1965. 281.28 T66
- 51249 MUELLER, R. World hunger. Limestone 2 (5):12-13,15. Sept.1965. 294.8 L62
Role of church in overcoming hunger.
- 51250 MUYEED, A., and HUQ, A. B. M. N. Communication, publications and library. Pakistan Acad. Rural Develop. Annu. Rep. 5:17-24. 1965. 281.29 P172A
- 51251 MUYEED, A. Rural education. Pakistan Acad. Rural Develop. Annu. Rep. 6:55-63. 1965. 281.29 P172A
- 51252 NANAVALTY, M. C. Challenge for rural youth. Kurukshetra 14(2):22-24. Nov.14,1965. 281.28 K96
Activities in India.
- 51253 NEJEZ, M. The promotion of rural domestic economy in Austria. (Ge) Forderungsdienst 13(7):221-224. July 1965. 19 F75
- 51254 NETHERLANDS. RIJKSLANDBOUWCONSULENT, UTRECHT. Bedrijfsvoorlichting; jaar-nummer; Landbouwverslag 1964 [Bedrijfsvoorlichting; annual issue; agricultural report 1964]. Utrecht, 1965. 64 p. 12 N3833J
- 51255 NICARAGUA. MINISTERIO DE AGRICULTURA Y GANADERIA. Asi trabaja extension agricola [This is the way agricultural extension works]. Nicaragua. Min. Agr. Ganad. Serv. Ext. Agr. Circ. 51, 24 p., map. Jan.1964. 275.249 N51
- 51256 NIETO ARTETA, T. Agricultural extension. (Sp) Agr. Trop. 21(11):747-749. Nov.1965. 26 Ag8
Colombia.
- 51257 NILSSON, F. Alnarp in its new shape. (Sw) Fruktodlaren 36(5):88-90. June 1965. 86 Sv2F
- 51258 NOORDHOFF, L. J. Bulletins, leaflets, and circulars. In Sanders, H. C., ed. The Cooperative Extension Service, p.206-214. 1966. S544.S2

- 51259 PATEL, M. D. Institute of Agriculture, Animal Husbandry and Dairying, Anand. Bharat Krishak Samaj. Year Book 1964:574-579. 22 B46 Teaching.
- 51260 PATTERSON, A. V. Visual aids. In Sanders, H. C., ed. The Cooperative Extension Service, p.233-250. Ref. 1966. S544.S2
- 51261 PESSON, L. L. Extension program planning with participation of clientele. In Sanders, H. C., ed. The Cooperative Extension Service, p.94-109. 1966. S544.S2
- 51262 PESSON, L. L. The plan of work. In Sanders, H. C., ed. The Cooperative Extension Service, p.352-360. Ref. 1966. S544.S2
- 51263 PICCOT, F. Relations between research, education, home economics, administration, and agricultural extension. (Fr) Agr. Romande (ser.B)4(10):72-74. Oct.1965. 17 Ag8
- 51264 POORBAUGH, H. J. Tours and field days. In Sanders, H. C., ed. The Cooperative Extension Service, p.152-160. 1966. S544.S2
- 51265 PRICE, R. K. Campaigns. In Sanders, H. C., ed. The Cooperative Extension Service, p.311-314. 1966. S544.S2
- 51266 RAHMAN, A. T. R. Rural administration. Pakistan Acad. Rural Develop. Annu. Rep. 6: 28-34. 1965. 281.29 P172A
- 51267 RAMSAY, A. M. The development and use of recreation. Agr. Gaz. New S. Wales 76(12): 759-762. Dec.1965. 23 N472
- 51268 RAUSCHER, R. Practice in agricultural vocational schools. (Ge) Forderungsdienst 13(7): 219-221. July 1965. 19 F75 Austria.
- 51269 READ, H. Reaching people by direct mail. In Sanders, H. C., ed. The Cooperative Extension Service, p.193-198. Ref. 1966. S544.S2
- 51270 REITZ, G. Problems of practical vocational education and foreign practice work. (Ge) Ausbildung Beratung Land- Hauswirtsch. 18 (7):139-140. July 1965. 18 N11
- 51271 RENNHOFFER, A. Extension work and labor situation in the household. (Ge) Forderungsdienst 13(7):225-230. July 1965. 19 F75 Austria.
- 51272 RHEINWALD, H. The function of extension in the promotion of agriculture. (Ge) Ausbildung Beratung Land- Hauswirtsch. 18(7):142-144. (Cont.) Ref. July 1965. 18 N11
- 51273 ROEDER, R. Library service to migrants in Dodge County. Wis. Libr. Bull. 62(1):22-24. Jan./Feb.1966. 243.8 W75
- 51274 RYDA, K. Education of adult farmers. (Sw) Kalmar Lans Hushallningssallsk. Tidskr. 4: 4-6. Aug.1965. 11 K123
- 51275 SABROSKY, L. K. Evaluation. In Sanders, H. C., ed. The Cooperative Extension Service, p.339-351. Ref. 1966. S544.S2 Of extension education.
- 51276 SANDERS, H. C. A brief history. In his Cooperative Extension Service, p.13-24. Ref. 1966. S544.S2
- 51277 SANDERS, H. C., ed. The Cooperative Extension Service. Englewood Cliffs, N. J., Prentice-Hall, 1966. 436 p. Ref. S544.S2
- 51278 SANDERS, H. C. The legal base, scope, functions, and general objectives of extension work. In his Cooperative Extension Service, p.25-32. 1966. S544.S2
- 51279 SANDERS, H. C., and MAUNDER, A. H. Why an extension service today? In Sanders, H. C., ed. The Cooperative Extension Service, p.3-12. 1966. S544.S2 In the United States and abroad.
- 51280 SCHILD, D. T. Exhibits, fairs, and festivals. In Sanders, H. C., ed. The Cooperative Extension Service, p.199-205. Ref. 1966. S544.S2
- 51281 STEDING, R. Agricultural extension through market organisms. (Ge) Deut. Landwirt. 17(1): 15-17. Jan.1966. 18 D4822
- 51282 SULAYMAN, M. The Antigonish approach to social reconstruction. Pakistan Acad. Rural Develop. J. 5(2):86-91. Oct.1964. 281.29 P17 Extension work in Canada.
- 51283 SWANSON, H. B. What is a professional? ACE (Amer. Ass. Agr. Coll. Editors) 48(3):3-4. Nov./Dec.1965. 238 Am33A Journalism as an occupation.
- 51284 TASKERUD, E., SCHEEL, J. W., and PEASE, W. F. Contests and achievement days. In Sanders, H. C., ed. The Cooperative Extension Service, p.167-181. Ref. 1966. S544.S2
- 51285 TONKIN, J. D. Television. In Sanders, H. C., ed. The Cooperative Extension Service, p.225-232. 1966. S544.S2
- 51286 WARFIELD, F. F. Serving special-interest groups through workshops, clinics, schools, and short courses. In Sanders, H. C., ed. The Cooperative Extension Service, p.161-166. Ref. 1966. S544.S2
- 51287 WARNER, K. F. Visits. In Sanders, H. C., ed. The Cooperative Extension Service, p.115-121. 1966. S544.S2
- 51288 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. 4-H child care project, leaders' guide. Wash. State Univ. Ext. E. M. 1129, rev., 2 p. Nov.1965. 275.29 W27Mi
- 51289 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is Turkey. Wash. State Univ. Ext. E. M. 2440, rev., 4 p., map. Jan.1966. 275.29 W27Mi
- 51290 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is Venezuela. Wash. State Univ. Ext. E. M. 2591, 2 p., map. Nov.1965. 275.29 W27Mi
- 51291 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State 4-H Club record; recreation record. Wash. State Univ. Ext. E. M. 2038, 2 p. Oct.1965. 275.29 W27Mi
- 51292 WEHLAND, W. The structure of agricultural periodicals in the Federal Republic of Germany. (Ge) Diplomlandwirt 16(2):29-30, 32. Feb.1966. 18 D62
- 51293 WEJHULLAH, A. K. M. East Pakistan Cooperative College. Pakistan Acad. Rural Develop. Annu. Rep. 6:25-27. 1965. 281.29 P172A
- 51294 WELCH, H., and RAUDABAUGH, J. N. Reporting. In Sanders, H. C., ed. The Cooperative Extension Service, p.363-374. 1966. S544.S2
- 51295 WILLIAM-ENGELS, L. Contribution to the history of the Alumni Association of the Gembloux Agricultural Institute [Association des Ingenieurs Sortis de l'Institut Agronomique de Gembloux]. (Fr) Ann. Gembloux 71(4):267-302. Fourth Q.1965. 13 G28
- 51296 WILLIAMS, O. G. Recommendations for an improved extension service in New Zealand. Massey Univ. Dairyfarming Annu. 1965:67-72. 44.9 M382
- 51297 YORK, E. T. A look to the future. In Sanders, H. C., ed. The Cooperative Extension Service, p.405-414. Ref. 1966. S544.S2 Leadership
- 51298 KAUR, M. Training village women for leadership. Bharat Krishak Samaj. Year Book 1964: 167-171. 22 B46
- 51299 KRAMBACH, K. Problems of socialist leadership in agriculture. (Ge) Deut. Landwirt. 17 (1):1-4. Jan.1966. 18 D4822
- 51300 TRENT, C. Lay leadership. In Sanders, H. C., ed. The Cooperative Extension Service, p.315-330. Ref. 1966. S544.S2
- 51301 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State 4-H Club record; junior leadership record. Wash. State Univ. Ext. E. M. 1953, 4 p. Oct.1965. 275.29 W27Mi
- Rural Organizations and Movements
- 51302 ALBERTA FEDERATION OF AGRICULTURE. Directors' report and financial statement, twenty-fifth annual meeting, Red Deer, Alberta, January 12th, 13th, and 14th, 1966. n.p., 1966. 20 p. 7 AL17D

- 51303 BASU, N. Young Farmers' Association, India. Bharat Krishak Samaj. Year Book 1964:163-166. 22 B46
- 51304 COMMEMORATION of the 75th anniversary of the founding of the Alumni Association of the State Agricultural Institute [Association des Ingenieurs Sortis de l'Institut Agronomique de l'Etat] at Gembloux, March 26-28, 1965. (Fr) Ann. Gembloux 71(4):267-334. Fourth Q.1965. 13 G28
- 51305 DESHPANDE, R. B. Bharat Krishak Samaj. (Farmers' Forum, India). Bharat Krishak Samaj. Year Book 1964:121-161. 22 B46
- 51306 JAMAICA, AGRICULTURAL DEVELOPMENT CORPORATION. Twelfth annual report and statement of accounts for the year ended 31st of March, 1964. Kingston, 1965. 25 p. 8 J228
- 51307 KANSAS STATE GRANGE. Proceedings, ninety-fourth annual session Parsons, Kansas, October 25, 26, 27, 28, 1965. n.p., 1965. 91 p. 4 K13
- 51308 LACEY, J. J. Farm Bureau in Illinois, history of Illinois Farm Bureau. Bloomington, Ill., Ill. Agr. Ass., 1965. 464 p. S55.C19
- 51309 MANABI, CONSORCIO DE CENTROS AGRICOLAS. Report for the year, 1964. (Sp) Manabi. Consorcio Cent. Agr. Rev. 27(107):5-29. Jan./June 1965. 9.5 M31
Includes reports of the president and department heads.
- 51310 MAWBY, R. G. 4-H and YMW clubs. In Sanders, H. C., ed. The Cooperative Extension Service, p.261-275. 1966. S544.S2
- 51311 NICHOLLS, J. M. Assembling 4-H achievement records. Wyo. Univ. Ext. [4-H Club. Circ.] G-32,17 p. Jan.1965. 275.29 W99Fc
- 51312 OLIVEIRA, J. A. L. DE. Rendering of an account. (Por) Granja [Lisboa] 24(1/2):32-36. Jan./June 1965. 15.5 G76
National Syndicat of Agricultural Regents [Sindicato Nacional dos Regentes Agricolas].
- 51313 ROYAL ULSTER AGRICULTURAL SOCIETY. Report, 1965. Belfast, 1966. 135 p. 10 R816
- 51314 SAVARY, R. IFAP [International Federation of Agricultural Producers] farmers' world organization. Bharat Krishak Samaj. Year Book 1964:195-114. 22 B46
- 51315 SHARMA, K. D. Farm organizations and their role in India. Bharat Krishak Samaj. Year Book 1964:115-119. 22 B46
- 51316 SHOVER, J. L. Cornbelt rebellion; the Farmers' Holiday Association. Urbana. Univ. Ill. Press, 1965. 239 p., map. HD1485.N37S5
Bibliography, p.217-226.
- 51317 VOGEL, H. The role of the German Agricultural Society [Deutsche Landwirtschafts-Gesellschaft] in West Germany. (Ge) Deut. Landwirt. 17(1):12-15. Jan.1966. 18 D4822
- 51318 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. By-laws of Washington State 4-H Fair Board, Inc. Wash. State Univ. Ext. E. M. 2203, rev., 5 p. Jan.1966. 275.29 W27Mi
- 51319 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Contests and award programs, II. Wash. State Univ. Ext. E. M. 1486, rev., 7 p. Feb.1966. 275.29 W27Mi
4-H Clubs.
- 51320 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. State and national 4-H award programs. Wash. State Univ. Ext. E. M. 1486, rev., 5 p. Dec.1965. 275.29 W27Mi
- 51321 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. State and national 4-H events, 1966. Wash. State Univ. Ext. E. M. 1142, rev., 2 p. Dec.1965. 275.29 W27Mi
- 51322 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington 4-H projects; extension agents' guide to project selection and printed materials. Wash. State Univ. Ext. E. M. 1976A, rev., 12 p. Sept.1965. 275.29 W27Mi
- 51323 WOMEN'S FARM AND GARDEN ASSOCIATION. Annual report and accounts 1964. London, 1965. 26 p. 281.29 W84R
- 51324 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H contests, awards, & recognitions; State and national 100 awards, 1965, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] G-19,34 p. Apr.1965. 275.29 W99Fc
- 51325 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H films. Wyo. Univ. Ext. [4-H Club. Circ.] G-13,9 p. June 1965. 275.29 W99Fc
Bibliographies.
- 51326 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Reference list for requesting 4-H Club kits. Wyo. Univ. Ext. [4-H Club. Circ.] G-46,15 p. 1966. 275.29 W99Fc
- 51327 WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Suggested subjects for short 4-H demonstrations. Wyo. Univ. Ext. [4-H Club. Circ.] G-53,8 p. 1965. 275.29 W99Fc

Cooperative Organizations

- 51328 ALBUQUERQUE, J. A. General principles of administration and organization of cooperatives. (Por) Arco-Iris 14(94):9-10. Dec.1965. 280.28 Ar2
- 51329 ANAMI, H. The Marxian theory of cooperative associations. (Ja) Quart. J. Agr. Econ. 20(1):187-197. Jan.1966. 22.5 N687
- 51330 ANTHRAKOPOULOS, S. The activities of agricultural cooperatives of today and need for the establishment of common chamber of agriculture, industry and commerce. (Gre) Athens. Emporikon Biomechanikon Epimeleterion. Delt. 41(1):22-25. Jan.1966. 286.9 At4
- 51331 BELL, D. E. How cooperatives help develop international understanding. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.13-19. 1965. A280.2 F22
Agency for International Development programs.
- 51332 CARNEIRO, A. A. Cooperation in Portugal. (Por) Arco-Iris 14(94):32,35,26. Dec.1965. 280.28 Ar2
- 51333 CAVALCANTI, A. Problems and solutions of the Cotia Agricultural Cooperative [Cooperativa Agricola de Cotia]. (Por) Arco-Iris 14(94):7-8,12. Dec.1965. 280.28 Ar2
- 51334 CHAVES, F. Limitations of the cooperative movement in the emerging nations. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.83-86. 1965. A280.2 F22
Latin America.
- 51335 CRAVEN, H. L. Cooperative month observance; eight seminars show scope of government interest. News Farmer Coop. 32(11):8-9,15-20. Feb.1966. 166.2 N47
- 51336 CRAVEN, H. L., and STANTON, B. Report card time again for many cooperatives. News Farmer Coop. 32(11):10-11,20-22. Feb.1966. 166.2 N47
Highlights of various conferences.
- 51337 DELTON, T. L. Contributions cooperatives can make to solving the problems of the disadvantaged. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.58-61. 1965. A280.2 F22
- 51338 DORRIES, H. Cooperation in cooperatives, all or nothing. (Ge) Chem. Tech. Landwirt. 17(2):55-57. Feb.1966. 384 C4292

- 51339 DREYER, S. How cooperatives help develop international understanding. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.73-77. 1965. A280.2 F22
- 51340 FEDERATED CO-OPERATIVES. Annual report 1965. Saskatoon? 1965. 62 p. 280.29 Sa75
- 51341 FREEMAN, O. L. The Great Society's challenge to agriculture. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.6-12. 1965. A280.2 F22 Cooperative organizations.
- 51342 HARDY, C. E. FCS [Farmer Cooperative Service] workshop probes cooperative range. News Farmer Coop. 32(11):12-14. Feb.1966. 166.2 N47
- 51343 HECKMAN, J. H. Potentials for cooperative development in emerging nations. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.77-78. 1965. A280.2 F22
- 51344 HUQ, M. N., RAHMAN, M., and KHAN, A. Z. Co-operatives. Pakistan Acad. Rural Develop. Annu. Rep. 6:34-54. 1965. 281.29 P172A
- 51345 INDIANA FARM BUR. COOPERATIVE ASSOCIATION. 38th annual report 1964. n.p., 1965. 15 p. 280.29 In293
- 51346 KELEN, J. Farmers' cooperatives in Hungary. Bharat Krishak Samaj. Year Book 1964:65-68. 22 B46
- 51347 KLIMOV, A. P. The work of Soviet consumer's cooperatives. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96: 41-54. Nov.12,1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Includes agricultural products.
Translation from Sovetskaya Torgovlya 8:2-9. Aug.1965.
- 51348 LATOUR, M. Teaching by correspondence of agricultural cooperation. (Fr) Coop. Agr. [Paris] 12(137):21-22. June 1965. 280.28 C78972
In France.
- 51349 LOSONCZI, P. Regulation of cooperation between specialized agricultural institutions. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 418:1-7. Feb.15,1966. (JPRS 34,137; TT 66-30579; CSO 2500-S) 173 J663Ste
Translation from Mezogazdasag Ertesito 46: 645-648. Nov.1965.
- 51350 MEHREN, G. L. What cooperatives contribute to the consumer. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.62-72. 1965. A280.2 F22
- 51351 MENESES, R. B. DE. Mixed or multifunctional cooperatives. (Por) Arco-Iris 14(94):11-12. Dec.1965. 280.28 Ar2
Brazil.
- 51352 MOURA, V. Federal legislation on cooperation (explanatory note). (Por) Arco-Iris 14(94):13-14,16. Dec.1965. 280.28 Ar2
Brazil.
- 51353 MUYEED, A. Practical training co-operative employees. Pakistan Acad. Rural Develop. J. 5(2):78-85. Oct.1964. 281.29 P17
- 51354 O'ROURKE, E. W. Southern consumers' cooperative and the new Economic Opportunity program. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.92-93. 1965. A280.2 F22
Louisiana.
- 51355 PATEL, B. J. Glimpses of co-operative movement in India. Bharat Krishak Samaj. Year Book 1964:173-179. 22 B46
- 51356 RUST, I. W. Ways in which cooperatives can contribute to Economic Opportunity program. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.90-92. 1965. A280.2 F22
- 51357 SAHLMAN, F. M. Development of cooperatives as policy in the Foreign Assistance program. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.78-83. 1965. A280.2 F22
Work of U. S. Department of Agriculture and Agency for International Development.
- 51358 SASKATCHEWAN, DEPT. OF CO-OPERATION AND CO-OPERATIVE DEVELOPMENT. Twenty-first annual report, for the twelve months ended March 31, 1965. Regina, 1966. 110 p.,map. 280.29 Sa74A
- 51359 SLETTOM, E. E. How cooperatives benefit rural communities. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.52-54. 1965. A280.2 F22
- 51360 TAUBERT, H. Cooperation of the LPG's in the Mutzschen, Kreis Grimma, cooperation area. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:1-7. Sept.16,1965. (JPRS 32,020; TT 65-32514; CSO 2900-N) 173 J663Ste
Translation from Die Deutsche Landwirtschaft 8:368-370. Aug.1965.
- 51361 U. S. FARMER COOPERATIVE SERV. A recording of the Cooperative Observance, October, 1964, U. S. Department of Agriculture. Washington, 1965. 98 p. A280.2 F22
Includes opening comments by O. L. Freeman, and comments by J. A. Baker.
- 51362 VERBAND OSTSCHWEIZERISCHER LANDWIRTSCHAFTLICHER GENOSSENSCHAFTEN. 79. Jahresbericht, Januar-Dezember 1965 [79th annual report, January-December 1965 of the East Swiss Federation of Agricultural Cooperatives]. Winterthur, 1966. 63 p. 280.29 V58J

RURAL SOCIAL PSYCHOLOGY

- 51363 COLEMAN, A. L. The rural-urban variable in race relations. Rural Sociol. 30(4):393-406. Ref. Dec.1965. 281.28 R88
- 51364 FRUTCHEY, F. P. The learning-teaching process. In Sanders, H. C., ed. The Cooperative Extension Service, p.51-68. 1966. S544.S2
Educational psychology.
- 51365 JORDAN, F. Values and goals. N. C. Univ. Ext. Home Econ. Ser. 24,4 p. Oct.1965. 275.29 N811Hom
- 51366 KOLBE, F. H. H. Die aanvaarding van verbeterde akkerboupraktike in die Settlers Grondbewaringsdistrik soos beïnvloed deur sekere sosio-ekonomiese faktore [Adoption of improved agronomy practices in the Settlers Soil Conservation district as influenced by certain socio-economic factors]. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 34,162 p. 1965. 24 So863
English summary.
Bibliography, p.150-154.
- 51367 MINNESOTA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. For parents of young children: do you expect too much? Minn. Univ. Ext. Bull. 321-3,2 p. Nov.1965. 275.29 M66S

TRADE, FOREIGN AND INTERNATIONAL

- 51368 AMMANN, E. The regulation of horse imports. (Ge) Grune 94(6/2):177-180. Feb.11,1966. 17 Sch9

- 51369 ANDERSEN, P. P. Japan as a market for Danish food. (Da) *Tolvmandsbladet* 37(6):297-304. June 1965. 11 T58
- 51370 ARLITT, M. The 1965 imports in vegetables and fruits in the Federal Republic (preliminary results). (Ge) *Obst Gemuse* 30(2):4,6-7. Feb. 1966. 286.83 Ob72
- 51371 ARLITT, M. Possibilities for importing stone fruits into the Federal Republic from countries of the Southern Hemisphere. (Ge) *Obst Gemuse* 30(2):48-51. Feb. 1966. 286.83 Ob72
- 51372 BARR, J. W. National economy and trade. In *National Farm Institute. Farm prosperity, imports and exports*, p.14-23. 1965. HD9006.N3
- 51373 BEAL, G. M., and COALE, C. W. Post World War II foreign trade in Maryland tobacco. Md. Agr. Exp. Sta. Misc. Publ. 552,84 p. Dec.1965. 100 M36M
Includes information and data on packing.
- 51374 BELL, R. E. New Irish-U. K. agreement opens free mutual trade; with broader implications than merely Anglo-Irish trade, the Agreement is expected to boost Ireland's involvement and importance in commerce. *Foreign Agr. Incl. Foreign Crops Markets* 4(8):3-5. Feb.21,1966. A281.9 F76Fo
- 51375 BERG, S. O. How farm programs affect trade. In *National Farm Institute. Farm prosperity, imports and exports*, p.31-36. 1965. HD9006.N3
- 51376 BLANCHET, J. Situation of French and British trade. (Fr) *Rev. Franc. Agr.* 11:17-22. Winter 1965/66. 281.8 R328
Includes agricultural products.
- 51377 BODIE, G. R., and DOREMUS, R. D. Hunger in the world—who cares? *Limestone* 2(5):18-23, 25. Sept.1965. 294.8 L62
Food for Peace Program.
- 51378 BONDO-ANDERSEN, A. The international grain market. (Da) *Dansk Landbrug* 85(2):49-53. Feb.1966. 280.28 V91
- 51379 BOUREL, F. The "Kennedy Round" and the agricultural and food industries. (Fr) *Suppl. Rev. Franc. Agr.* 106(11):251-255. Nov.1965. 65.8 J82
Includes policies of the European Economic Community.
- 51380 BROWNE, G. S. The place of market research in international trade. *Int. Trade Forum* 1(2):10-12. Mar.1965. 286.8 In84
Agricultural products.
- 51381 CALLAGHAN, A. R. Prospects for increasing trade with agricultural nations. In *National Farm Institute. Farm prosperity, imports and exports*, p.71-79. 1965. HD9006.N3
Australian trade with the United States.
- 51382 CICOGLA, F. Italian industry in the international market. (It) *Ital. Agr.* 103(1):41-57. Jan.1966. 16 It1
Includes discussion of the problem of the Common Market and agricultural policy.
- 51383 COOK, A. C., and SINDELAR, G. E. Trade with Mexico. *United Fresh Fruit Veg. Ass. Yearbook* 1966:185-186,188,190,192,map. 280.3939 Un3
United States.
- 51384 COSCIA, A. A., and TORIGINI, S. B. DE. Principales países importadores de maíz [Chief corn importing countries]. *Pergamino. Estac. Exp. Agropecuar. Inform. Tec.* 38, 27 p. Jan.1965. 102.5 P413
- 51385 DEBLOIS, E. N. High level dollar exports boost total exports of U.S. farm products for second consecutive fiscal year. *Foreign Agr. Trade U. S.*, Dec.1965:12-33. A286.9 Ag8
Statistics.
- 51386 EDLEMAN, S. South Africa as a world supplier of fish meal and oil. (Ge) *Fette, Seifen, Anstrichmittel* 67(12):980-981. Dec.1965. 384 C422
- 51387 ENGLISH, R. E. The world wheat situation. *Alberta Farm Econ.* 4(1):1-2. Winter 1966. 281.8 AL12
Chiefly Canadian wheat trade.
- 51388 EVERAERT, G. Wheat in the world. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 208:191-198. 298.9 P21
Outlook and trade.
- 51389 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Statistiques du commerce extérieur de la France: importations, exportations en N.D.B., année 1965 [Statistics of the foreign trade of France: imports, exports in N.D.B., 1965]. France. Dir. Gen. Douanes Droits Indir. Statist. Mens. Com. Extérieur France 4(pt.1),869 p. Paris, 1966. 260 D74
- 51390 GOODMAN, R. J. More effective private credit arrangements needed to spur wheat exports. *Great Plainsman* 700(5):3-5. Jan.1966. 280.38 G79
- 51391 GROSSERER-SOCIETETETS KOMITE. Verdensmarkedet og Danmark [The world market and Denmark], 1965. Kobenhavn, 1965. 234 p. 251.1 C792Ad
Includes farm products.
- 51392 GUARNERI, E. The European market for poultry and eggs. (It) *Avicoltura* 34(8):85-100. Aug.1965. 47.8 R523
- 51393 HALLSTEIN, W. Defends the European Community. (It) *Ital. Agr.* 102(12):1043-1063. Dec. 1965. 16 It1
- 51394 HAMPTON, L. M. Federal hide export action draws congressional fire. *Leather Shoes* 151 (13):8-9. Apr.2,1966. 303.8 H53
Department of Commerce regulation.
- 51395 HARASIM, E. Polish sugar export perspectives. U. S. Joint Publ. Res. Serv. Transl. East Europe. *Foreign Trade* 249:13-34. Nov.3,1965. (JPRS 32,701; TT 65-33180; CSO 2600-D) 173 J663Tree
Translation from *Zagadnienia Ekonomiki Rolnej* 4(70):41-57. July, Aug. 1965.
- 51396 HEDGES, I. R. U.S. view. In *National Farm Institute. Farm prosperity, imports and exports*, p.49-68. 1965. HD9006.N3
Foreign trade and GATT.
- 51397 HEDRI, G. Hungary's trade with developed capitalist countries. U. S. Joint Publ. Res. Serv. Transl. East Europe. *Foreign Trade* 266:18-27. Mar.3,1966. (JPRS 34,383; TT 66-30823; CSO 2500-D) 173 J663Tree
Includes agricultural trade.
Translation from *Kozgazdasagi Szemle* 1:106-111. Jan.1966.
- 51398 HILL, E. H. What farmers want to know about trade. In *National Farm Institute. Farm prosperity, imports and exports*, p.3-7. 1965. HD9006.N3
- 51399 HILLHOUSE, W. F. West German market for agricultural products. *Foreign Trade* 125(4):7-10. Feb.19,1966. 286.8 C162
- 51400 HIRSCH, H. G. Calendar year 1965 U.S. agricultural export prices up slightly. *Foreign Agr. Trade U. S.*, Mar./Apr.1966:12-14. A286.9 Ag8
Statistics.
- 51401 IOANES, R. A. Cooperatives have opportunities in the export market. *Foreign Agr. Incl. Foreign Crops Markets* 4(7):3-5. Feb.14,1966. A281.9 F76Fo
- 51402 ITALY. ISTITUTO CENTRALE DI STATISTICA. Statistica annuale del commercio con l'estero [Annual statistics of foreign trade], 1963. Roma, 1966. 1839 p. 261 It15Co
- 51403 JACOBSON, D. Presentation of E award to Norbest Turkey Growers Association. In *U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964*, U. S. Department of Agriculture, p.20-21. 1965. A280.2 F22
For contributions to export expansion drive of the United States by substantially increasing foreign sales of turkeys.
- 51404 JOHNSON, H. G. Sugar protectionism and the export earnings of less developed countries: variations on a theme by R. H. Snape. *Economica* (n.s.)33(129):34-42. Feb.1966. 280.8 Ec73

- 51405 KOCH, R. M. World hunger; what can we and what should we do about it? *Limestone* 2(5):7. Sept.1965. 294.8 L62
Food for Peace Program.
- 51406 KRAALJEVELD, H. Oranges in the E. E. C. market regulation for vegetables and fruit. II. (Du) *Econ.-Statist. Ber.* 51(2530):213-217. Feb.23,1966. 280.8 Ec722
Includes prices.
- 51407 LAGIOIA, V. Bari Chamber of Commerce [Camera di Commercio] propelling center of economic activity. (It) *Agr. Italia* 11(9):56-58. Sept.1965. 16 Ag8232
Trade in agricultural products.
- 51408 LAMBRECHT, H. Die Entwicklung des Interzonenhandels von seinen Anfängen bis zur Gegenwart [The development of inter-zone trade from its beginnings to the present]. Berlin. *Deut. Inst. Wirtschaftsforsch. [Schr.] Sonderh.* (n.s.)72,68 p. Ref. 1965. 280.9 B45Vs
- 51409 LECERF, J. Selling in Germany. (Fr) *Agr. Prat.*130(1):11-13. Jan.1966. 14 J82
- 51410 LITWINOWICZ, J. Overproduction of pork in Denmark. (Pol) *Gosp. Miesna* 17(12):23-24. Dec.1965. 50.8 G69
Chiefly on exports.
- 51411 LOPES, J. Spain to import more agricultural products this year. *Foreign Agr. Incl. Foreign Crops Markets* 4(10):6-7. Mar.7,1966. A281.9 F76Fo
- 51412 MALAGASY REPUBLIC, INSTITUT NATIONAL DE LA STATISTIQUE ET DE LA RECHERCHE ECONOMIQUE. Statistiques du commerce exterieur de Madagascar, annee 1964 [Statistics of the foreign trade of Madagascar, 1964]. n. p., 1965. various paging. 270 M26St
- 51413 MANSHOLT, S. L. European view. In *National Farm Institute. Farm prosperity, imports and exports*, p.39-48. 1965. HD9006.N3
Agriculture in the European Economic Community and trade with the United States.
- 51414 MCGOVERN, G. War against want. *Limestone* 2(5):5. Sept.1965. 294.8 L62
Food for Peace Program.
- 51415 MCLAUCHLAN, G. European gourmets' demand for white veal opens profitable export prospect for N.Z. farmers. *New Zeal. J. Agr.* 112(1):9-11. Jan.1966. 23 N48J
- 51416 MCMURTRY, G. Virginia tobacco in Canada. Va. *Polytech. Inst. Ext. Va. Farm Econ.* 195:12-15. Jan./Feb.1966. 275.29 V813
Chiefly trade.
- 51417 MCPHERSON, W. W. Policy research needs in the South: international. N. C. State Univ. *Agr. Policy Inst. Ser.* 17:25-31. Apr.1965. 281.9 N8122
In relation to trade.
- 51418 MENDELSON, P. A shipper's view on outlook for exports. *West. Grower Shipper* 36(5):13-14,22-23. May 1965. 280.38 W52
Fruit.
- 51419 MOURIER, O. Export of malting barley and grain seed in crop year 1964/65. (Da) *Tolvmandsbladet* 37(9):436-438. Sept.1965. 11 T58
- 51420 NAIR, N. K. India's trade with Rumania. J. *Indus. Trade* 15(7):1027-1028. July 1965. 286.8 J824
- 51421 NATIONAL FARM INSTITUTE. Farm prosperity, imports and exports. Ames, Iowa State Univ. Press, 1965. 108 p. HD9006.N3
Published under the auspices of the Agricultural Committee of the Greater Des Moines Chamber of Commerce with the cooperation of the Iowa State University Center for Agricultural and Economic Development.
Includes a special address by H. H. Humphrey, p.24-30.
- 51422 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. De invoertarieven binnen en buiten de Euromarkt [The import tariffs within and without the European Market]. Neth. Cent. Bur. Statist. *Statist. Econ. Onderz.* 2, 65 p. 1965. 280.9 N382S
English summary.
- 51423 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Het goederenvervoer in de zeehavens van de E.E.G. 1958-1962 [Commodity passage in the seaports of the E.E.G. 1958-1962]. Neth. Cent. Bur. Statist. *Statist. Econ. Onderz.* 1,59 p.,map. 1965. 280.9 N382S
English summary.
Grain included.
- 51424 NICARAGUA. RECAUDACION GENERAL DE ADUANAS. Memoria, periodo anual de 1964 [Report of the General Customs Collector, annual period of 1964]. Managua, 1965. 278 p. 254 N512
- 51425 OGG, W. E. Farm policy and trade. In *National Farm Institute. Farm prosperity, imports and exports*, p.8-13. 1965. HD9006.N3
- 51426 ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT. Commodity trade analysis by main regions January-December 1964. 2. Germany, Portugal, Switzerland, United Kingdom. Paris, 1965. 86 p. (Series B) 286.9 Or32ob
Text also in French.
- 51427 PASSAMONTI, G. The general entry tariff on hatching eggs and chicks. (It) *Avicoltura* 34 (7):85-89. July 1965. 47.8 R523
French summary, p.50.
- 51428 PENNISI, C. The notebook of the citrus grower. (It) *Raccolto* 7(1):10-12. Jan.31,1966. 16 R11
Common Market trade policy.
- 51429 POTTEET, H. A. Texas South Plains will benefit more from export market revival than other areas. *Cotton Dig.* 38(27):9-20. Mar.5,1966. 286.82 C822
- 51430 RAHE, D. H. U.S. agricultural exports were near record level in calendar year 1965. *Foreign Agr. Trade U. S., Mar./Apr.1966*:5-11. A286.9 Ag8
Statistics.
- 51431 RAHE, D. H. U.S. agricultural imports declined 3 percent in fiscal 1964-65. *Foreign Agr. Trade U. S., Oct.1965*:4-10. A286.9 Ag8
Statistics.
- 51432 ROBERTS, R. H. Freer agricultural trade urged at Canadian conference; farm and trade leaders propose that Canada's economic policy be adjusted to permit greater expansion of both exports and imports. *Foreign Agr. Incl. Foreign Crops Markets* 4(6):3-4. Feb.7,1966. A281.9 F76Fo
- 51433 SCHERTZ, L. P., and CANNON, R. J. U.S. wheat paramount in world supply situation; major shifts since 1900 in the world's wheat production and trade have brought U.S. wheat into center stage. *Foreign Agr. Incl. Foreign Crops Markets* 4(10):3-5,16. Mar.7,1966. A281.9 F76Fo
Statistics.
- 51434 SCHLIENZ, W. The harmonization of methods for the development of refrigerated industrial cold stores in Europe. (Fr) *Int. Congr. Refrig. Proc., 11th Congr., v.2*:1251-1253. 1963, pub. 1965. TP490.15
English summary.
European Association for Refrigerating Enterprises as regulating body for trade of perishable food.
- 51435 SCHMIDT, H. C. Marketing of meat production. (Da) *Dansk Landbrug* 84(12):373-375. Dec.1965. 280.28 V91
Chiefly export.
- 51436 SCHMIDT, S. C. EEC [European Economic Community] import expenditure elasticities for raw materials, manufactures, and all commodities combined. *Ill. Agr. Econ.* 6(1):17-25. Ref. Jan.1966. 281.9 IL6I
- 51437 SCHWEIZERISCHE KASEUNION. Report of activity for the 51st fiscal year, August 1, 1964 to July 31, 1965. (Ge) *Schweiz. Milchzeitung* 92(10):69-71. Feb.4,1966. 44.8 Sch92
- 51438 SOUTHERN RHODESIA. CENTRAL STATISTICAL OFF. Annual statement of external trade, 1964. Salisbury, 1965. 151 p. HF266.R5R5

- 51439 SPAGNOLI, A. Italian imports of eggs, chicks, and various fowls. (It) *Avicoltura* 34(6):129-136,138-143. June 1965. 47.8 R523
French summary, p.97.
- 51440 STEIN, E. Starches and starch products in - the foreign trade of important European districts. (Ge) *Starke* 17(12):391-398. Dec.1965. 309 St22
- 51441 STITT, N. A. Prospects for increasing trade with industrial nations. In National Farm Institute. Farm prosperity, imports and exports, p.80-86. 1965. HD9006.N3
Agricultural products.
- 51442 SWIFT, E. F. What American business is doing to increase exports of animal and vegetable products. In National Farm Institute. Farm prosperity, imports and exports, p.103-108. 1965. HD9006.N3
- 51443 SWITZERLAND, EIDGENOSSISCHES OBER-ZOLL-DIREKTION. Statistique du commerce suisse; rapport annuel 1964. Ire partie, Fournisseurs et debouches [Statistics of Swiss trade; annual report 1964. Part I, Suppliers and outlets]. Bern, 1965. 150 p. 262 D85R
- 51444 TAIWAN FOREIGN EXCHANGE AND TRADE COMMISSION. Taiwan exports foods and agricultural products. Taipei, 1966. 48 p. 286.8 T132
- 51445 TONTZ, R. L., and RAHE, D. H. U.S. agricultural export prospects for fiscal year, 1965-66. Foreign Agr. Trade U. S., Dec.1965:5-11. A286.9 Ag8
- 51446 TOSSETT, O. Prospects for increasing trade with Communist nations. In National Farm Institute. Farm prosperity, imports and exports, p.87-93. 1965. HD9006.N3
Agricultural.
- 51447 TURCHI, C. M. Prospects of the English market for the export of Emilian horticultural products. (It) *Mercanzia* 20(5):360-364. May 1965. 287 B635
- 51448 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. ECE/FAO AGRICULTURE DIV. Agricultural trade in Europe; recent developments (prepared in 1965). Geneva, 1966. 31 p. (ST/ECE/AGRI/20) 281.9 Un39
Statistical.
- 51449 U. S. BUR. OF INTERNATIONAL COMMERCE. Trade of the United States with the Sino-Soviet Bloc, 1962-64. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR 65-44,16 p. June 1965. 157.54 Ov2
Statistics.
- 51450 VOSSIUS, A. Italy needs the German market. (Ge) *Obst Gemuse* 30(2):9. Feb.1966. 286.83 Ob72
For fruits and vegetables.
- 51451 WARDEN, T. A. U.S. foreign agricultural trade in calendar 1964 reached \$10.4 billion. Foreign Agr. Trade U. S., Nov.1965:5-19. A286.9 Ag8
Statistics.
- 51452 WESSELY, C. Import possibilities for rice in Austria. Int. Trade Forum 1(2):26-27. Mar. 1965. 286.8 In84
- 51453 WITT, T. Polish imports from the developing countries. Int. Trade Forum 1(2):22-23. Mar. 1965. 286.8 In84
Includes agricultural products.

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 51454 ALTSCHUL, A. M. Research accomplishments with seed proteins for human food. Nat. Res. Counc. Agr. Res. Inst. Proc., 14th Annu. Meeting:41-50. Ref. 1965. 4 N2122
- 51455 AYKROYD, W. R. Nutrition in the Caribbean. J. Hyg. 63(1):137-153. Ref. Mar.1965. 449.8 J82
- 51456 BLACIZEK, F. He who is reasonable, eats reasonably! (Ge) Landarb.-Arch. 20(11/12): 228-232. Nov./Dec.1965. 283.8 L23
- 51457 BLANTON, J. H. A dietary study of men residing in urban and rural areas of Puerto Rico. Amer. J. Clin. Nutr. 18(3):169-175. Ref. Mar. 1966. 389.8 J824
M. Rodriguez, R. Costas, A. A. Colon, M. Feliberti, H. Benson, R. Axala, and M. R. Garcia-Palmieri, joint authors.
- 51458 BURKART, A. C. Figure saving ideas. Rutgers State Univ. Ext. Ext. Bull. 384,8 p. Aug. 1965. 275.29 N46
- 51459 BUZINA, R., and others. Dietary surveys in rural Yugoslavia. II. Chemical analyses of diets in Dalmatia and Slavonia. Voeding 27(1):31-36. Ref. Jan.15,1966. 389.8 V85
A. Keys, A. Brodarec, J. T. Anderson, and F. Fidanza, joint authors.
- 51460 CORPUZ, A. G. Parent education: its role in the nutrition of pre-school children. Philippine J. Nutr. 18(1):41-46. Jan./Mar.1965. 389.8 N9524
- 51461 COX, M., and others. Beef—selection, care, cooking. Tex. Agr. Mech. Univ. Ext. B-1022, 15 p. Feb.1965. 100 T31S
M. Tribble, L. Mason, and F. Reasonover, joint authors.
Chiefly cookery.
- 51462 DEAN, V. M. The role of food in world peace. World Rev. Nutr. Diet. 6:19-33. 1966. 389.1 W892
Human nutrition.
- 51463 ENGEL, C. The Central Institute for Nutrition Research TNO [Centraal Instituut voor Voedingsonderzoek TNO]. (Du) Conserva 13(12): 297-304. June 1965. 389.8 C7632
- 51464 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Protein: at the heart of the world food problem. Food Agr. Organ. UN. World Food Probl. 5,62 p. 1964. 389.9 F735Wo
- 51465 FUNK, K., ALDRICH, P. J., and IRMITER, T. F. Delayed service cookery of loin cuts of beef. 48(3):210-215. Mar.1966. 389.8 Am34
- 51466 GAINES, M. K., PERRY, A. K., and VAN DUYN, F. O. Preparing top round beef roasts. Amer. Diet. Ass. J. 48(3):204-209. Ref. Mar. 1966. 389.8 Am34
- 51467 GONZALES, E. B. What a school administrator expects of a nutritionist or dietician. Philippine J. Nutr. 18(1):77-81. Jan./Mar.1965. 389.8 N9524
- 51468 HARTOG, C. DEN. Nutrition in the Netherlands. World Rev. Nutr. Diet. 6:90-123, map. Ref. 1966. 389.1 W892
- 51469 HINDMAN, M. E. Good meals for less money. Clemson Univ. Ext. Circ. 222,16 p. Aug.1965. 275.29 So8E
Includes recipes.
- 51470 HO, G. P., NOLAN, F. L., and DODDS, M. L. Adaptation to American dietary patterns by students from oriental countries. J. Home Econ. 58(4):277-280. Apr.1966. 321.8 J82
- 51471 HODGES, R. E. Present knowledge of carbohydrates. Nutr. Rev. 24(3):65-68. Mar.1966. 389.8 N953
Literature review.
- 51472 ILLINGWORTH, C. Teaching nutrition through discovery. Nutr. News [Chicago] 29(1):3. Feb. 1966. 389.8 N957
- 51473 INTENGAN, C. L. Nutrition in the Philippines. Philippine J. Nutr. 18(4):277-300. Oct./Dec. 1965. 389.8 N9524
- 51474 JANSEN, A. A. J. The diet of the pregnant woman in Guatemala. (Du) Voeding 27(2):48-54. Ref. Feb.15,1966. 389.8 V85
- 51475 KARK, R. M. Food and hunger in a world of turmoil. World Rev. Nutr. Diet. 6:1-18. Ref. 1966. 389.1 W892
Human nutrition.
- 51476 LABRADOR, L. What is expected of a nutritionist and dietitian by a food service administrator. Philippine J. Nutr. 18(1):82-87. Jan./Mar.1965. 389.8 N9524
- 51477 LEE, P. R. International nutrition programs; the role of the United States Government. Naringsforskning 9(2):61-64. 1965. 389.9 N16
- 51478 LINDEBOOM, G. A. A plea for improvement of national nutrition from the last century. (Du) Voeding 27(1):1-5. Jan.15,1966. 389.8 V85
Work of Gerrit Jan Mulder.
- 51479 MABANTA, L. F. Expectation of a hospital administrator from the nutritionist or dietician. Philippine J. Nutr. 18(1):73-76. Jan./Mar. 1965. 389.8 N9524
- 51480 MARTELINO, C. Programs to meet the nutritional needs of the pre-school child: voluntary agencies. Philippine J. Nutr. 18(1):47-50. Jan./Mar.1965. 389.8 N9524
- 51481 MO, S., NOEL, M., and CHEN, L. C. Intake of foods and nutrients classified into different food groups at Igbo-ora, West Nigeria, West Africa. Seoul Univ. J. Biol. Agr. Ser. (B) 16: 139-147. Ref. May 1965. 442.9 So84
- 51482 MORSE, E. H. Research with humans. Vt. Farm Home Sci. 8(2):4-5. Fall 1965. 100 V593
In nutrition research.
- 51483 MULDER, T. Nutrition in the Netherlands. (Du) Voeding 26(12):695-701. Dec.15,1965. 389.8 V85
- 51484 MUNDO, F DEL. Feeding problems in infancy. Philippine J. Nutr. 18(1):18-21. Jan./Mar. 1965. 389.8 N9524
- 51485 MUSSALLEM, H. K. Nutrition in nursing education. Can. Nutr. Notes 22(2):13-19. Feb. 1966. 389.9 C168
- 51486 NATIONAL NUTRITION WEEK CELEBRATION (PHILIPPINES). Proceedings, 14, March 1-7, 1965. Philippine J. Nutr. 18(1),87 p. Ref. Jan./Mar.1965. 389.8 N9524
Sponsored by the Philippine Association of Nutrition.
- 51487 PASCUAL, C. R. Expectation of a research administrator from the nutritionist. Philippine J. Nutr. 18(1):69-72. Jan./Mar.1965. 389.8 N9524
- 51488 PASS, I. Vegetable cookery. Kans. State Univ. Ext. C-355,16 p. Nov.1965. 275.29 K13Ex
- 51489 ROGERS, Q. R., and HARPER, A. E. Protein digestion: nutritional and metabolic considerations. World Rev. Nutr. Diet. 6:250-291. Ref. 1966. 389.1 W892
- 51490 RUHLE, O. Must men still starve? (Ge) Tierzucht 19(12):617-621. Dec.1965. 49 T443
- 51491 SAMSON, G. D. Nutritional problems of the pre-school child. Philippine J. Nutr. 18(1):11-17. Jan./Mar.1965. 389.8 N9524
Includes requirements.
- 51492 SEN, B. R. The problem of hunger. Limestone 2(5):8-11. Sept.1965. 294.8 L62
- 51493 SERAFICA, F. C. Psychological factors in the nutrition of the pre-school child. Philippine J. Nutr. 18(1):35-40. Jan./Mar.1965. 389.8 N9524
- 51494 STEWART, M. S. Japanese foods and food customs. Wyo. Univ. Ext. [4-H Club. Circ.] F-43, 5 p. June 1965. 275.29 W99Fc
Chiefly recipes.
- 51495 SUMABAT, L. M. Meeting the nutritional needs of the pre-school child. Philippine J. Nutr. 18(1):56-68. Jan./Mar.1965. 389.8 N9524

- 51496 SUNDBERG, I. Diet for older people. (Sw) Lantbrukstidskr. Dalarna 78(5):148-158. 1965. 11 L29
- 51497 TAKAI, T., and others. Studies on malnutrition in Japanese rural infants. III. The effects of various food supplements for rural infantile malnutrition. (Ja) Jap. Soc. Food Nutr. J. 18 (5):16-19. 1966. 389.9 J27
I. Ando, K. Kitera, and I. Iseki, joint authors. English summary.
- 51498 TÖDHUNTER, E. N. Nutrition education for non professionals and the public. I. Can. Nutr. Notes 21(4):37-46. July/Aug.1965. 389.9 C168
- 51499 VALASSI, K. V., and REYNOLDS, J. W. Dietary studies of the civilian population of Uruguay. Amer. J. Clin. Nutr. 18(3):203-228. Ref. Mar.1966. 389.8 J824
- 51500 VALENZUELA, A. V. The effects of maternal health on the child. Philippine J. Nutr. 18(1):22-30. Ref. Jan./Mar.1965. 389.8 N9524
Nutritional requirements.
- 51501 VALIENTE, S., and ARTEAGA, A. Community nutrition problems in Chile. (Sp) Ofic. Sanit. Panamer. Bol. 58(5):405-412. Ref. May 1965. 449.9 P192B
English summary.
- 51502 VARELA, G., MOREIRAS-VARELA, O., and VIDAL, C. Levels of nutrition in different regions and social strata. (Sp) An. Bromatol. 17(2):163-237, map. 1965. 389.8 An1
English summary.
Spain.
- 51503 WATKIN, D. M. The impact of nutrition on the biochemistry of aging in man. World Rev. Nutr. Diet. 6:124-164. Ref. 1966. 389.1 W892
Bibliography, p.159-164.
- 51504 WEITS, J. "Net dietary protein value" (NDPV) and "Net dietary-protein calories percent" (NDpCal%). (Du) Voeding 27(2):55-62. Ref. Feb.15,1966. 389.8 V85
- 51505 WISCONSIN, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Basic yeast breads. Wis. Univ. Ext. Circ. 641, 21 p. Aug. 1965. 275.29 W75C
Cookery.
- 51506 WORLD review of nutrition and dietetics, edited by G. H. Bourne. Vol. 6. New York, Hafner, 1966. 330 p. 389.1 W892
- FOOD HABITS**
- 51507 PETERS-NANNINGA, M. M., WEITS, J., and BESSEMS-DESTAEBELE, H. M. E. Research on the menu patterns of North Beveland. I-II. (Du) Voeding 27(1):6-12. Jan.15,1966. 389.8 V85
- 51508 WINES, W. F. Foods, fads and foolishness. Philadelphia, Dorrance, 1966. 165 p. RA784.W5
- NUTRITIVE AND VITAMIN CONTENT**
- 51509 ALEXANDER, J. C., and MATTSO, F. H. A nutritional comparison of rapeseed oil and soybean oil. Can. J. Biochem. 44(1):35-43. Ref. Jan.1966. 470 C16E
- 51510 ARRAUT, L. H., and PUJOL, A. Biological value of some beans cultivated in Colombia. (Sp) An. Bromatol. 17(2):147-161. Ref. 1965. 389.8 An1
English summary.
- 51511 BARTNIK, J. Nutritive value of rye and rye products. III. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):91-101. Ref. 1964. 449.9 W26
English summary.
Rye flour and rye bran.
- 51512 CACHAZO RIOJA, S. Enriched and leavened flours. (Sp) Pan 12(146):18. Dec.15,1965. 389.8 P192
- 51513 CASTLE, A. B. Anniversary of enrichment should mark new era of consumer education. Bakers Weekly 209(13):36-38. Mar.28,1966. 389.8 B172
Bread's nutritive value.
- 51514 CAUSERET, J. Bread, sanitary food. (Fr) Pain Franc. (n.s.)26:576-579. Mar./Apr.1965. 389.8 P16
Nutritive value.
- 51515 CRAVIOTO B., R. O., and CERVANTES, M. Study of proteins and amino acids in Mexican food products. I. Protein value of pumpkinseed flour and of its mixture with soybean flour. (Sp) Ciencia 24(1/2):83-88. Ref. June 10, 1965. 475 C48
English summary.
- 51516 DAVIS, J. G. The nutritional index and economic nutritional index of foods. Milk Board J. 17(1):9,11,13,15,17,19. Jan.1966. 44.8 M5934
Milk and dairy products.
- 51517 FRIEND, B. Nutritive value of food available for consumption, United States, 1909-64. U. S. Agr. Res. Serv. ARS-62-14, 18 p. Jan.1966. A321.9 R31
- 51518 GIZIS, E., BRUNNER, J. R., and SCHWEIGERT, B. S. Vitamin B₁₂-binding peptides in cows milk. J. Dairy Sci. 48(12):1704-1705. Dec.1965. 44.8 J822
- 51519 GRACIAN, J., and AREVALO, G. Tocopherols in vegetable oils, with special reference to olive oil. (Sp) Grasas Aceites 16(6):278-291. Ref. Nov./Dec.1965. 307.8 G76
- 51520 HARTMAN, A. M., DRYDEN, L. P. Vitamins in milk. Certif. Milk 41(1):8. Winter 1966. 44.8 C33
- 51521 HELLSTROM, V., WESTIN, S. I., and AGREN, O. Nutritive value of certain cold cuts. (Sw) Var Foda 18(10):1-6. 1966. 389.8 V26
- 51522 HERRMANN, J., and TUNGER, L. About the kinetics of vitamin decomposition in bakery products. (Hu) Elelmezési Ipar 19(12):353-357. Dec.1965. 290.9 M57
English summary.
- 51523 HOBSON, A. Meat. Home Econ. Dom. Subj. Rev. 12(2):33. Feb.1966. 321.8 H759
Nutritive value.
- 51524 KEFFORD, J. F. Citrus fruits and processed citrus products in human nutrition. World Rev. Nutr. Diet. 6:165-196. Ref. 1966. 389.1 W892
Nutritive value.
- 51525 LINDNER, H., and SCHUCHARDT, W. Vitamins—building stones of life; history and discovery. II. (Ge) Chem. Tech. Landwirt. 17 (2):45-46. Feb.1966. 384 C4292
- 51526 NERS, A. Studies on nutritive value of vegetable decoctions. (Pol) Warsaw. Panstw. Hig. Roczn. 15(1):113-120. Ref. 1964. 449.9 W26
English summary.
Chiefly mineral content of baby soups and dietetic extracts.
- 51527 OURNAC, A. The ascorbic acid content of deep-coloured wines and juices. (Fr) Ann. Technol. Agr. 14(4):341-347. 1965. 14 F8499An
English summary.
- 51528 RAGAZZI, C. A. Administration of vitamins and irradiated milk. (It) Latte 39(11):855-856. Nov.1965. 44.8 L35
- 51529 RAMILLA, E. M. Acceptability study of soy grits as a supplement in child feeding operations. Philippine J. Nutr. 18(4):259-276. Oct./Dec.1965. 389.8 N9524
- 51530 ROEDER, G. Contribution to the question of vitamin enrichment of milk. (Ge) Milchwissenschaft 21(2):98-102. Ref. Feb.1966. 44.8 M5933
English summary.
- 51531 STIEBELING, H. K. Foods of the vegetable-fruit group. United Fresh Fruit Veg. Ass. Yearbook 1966:230-231,234,236,238,240,242, 244,246. Ref. 280.3939 Un3
Nutritive value.
- 51532 SWOPE, F. C., BRUNNER, J. R., and VADEHRA, D. V. Riboflavin and its natural derivatives in the fat-globule membrane. J. Dairy Sci. 48(12):1707-1708. Dec.1965. 44.8 J822
- 51533 WILHELM, H. S., and TASTALDI, H. Tocopherols in some vegetable and animal oils. (Por) Sao Paulo. Univ. Fac. Farm. Bioquim. Rev. 2(2):53-60. Ref. July/Dec.1964. 396.9 Sa623
English summary.

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 51534 AMERICAN CHEMICAL SOCIETY. Abstracts of papers, 151st meeting, Pittsburg, Pennsylvania, March 22-31, 1966. Washington, D. C., 1966. various paging. 381 Am33Pa
- 51535 ANDERSON, J. K. Make America beautiful. *Arborist's News* 31(2):9-14. Feb. 1966. 99.8 Ar14
- 51536 ANTIKAINEN, P. J. 60 years teaching of chemistry in the Department of Agriculture at the University of Helsinki. (Fi) *Suomen Kem. A.* 39(1):2-6. Ref. 1966. 385 Su7
- 51537 BELL, E., ed. Molecular and cellular aspects of development. New York, Harper & Row, 1965. 525 p. Ref. QH573.B4
Includes agricultural subjects.
- 51538 BOLLWAHN, L., and CUSHMAN, S. Michigan youth boost emergency preparedness. *Ext. Serv. Rev.* 37(2):8-10. Feb. 1966. 1 Ex892Ex 4-H program on rural defense.
- 51539 BORNHOLMS LANDOKONOMISKE FORENING. Beretning [Report of Bornholm's Agricultural Economic Association], 1964-65. n.p., 1965. 14 p. 11 B64B
- 51540 DENMARK. ATOMENERGIKOMMISSIONEN. Report [of the Danish Atomic Energy Commission] for the period from April 1st, 1964 to March 31st, 1965. Copenhagen, 1965. Ref. 96 p. 334 D412
Includes the Agricultural Research Department.
- 51541 DENMARK. KEMIKALIEKONTROLLEN. The Government Pesticide Control [Kemikaliekontrollen] in the fiscal year 1964-65, by J. L. Schnicker. (Da) *Tidsskr. Planteavl* 69(3):428-439. 1965. 11 T439
- 51542 DINTER, H. Nature and landscape protection in the Cologne area. (Ge) *Allg. Forstz.* 20 (51/52):820,822. Dec. 18, 1965. 99.8 AL52
- 51543 EIPPER, A. W., and REGIER, H. A. Fish management in New York farm ponds. Cornell Univ. *Ext. Bull.* 1089, rev., 40 p. Nov. 1965. 275.29 N48E
- 51544 ELLERMAA, E. Nature conservation in Saaremaa. (Es) *Eesti Loodus* 2:94-101, map. Mar./Apr. 1965. 409.6 Ee7
- 51545 ERV'YE, YU. The resources of the Tyumen' North. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 250:19-21. Dec. 29, 1965. (JPRS 33,523; TT 65-34097; CSO 1840-N) 173 J663Sove
Translation from *Ekonomicheskaya Gazeta* 44:35. Nov. 1965.
- 51546 FISTERE, C. M. Pesticide residues—legal aspects. *Food Drug Cosmet. Law J.* 20(12):684-694. Dec. 1965. 389.58 F732
Includes tolerances.
- 51547 FLOYD, B. N. Landscapes from the air. *J. Geogr.* 45(3):125-128. Mar. 1966. 278.8 J82
For land use, soil, and vegetation studies.
- 51548 GOLYSHIN, N. M., and KUKALENKO, S. S. Elaboration and study of new economic poisons in USA. (Rus) *Khim. Sel'skom Khoz.* 4(1):66-73. Ref. Jan. 1966. 385 K524
- 51549 HAGERS-TOWN town and country almanack for the year of Our Lord 1966. Hagerstown, Md., 1965. 48 p. 30.3 H12
- 51550 HENKEL, H. G. Gas and thin layer chromatography as methods of residue analysis. (Ge) *Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt.* 115:103-106. June 1965. 410.9 G31M
Economic poisons.
- 51551 JACOB, F. C., and ZAJANE, A. Starling electrocution. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(4):581. 1965. 290.9 Am32T
As an agricultural pest.
- 51552 KARPATI, Z. Preservation of parks and regions, or preservation of nature? (Hu) *Buvar* 10(5):263-265. Sept./Oct. 1965. 410 B98
- 51553 KHALFIN, R., and KHAYDAS, G. Problems of improving the organization of material and technical supplies to agriculture. U. S. Joint Publ. Res. Serv. *Transl. Soviet Agr.* 87:1-8. July 29, 1965. (JPRS 31,306; TT 65-31803; CSO 1840-N) 173 J663Tso
Translation from *Voprosy Ekonomiki* 5:15-21. May 1965.
- 51554 KLJAJIC, R. Importance of the problem of residual effectiveness of economic poisons from the international point of view. (Se) *Savremena Poljoprivreda* 13(1):67-77. Ref. Jan. 1965. 21 P75
- 51555 KLUSSMANN, W. What makes fish bite? *Tex. Agr. Progr.* 12(1):7-8. Winter 1966. 100 T31Te
- 51556 KOPPARBERGS LANS HUSHALLNINGSSALLSKAP. Handlingar [Proceedings of Kopparberg Province Agricultural Society], 1964, v. 113. Falun, 1965. 124 p. 11 K83
- 51557 KRAXZKOWSKI, H. Thin-layer chromatography and its use. (Pol) *Med. Weter.* 21(6):368-372. June 1965. 41.8 M463
Agricultural.
- 51558 LARSON, T. A. 75 years of statehood for Wyoming "home on the range." *Reclam. Era* 51 (4):93-97. Nov. 1965. 156.84 R24
Agricultural history including reclamation.
- 51559 LINTON, K. J., and BALL, R. C. A study of the fish populations in a warm-water stream. *Mich. Agr. Exp. Sta. Quart. Bull.* 48(2):255-285, map. Ref. Nov. 1965. 100 M58S
- 51560 LOUISIANA, DEPT. OF AGRICULTURE AND IMMIGRATION, DIV. OF AGRICULTURAL CHEMISTRY. Annual report, July 1964-June 1965: fertilizers, feeds, pesticides. Baton Rouge, 1965. 119 p. 381 L932
Analyses.
- 51561 LOVE, J. A. Prevention of cross contamination of pesticide chemicals. *Soap Chem. Spec.* 42(2):75-76, 78, 107. Feb. 1966. 307.8 S012
During manufacture.
- 51562 MARAIS, P. G. A simple and accurate method to correct for counting losses caused by resolving times of nucleonic apparatus. *So. Afr. J. Agr. Sci.* 8(3):889-892. Sept. 1965. 24 Su3
- 51563 MATHEMATISCHE und naturwissenschaftliche Grundlagen: Landwirtschaft [Mathematical and natural science foundations: Agriculture], by F. Haseloff, E. Lehrack, G. Letsch, H. Meissner, H. Reichelt, H. Rudolph, and R. Ulrich. Berlin, Deutscher Landwirtschaftsverlag, 1965. 463 p. S517.G3M3
Mathematics, physics, chemistry and biology study plan for agriculture.
- 51564 MINNESOTA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Agricultural and food chemicals today. *Minn. Univ. Ext. Bull.* 327, 11 p. Oct. 1965. 275.29 M66S
Includes economic poisons, feed and food additives, and hazards and safeguards.
- 51565 MOURIER, E. Large estates and nature protection. (Da) *Tolvmandsbladet* 37(8):374-376. Aug. 1965. 11 T58
- 51566 NORTH AMERICAN WILDLIFE AND NATURAL RESOURCES CONFERENCE, 30, WASHINGTON, D. C., 1965. Transactions, edited by J. B. Trefethen. Washington, 1965. 493 p., map. Ref. 412.9 N814
Includes agricultural aspects.
- 51567 NOYES DEVELOPMENT CORPORATION. Chemical guide to the United States. Ed. 4. Park Ridge, N. J., 1966. 135 p. TP12.N6
- 51568 ORLYANKIN, K. New procedure for material and technical supply to kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 262:21-23. Mar. 11, 1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from *Ekonomika Sel'skogo Khoz- ystva* 12:119-120. Dec. 1965.

- 51569 OSTERGOTLANDS LANS HUSHALLNINGS-SALLSKAP. Report of the Agricultural Society of Ostergotland, 1964. II. (Sw) Ostergotlands Lans Hushallningssalsk. Handl. 1965:3-94, map. 11 Sw32H
- 51570 PLESKO, M. Problems of the export of pesticides. (Cz) Agrochemia [Bratislava] 5(6):161-162. 1965. 385 Ag88
English summary.
- 51571 POPOV, P. V. Statistical analysis of research indices by means of progressive line "pesticide dose-effect." (Rus) Khim. Sel'skom Khoz. 3(10):72-79. Oct. 1965. 385 K524
Determination of toxicity.
- 51572 PRINCE EDWARD ISLAND. DEPT. OF AGRICULTURE. Annual report for the fiscal year ended March 31st, 1965. Charlottetown, 1965. 108 p. 7 P93A
- 51573 PROSSER, C. L. Theory of physiological adaptation of poikilotherms to heat and cold. Mo. Agr. Exp. Sta. Spec. Rep. 59,31 p. Ref. Dec. 1965. 100 M693Sp
- 51574 PURANDARE, G. M., and RAO, G. S. Antibiotics literature index—a select bibliography. Hindustan Antibiot. Bull. 7(4):232-255. May 1965. 396.8 H58
- 51575 REITALU, M. On the wooden meadows at Tagamoisa. (Es) Eesti Loodus 2:108-110. Mar./Apr. 1965. 409.6 Ee7
English summary, p.4 preceding p.65.
A nature reserve.
- 51576 RHODES, M. E. Flagellation as a criterion for the classification of bacteria. Bacteriol. Rev. 29(4):442-465. Ref. Dec. 1964. 448.3 B13
Bacteria of agricultural interest included.
Review of literature.
- 51577 SITTENFIELD, M. Expanding markets for chemical specialties in Central America. Soap Chem. Spec. 41(12):129,131,133,135,271, map. Dec. 1965. 307.7 Sol2
- 51578 SYLVESTRE. Reform in the Ministry of Agriculture. (Fr) Agriculture [Paris] 28(282):323, 325. Oct. 1965. 14 Ag823
- 51579 TEXAS INSTRUMENTS. SCIENCE SERV. DIV. An inventory of geographic research of the humid tropical environment. Volume 1. KWIC index humid tropical environmental literature, by H. Vogel. Dallas, 1965. various paging. QH84.5.T4
Sponsored by U. S. Army Research Office Environmental Division Regional Branch, Arlington, Virginia for the U. S. Army Natick Laboratories, Earth Sciences Branch, Natick, Massachusetts under Contract DA49-092-ARO-33.
Includes flora, insect fauna, and soils.
- 51580 U. S. DEPT. OF AGRICULTURE, GRADUATE SCHOOL. Lecture series: Design in the Federal Government, designed by G. L. Baka; edited by T. R. Crane. Washington, 1965. 58 p. A317 Ag82
Lectures by A. Heckscher, I. Chermayeff, E. Noyes, F. D. Lethbridge, and panel discussion by S. D. Ripley, J. B. Cabot, N. E. Halaby, and A. J. Moller.
- 51581 U. S. DEPT. OF THE INTERIOR. OFF. OF INFORMATION. Natural resources of Texas. Washington, 1965. 64 p. HC107.T4U5
Includes land, forest, and recreational resources.
- 51582 VASTERNORRLANDS LANS HUSHALLNINGS-SALLSKAP. Handlingar [Proceedings of the Vasternorrland's Province Agricultural Society], 1964. Harnosand, 1964. 117 p. 11 V44
- 51583 VASTMANLANDS LANS HUSHALLNINGSSALLSKAP. Report of Vastmanland Province Agricultural Society. (Sw) Vastmanland Lans Hushallningssallsk. Tidskr. 3:24-55. 1965. 11 V44T
- 51584 VIANELLI, A. A common resource to safeguard: the landscape. (It) Mercanzia 20(5): 366-369. May 1965. 287 B635
- 51585 VITAMINS and hormones; advances in research and applications, volume 23, 1965, edited by R. S. Harris, I. G. Wool, and J. A. Loraine. New York, Acad. Press, 1965. 423 p. Ref. 386.2 H243
- 51586 WASHINGTON. AGRICULTURAL CHEMICAL LABORATORY. Report on commercial feeds, fertilizers, pesticides for July 1, 1964 through December 31, 1964. Olympia, 1965. 56 p. 389.79 W523
Regulations and analyses.
- 51587 WATSON, J. D. Molecular biology of the gene. New York, Benjamin, 1965. 494 p. (Biology Teaching Monograph Series) 443 W33
Includes agricultural examples.
- 51588 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Big game animals and furbearers; Unit B, wildlife conservation. Wyo. Univ. Ext. [4-H Club. Circ.] WL-10,67 p. Ref. June 1965. 275.29 W99Fc
Wyoming Game and Fish Department, cooperating.

BIOGRAPHY

- 51589 ALBERTO Brunoli, what a fellow! (It) Avicoltura 34(6):177-178. June 1965. 47.8 R523
- 51590 ALEXANDER, Macdonald Diesel. S. Afr. Vet. Med. Ass. J. 36(3):411-412. Sept. 1965. 41.8 So8
Obituary.
- 51591 ALTROGGE. Address, June 1, 1965, bestowing the M. P. Neumann Medal upon Dr. Alfred Rotsch, Detmold. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:I-III. 389.9 Ar1
For research in the field of grain chemistry.
- 51592 ANDREAE, B. Friedrich Aereboe's contribution to economic theory. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p. 19-38. Ref. 1965. 281 H193
- 51593 ATLE Brødholt will be 75 years old. (No) Meieriposten 55(6):126. Feb. 12, 1966. 44.8 M47
- 51594 BAER, J. G. Louis Agassiz, one of the last romantic naturalists of the nineteenth century. (Ge) Schweiz. Naturschutz 31(3):82-85. June 1965. 279.8 Sch9
- 51595 BANE, A. Nils Lagerlof will be 70 years old. (Sw) Svensk Veterinartidn. 17(15):456-457. Aug. 1965. 41.9 Sv23
- 51596 BARRAU, J. Isaac Henry Burkill (1870-1965). (Fr) J. Agr. Trop. Bot. Appl. 12(4/5):221-222. Apr./May 1965. 26 J822
- 51597 BARTELS, H. Prof. Dr. Hugo Keller died. (Ge) Berliner Munchener Tierarztl. Wochens. 79(4):80. Feb. 15, 1966. 41.8 B45
- 51598 BARTELS, H. Professor Dr. Hugo Keller of Giessen died. (Ge) Deut. Tierarztl. 14(2):41-42. Feb. 5, 1966. 41.8 D484
- 51599 BATES, R. G. Washington, feed & farm supply owner. Feed Farm Supplier 40(2):16-17. Feb. 1966. 47.8 H28
- 51600 BEKE, F. Aladar Porpaczy, 1903-1965. (Hu) Novenytermeles 14(4):287-288. Dec. 1965. 64.8 N76
- 51601 BELOUSOV, M. A. Hundred years from the birthday of Academician D. N. Pryanishnikov. (Rus) Khlopkovodstvo 1:18-20. Jan. 1966. 72.8 K522
- 51602 BENES, K. Obituary, RNDR Ivan Hrsel, CSc (1926-1965). Biol. Plant. 7(6):406-408. 1965. 450 B52
Includes list of publications.
- 51603 BERTUCCIOLI, U. Necrology of Count Antonio Bullo. (It) Agr. Venezia 19(3):109-111. Mar. 1965. 16 Ag826
- 51604 BLUM, J. Hans Zweifel, district veterinariān died. (Ge) Schweiz. Arch. Tierheilk. 107(12): 709-710. Dec. 1965. 41.8 Sch9

- 51605 BOAS, P. Thorvald Moller-Jensen, 8.3.1905-12.6.1965. (Da) Danske Dyrlegefor. Medlemsbl. 49(2):89. Jan.15,1966. 41.9 D23
- 51606 BOOM, B. K. Dr. H. W. de Boer is 80 years old. (Du) Succulenta 44(9):133-134. Sept.1965. 450 Su12
- 51607 BÖRGEN, H. The dairy economist and organization man. (No) Meieriposten 55(2):37-39. Jan.15,1966. 44.8 M47
Tribute to Rasmus Mork.
- 51608 BORISOVICH, F. K., and others. An outstanding figure in Belorussian veterinary medicine; the ninetieth birthday of E. F. Alonov. (Rus) Veterinariya 12:94-95. Dec.1965. 41.8 V3426
V. P. Panasenko, M. G. Khatin, and V. I. Kar-yagin, joint authors.
- 51609 BRANDT, K. Friedrich Aereboe's contribution to the agricultural policy and food economics knowledge of the world. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wundigung und Auswahl aus seinen Werken. p.36-63. Ref. 1965. 281 H193
- 51610 BURGOS, J. J., and BULONG, H. P. Top tobacco expert. Philippine Tobacco Rev. 2(1):12-14,31. Jan./Mar.1965. 286.89 P53
On U. V. Madamba.
- 51611 BUSENGDAL, P. E. Oystein R. Eriksen will be 60 years old. (No) Gartneryrket 55(51):1234. Dec.17,1965. 80 G1938
- 51612 CECIL Jackson. S. Afr. Vet. Med. Ass. J. 36(3):409-410. Sept.1965. 41.8 So8
Obituary.
- 51613 CELEBRATION of the 70th birthday of professor Dr. K. Diernhofer; bestowing the honorary doctorate from Veterinary College [Tierärztliche Hochschule] of Hanover and presentation of Theodor-Kitt-Plaque. (Ge) Wien. Tierarztl. Monatsschr. 52(8):800-808. Aug.1965. 41.8 T345
- 51614 CHALUFOUR, J. Bernard Palissy (1510-1589). Avenir Agr. 6:51-53. Nov. Dec.1965. 14 Av32
Includes agricultural notes from his work.
- 51615 CHEREMISINOV, N. A. Appollinarily Semenovich Bondartsev. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.8,1964:23-24. (JPRS 26,804; TT 64-51061; CSO 10807-D) 173 J663Bio
Agronomist and phyto-pathologist.
Translation from Zashchita Rastenii ot Vreditelei i Boleznei 8:60-61. Aug.1962.
- 51616 CHEREMISINOV, N. A. Evgenii Mikhaylovich Stepanov. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.8,1964:25. (JPRS 26,804; TT 64-51061; CSO 10807-D) 173 J663Bio
Entomologist.
Translation from Zashchita Rastenii ot Vreditelei i Boleznei 8:60. 1962.
- 51617 CONGER, A. D. Louis Harold Gray, MA, Ph.D., FRS 1905-1965. Radiat. Bot. 6(1):i. Feb.1966. 450 R11
- 51618 CONSULTANT Magnus Larsen is 50 years old. (No) Gartneryrket 55(51):1236. Dec.17,1965. 80 G1938
- 51619 DEGELIUS, G. Adolf Hugo Magnusson, 3/1/1885-7/14/1964. Svensk Bot. Tidskr. 59(3):393-410. 1965. 450 Sv2
Includes list of publications.
- 51620 DIDWANIA, H. P. Dr. Louis E. Wise retires from the Institute of Paper Chemistry. Indian Pulp Pap. 20(7):471-473. Jan.1966. 302.8 In23
- 51621 DIERNHOFER, K. Professor Dr. Ottokar Hans Henneberg died. (Ge) Wien. Tierarztl. Monatsschr. 52(8):739-740. Aug.1965. 41.8 T345
- 51622 DISTRICT councilor Dr. Tilo von Wilmowsky died. (Ge) Landtechnik 21(5):124. Mar.1,1966. 58.8 L235
- 51623 DR. ALEKSANDER Ratomski died. (Pol) Med. Weter. 21(10):639. Oct.1965. 41.8 M463
- 51624 DR. CLARKSON named director of new FDA bureau. Amer. Vet. Med. Ass. J. 148(4):468 Feb.15,1966. 41.8 Am3
M. R. Clarkson, director of the Bureau of Veterinary Medicine.
- 51625 EDITOR and Secretary Heikki Norri will be 50 years old. (No) Meieriposten 55(6):125. Feb.12,1966. 44.8 M47
- 51626 80 YEARS old. (Da) Maelkeritidende 79(1):18-19. Jan.7,1966. 44.8 M26
L. C. Larsen.
- 51627 EINAR Loe will be 60 years old. (No) Meieriposten 54(51):1068-1069. Dec.18,1965. 44.8 M47
- 51628 EIS, G. Informations on Paul von Liechtenstein. (Ge) Tierarztl. Umsch. 21(1):35-36. Jan.1,1966. 41.8 T445
In relation to veterinary history.
- 51629 ENGINEER and inventor Alois Wicha died. (Ge) Deut. Agrartech. 16(2):52. Feb.1966. 58.8 D482
- 51630 ERLAND, S. Iver Skreden in memory. (No) Meieriposten 55(7):149-151. Feb.19,1966. 44.8 M47
- 51631 FISCHERSTROM, N. Arvid Flytstrom. (Sw) Gavleborgs Lans Hushallningssallsk. Lantbrukstidskr. 41(4):1. 1965. 11 G24L
- 51632 FLEMMING, H. Kurl Strunz's ten years' editorship in the Zentralinstitut fur Holztechnologie in Dresden. (Ge) Holztechnologie 6(4):279. Nov.1965. 99.8 H744
- 51633 GEHRKE, E. Animal husbandry leader Dr. Erich Kuppelmayr is 60 years old. (Ge) Tierzucht 20(1):53-54. Jan.1966. 49 T443
- 51634 GEZELIUS, L. Lennart Walstedt will be 80 years old. (Sw) Farskotsel 45(8):245. 1965. 45.9 Sv2
- 51635 GILKERSON, F. In memoriam. Calif. Avocado Soc. Yearbook 48:8-11. 1964,pub.1965. 81 C128
Biography of Marvin Rounds.
- 51636 GLOVER, P. E. Prof. S. G. Wilson, C.B.E. Nature [London] 209(5025):757-758. Feb.19, 1966. 472 N21
- 51637 GRZIMEK, B. Alfred Seitz 60 years old. (Ge) Zool. Gart. (n.s.)31(5):258-261. 1965. 410 Z724
- 51638 HALMAI, J. On the memory of Bela Augustin. (Hu) Herba Hung. 4(1):3-18. 1965. 71.8 H413
German summary.
- 51639 HANAU, A. Friedrich Aereboe as initiator of agricultural market research. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p.162-198. Ref. 1965. 281 H193
- 51640 HANAU, A., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken aus Anlass der 100. Wiederkehr seines Geburtstages [Friedrich Aereboe; appraisal and selection of his works on the occasion of the 100th anniversary of his birth]. Hamburg, Parey, 1965, 365 p. Ref. 281 H193
- 51641 HAUTION, R. Jehan de Brye. (Fr) Agriculture [Paris] 28(279):207. June 1965. 14 Ag823
Shepherd-poet of the 14th century in France.
- 51642 HILF, H. H. Wilhelm Leopold Pfeil Prize; Ulrich Rodenwaldt-recipient 1965. (Ge) Forstarchiv 36(10):218-221. Ref. Oct.1965. 99.8 F7723
Includes list of publications.
- 51643 HOLLIGER, E. Dr. med. vet. Jean Eich, district veterinarian, Lenzburg died. (Ge) Schweiz. Arch. Tierheilk. 107(12):708-709. Dec.1965. 41.8 Sch9
- 51644 IN MEMORIAM J. W. Pette. (Ge) Milchwissenschaft 21(2):65-67. Feb.1966. 44.8 M5933
- 51645 IN MEMORY of state veterinary councilor, veterinarian Jakob Bacher. (Ge) Wien. Tierarztl. Monatsschr. 52(7):739-740. July 1965. 41.8 T345
- 51646 IOSIF Stepanovich Gorshkov. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:157. Jan.1966. 20 V633

- 51647 IVARSON, E. In memory of Lars Voll. (No) Meieriposten 54(52):1085. Dec.24,1965. 44.8 M47
- 51648 IVER Skreden is dead. (No) Meieriposten 55(6):127-128. Feb.12,1966. 44.8 M47
- 51649 JABLONKAY, J. In memory of Miklos Reskovits. (Hu) Rovartani Közlemenyek (n.s.)18 (1/17):1-3. 1965. 420 So12
- 51650 JACOBSON, D. Recognition of 4 distinguished cooperative leaders. In U. S. Farmer Cooperative Serv. A recording of the Cooperative Observance, October 1964, U. S. Department of Agriculture, p.22-23. 1965. A280.2 F22
L. S. Hulbert, J. G. Knapp, E. G. Nourse, and H. C. Taylor.
- 51651 JACOBY, R. A word of farewell. (Ge) Deut. Bienenwirtsch. 17(1):10-11. Jan.1966. 424.8 D489
To Dr. Anton Budel, editor of the Deutsche Bienenwirtschaft.
- 51652 JAMALAINEN, E. A. Onni Pohjakallio, 1903-1965. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(4):235-242. 1965. 20 Su7M
English summary.
Eminent agricultural scientist.
- 51653 JANTTI, A. Otto Valle. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:12-17. 1965. 20 Su7
- 51654 JEPPESEN, M. S. Overgaard will be 80 years old. (Da) Maelkeritidende 79(9):196-197. Mar.4,1966. 44.8 M26
- 51655 KARL, F. Prof. Dipl. Ing. Dr. Max Schreiber retired. (Ge) Centralbl. Gesamte Forstwesen 82(4):254-255. Dec.1965. 99.8 C33
- 51656 KARPATI, Z. K. Pill the researcher of the flora of Sopron. (Hu) Elovilag 10(2):93-95. 1965. 410 EL6
- 51657 KATAYAMA, S. In memory of the late Prof. Hermann Knuchel. (Ja) Forest Econ. 18(4):41-42. Apr.1965. 99.8 R474
- 51658 KELLER, H. P. The retirement of Federal Council member Dr. F. T. Wahlen. (Ge) Agrarpolit. Rev. 22(5):187-191. Jan.1965. 281.8 Ag824
- 51659 KIVINEN, E. Paavo A. Viding, 1899-1965. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(4):231-234. 1965. 20 Su7M
Agronomist.
- 51660 KLENK, G. and FAILLARD, H. Professor Ernst Klenk. Amer. Oil Chem. Soc. J. 43(2): 48A,50A,78A. Feb.1966. 307.8 J82
- 51661 KOMPANEETS, M. The pride of Russian science (V. S. Pustovoit). (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:135-137. Jan.1966. 20 V633
- 51662 KOVACS, I. In memoriam P. Gonczy. (Hu) Elovilag 10(2):118-120. 1965. 410 EL6
- 51663 KUDRYASHOV, L. V. Gugo Edgarovich Grosset sixtieth birthday anniversary. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci. Aug.3,1964:6-9. (JPRS 25,702; TT 64-31974) 173 J663Bio
Geobotanist.
Translation from Botanicheskii Zhurnal [Moscow] 49(2):179-181. 1964.
- 51664 LARS VOLL is dead. (No) Meieriposten 54 (52):1084. Dec.24,1965. 44.8 M47
- 51665 LARSEN, C. S. Forester Peter Bloch, 1894 to 1965. (Da) Dansk Skovfor. Tidsskr. 51(2):33-35. Feb.1966. 99.8 D23
- 51666 LEE, F. P. B. Y. Morrison, 1891-1966. Amer. Hort. Mag. 45(1):iii-iv. Jan.1966. 80 N216
- 51667 LEWANDOWSKI, M. Franciszek Klepaczko. (Pol) Med. Weter. 21(6):382-383. June 1965. 41.8 M463
Necrology.
- 51668 LJUNG, W. International Dairy Federation. (No) Meieriposten 55(2):39-40. Jan.15,1966. 44.8 M47
Tribute to Rasmus Mork, a former president of the International Dairy Federation.
- 51669 LUPINOVICH, I. S. 70th birth anniversary of P. P. Rogovoi. (Rus) Pochvovedenie 2:109-110. Feb.1966. 57.8 P34
- 51670 MAGNO, C. L. Postscript: little known accomplishments. Philippine Tobacco Rev. 2(1): 14-15,35. Jan./Mar.1965. 286.89 P53
Work of U. V. Madamba.
- 51671 MALYSHEV, E. I. Anatolii Efimovich Kovarskii. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.23,1964:4-6. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio
Agronomist, botanist and research worker.
Translation from Vestnik Sel'skokhozyaistvennoi. Nauki 5:104-105. 1964.
- 51672 MANCHESTER, D. F. A tribute to the late Dr. C. B. Purves. Pulp Pap. Mag. Can. 67(C):150-151. 1966. 302.8 P96
- 51673 MANDY, GY. Odon Villax 1899-1964. Acta Agron. [Budapest] 15(3-4):383-386. 1965. 19 Ac8
- 51674 MARIUS Nielsen. (Da) Dansk Pelsdyravlt 29 (2):72. Feb.20,1966. 412.628 D23
- 51675 MATVEI Gerasimovich Eliashberg. (Rus) Bumazhn. Promysh. 5:29. May 1965. 302.8 B88
- 51676 MEYER, A. B. On the retirement of Henry Clepper. J. Forest. 64(3):216-217. Mar.1966. 99.8 F768
- 51677 MIKHAIL Petrovich Elsukov. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:158. Jan.1966. 20 V633
- 51678 MITSCHERLICH, G. Professor Dr. h. c. [Siegmond] Schermer of Gottingen is 80 years old. (Ge) Deut. Tierarztl. 14(2):42. Feb.5, 1966. 41.8 D484
- 51679 MITSCHERLICH, G. Professor Dr. Reinhard Schober is 60 years old. (Ge) Allg. Forst- Jagdzeitung 137(2):52. Feb.1966. 99.8 AL3
- 51680 MOORE, R. J., and GRANT, W. F. Lulu Odell Gaiser, 1896-1965. Can. J. Genet. Cytol. 7(3): 2 p.following cover. Ref. Sept.1965. 443.8 C16
- 51681 MORGENTHALER, O. A celebration in Liebfeld in honor of Dr. Anna Maurizio. (Ge) Deut. Bienenwirtsch. 17(1):11-13. Jan.1966. 424.8 D489
- 51682 MORGENTHALER, O. The retirement of Dr. Anna Maurizio. (Ge) Z. Bienenforsch. 8(5): 130-140. Jan.1966. 424.8 Z3
Includes list of publications.
- 51683 NABHOLZ, A. Retirement of Dr. Ernst Fritsch, director of the Federal Veterinary Office [Eidgenossisches Veterinaramt]. (Ge) Schweiz. Arch. Tierheilk. 107(12):653-655. Dec.1965. 41.8 Sch9
- 51684 NICHOLSON, G. W. E. Presentation of the TAPPI Gold Medal. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(3):52A. Mar.1966. 302.8 T162
To Allen Abrams for contribution in the pulp and paper industry.
- 51685 NIEHAUS, H. Friedrich Aereboe as a maker of agricultural policy. (Ge) In Hanau, S., ed. Friedrich Aereboe: Würdigung und Auswahl aus seinen Werken, p.64-83. 1965. 281 H193
- 51686 NIKOLAI Nikolaevich Gil'dshtein. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:157-158. Jan. 1966. 20 V633
- 51687 OBITUARY: C. W. Scott. Scot. Forest. 20(1): 61-62. Jan.1966. 99.8 Sco3
- 51688 OLAV Benterud is 60 years old. (No) Meieriposten 54(51):1067-1068. Dec.18,1965. 44.8 M47
- 51689 OPPENHEIMER, H. R. Professor Michael Evenari. Israel J. Bot. 13(2/4):47-56. Ref. Mar.1965. 450 Is7
Includes list of publications.
- 51690 OUR PORTRAIT; Dr. Ing. Christian Eichler. (Ge) Deut. Agrartech. 16(1):3. Jan.1966. 58.8 D482
- 51691 OUR PORTRAIT; Willi Zimmermann. (Ge) Deut. Agrartech. 16(2):52. Feb.1966. 58.8 D482

- 51692 PANCHENKO, A. YA. 80th anniversary of Academician V. S. Pustovoit. (Rus) Selek. Semenovodstvo 1:41-45. Jan./Feb.1965. 61.9 Se5
- 51693 PATLIE, J. A Kelly Pruitt: cowboy with a paint brush. Cattleman 52(9):48-49. Feb.1966. 49 C29
- 51694 PELSHENKE, P. F. Address bestowing the Neumann medal upon Professor J. Bure, Paris, Massy, June 3, 1964. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:I-V. 389.9 Ar1
For research in grain chemistry.
- 51695 PINAR MIURA, J. M. The Normann Medal to our director. (Sp) Grasas Aceites 16(6):268-269. Nov./Dec.1965. 307.8 G76
Presented to J. M. Martinez Moreno by the Deutsche Gesellschaft fur Fettwissenschaft.
- 51696 POHL, H. Animal husbandry leader Dr. Gunter Schroder died. (Ge) Tierzucht 20(1):54. Jan. 1966. 49 T443
- 51697 PRASADA, R. Raghunath Prasad Asthana, 1906-1965. Indian Phytopathol. 18(2):i-ii. 1965. 464.8 In2
- 51698 PROFESSOR Dr. L. M. G. Geurden, Emeritus. (Fl) Vlaams Diergeneesk. Tijdschr. 34(3):77-78. Mar.1965. 41.8 V84
- 51699 PROFESSOR Gy. E. Guoth is 80 years old. (Hu) Magyar Allatorv. Lapja 20(12):574. Dec.1965. 41.8 V644
- 51700 PROFESSOR Johs. Hoie will be 75 years old. (No) Fjorfe 83(1):21. Jan.1966. 47.8 T432
- 51701 PROFESSOR Rasmus Mork will be 70 years old. (No) Meieriposten 55(2):31-34. Jan.15, 1966. 44.8 M47
- 51702 PROFESSOR Otto Vallen Juhlajulkaisu. Jubilee issue in honour of Professor Otto Valle. Suomen Maataloustieteellinen Seura. Julkaisu 107, 344 p., maps. Ref. 1965. 20 Su7
English summaries.
Includes list of publications.
- 51703 RABOTNOV, T. A. On the 60th birthday of Ivan Afanas'evich Tsatsenkin. (Rus) Bot. Zhur. [Moscow] 50(11):1654-1659. Nov.1965. 451 R923
Includes list of publications.
- 51704 RAO, P. K. Bharat Ratna Sir M. Visvesvaraya. Nagpur Agr. Coll. Mag. 38(4):1-6. 1964/65. 107.5 N132
Promoted irrigation projects.
- 51705 RESEARCHER, scientist and pedagogue. (Rus) Les. Khoz. 9:24-25. Sept.1965. 99.8 L5622
Ivan S. Melekhov.
- 51706 RICHTER, L. The work of Friedrich Aereboe: a bibliographic compilation. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p.199-208. 1965. 281 H193
- 51707 RICHTZENHAIN, H. On the 80th birthday of Karl Freudenberg. (Ge) Holzforschung 20(1):1-2. Feb.1966. 99.8 H74
- 51708 RIES, L. Friedrich Aereboe's opinions on education and extension seen at the present. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p. 111-132. 1965. 281 H193
- 51709 RINGEN, J. Statens Ernaeringsrad [The State Nutritional Committee] -FAO. (No) Meieriposten 55(2):40-41. Jan.15,1966. 44.8 M47
Tribute to Rasmus Mork on behalf of Statens Ernaeringsraad.
- 51710 ROBERT B. Kennedy, pine logger. Pacific Logging Congr. Loggers Handbook 25(sect.1):7. 1965. 99.76 P112La
- 51711 ROLFES, M. Friedrich Aereboe as man and teacher. (Ge) In Haus, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p.9-19. 1965. 281 H193
- 51712 RUBARTH, S. Professor Vald. Adersen in memoriam. (Sw) Svensk Veterinartidn. 17(15):461. Aug.1965. 41.9 Sv23
- 51713 RUBIN, E. A. Arkadii Semenovich Okanenکو. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.23,1964:10-13. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio
Agronomist, biologist and plant physiologist. Translation from Fiziologiya Rastenii 4:757-758. 1964.
- 51714 RUCKES, H. Chris Emil Olsen. N. Y. Entomol. Soc. J. 73(4):243. Dec.1965. 420 N48J
- 51715 RYPACEK, V. 70th birthday of academician S. Prat. Biol. Plant. 8(1):1-4. 1966. 450 B52
Includes list of publications.
- 51716 SCHAAF, A. VAN DER. Prof. Dr. D. A. de Jong as the founder of the Dutch comparative pathology. (Du) Tijdschr. Diergeneesk. 91(2):75-81. Jan.15,1966. 41.8 T431
English summary.
- 51717 SCHORGER, A. W. In memoriam: Paul Lester Errington. Auk 83(1):53-65. Jan.1966. 413.8 Au4
Includes list of publications.
- 51718 SCHREIBER, J. In memory of Erwin Gratzl. (Ge) Wien. Tierarztl. Monatsschr. 52(9):813-816. Sept.1965. 41.8 T345
- 51719 SHASHKOV, N. YA. A man of great deeds-- V. A. Sergeev. (Rus) Veterinariya 12:5-6. Dec.1965. 41.8 V6426
- 51720 SIGVARD Skjorestad will be 60 years old. (No) Meieriposten 55(2):43-44. Jan.15,1966. 44.8 M47
- 51721 SINYAGIN, I., and SHEDEROV, S. Oskar Karlovich Kedrov-Zikhman. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.23, 1964:1-3. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio
Death of a famous Soviet agricultural chemist. Translation from Vestnik Selskikhkhozyaistvenoi Nauki 5:157-158. 1964.
- 51722 60 YEARS old. (No) Norsk Skogindus. 19(12):531-532. Dec.1965. 99.82 N81
Eriling Jensen.
- 51723 SOLBERG, P. Greetings to Rasmus Mork. (No) Meieriposten 55(2):35-37. Jan.15,1966. 44.8 M47
- 51724 STANISLAV Ivanovich Shteiman, 1887-1965. (Rus) Zhivotnovodstvo 1:90-91. Jan.1966. 49 Z6
- 51725 STEINMETZER, K. Veterinarian, professor Dr. Erwin Jungherr died. (Ge) Wien. Tierarztl. Monatsschr. 52(10):953-954. Oct.1965. 41.8 T345
- 51726 SVERRE Aga will be 50 years old. (No) Meieriposten 54(51):1069-1070. Dec.18,1965. 44.8 M47
- 51727 SZUBA, Z. Anatomical studies of Stefan Zermoski. (Pol) Med. Weter. 21(8):502-503. Aug.1965. 41.8 M463
- 51728 THREE contenders for 1966 AVMA president-elect. Amer. Vet. Med. Ass. J. 148(2):197-199. Jan.15,1966. 41.8 Am3
Includes biographies of M. W. Allam and W. R. Krill.
- 51729 TODHUNTER, E. N. Biographical notes from the history of nutrition: Albert Garland Hogan-- December 31, 1884-January 25, 1961. Amer. Diet. Ass. J. 48(2):152. Feb.1966. 389.8 Am34
- 51730 VARGA, J. Jozsef Gyarfás, 1875-1965. (Hu) Novenytermeles 14(4):285-286. Dec.1965. 64.8 N76
- 51731 VEEN, R. VAN DER. Professor Dr. V. J. Koningsberger. Acta Bot. Neer. 14(3):265. Nov.1965. 450 Ac822
- 51732 VLADIMIR Nikolaevich Zavaritskii. (Rus) Pochvovedenie 1:113. Jan.1966. 57.8 P34
- 51733 W. J. STUART Sloan. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. 29(3):76. Jan.1,1966. 65.9 Q3C
- 51734 WATSON, W. F. Thomas Hancock--one hundred years after. Rubber Develop. 18(4):118-123. 1965. 305.8 R828
- 51735 WEKRE, E. Sverre Tjessem in memory. (No) Meieriposten 55(3):60-61. Jan.22,1966. 44.8 M47

- 51736 WEST-NIELSEN, G. Soren Lybye. (Da) Dansk Skovfor. Tidsskr. 50(8):317-318. Aug.1965. 99.8 D23
Necrology.
- 51737 WHITBY, G. S. Johan Rudolph Katz, 1880-1938. Rubber J. 148(2):44.46-47,50-51. Ref. Feb.1966. 305.8 In21
- 51738 WIERZBOWSKI, S. Professor Nils Lagerlof is 70 years old. (Pol) Med. Weter. 21(10):638-639. Oct.1965. 41.8 M463
- 51739 WILBRANDT, H. World food problems from the point of view of Friedrich Aereboe and today. (Ge) In Hanau, S., ed. Friedrich Aereboe; Wurdigung und Auswahl aus seinen Werken, p.133-161. 1965. 281 H193
- 51740 THE WILLIAM Garfitt Award. United Fresh Fruit Veg. Ass. Yearbook 1966:207. 280.3939 Un3
Awarded to P. C. Mendelson.
- 51741 YOSHINO, M. M. Prof. Dr. Rudolf Geiger: an honorary member for the Society of the Agricultural Meteorology of Japan. Tokyo J. Climatol. 2(2):91-93. Nov.1965. 346 T572
- Pustovoit V S 51661
51692
Ratomski A 51623
Reskovits M 51649
Rodenwaldt U 51642
Rogovoi P P 51669
Rotsch A 51591
Rounds M 51635
Schermer S 51678
Schober R 51679
Schreiber M 51655
Scott C W 51687
Seitz A 51637
Sergeev V A 51719
Shteiman S I 51724
Skjorestad S 51720
Skreden I 51630
51648
Sloan W J 51733
Stepanov E M 51616
Strunz K 51632
Taylor H C 51650
- Tjessem S 51735
Tsatsenkin I A 51703
Valle O 51653
51702
Viding P A 51659
Villax O 51673
Visvesvaraya 51704
Sir M B R
Voll B 51647
Wahlen F T 51658
Walstedt L 51634
Washington G 51599
Wicha A 51629
Wilmowsky T 51622
von
Wilson S G 51636
Wise L E 51620
Zavarytskii V N 51732
Zeromski S 51727
Zimmermann W 51691
Zweifel H 51604

HISTORY

Checklist of names of persons appearing as subjects of preceding biographical articles:

Abrams A	51684	Jackson C	51612
Adersen V	51712	Jensen E	51722
Aereboe F	51592	Jong D A de	51716
	51609	Jungherr E	51725
	51639	Katz J R	51737
	51640	Kedrov-Zikhman	51721
	51685	O K	
	51706	Keller H	51597
	51708		51598
	51711	Kennedy R B	51710
	51739	Klenk E	51660
Aga S	51726	Klepaczko F	51667
Agassiz L	51594	Knapp J G	51650
Allam M W	51728	Knuchel H	51657
Alonov E F	51608	Koningsberger	51731
Asthana R P	51697	V J	
Augustin B	51638	Kovarskii A E	51671
Bacher J	51645	Krill W R	51728
Benterud O	51688	Kuppelmayr E	51633
Bloch P	51665	Lagerlof N	51595
Boer H W de	51606		51738
Bondartsev A S	51615	Larsen L C	51626
Bredholt A	51593	Larsen M	51618
Brunoli A	51589	Liechtenstein P	51628
Brye J de	51641	von	
Budel A	51651	Loe E	51627
Bullo Count A	51603	Lybye S	51736
Bure J	51694	Madamba U V	51610
Burkill I H	51596		51670
Clarkson M R	51624	Magnusson A H	51619
Clepper H	51676	Martinez Moreno	51695
Diernhofer K	51613	J M	
Diesel A M	51590	Maurizio A	51681
Eich J	51643		51682
Eichler C	51690	Melekhov I S	51705
Eliashberg M G	51675	Mendelson P C	51740
Elsukov M P	51677	Moller-Jensen T	51605
Eriksen O R	51611	Mork R	51607
Errington P	51717		51668
Evenari M	51689		51701
Freudenberg K	51707		51709
Fritsch E	51683		51723
Flytstrom A	51631	Morrison B Y	51666
Gaiser L O	51680	Nielsen M	51674
Geiger R	51741	Norri H	51625
Geurden L M G	51698	Nourse E G	51650
Gil'dshtein N N	51686	Okanenko A S	51713
Gonczy P	51662	Olsen C E	51714
Gorshkov I S	51646	Overgaard S	51654
Gratzl E	51718	Palissy B	51614
Gray L H	51617	Pette J W	51644
Grosset G E	51663	Pill K	51656
Guoth Gy E	51699	Pohjakallio O	51652
Gyarfas J	51730	Porpaczy A	51600
Hancock T	51734	Prat S	51715
Henneberg O H	51621	Pruitt A K	51693
Hogan A G	51729	Pryanishnikov	51601
Hoie J	51700	D N	
Hrsel I	51602	Purves C B	51672
Hulbert L S	51650		

- 51742 FAZEKAS, B. Development of agricultural plants. I. (1949-1964). (Hu) Statist. Szemle 44(1):3-28. Jan.1966. 266.5 St2M
English summary.
Includes development of collective farming.

HOME MANAGEMENT

- 51743 BRYSON, B. Brighten your rooms with paint. La. State Univ. Ext. Ext. Publ. 1430,11 p. July 1965. 275.29 L93Ep
- 51744 CLARK, L., and BURGESS, C. Choosing and using your cleaning appliances. Okla. State Univ. Ext. Circ. E-773,24 p. Feb.1966. 275.29 Ok41C
- 51745 CLARK, L., and BURGESS, C. Choosing and using your household range. Okla. State Univ. Ext. Circ. E-774,23 p. Feb.1966. 275.29 Ok41C
- 51746 CROFT, J. Color in knitting; Unit III, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-85,15 p. May 1965. 275.29 W99Fc
- 51747 CROFT, J. Home improvement: a special-interest center. Wyo. Univ. Ext. [4-H Club. Circ.] HI-5,42 p. June 1965. 275.29 W99Fc
- 51748 CROFT, J. Home improvement: background area. Wyo. Univ. Ext. [4-H Club. Circ.] HI-10, 33 p. Feb.1965. 275.29 W99Fc
- 51749 CROFT, J. Home improvement: room magic. Wyo. Univ. Ext. [4-H Club. Circ.] HI-50,20 p. Mar.1965. 275.29 W99Fc
- 51750 CROFT, J. Home improvement: your grooming center. Wyo. Univ. Ext. [4-H Club. Circ.] HI-20,19 p. June 1965. 275.29 W99Fc
- 51751 CROFT, J. Knitting with pattern stitches; Unit II, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-80,26 p. 1965. 275.29 W99Fc
- 51752 CROFT, J. Learn to knit; Unit 1, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-75,31 p. June 1965. 275.29 W99Fc
- 51753 DUNN, M. Family meal service. Minn. Univ. Ext. Ext. Bull. 328,7 p. Nov.1965. 275.29 M66S
Table setting.
- 51754 GOETZ, H. M., and others. Quantity and quality measures for homemaking work units. Ind. Agr. Exp. Sta. Res. Progr. Rep. 217,6 p. Feb. 1966. 100 In2Res
E. Purcell, S. L. Manning, and C. Fitzsimmons, joint authors.
- 51755 MILLER, R. T. Tailoring series: making round buttonholes. N. C. Univ. Ext. Home Econ. Ser. 10,4 p. Nov.1965. 275.29 N811Hom
- 51756 NEW YORK (STATE) COLLEGE OF HOME ECONOMICS. Thirty-ninth annual report, 1964. Ithaca, 1965. 92 p. 321.9 N48

- 51757 ROBERTS, H. L. The basic suit and its accessories. Wash. State Univ. Ext. E. M. 1721, rev., 1 p. Mar. 1966. 275.29 W27Mi
- 51758 ROBERTS, H. L. Clothing construction workshops. Wash. State Univ. Ext. E. M. 2578, 7 p. Oct. 1965. 275.29 W27Mi
- 51759 ROBERTS, H. L. Outline for 4-H clothing projects. Wash. State Univ. Ext. E. M. 481, rev., 7 p. Nov. 1965. 275.29 W27Mi
- 51760 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER. HUSHOLDNINGSUDVALGET. Husholdnings arbejdet [Home economics], by Maria Pilgaard, 1965. Aarhus, 1966. 107 p. 321.9 Sa42
Includes nutritional survey.
- 51761 STUDEBAKER, E. F. Publications issued for home economists involved in war on poverty. J. Home Econ. 58(4):297-298. Apr. 1966. 321.8 J82
- 51762 TENBORG, C. Choose counter tops wisely. Ark. Univ. Ext. Leaflet. 381, 8 p.-folder. Oct. 1965. 275.29 Ar4Le
In the home.
- 51763 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Consumers ask about buying rugs and carpets. I. Wash. State Univ. Ext. E. M. 2593, 4 p. Dec. 1965. 275.29 W27Mi
- 51764 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Consumers ask about rug and carpet care. III. Wash. State Univ. Ext. E. M. 2595, 4 p. Dec. 1965. 275.29 W27Mi
- 51765 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Consumers ask about rug and carpet fibers. II. Wash. State Univ. Ext. E. M. 2594, 6 p. Dec. 1965. 275.29 W27Mi
- 51766 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Personal color aid workshop. Wash. State Univ. Ext. E. M. 2585A, 2 p. Nov. 1965. 275.29 W27Mi
Clothing selection.
- 51767 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State Homemakers' Council standard of achievement for homemakers' clubs, for the 1965 or 1965-66 club year. Wash. State Univ. Ext. E. M. 1973, rev., 3 p. Oct. 1965. 275.29 W27Mi
- 51768 WYOMING, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Knitting record book. Wyo. Univ. Ext. [4-H Club. Circ.] CL-75a, 7 p. June 1965. 275.29 W99Fc

INTERNATIONAL RELATIONS

- 51769 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The Director-General's program of work and budget for 1966/67. Annex X—trust funds. Food Agr. Organ. UN. Conf. C 65/3(sup.2), 3 p. Apr. 20, 1965. 389.9 F735Conc

METEOROLOGY

- 51770 CHANCELLOR, W. J., and DE LA ROSA, F. A. A simple solar radiometer. Amer. Soc. Agr. Eng. Trans. ASAE 8(4):542-544, 547. Ref. 1965. 290.9 Am32T
- 51771 CROMER, C. A., and DICKERSON, W. H. Seasonal variation in extreme rainfall over the northeastern United States. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):180-182, 185, map. 1965. 290.9 Am32T
- 51772 FIELDHOUSE, D. J., and PALMER, W. C. The climate of the northeast; meteorological and agricultural drought. Del. Agr. Exp. Sta. Bull. 353, 71 p., map. Feb. 1965. 100 D375
Northeast Regional Research Publication.
- 51773 FREEMAN, M. H. Long range weather forecasting. Sci. Hort. 18:151-154. 1964/65. 84 H78
- 51774 GANGOPADHYAYA, M. Division of Agricultural Meteorology, Poona. Bharat Krishak Samaj. Year Book 1964:558-564. 22 B46

- 51775 HOLLMIG, T. G. Tornadoes—dark clouds of destruction. Tex. Agr. Progr. 12(1):12-14. Winter 1966. 100 T31Te
- 51776 KOGAN, V. A., and KOROBOCHKIN, I. V. Sorptive electro-hydrometric computer to measure, control and regulate the moisture content of air and gases. (Rus) Vest. Sel'skokhoz. Nauk. [Moscow] 1:112-113. Jan. 1966. 20 V633
- 51777 PIESLAK-MOLGA, Z. Agrometeorology in Poland—a review. Agr. Meteorol. 2(5):301-305. Oct. 1965. 340.8 Ag8
- 51778 VALLI, V. J. A biometeorological data logging system for agricultural research. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 244, 18 p. Jan. 1966. 100 G293M
- 51779 VILLELE, O. DE. Premiers resultats des mesures du rayonnement solaire global effectuees a L'Ariana (INRAT) [Institut National de la Recherche Agronomique de Tunisie] [First results of measurement of global solar radiation done in Ariana (INRAT) [National Institute of Agricultural Research of Tunisia]]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 12, 7 p. Sept. 1965. 24 T839

RESEARCH

- 51780 ARNAUDI, C. Considerations on scientific research in Italian agriculture. (It) Accad. Naz. Agr. Ann. 76:7-17. 1965. 16 B632A
- 51781 BROWNE, E. B. Science, research, and reality. Poultry Sci. 45(1):3-8. Ref. Jan. 1966. 47.8 Am33P
In relation to agriculture.
- 51782 CARPENA, O. Possibilities of agricultural investigation. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62. 1964. 56.9 C332
- 51783 EDINBURGH SCHOOL OF AGRICULTURE. Experimental work, 1964. Edinburgh, 1965. 79 p. 103 Ed4Ex
- 51784 HAASBROEK, F. J. The scintillation counter plateau for gamma detection. So. Afr. J. Agr. Sci. 8(3):785-795. Ref. Sept. 1965. 24 Su3
In agricultural research.
- 51785 KOLESNIKOV, V. A. Hundred years of Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistennaya Akademiya]. (Rus) Sadovodstvo 11:1-2. Nov. 1965. 80 Sa13
Research.
- 51786 MCMEEKAN, C. P. What kind of agricultural research? Int. Monetary Fund. Financ. Develop. 2(2):71-78. June 1965. 284.8 In84Fu
Research in New Zealand and need for it in developing countries.
- 51787 NATIONAL RESEARCH COUNCIL. AGRICULTURAL RESEARCH INSTITUTE. Proceedings, fourteenth annual meeting and minutes of the business session, October 18-19, 1965. Washington, D. C., 1965. 231 p., map. Ref. 4 N2122
- 51788 PAL, B. P. The Indian Agricultural Research Institute. Bharat Krishak Samaj. Year Book 1964:517-523. 22 B46
- 51789 PORTUGAL. MISSAO DE ESTUDOS AGRONOMICOS DO ULTRAMAR. Relatorio anual das brigadas territoriais 1964 [Annual report of the territorial brigades of the Mission of Overseas Agricultural Studies]. Port. Missao Estud. Agron. Ultramar. Commun 49, 96 p. June 1965. 15.5 P836C
On various aspects of agricultural research.
- 51790 PORTUGAL. MISSAO DE ESTUDOS AGRONOMICOS DO ULTRAMAR. Relatorio anual dos grupos de trabalho especializados [Annual report of specialized working groups of the Mission of Overseas Agricultural Studies], 1964. Port. Missao Estud. Agron. Ultramar. Commun. 50, 222 p. June 1965. 15.5 P836C
- 51791 RAHIM, S. A. Research and evaluation. Pakistan Acad. Rural Develop. Annu. Rep. 6:10-16. 1965. 281.29 P172A
- 51792 SASKATCHEWAN RESEARCH COUNCIL. Nineteenth annual report, 1965. Regina, 1966. 97 p., map. Ref. T177.C2S3
Includes agriculture.

- 51793 U. S. NATIONAL SCIENCE FOUNDATION. Federal funds for research, development, and other scientific activities, fiscal years 1963, 1964, and 1965, volume XIII. Washington, 1965. 244 p. (Surveys of Science Resources Series, NSF 65-13) 173 N2152F
Includes programs in the Department of Agriculture.
- 51794 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Seventy-fifth annual report. Wash. Agr. Exp. Sta. Bull. 670, 12 p. Jan. 1966. 100 W27E

NEW PERIODICALS AND SERIALS

- AGRICULTURAL RESEARCH JOURNAL OF JERALA. v.3, No.1. Jan. 1965. Trivandrum, Agricultural College & Research Institute. 22 Ag823
- BANCO CENTRAL DE LA REPUBLICA ARGENTINA. Revista trimestral. v.1, No.2. Apr./June 1965. Buenos Aires. HG2866.B3
- BULLETIN OF RURAL ECONOMICS AND SOCIOLOGY. v.1, No.1. 1964. Ibadan, Dept. of Agricultural Economics, University of Ibadan. HD2130.N6A1
- CENTRAL ARECANUT RESEARCH STATION, VITTAL. Annual progress report. No.8. 1963/June 1964. Calicut. SB295.B5C4
- CEYLON, DEPT. OF CENSUS AND STATISTICS. Census of agriculture, 1962. v.1. 1965. Colombo, Govt. Press. HD2075.C4A5
- COMERCIO ARGENTINO. No.385. June/Aug. 1965. Buenos Aires, Camara de Comercio de Buenos Aires. HF3384.C6
- CONFERENCE FOR VETERINARIANS AND ALUMNI REUNION, UNIVERSITY OF GEORGIA. Proceedings. No.1. 1964. Athens. SF605.C6
- FARMERS BULLETIN. No.50. Summer 1965. Newcastle-Upon-Tyne, West Cumberland Farmers Trading Society. S3.F25
- INTERNATIONAL CONGRESS OF ENDOCRINOLOGY, 2, LONDON, 1964. Proceedings. No.2. 1965. Amsterdam. QP187.A115
- INTERNATIONAL RICE RESEARCH INSTITUTE. The IRRI reporter. v.1, No.1. Jan. 1965. Manila. 59.9 In861r
- JORNADAS SILVO-AGRONOMICAS. No.4. 1963. Trabalhos. 99.8 J76
- MIKADO; MISCELLANEA ENTOMOLOGICA. v.1, No.2. May 1966. Takamatsu-shi, Japan, Kagawa Daigaku, Gakugei Gakubu. 421 M582
- NATIONAL LIBRARY OF MEDICINE. Current catalog. Jan. 1/14, 1966. Washington. Z881.N3
- NEW YORK COFFEE AND SUGAR EXCHANGE. Daily market report, coffee. No.189. Oct.1, 1965. New York. HG6047.C6N4
- NEW YORK COFFEE AND SUGAR EXCHANGE. Daily market report, sugar. No.189. Oct.1, 1965. New York. HG6047.S8N4
- POTATO DIGEST, A FACT SHEET FOR THE INDUSTRY. v.1, No.1. Oct.13, 1964. Washington, National Potato Council. HD9235.P79P8
- REGIONAL ARECANUT RESEARCH STATION, HIREHALLI. Annual progress report. No.5. July 1963/June 1964. Calicut. SB295.B5R4
- SCIENCE NEWS. v.89. Mar.12, 1966. Washington. 470 Sci24
- SOCIETA PELORITANA DI SCIENZE FISICHE, MATEMATICHE E NATURALI. Atti. v.10, No.4, pt.2. 1964. Messina. QC1.S6
- TOKYO NOGYO DAIGAKU. Memoirs. v.7. Mar. 1963. Tokyo. S539.J3T6
- VENEZUELA. UNIVERSIDAD CENTRAL, CARACAS. INSTITUTO DE AGRONOMIA. Publicacion divulgativa. No.3. 1965. Maracay. 102.5 V5542
- ZEITSCHRIFT FUR MEDIZINISCHE MIKROBIOLOGIE UND IMMUNOLOGIE. v.152. Jan. 1966. Berlin. 449.8 Z3

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

*ABAL'YAN, T. S. Effect of hypsography of the catchment of a mountain stream on the variations of streamflow during the vegetative period. Soviet Hydrol. Selec. Pap. 3:304-309. 1964. 292.8 So8

ABOUHAMAD, G. The second Five-Year Development Plan of Syria, 1965-1970. U. S. Joint Publ. Res. Serv. Transl. Middle East 156:1-25. July 30, 1965. (JPRS 31,326; TT 65-31823; CSO 3560-N) 173 J663Trm
Translation from Le Commerce du Levant 5(58):15-23. June 1965.

ABRAMOV, D. A. Improvement in building of lumbering machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 164:4-10. Jan. 21, 1965. (JPRS 28,386; TT 65-30168; CSO 1830-D/PE) 173 J663Tsi
Translation from Lesnaya Promyshlennost' 6:3-6. June 1964.

ABU AL FADL, A. AL F. Public opinion survey of Arab Socialist Union. U. S. Joint Publ. Res. Serv. Transl. Middle East 189:1-16. Feb. 7, 1966. (JPRS 34,032; TT 66-30474; CSO 3560-N) 173 J663Trm
Translation from Al Tali'a, Jan. 1966:93-99.

AKIMALIYEV, D., and SKRYNNIK, N. A method of mechanical harvesting of beet tops developed by the Kirgiz Experimental Breeding Station for Sugar Beets. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:16-18. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-N) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, May 12, 1965:4.

*AKSENOVA, N. P. Effect of 2,4-dinitrophenol on the absorption of oxygen in the light and in darkness by leaves of cocklebur and Rudbeckia. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162: 92-95. Ref. 1965, pub. 1966. 511 P444Ae

ANDREI, A. Achievements under the Six-Year Plan and tasks for the new Five-Year Plan in the field of mechanization of forestry work. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 413:7-14. Jan. 27, 1966. (JPRS 33,928; TT 66-30371; CSO 2700-N) 173 J663Ste
Translation from Revista Padurilor 10:507-509. Oct. 1965.

ANDREYCHENKO, P. T. Activities of the Labor Normalization Society at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:11-12. Aug. 23, 1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J663Tsi
Translation from Trud, July 21, 1965:2.

ANDRONOV, V. Production of agricultural machinery at Belorussian plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 261:6-13. Mar. 8, 1966. (JPRS 34,450; TT 66-30890; CSO 1830-D/PE-222) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 11:45-50. Nov. 1965.

ANTONENKO, I. High-quality agricultural machines from Kirovograd. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:25-27. Nov. 16, 1964. (JPRS 27,376; TT 64-51632; CSO 1830-D) 173 J663Tsi
Translation from Pravda Ukrainy, May 27, 1964:3.

ANTONENKO, I. YA. Improving sowing machine reliability and longevity. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:14-16. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Mashinostroenie 4:90-91. 1965.

ANTONOVA, M. E. Introduction of the medicinal solution into the hen's egg without breaking the shell. 4 p. Transl. 14935
Translation from Veterinariya 12:68-70. Dec. 1964.

ANTOSHKEVICH, V. Service lives of machines and depreciation in agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:9-24. Feb. 14, 1966. (JPRS 34,110; TT 66-30552; CSO 1830-D/PE-177) 173 J663Tsi
Translation from Voprosy Ekonomiki 11:64-74. Nov. 1965.

ARTYUSHIN, A. The Ministry of Agriculture USSR adopts proposals on the elimination of shortcomings in the planning and delivery of mineral fertilizers to agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 104:6. Nov. 17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso

Translation from Ekonomicheskaya Gazeta 39:17. Sept. 1965.

AVRAMOV, T. Some problems in the professional qualification structure of manpower in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:15-25. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste

Translation from Planovo Stopanstvo i Statistika 1:33-41. Jan. 1965.

AZARIN, V. Independent administration needed to construct Lipetsk Tractor Plant efficiently. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:8-9. Dec. 29, 1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Translation from Stroitel'naya Gazeta, Nov. 24, 1965:2.

BABKOV, I. Vital problems in the chemicalization of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 101:10-16. Oct. 26, 1965. (JPRS 32,545; TT 65-33024; CSO 1840-N) 173 J663Tso

Translation from Ekonomika i Zhizn' 7:8-11. July 1965.

BANDO, Y. Economic advantage of autonomous financing in plant sections. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:1-6. Aug. 2, 1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi

Translation from Ekonomicheskaya Gazeta 23:42. June 1965.

BARAYEV, A. Measures to increase productivity in the virgin lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 104:9-11. Nov. 17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso

Translation from Trud, Sept. 24, 1965, p. 2.
BARYSH, E. Shortages of spare parts for crop protection machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:5-7. June 9, 1965. (JPRS 30,511; TT 65-31216; CSO 1830-D) 173 J663Tsi

Translation from Zashchita Rastenii ot Vreditel'ei Boleznei 3:29-30. Mar. 1965.

BASOV, A. Steps needed to change Sovnarkhozes to full autonomous financing. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 107:1-17. Dec. 6, 1965. (JPRS 33,171; TT 65-33747; CSO 1840-N) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 41:26-28. Oct. 1965.

- BAULINA, V. Problems of fertilizer utilization. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:18-19. Feb. 8, 1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Sovetskaya Rossiya, Dec. 22, 1965:1.
- BAZYLEVA, V. Pay incentives to increase productivity. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:15-19. Aug. 18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-N) 173 J663Tso
Translation from Agitator 14:40-43. July 1965.
- BELOTELOV, V., and BRADLE, V. Factors preventing improvement in the quality of machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:11-15. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Sel'skaya Zhizn', Aug. 11, 1965:3.
- BELOV, I., and BOYEV, V. Breakdown in materials supply to the Voronezhskiy mash plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:14-17. July 9, 1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi
Translation from Trud, June 4, 1965:2.
- BEMBINOV, G. Agricultural and industrial development in Kalmykiya. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 250:5. Dec. 29, 1965. (JPRS 33,523; TT 65-34097; CSO 1840-N) 173 J663Sove
Translation from Kommunist Tadzhikistana, Nov. 2, 1965:4.
- *BEREZIN, B. D., and SOSNIKOVA, N. I. Kinetics of the formation of metal phaeophytinates (chlorophyll analogues). Russ. J. Phys. Chem. 39(6):719-722. Ref. June 1965. 385 Z63Ae
- BERLIN POLTAVA, M. The economics of rural construction. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92:16-26. Aug. 25, 1965. (JPRS 31,697; TT 65-32192; CSO 1840-S) 173 J663Tso
Translation from Voprosy Ekonomiki 6:14-22. June 1965.
- BERSHTIN, D. Production at the Uzbek tractor assembly plant in Tashkent. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:5-7. Dec. 14, 1965. (JPRS 33,315; TT 65-33890; CSO 1830-D/PE) 173 J663Tsi
Translation from Pravda Vostoka, Oct. 14, 1965:2.
- BIRYUKOV, V. A. Uniformity of lumber drying during rapid drying with dielectric and convection heating. 7 p. Transl. 15775
Translation from Lesnaya Promyshlennost' 7: 25-27. 1953.
- BOBNYUKHOV, E. Problems of the Mossel' mash plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:22-24. July 9, 1965. (JPRS 30,999; TT 65-31497; CSO 1830-D) 173 J663Tsi
Translation from Leninskoye Znamya, June 3, 1965:2.
- BOGDANOV, V. M., PUGACHEV, A. N., and CHERNIKOV, B. P. A set of machines for preparing and spreading mineral fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 263:1-8. Mar. 14, 1966. (JPRS 34,539; TT 66-30979; CSO 1830-S) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozvaistva 6:49-53. 1965.
- BOIANGIU, O., and COJOCARU, C. Standardization—an important factor for quality improvement of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:32-46. Sept. 16, 1965. (JPRS 32,020; TT 65-32514; CSO 2700-D) 173 J663Ste
Translation from Probleme Economice 7:88-89. July 1965.
- BORDEIANU, C. Methods for increasing the fodder base and the effective utilization of live-stock feed. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 392:21-31. Sept. 20, 1965. (JPRS 32,066; TT 64-32559; CSO 2700-N) 173 J663Ste
Translation from Scinteia, Aug. 17, 1965:3.
- BUDYKA, A., and NAZARENKO, V. The practices of the transfer of the sovkhoses to full self-support. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 105:20-31. Nov. 29, 1965. (JPRS 33,044; TT 65-33621) 173 J663Tso
Translation from Voprosy Ekonomiki 9:35-41. Sept. 1965.
- BUYANOV, A. I. Results of the tests of machines for the application of mineral fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:1-10. June 8, 1965. (JPRS 30,488; TT 65-31199; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khovmashiny 4:17-19. Apr. 1965.
- CHAUS, V. M. In the technical council of the state committee for tractor and agricultural machine building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:17-19. June 8, 1965. (JPRS 30,488; TT 65-31199; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khovmashiny 4:back cover. Apr. 1965.
- CHAYSHVILI, T. A., NASARIDZE, D. S., and MEL'NIKOV, L. A. The self propelled tea picking machine "Sakartvelo." U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 205:13-16. June 8, 1965. (JPRS 30,488; TT 65-31199; CSO 1830) 173 J663Tsi
Translation from Traktory i Sel'khovmashiny 4:38-39. Apr. 1965.
- CHEREMISINOV, N. A. Appollinariy Semenovich Bondartsev. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 8, 1964:23-24. (JPRS 26,804; TT 64-51061; CSO 10807-D) 173 J663Bio
Translation from Zashchita Rastenii ot Vreditel'ei i Boleznei 8:60-61. Aug. 1962.
- CHEREMISINOV, N. A. Evgenii Mikhaylovich Stepanov. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 8, 1964:25. (JPRS 26,804; TT 64-51061; CSO 10807-D) 173 J663Bio
Translation from Zashchita Rastenii ot Vreditel'ei i Boleznei 8:60. 1962.
- CHERKASOV, V. Production at the Khar'kov tractor plant suffers from poor delivery of parts by supplier plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 247:1-4. Dec. 14, 1965. (JPRS 33,310; TT 65-33885; CSO 1830-N) 173 J663Tsi
Translation from Komsomol'skaya Pravda, Oct. 28, 1965:2.
- CHERNYAVSKIY, D. U. Predicting the demand for non-food commodities. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 103:1-20. Jan. 14, 1966. (JPRS 33,743; TT 66-30187; CSO 1840-D PE-135) 173 J663Tro
Translation from Planovoe Khozvaistvo 10: 18-29. Oct. 1965.

- CHERNYAYEV, M. Problems of agricultural electrification in Gudautskiy rayon, GSSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 90:1-3. Aug. 12, 1965. (JPRS 31,532; TT 65-32028; CSO 1840-D) 173 J663Tso
Translation from Zarya Vostoka, July 9, 1965: 2.
- CHIRKOV, V., and FILINSKII, V. The Belogor'ye harvester. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 147:13-17. Oct. 30, 1964. (JPRS 27,156; TT 64-51412; CSO 1830-D/PE) 173 J663Tsi
Translation from Trud, June 18, 1964: 2.
- CREATION of a forest research station; report to the government of Tunisia. 18 p. Transl. 15765
Translation from Food and Agriculture Organization of the United Nations. Programme Elargi d'Assistance Technique. FAO Rapport No. 803.
- CROON, I. Resin maturation in chip piles and its effects on the sulfite and sulfate industries. 17 p. Transl. 15779
Translation of an address given at the annual meeting 23-24 March 1965 of the SPCI.
- DAVYDOV, M. Water resources and pollution in the USSR. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 228: 17-21. Oct. 1, 1965. (JPRS 32,221; TT 65-32711) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 33:15. Aug. 1965.
- DEMIDOV, G. Improving repair of tractors and agricultural machines in Tashkent. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 219:11. Aug. 2, 1965. (JPRS 31,354; TT 65-31851; CSO 1830-D) 173 J663Tsi
Translation from Pravda Vostoka, July 3, 1965: 2.
- DETTMER, N. Electron microscopical study of the elastic fibers in the wing ligament of the pigeon and their relationship to the other connective tissue. 17 p. Transl. 15813
Translation from Zeitschrift für Zellforschung und mikroskopische Anatomie 37:89-100. 1952.
- DOBRESCU, G. M. Frost cracks—types and derived and associated defects. 13 p. Transl. 15774
Translation from Industria Lemnului 12:470-474. 1964.
- DOLABERIDZE, M. Tea and citrus situation in Georgia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:1-4. Mar. 10, 1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Translation from Zarya Vostoka, p. 3. Jan. 20, 1966.
- DOMBURG, G. E., and GROMOV, V. S. Decomposition of carbohydrates and formation of furfural under the conditions of hydrothermal cooking of hardwood. 11 p. Ref. Transl. 15773
Translation from Khimicheskaya Pererabotka i Zashchita Drevesiny 1964:53-60.
- DRAYEV, YU., and RUZHNIKOV, P. Progress in the agriculture of Stavropol'skiy Kray. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88: 9-12. Aug. 3, 1965. (JPRS 31,394; TT 65-31891; CSO 1840-N) 173 J663Tso
Translation from Sel'skoe Stroitel'stvo 6:3-4. 1965.
- *DROZDOVA, N. N., and KRASNOVSKII, A. A. Reversible photochemical oxidation and reduction of chlorophyll, bacteriochlorophyll and bacterioviridin in viscous media. Biochemistry (Biokhimiya) 30(3):522-532. Ref. May/June 1965. 385 B523Ae
- D'YAKOV, V. New emphasis on urban and rural trade. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96: 1-14. Nov. 12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Translation from Sovetskaya Torgovlya 9:1-6. Sept. 1965.
- DZHORAYEV, D., and others. Faulty and lagging repair work on cotton picking machines in Sayat shops. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:8-11. Nov. 17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi
K. Khidyrova, A. Dzhorayev, A. Aliyev, Kh. Dzhumakuliyev, and M. Malkis. joint authors. Translation from Turkmenskaya Iskra, Aug. 8, 1964: 1.
- DZHUNUSOV, Z. Need for early replacement of agricultural machinery in farms of Kazakhstan. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:1-4. Dec. 14, 1965. (JPRS 33,315; TT 65-33890; CSO 1830-D/PE) 173 J663Tsi
Translation from Kazakhstanskaya Pravda, Oct. 27, 1965: 2.
- DZUBENKO, I. Difficulties encountered in introduction of new tractors at kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:18-21. July 9, 1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, June 2, 1965: 2.
- ERV'YE, YU. The resources of the Tyumen' North. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 250:19-21. Dec. 29, 1965. (JPRS 33,523; TT 65-34097; CSO 1840-N) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 44:35. Nov. 1965.
- *FAM SUAN KHAI, and PLESHKOV, B. P. Change in the composition of proteins of bean seeds as a function of the conditions of nutrition. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162: 82-85. Ref. 1965, pub. 1966. 511 P444Ae
- FEDOSOV, A. Collective farms are hampered by supply problems. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:10-13. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Translation from Moskovskaya Pravda, Apr. 21, 1965: 2.
- FRAYMAN, I. Progress in Soviet tractor-building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:1-3. Feb. 14, 1966. (JPRS 34,110; TT 66-30552; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Belorussia, Dec. 31, 1965: 1.
- FUKUJI, M. Primary need for progress of harvesting efficiency; several points in the future production of rice. 10 p. Transl. 15811
Translation from Kikaika Nogyo Apr. 1965: 79-82.
- FUNCTIONING of the components of the new economic system of planning and managing the economy—East Germany. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 421,191 p. Jan. 5, 1965. (JPRS 28,106) 173 J663Tre
Translation of brochure published by Dietz Verlag, Berlin, 1964, p. 3-86.
- GADO, O. The amortization fund of the farmers' cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest Food Indus. 422:1-8. Mar. 7, 1965. (JPRS 34,445; TT 66-30885; CSO 2500-S) 173 J663Ste
Translation from Magyar Mezogazdasag 4:3-5. Jan. 26, 1966.
- GAFUROV, KH. Many Uzbek enterprises do not make good use of state bank credits. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 250:1-4. Dec. 29, 1965. (JPRS 33,523; TT 65-34097; CSO 1840-N) 173 J663Sove
Translation from Pravda Vostoka, Nov. 3, 1965.

- GANGNUS, A. New machine for timber thinning. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:16. Nov.22,1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Lesnaya Promshlennost', Aug.28,1965:2.
- GANGNUS, A. New machine for tree felling eliminates stumps. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:21-22. Aug.10,1965. (JPRS 31,487; TT 65-31983) 173 J663Tsi
Translation from Lesnaya Promshlennost' July 17, 1965. p. 3.
- GARKUSHA, N. A. Irrigation and reclamation construction in the Ukraine. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:7-9. Feb.8,1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Rabochaya Gazeta, Dec.15, 1965:1.
- *GAVRILENKO, V. F., and RUBIN, B. A. On the synthesis of Mg-porphyrins in isolated roots. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:96-98. Ref. 1965,pub.1966. 511 P444Ae
- GENDEL'MAN, M., SLOBODON, V., and AZEV, S. Reorganization needed in virgin land agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 106:5-9. Dec.6,1965. (JPRS 33,154; TT 65-33730; CSO 1840-N) 173 J663Tso
Translation from (source not indicated).
- *GERASIMOVA, V. F. Effect of certain amino acids on accelerated maturation of cotton. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:50-52. 1965,pub.1966. 511 P444Ae
- AL GHAFAR, S. A. Progress on the Aswan high dam. U. S. Joint Publ. Res. Serv. Transl. Middle East 194:18-20. Feb.23,1966. (JPRS 34,252; TT 66-30693; CSO 3560-D) 173 J663Trm
Translation from al-Jumhuriyyah, Jan.9, 1966:7.
- GINDICH, A. 10th anniversary of the Bratsk hydroelectric power station. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 228:1-4. Oct.1,1965. (JPRS 32,221; TT 65-32711) 173 J663Sove
Translation from Kommunist Tadzhikistana, Sept.4,1965.
- *GODNEV, T. N., and KHODASEVICH, E. V. On the biosynthesis of pigments in certain evergreen plants at negative temperatures. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:28-30. Ref. 1965,pub.1966. 511 P444Ae
- GOLOVCHENKO, N. Direct bank crediting for kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 112:5-7. Feb.3,1966. (JPRS 33,982; TT 66-30425; CSO 1840-N) 173 J663Tso
Translation from Sovetskaya Moldaviya, Dec.2,1965:2.
- GORODOV, V. Optimal plan of shipments of mineral fertilizers in the Ukrainian SSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:15-20. Mar.11,1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 12:47-50. Dec.1965.
- GORYACHEV, I. M. Polymers and forestry machine building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 164:1-3. Jan.21,1965. (JPRS 28,386; TT 65-30168; CSO 1830-D/PE) 173 J663Tsi
Translation from Lesnaya Promshlennost' 6:inside back cover. June 1964.
- GRIN'KO, F., and TIKHONOV, M. Suggestions for new kolkhoz statutes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 104:12-16. Nov.17, 1965. (JPRS 32,891; TT 65-33469) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:100-102. 1965.
- GROMOV, V. S., and KHROL, L. A. The effect of various salts on the solution of lignin and carbohydrates of deciduous wood during aqueous and hydrotropic digestion. 24 p. Ref. Transl. 15772
Translation from Latvijas PSR Zinatnu Akademija. Vestis 1964:35-52.
- GUDIMOV, A. Sales bans on the kolkhoz market. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 102:16-20. Jan.7, 1966. (JPRS 33,635; TT 66-30079; CSO 1840-D/PE) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 47:37. Nov.1965.
- *GUNAR, I. I., SINYUKHIN, A. M., and OZOLINA, I. A. Action potential of *Nitella flexilis* cells filled with artificial salt solution. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:20-23. 1965,pub.1966. 511 P444Ae
- *GUSEV, M. V., and VASIL'KOVA, E. I. Variations of the carotinoid: chlorophyll ratio in blue-green algae during their utilization of organic substances. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:31-33. 1965,pub.1966. 511 P444Ae
- HARASIM, E. Polish sugar export perspectives. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 249:13-34. Nov.3,1965. (JPRS 32,701; TT 65-33180; CSO 2600-D) 173 J663Tree
Translation from Zagadnienia Ekonomiki Rolnej 4(70):41-57. July/Aug.1965.
- HEDRI, G. Hungary's trade with developed capitalist countries. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 266:18-27. Mar.3,1966. (JPRS 34,383; TT 66-30823; CSO 2500-D) 173 J663Tree
Translation from Kozgazdasagi Szemle 1:106-111. Jan.1966.
- HSU, J. K., and CH'EN, M. K. Developments in research on SB-58 treatment of schistosomiasis japonica. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 278:73-89. (JPRS 33,759; TT 66-30202) Jan.17, 1966. 173 J663Teco
Translation from K'o-Hsueh T'ung-Pao 11: 978-985. Nov.1965.
- IGNAR, S. Agricultural investment problems on the threshold of the new 5-Year Plan. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:16-33. May 21, 1965. (JPRS 30,195; CSO 2600-S) 173 J663Ste
Translation from Wies Wspolczesna 4:9-22. Apr.1965.
- IOITA, E. Rational utilization of land in Rumanian agriculture. II. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:34-46. May 21,1965. (JPRS 30,195; CSO 2700-S) 173 J663Ste
Translation from Revista de Statistica 2:22-33. Feb.1965.
- IONESCU, C. Comment on the fulfillment of the economic plan, 1960-1965. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 556:15-19. Mar.15,1966. (JPRS 34,571; TT 66-31011; CSO 2700-D) 173 J663Tre
Translation from Viata Economica 7:1,4. Feb.18,1966.
- IONESCU, N. Increase of grain production as the principal objective of agricultural development. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:15-31. Sept.16,1965. (JPRS 32,020; TT 65-32514; CSO 2700-D) 173 J663Ste
Translation from Probleme Economice 7:56-69. July 1965.
- ISHAZI, W. Direct advantages of high dam. U. S. Joint Publ. Res. Serv. Transl. Middle East 194:12-14. Feb.23,1966. (JPRS 34,252; TT 66-30693; CSO 3560-D) 173 J663Trm
Translation from Al-Jumhuriyyah, Jan.9, 1966:7.

- JAREMA, B. Evaluation of the activity of the meat industry in 1961-1965, and its tasks for 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 415:19-30. Feb.3, 1966. (JPRS 33,977; TT 66-30420; CSO 2600-D) 173 J663Ste
Translation from Gospodarka Miesna 17(12): 1-7. Dec.1965.
- KACHIKOV, S., and SAKSONOV, S. Problems between the Nikolayev "Dormashina" plant and the plant imeni Petrovskiy. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:1-4. June 10, 1965. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Translation from Rabochaya Gazeta, May 12, 1965:2.
- KAL'NINIA, V. K., KALNIN'SH, A. I., and BEYNART, I. I. Hydrolysis of birch wood in an M-10 vibratory mill in the presence of different catalysts. 13 p. Transl. 15769
Translation from Latvijas PSR Zinatnu Akademija, Vestis 1964:21-29.
- KANEKO, R. Hydrological investigation of water-requirement in paddy field. 18 p. Transl. 14589
Translation from Agricultural Engineering Society of Japan. Journal 25(3). Oct.1957.
- KARDAPOL'TSEV, A. Advanced forms of use and servicing the machine-tractor park. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:1-14. Mar.11, 1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 12:19-29. Dec.1965.
- *KEFELI, V. I. Natural growth substances of willow leaves and buds. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:86-88. 1965, pub.1966. 511 P444Ae
- KENJI, A. Measures to increase China's agricultural production in 1961. 11 p. (JPRS 9229) Transl. 14862
Translation from Ajia Keizai Jumbo 461:1-10. Mar.11, 1961.
- KHALFIN, R., and KHAYDAS, G. Problems of improving the organization of material and technical supplies to agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 87:1-8. July 29, 1965. (JPRS 31,306; TT 65-31803; CSO 1840-N) 173 J663Tso
Translation from Voprosy Ekonomiki 5:15-21. May 1965.
- KHESIN, A. YA. All-Union conference on problems of improvement of quality, reliability and longevity of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:20-23. Sept.23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:49. 1965.
- KHURI, S. Problems of the Arab working women. U. S. Joint Publ. Res. Serv. Transl. Middle East 198:22-25. Mar.8, 1966. (JPRS 34,452; TT 66-30892) 173 J663Trm
Translation from Zo Haderekh, Feb.3, [1966] p.2,4.
- KIREYEV, N. F. Production increase at the Minsk tractor plant through labor normalization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:13-14. Aug.23, 1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J663Tsi
Translation from Trud, July 21, 1965:2.
- KIRKIN, M. Preparation for winter repairs of agricultural machinery and renovation of work parts in Kirgizia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:1-4. Dec.29, 1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, Nov.13, 1965:2.
- KLEMENT'YEV, K. V. Increase of durability and reliability of silage harvesters. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:9-15. Feb.8, 1966. (JPRS 34,056; TT 66-30498; CSO 1830-N) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 12:23-25. Dec.1965.
- KLEMYSHCHEV, P. Evaluation of the effectiveness of chemicalization. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 109:1-9. Dec.22, 1965. (JPRS 33,451; TT 65-34025; CSO 1840-D) 173 J663Tso
Translation from Planovoe Khozyaistvo 11: 50-55. Nov.1965.
- KLIMENKO, B. Basic directions for technical progress in the dairy industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 89:5-12. June 22, 1965. (JPRS 20,727; CSO 1840-S) 173 J663Tro
Translation from Molochnaya promyshlennost' 2:1-5. Feb.1965.
- KLIMOV, A. P. The work of Soviet consumer's cooperatives. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96: 41-54. Nov.12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Translation from Sovetskaya Torgovlya 8:2-9. Aug.1965.
- KLOCEK, F. Evaluation of the animal feed situation in the economic year 1965/1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 422:13-15. Mar.7, 1966. (JPRS 34,445; TT 66-30885; CSO 2600-S) 173 J663Ste
Translation from Przegląd Hodowlany 18:14-15. Dec.15/31, 1965.
- KNELLER, YU. V. Comparative tests of wheeled and caterpillar tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:17-23. Sept.16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Mashinostroenie 4:92-94. 1965.
- KOLESNIKOV, M. Measures for improving farm machine repair through shop specialization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:15-20. Aug.10, 1965. (JPRS 31,487; TT 65-31983) 173 J663Tsi
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 12:30-31. Dec.1964.
- KOMAROV, D. T. An improvement in the dependability of electric power. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 212:19-25. July 6, 1965. (JPRS 30,950; TT 65-31449; CSO 1830-N) 173 J663Tsi
Translation from Mekhanizatsiya Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:29-30. 1965.
- KOMAROVSKII, A. The growing of fine-stapled cotton in Uzbekistan must be encouraged. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116: 10-14. Mar.17, 1966. (JPRS 34,598; TT 66-31037) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 4:22. Jan.1966.
- KONOPLEV, B. Repair stations in Permskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:9-13. June 10, 1965. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Rossiya, May 19, 1965:1.
- KONOVALOV, L. The versatile self-propelled grain combine. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:2-4. Nov.3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:29. Aug.1965.

- KONOVALOV, O. Basic trends in the development of agricultural machine-building. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 86: 1-14. July 28, 1965. (JPRS 31,286; TT 65-31783; CSO 1840-N) 173 J663Tso
Translation from Voprosy Ekonomiki 5:3-14. May 1965.
- KORBUT, L. Improving the variety, design, and sale of farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:35-47. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-S) 173 J663Tsi
Translation from Kommunist 7:53-63. May 1965.
- KORBUT, V. A. Universalization and unification of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:1-6. Sept. 23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:1-2. June 1965.
- KORNIYENKO, V. The value of price lists. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:22-24. Nov. 12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Translation from Sovetskaya Torgovlya, Aug. 21, 1965, p. 3.
- KOROVKIN, G. Deficiencies in the provision of storage facilities. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:55-59. Nov. 12, 1965. (JPRS 32,824; TT 65-33402) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 35:33. Sept. 1965.
- KORULSKA, M. Location of food industry in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 418: 11-20, map. Feb. 15, 1966. (JPRS 34,137; TT 66-30579; CSO 2600-D) 173 J663Ste
Translation from Przemysl Spozywczy 19 (11):5-12. Nov. 1965.
- KOSENKO, G., and RADCHENKO, D. Reorganization of Kirgiz irrigation system needed. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 87:9-12. July 29, 1965. (JPRS 31,306; TT 65-31803; CSO 1840-D) 173 J663Tso
Translation from Sovetskaya Kirgiziya, June 10, 1965:2.
- *KOSITSYN, A. V. The distribution of zinc between the cell sap and the remaining cell contents in tomato leaves. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:34-36. 1965, pub. 1966. 511 P444Ae
- KOZHEVNIKOV, P. Material-technological assistance for Soviet agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 227:1-10. Sept. 3, 1965. (JPRS 31,864; TT 65-32358; CSO 1830-D) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 6:28-34. June 1965.
- KOZLOV, A. Material stimuli suggested to encourage better production by tool makers in Belorussian tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:7-9. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Belorussiya, May 20, 1965:1.
- *KOZLOVA, A. N., PETRUSEVA, A. I., and BERESTNEV, V. A. Deformation of fibres. Polymer Sci. U.S.S.R. 6(12):2347-2352. 1964. 381 P763
- KRASNYANSKII, L. Work improvement methods at the Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 248:8-11. Dec. 14, 1965. (JPRS 33,315; TT 65-33890; CSO 1830-D/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 43:44. Oct. 1965.
- KRETSCHMER, G. The torso method, a direct rapid process for frost-resistance test with grain. 11 p. Transl. 15771
Translation from Zuchter 30:251-254. 1960.
- KRISTIN, K. Increased production in the Estonian SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:26-27. Aug. 3, 1965. (JPRS 31,394; TT 65-31891; CSO 1840-D) 173 J663Tso
Translation from Sovetskaya Estoniya, July 6, 1965:2.
- KRYUCHKOV, P. Problems in repair of harvesting equipment in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:12-14. Aug. 18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Kazakhstanskaya Pravda, July 14, 1965:2.
- KUDRYASHOV, L. V. Gugo Edgarovich Grosse's sixtieth birthday anniversary. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci. Aug. 3, 1964:6-9. (JPRS 25,702; TT 64-31974) 173 J663Bio
Translation from Botanicheskiy Zhurnal Moscow 49(2):179-181. 1964.
- *KUGATOVA-SHEMYAKINA, G. P., and others. New growth-stimulating substances. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:24-27. 1965, pub. 1966. 511 P444Ae
V. A. Rudenko, G. P. Smirnova, A. I. Grechushnikov, L. M. Mishurovskaya, and D. A. Agakishiev, joint authors.
- *KURSANOV, A., and others. Disorganization of energy metabolism in the roots during potassium starvation. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:77-81. Ref. 1965, pub. 1966. 511 P444Ae
E. Vyskrebentseva, I. Sveshnikova, and M. Krasavina, joint authors.
- KUTSEV, G., and MATVEYCHUK, V. Unsatisfactory performance of some of the new Soviet agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 148:4-8. Oct. 30, 1964. (JPRS 27,164; TT 64-51420; CSO 1830-N/PE) 173 J663Tsi
Translation from Komsomol'skaya Pravda, June 27, 1964:2.
- KVELDE, YA. Latvian automated milking units. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:1. Nov. 3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:29. Aug. 1965.
- LAVREKHIN, F. A. Comparative observations on the flight activity of drones. 4 p. Transl. 14068
Translation from Pchelovodstvo 37(3):43-45. Mar. 1960.
- LAVRENT'YEV, V. More complete and realistic indicators of machines will lead to efficiency and economy. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:7-9. Aug. 2, 1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 23:17. June 1965.
- *LAZARENKO, A. S. The phenomenon of amorphism in mosses. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:67-69. 1965, pub. 1966. 511 P444Ae
- *LEBEDEV, S. I., and LITVINENKO, L. G. On the biosynthesis of chlorophyll in the red and near infrared regions. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:41-43. Ref. 1965, pub. 1966. 511 P444Ae
- LELICHEV, A. Production methods improved at Gomel' starter plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:4-7. Nov. 17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi
Translation from Sovetskaya Belorussiya, Sept. 9, 1964:2.

- LEYGA, V. New machines being produced in the Lithuanian SSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:12-14. Aug. 10, 1965. (JPRS 34,487; TT 65-31983) 173 J663Tsi
Translation from Mashinostroitel' 6:44. June 1965.
- LIPOVETSKIY, E. Reliable machines for the rural communities. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 235:6-10. Oct. 28, 1965. (JPRS 32,608; TT 65-33087; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 32:18. Aug. 11, 1965.
- LJUNGQVIST, K. J. Temperature and moisture variations in chip piles. 18 p. Transl. 15767
Translation from Svensk Papperstidning 68 (16):527-533. 1965.
- LORDKIPANIDZE, N. Mechanization of tea cultivation and harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 160:1-3. Dec. 22, 1964. (JPRS 27,952; TT 64-51989; CSO 1830-D) 173 J663Tsi
Translation from Zarya Vostoka, Nov. 18, 1964:2.
- LOSONCZI, P. Regulation of cooperation between specialized agricultural institutions. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 418:1-7. Feb. 15, 1966. (JPRS 34,137; TT 66-30579; CSO 2500-S) 173 J663Ste
Translation from Mezogazdasag Ertesito 46:645-648. Nov. 1965.
- LUKINSKIY, O. Problems of irrigation discussed at conference in Moscow. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:22-23. Aug. 3, 1965. (JPRS 31,394; TT 65-31891; CSO 1840-S) 173 J663Tso
Translation from Stroitel'stvo i Arkhitektura Uzbekistana 5. 1965.
- LUNAY, N. Production and financial problems at the Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:31-34. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-S) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 29:18. June 21, 1965.
- LUSHNIKOV, F. N. Classification of domestic tractors for industrial application. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:1-8. Feb. 8, 1966. (JPRS 34,056; TT 66-30498; CSO 1830-N) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 12:1-3. Dec. 1965.
- LUTAY, N. Taganrog combine builders strengthen the struggle for the quality and reliability of machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:22-25. June 21, 1965. (JPRS 30,718; TT 65-31305; CSO 1830-N) 173 J663Tsi
Translation from Nauchno-Tekhnicheskoe Obshchestvo SSSR 4:7-9. Apr. 1965.
- MAKAROVA, Z. I. Contribution to the history of the genus Liquidambar L. 19 p. Transl. 15470
Translation from Botanicheskii Zhurnal 42(8):1182-1195. 1957.
- MAKARUK, I. Single phase method of grain harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 225:2-5. Aug. 23, 1965. (JPRS 31,660; TT 65-32155; CSO 1830-S) 173 J663Tsi
Translation from Pravda Ukrainy, July 6, 1965:2.
- MALYSHEV, YE. I. Anatolii Efimovich Kovarskii. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 23, 1964:4-6. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 5:104-105. 1964.
- MANEVICH, D., and GUBENKOV, N. Accounting at the Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 249:1-4. Dec. 16, 1965. (JPRS 33,366; TT 65-33941; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 46:13. Nov. 1965.
- MANSUROV, YU. Cotton cleaner. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:1-2. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:43-44. Sept. 1965.
- MANUKOV, N. A review of the works of inventors and innovators. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:1-5. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-S) 173 J663Tsi
Translation from Vystavka Dostizhenii Narodnogo Khozyaistva Informatsionnyi Byulleten' 5:28-30. May 1965.
- MANYAKIN, V. F. Reliability bureau established at the Syzran' combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 260:1-3. Mar. 4, 1966. (JPRS 34,402; TT 66-30842; CSO 1830-N) 173 J663Tsi
Translation from Mashinostroitel' 12:3-4. Dec. 1965.
- MATCHANOV, N. Irrigation construction in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:5-10. Mar. 10, 1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Translation from Sel'skaya Zhizn', p. 2. Jan. 23, 1966.
- MATSUDA, M. On the micrometeorological elements and E-T in each growing stage of paddy rice plant. IV. Transpiration control and yield of rice plant. 13 p. Transl. 15818
Translation from Agricultural Engineering Society of Japan. Transaction 12:25-29. July 1965.
- MAYOROV, YE. Ultrasonic spindle cleaning machine. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:9-10. Nov. 3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Turkmenskaya Iskra, Aug. 29, 1965:2.
- *MEL'NIKOV, S. S., and EVSTIGNEEV, V. B. Investigation of the photoreduction of chlorophyll C and pheophytin C. Biochemistry (Biokhimiya) 30(3):571-576. Ref. May/June 1965. 385 B523Ae
- *METLITSKII, L. V., and others. Antifungal effect of phenol compounds formed in injured potato tubers. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:7-10. Ref. 1965, pub. 1966. 511 P444Ae
O. L. Ozeretskoyevskaya, G. I. Chalenko, and G. A. Stokova, joint authors.
- MISHCHENKO, V. A report on the Karakum canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:1-3. Feb. 8, 1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Turkmenskaya Iskra, Dec. 24, 1965:3.
- *MOKRONOSOV, A. T., and BAGAUDINOVA, R. I. Influence of photochemical induction on the dark fixation of $C^{14}O_2$ by potato leaves. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:11-13. 1965, pub. 1966. 511 P444Ae

- MOLDOVAN, P. Rational utilization of machines as a method for achieving a high agro-technical level. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:26-29. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste
Translation from Agricultura Socialista 15:1-2. Apr. 15, 1965.
- MÖRDERER, D. Restoring machinery parts in Moldavia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 152:15-24. Nov. 19, 1964. (JPRS 27,444; TT 64-51693; CSO 1830-D-PE) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:59-63. Sept. 1964.
- NAKAGAWA, K., NEMOTO, M., and KOBAYASHI, H. Effects of field application of calcium silicate upon the increase of blast disease resistance, growth and crop yield on rice. II. The effects in the volcanic ash soil. 6 p. Transl. 15819
Translation from Society of Plant Protection of North Japan. Annual Report 10:53-55. 1959.
- NEMETH, L. Increase in cattle breeding deemed possible and desirable. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:12-15. May 21, 1965. (JPRS 30,195; CSO 2500-D) 173 J663Ste
Translation from Figyelo, Mar. 17, 1965:8.
- NEMETH, L. New possibilities in the sphere of horned cattle raising after increasing farm commodity prices. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 422:9-12. Mar. 7, 1966. (JPRS 34,445; TT 66-30885; CSO 2500-S) 173 J663Ste
Translation from Magyar Mezogazdasag 4:15-16. Jan. 26, 1966.
- NIKITINA, L. Supply and demand of consumer goods in a socialist system—USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 88:1-9. June 8, 1965. (JPRS 30,476; CSO 1840-S) 173 J663Tro
Translation from Voprosy Ekonomiki 3:118-123. Mar. 1965.
- NIKOLAYEV, G. A. On the system of machines for full mechanization of agriculture between 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:7-13. Sept. 23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:17-19. 1965.
- NOSKOVA, YE., and REYNGEVERTZ, M. The work of the department for scientific organization of production in the Altay motor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:17-21. Nov. 22, 1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 40:26. Oct. 6, 1965.
- NOSOV, YA. Central Asian Scientific Research Institute of Water Problems and Hydraulic Engineering aids in irrigation of Uzbekistan cotton fields. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:8-10. Aug. 18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Komsomolets Uzbekistana, July 24, 1965:3.
- *NOVITSKAYA, G. V., KAVERINA, A. V., and VERESHCHAGIN, A. G. Influence of weather conditions on the fatty acid composition of linseed oil during successive generations. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:14-15. 1965, pub. 1966. 511 P444Ae
- OLIZARENKO, I., and others. Production difficulties at the Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 214:9-11. July 12, 1965. (JPRS 31,026; TT 65-31524; CSO 1830-S) 173 J663Tsi
L. Sirota, M. Polyakov, G. Maze, and Yu. Rutenberg, joint authors.
Translation from Sel'skaya Zhizn', June 2, 1965:2.
- OL'SHEVSKAYA, V. P. New Kolkhoz tax law for 1966. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 252:44-49. Jan. 10, 1966. (JPRS 33,644; TT 66-30098; CSO 1840-N) 173 J663Sove
Translation from Uchet i Finansy 11:54-57. Nov. 1965.
- ORLYANKIN, K. New procedure for material and technical supply to kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:21-23. Mar. 11, 1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 12:119-120. Dec. 1965.
- OVSYANNIKOV, L. Marketing and maintenance of farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 236:5-8. Nov. 3, 1965. (JPRS 32,693; TT 65-33172; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:30. Aug. 18, 1965.
- PAHLITZSCH, G., and DZIOBEK, K. Determining the surface quality of machined wood surfaces. 1. Methods of measuring and evaluating belt-sanded wood surfaces. 44 p. Ref. Transl. 15821
Translation from Holz als Roh- und Werkstoff 19(10):403-417. 1961.
- PAHLITZSCH, G., and DZIOBEK, K. On the blunting of sanding belts in woodworking. 31 p. Ref. Transl. 15822
Translation from Holz als Roh- und Werkstoff 19(4):136-149. 1961.
- PALIYSKI, I. The new functions of the State Savings Bank. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 552:1-10. Mar. 1, 1966. (JPRS 34,351; TT 66-30792; CSO 2200-N) 173 J663Tre
Translation from Finansi i Kredit 10:3-12. Dec. 1965.
- PAVLOV, G. D. Desalting of water by the crystal hydrate method. 10 p. (JPRS 33,437; TT 65-34011; CSO 1879-D/PE) Transl. 15783
Translation from Vodosnabzhenie i Sanitarnaya Tekhnika 10:26-29. 1965.
- PAVLOV, L. Irrigation problems in Turkmenistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:2-7. Aug. 18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', Aug. 3, 1965:2.
- PAVLOV, V. New tractor designs at Chelyabinsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:11-14. June 9, 1965. (JPRS 30,511; TT 65-31216; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 13:19. Mar. 31, 1965.
- PETKOV, A., and SMIRNOVA, V. The indivisible fund is the basis for expanding reproduction in farm workers' cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:1-14. May 3, 1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste
Translation from Panovo Stopanstvo i Statistika 1:24-32. Jan. 1965.

PETRAKOV, S. Increased textile production proposed for Central Asia. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:32-35. Nov.12,1965. (JPRS 32,824; TT 65-33402) 173 J663Tro

Translation from Ekonomicheskaya Gazeta 39:19. Sept.1965.

PICHEL, W. Development of the frozen food industry in Italy. ASHRAE (Amer. Soc. Heating, Refrig. Air-Cond. Eng.) J. 8(3):80-81. Mar.1966. 295.8 Am3

Condensed translation of article by G. Cesari-ni in Il Freddo, Sept./Oct.1965.

PIMENKOV, V. G. A new procedure for income tax collection from Kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 252:50-51. Jan.10,1966. (JPRS 33,654; TT 66-30098; CSO 1840-N) 173 J663Sove

Translation from Uchet i Finansy 11:57. 1965.

PIRVULESCU, S. Successful accomplishment of the 1964-plan tasks in the forestry economy. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 358:30-35. May 3,1965. (JPRS 29,871; CSO 2200-D) 173 J663Ste

Translation from Revista Padurilor 2:57-58. Feb.1965.

PISAREV, YU., and PRAZDNICHNYKH, A. The great importance of small items experience in modernization of transportation and storage facilities. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 256:32-35. Feb.14,1966. (JPRS 34,110; TT 66-30552; CSO 1830-N) 173 J663Tsi

Translation from Ekonomicheskaya Gazeta 1: 21. Jan.1966.

POCHTAREV, N. F. The 17th all-union conference of tractor manufacturers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 255:38-40. Feb.8,1966. (JPRS 34,056; TT 66-30498; CSO 1830-N) 173 J663Tsi

Translation from Traktory i Sel'khoz mashiny 12:48-49. Dec.1965.

*PODDUBNAYA-ARNOL'DI, V. A. The investigations of pollen tubes in angiosperms. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:74-76. 1965, pub.1966. 511 P444Ae

POKROPIVNYI, S., and FEDONIN, A. Better planning and material stimulation needed for higher output in Ukrainian farm machine building plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 239:12-15. Nov.15,1965. (JPRS 32,853; TT 65-33431; CSO 1830-N) 173 J663Tsi

Translation from Ekonomicheskaya Gazeta 39:15. Sept.29,1965.

POLUNIN, N. Truck modifications for hauling fertilizer. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 208:9-10. June 11,1965. (JPRS 30,569; TT 65-31245; CSO 1830-S) 173 J663Tsi

Translation from Sel'skij Mekhanizator 4:20. Apr.1965.

POPOV, N. Need for improvement of tractor-mounted farm equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:12-17. Nov.17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi

Translation from Tekhnika v Sel'skom Kho-zyaistve 8:56-58. Aug.1964.

POSTNIKOV, A. The agrochemical service—key to the chemization of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92: 1-6. Aug.25,1965. (JPRS 31,697; TT 65-32192; CSO 1840-N) 173 J663Tso

Translation from Ekonomicheskaya Gazeta 29:29. July 21,1965.

PRIKHOD'KO, P. Advantages of combined technical servicing and repair of agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 149:1-6. Nov.13,1964. (JPRS 27,352; TT 64-51608; CSO 1830-N/PE) 173 J663Tsi

Translation from Agitator 12:44-47. June 1964.

PROKHOROV, N., and GLAZKOV, A. Problems of irrigated agriculture in Azerbaydzhan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 90:6-9. Aug.12,1965. (JPRS 31,532; TT 65-32028; CSO 1840-D) 173 J663Tso

Translation from Sel'skaya Zhizn', July 29, 1965:2.

PUTINTSEVA, M., and BEL'DINSKIY, I. Causes of farm machinery failure during peak agricultural periods in Western Siberia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 210:4-6. June 21,1965. (JPRS 30,718; TT 65-31305; CSO 1830-D) 173 J663Tsi

Translation from Sovetskaya Rossiya, May 28,1965:1.

RAZIKOVA, N. Seminar on machines and techniques for meadow and pasture clearing and sowing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 213:11-13. July 9,1965. (JPRS 30,999; TT 65-31497; CSO 1830-S) 173 J663Tsi

Translation from Sel'skaya Zhizn', June 6, 1965:2.

REICHEL, H. The tasks of farming in 1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 423:1-5. Mar.9,1966. (JPRS 34,468; TT 66-30908; CSO 2900-S) 173 J663Ste

Translation from Feldwirtschaft 1:5-6. 1966.

REICHENBACH-KLINKE, H., and ELKAN, E. The principal diseases of lower vertebrates. 600 p. Ref. SH171.R4

Translation and revision of Krankheiten der Aquarienfische, Krankheiten der Amphibien, and Krankheiten der Reptilien.

REPENKO, A. High production quality necessary for further growth. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 220:10-13. Aug.2,1965. (JPRS 31,366; TT 65-31863; CSO 1830-N) 173 J663Tsi

Translation from Ekonomicheskaya Gazeta 23:17. June 1965.

RODICHEV, S. All cotton-growing areas in the USSR meet 1964 goals. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92:12-15. Aug.25,1965. (JPRS 31,697; TT 65-32192; CSO-1840-S) 173 J663Tso

Translation from Zakupki Sel'skokhozyaistvennykh Produktov 6:15-17. 1965.

ROMANCHENKO, G. Problems of accumulation and consumption in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 110:1-15. Jan.24,1966. (JPRS 33,861; TT 66-30304; CSO 1840-D/PE-148) 173 J663Tso

Translation from Voprosy Ekonomiki 10:86-97. Oct.1965.

RUBIN, E. A. Arkadii Semenovich Okanenkov. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.23,1964:10-13. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio

Translation from Fiziologiya Rastenii 4:757-758. 1964.

RUSANOVICH, A., MODELEVICH, S., and SHABANOV, A. Development and application of caprone for manufacturing spare parts at the Minsk spare parts plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 208:1-5. June 11, 1965. (JPRS 30,569; TT 65-31245; CSO 1830-S) 173 J663Tsi

Translation from Sovetskaya Belorussiya, Apr.28,1965:2.

- *SAAKOV, V. S. Influence of boron and manganese on the dynamics of the translocation and distribution of glucose- C^{14} in the plant. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:89-91. 1965, pub. 1966. 511 P444Ae
- *SABUROVA, P. V., and PETUNOVA, A. A. On the physiological-biochemical causes of the selective action of the herbicide simazin (2-chloro-4,6-biethylamino-sym-triazine). Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:37-40. Ref. 1965, pub. 1966. 511 P444Ae
- *SAL'KOVA, E. G., and NGO KE-SYONG. Pectolytic enzymes of fungi causing fruit rot. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:47-49. 1965, pub. 1966. 511 P444Ae
- SANDERS, O. "Liyepaysel'mash" plant operating well. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 207:5-8. (JPRS 30,553; TT 65-31236; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Latvija, May 14, 1965:2.
- SARYKULOV, D. Water pollution problems in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 113:4-6. Feb. 8, 1966. (JPRS 34,041; TT 66-30483; CSO 1840-S) 173 J663Tso
Translation from Kazakhstanskaya Pravda, Dec. 16, 1965:2.
- SCHIOPU, B., and JIANU, E. Concentrating production of wheat and corn on Rumanian state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 392:9-20. Sept. 20, 1965. (JPRS 32,066; TT 65-32559; CSO 2700-S) 173 J663Ste
Translation from Probleme Agricole 7:10-20. July 1965.
- SELIVANOV, I. On the development of high-speed tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:6-9. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-S) 173 J663Tsi
Translation from Trud, April 25, 1965:2.
- SELLEBY, L. Wood degradation and pulp quality with outside chip storage. 14 p. Transl. 15766
Translation from Svensk Papperstidning 68 (14):477-481. 1965.
- SEME NOV, V. The Volga giant of tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 235:11-15. Oct. 28, 1965. (JPRS 32,608; TT 65-33087; CSO 1830-D) 173 J663Tsi
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 8:21-23. Aug. 1965.
- SERGEEV, E. Comfort for the tractor operator. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:24-29. Mar. 11, 1966. (JPRS 34,510; TT 66-30950; CSO 1830-S) 173 J663Tsi
Translation from Okhrana Truda i Sotsial'noe Strakhovanie 10:24-26. Oct. 1965.
- SERYAKOV, I. Need for price revision on work done by "Sel'khoztekhnika." U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 206:7-10. June 9, 1965. (JPRS 30,511; TT 65-31216; CSO 1830) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 4:31-32. Jan. 27, 1965.
- SHEVCHENKO, S. Lack of "V-belts" keeps Russian combines idle. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:39-41. Nov. 16, 1964. (JPRS 27,376; TT 64-51632; CSP 1830-D) 173 J663Tsi
Translation from Sovetskaya Rossiya, July 22, 1964:3.
- SHEVELUKHA, V. Expenditure of spare parts. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:12-15. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:66-67. Sept. 1965.
- SHIH, Y. True recognition of pedological reforms and the contradictory movements in pedology. 22 p. (JPRS 4877; CSO 1718-S/1) Transl. 14930
Translation from Che-Hsueh Yen-Chiu 1:1-12. Jan. 25, 1961.
- SHIH, Y. F., and others. Hydrological study of arid regions in China's Northwest and views for future studies. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 278:39-55. (JPRS 33,759; TT 66-30202) Jan. 17, 1966. 173 J663Tcco
Translation from K'o-Hsueh T'ung-Pao 11:961-968. Nov. 1965.
- *SHKOL'NIK, B. YA., and others. Intermediate photosynthetic products from a synchronous culture of Chlorella pyrenoidosa in different stages of development. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:57-60. Ref. 1965, pub. 1966. 511 P444Ae
N. G. Doman, K. S. Spektorov, and E. A. Lin'kova, joint authors.
- *SHKOL'NIK, M. YA., and DAVYDOVA, V. N. Influence of zinc and vitamins B1 and B6 on the incorporation of C^{14} -tyrosine into proteins. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:61-63. Ref. 1965, pub. 1966. 511 P444Ae
- *SHLYK, A. A., and PRUDNIKOVA, I. V. On the dark biosynthesis of chlorophyll b in a homogenate. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:16-19. Ref. 1965, pub. 1966. 511 P444Ae
- SHPOLYANSKII, D. M. Problems in mechanized cotton harvesting. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 212:10-16. July 6, 1965. (JPRS 30,950; TT 65-31449; CSO 1830-N) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 2:14-16. 1965.
- SHULENIN, M. Water comes to the Donskaya steppe. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:17-21. Aug. 3, 1965. (JPRS 31,394; TT 65-31891; CSO 1840-N) 173 J663Tso
Translation from Sel'skoye Stroitel'stvo 6:6-7. 1965.
- *SHUL'GIN, I. A., and MOLDAU, KH. A. On coefficients of brightness of leaves in natural and polarized light. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:99-101. 1965, pub. 1966. 511 P444Ae
- SIDORENKO, V. General purpose sweep rake. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:3-4. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:45-47. Sept. 1965.
- SINYAGIN, I., and SHEDEROV, S. Oskar Karlovich Kedrov-Zikhman. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 23, 1964:1-3. (JPRS 27,052; TT 64-51308; CSO 1878-S/PE) 173 J663Bio
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 5:157-158. 1964.
- SKIBNEVSKII, YU. Industrial repair base for agriculture. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 232:6-12. Oct. 5, 1965. (JPRS 32,243; TT 65-32733; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 6:1-4. June 1965.
- SKIRDE, W. Morphological and secretory investigations of diploid and tetraploid clover. 12 p. Ref. Transl. 14054
Translation from Annales Agriculturae Fenniae 2:73-90. 1963.

SKVORTSOV, N. N. Developing specialization in Ukrainian plants. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 150:35. Nov. 16, 1964. (JPRS 27,376; TT 64-51632; CSO 1830-D) 173 J663Tsi

Translation from Vestnik Mashinostroeniya 9:68-71. Sept. 1964.

SLOBODENYUK, V. Activities at agricultural machinery plant imeni Oktyabr'skaya Revolyutsiya. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:11-13. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi

Translation from Rabochaya Gazeta, June 25, 1965:2.

SLYATKES, M. The use of polymers in tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 223:1-6. Aug. 10, 1965. (JPRS 31,497; TT 65-31993; CSP 11565-D) 173 J663Tsi

Translation from Polimery v Traktoro-stroenii, 1964:3-10.

*SOKOLOVA, V. E., and VASYUKOVA, N. I. On the role of peripheral tissues of potato tubers in formation of necroses following infection by *Phytophthora infestans*. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:3-6. 1965, pub. 1966. 511 P444Ae

STADNIK, A. System for determining the work-load of equipment at the Rostov agricultural machinery plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 247:10-12. Dec. 14, 1965. (JPRS 33,310; TT 65-33885; CSO 1830-N) 173 J663Tsi

Translation from Ekonomicheskaya Gazeta 42:12. Oct. 1965.

SUDER, M. Development of wood production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 387:7-10. Aug. 30, 1965. (JPRS 31,767; TT 65-32262; CSO 2700-S) 173 J663Ste

Translation from Scinteia, July 5, 1965:1,3.

SZABO, L., and VARADI, J. The supply and circulation system of fodder mix for TSZ's. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:7-11. May 21, 1965. (JPRS 30,195; CSO 2500-D) 173 J663Ste

Translation from Magyar Mezogazdasag 14:16-17. Apr. 7, 1965.

TAUBERT, H. Cooperation of the LPG's in the Mutzschen, Kreis Grimma, cooperation area. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 390:1-7. Sept. 16, 1965. (JPRS 32,020; TT 65-32514; CSO 2900-N) 173 J663Ste

Translation from Die Deutsche Landwirtschaft 8:368-370. Aug. 1965.

TAYTS, Z. Large-scale techniques applied to rural industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 151:1-3. Nov. 17, 1964. (JPRS 27,395; TT 64-51651; CSO 1830-S/PE) 173 J663Tsi

Translation from Trud, May 13, 1964:2.

*TELITCHENKO, M. M., and GUSEV, M. V. The toxicity of blue-green algae. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:1-2. 1965, pub. 1966. 511 P444Ae

TETSUKA, U., and ENDO, S. Studies on the oscillating subsoiler. 1. Trial manufacture of oscillating subsoiler for small tractors. 11 p. Transl. 15824

Translation from Society of Agricultural Machinery, Japan. Journal 24(1):21-24. June 1962.

TETSUKA, U., and ENDO, S. Studies on the oscillating subsoiler. 2. Measurements of the load resistances of the oscillating subsoiler. 11 p. Transl. 15826

Translation from Society of Agricultural Machinery, Japan. Journal 24(2):49-52. Sept. 1962.

TIMOSHENKO, YA. Activities of the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 249:9-10. Dec. 16, 1965. (JPRS 33,366; TT 65-33941; CSO 1830-D) 173 J663Tsi

Translation from Sovetskaya Belorussiya, Nov. 21, 1965:1.

TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 15 p. Transl. 15828

Translation from Tohoku National Agricultural Experiment Station. Bulletin 14:16-20. 1959.

TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 2. Influence of the oxidation-reduction potentials of soil upon the occurrence of rice blast. 18 p. Ref. Transl. 15827

Translation from Tohoku National Agricultural Experiment Station. Bulletin 13:19-25. 1958.

TOLCHEL'NIKOV, YU. S. Aerial methods in mapping agricultural resources. 4 p. (JPRS 33,441; TT 65-34015; CSO 1873-D/PE) Transl. 15799

Translation from Vestnik Sel'skokhozyaistvennoi Nauki [Moscow] 10:28-30. 1965.

TOROK, G. Activities of the Central Research Institute for the Food Industries [Kozponti Elelmiszeripari Kutatointezet]. U. S. Joint Publ. Res. Serv. Transl. Europe. Agr. Forest. Food Indus. 390:8-14. Sept. 16, 1965. (JPRS 32,020; TT 65-32514; CSO 2500-N) 173 J663Ste

Translation from Elelmezsi Ipar 19(5):133-135. 1965.

TROYANOV, A., and PLATOSHKIN, A. The All-Union Scientific Research Institute of Grain Farming developed new techniques of soil cultivation in the virgin lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116:6-9. Mar. 17, 1966. (JPRS 34,598; TT 66-31037) 173 J663Tso

Translation from Ekonomicheskaya Gazeta 5:36. Feb. 1966.

TRUSOV, YU. Completely mechanized installation for preparing poultry feed. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 152:9-14. Nov. 19, 1964. (JPRS 27,444; TT 64-51693; CSO 1830-D/PE) 173 J663Tsi

Translation from Tekhnika v Sel'skom Khozyaistve 9:27-30. Sept. 1964.

*TUMANOV, I. I., KRASAVTSEV, O. A., and TRUNOVA, T. I. The survival of winter wheat at -195° as a result of vitrification. Acad. Sci. USSR. Dokl. Bot. Sci. 160/162:53-56. Ref. 1965, pub. 1966. 511 P444Ae

TUREK, E. Mission, area, and organizational structure of Institute for the Mechanization of Agriculture in Potsdam-Bornim [Potsdam Institut für Mechanisierung der Landwirtschaft]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 361:1-6. May 21, 1965. (JPRS 30,195; CSO 2900-D) 173 J663Ste

Translation from Deutsche Agrartechnik 15(4):149-152. Apr. 1965.

VACHEV, N. Remuneration for accounting personnel on cooperative farms under the new system for planning and managing the national economy. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 541:15-21. Dec. 21, 1965. (JPRS 33,424; TT 65-33998; CSO 2200-S) 173 J663Tre

Translation from Schetovodstvo i Kontrol 5:3-9. July 1965.

*VAINTRAUB, I. A. Isolation of the 2S-component of soybean globulins. Biochemistry (Biokhimiya) 30(3):541-545. Ref. May/June 1965. 385 B523Ae

- VARLAMOV, G. P. Test results of machines for introduction of organic fertilizers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 230:14-19. Sept. 23, 1965. (JPRS 32,121; TT 65-32614; CSO 1830-S) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 7:26-28. 1965.
- VASILIU, C. Mechanization as a requirement of modern agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 421:19-23. Mar. 4, 1966. (JPRS 34,408; TT 66-30848; CSO 2700-D) 173 J663Ste
Translation from Agricultura Socialista 50:5. Dec. 16, 1965.
- VENZOVSII, A., and STOLYAROVA, M. Elimination of defects in the planning of machine-building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 232:1-5. Oct. 5, 1965. (JPRS 32,243; TT 65-32733; CSO 1830-D) 173 J663Tsi
Translation from Planovoe Khozyaistvo 7:45-57. July 1965.
- *VERESHCHAGIN, A. G., and KLYACHKO-GURVICH, G. L. The structure and composition of fatty acids of the algae *Chlorella* lipids. Biochemistry (Biokhimiya) 30(3):469-475. Ref. May/June 1965. 385 B523Ae
- VERMEL', V., and PALIN, A. Shortcomings in agricultural specialization in North Kazakhstan must be eliminated. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116:1-5. Mar. 17, 1966. (JPRS 34,598; TT 66-31037) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 5:35-36. Feb. 1966.
- VNUCHKOV, V., and PYATIGORSKIY, A. Prospects for water-management construction in cotton-growing republics. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 114:1-7. Feb. 10, 1966. (JPRS 34,090; TT 66-30532; CSO 1840-D/PE-195) 173 J663Tso
Translation from Stroitel'stvo i Arkhitektura Uzbekistana 7:1-3. 1965.
- VOROB'YEV, G. Sowing rice in the Kuban. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 111:6-12. Jan. 25, 1966. (JPRS 33,875; TT 66-30318; CSO 1840-S) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 5:13-14. Dec. 1965.
- VOYDA, A. N. The Rostov Conference on Quality and Durability of Agricultural Machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 218:56-58. July 28, 1965. (JPRS 31,288; TT 65-31785; CSO 1830-D) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 5:46-47. May 1965.
- VU, A., and HAI, V. Haiphong industry serves agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 218:1-8. Dec. 21, 1965. (JPRS 33,434; TT 65-34008; CSO 3520-N) 173 J663Trn
Translation from Nhan Dan Nov. 6, 1965:3.
- YAKOVCHUK, N. "Sel'khoz tekhnika" fertilizer dilemma. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 115:16-21. Mar. 10, 1966. (JPRS 34,500; TT 66-30940) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 3:37-38. Jan. 1966.
- YAMAZAKI, K. On the paddy soil forming process. 2 p. Transl. 14931
Translation from Pedologist 8(1):1. June 1964.
- YANKYAVICHYUS, R. Preparation of agricultural machinery for spring delayed in Lithuania. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 251:5-7. Dec. 29, 1965. (JPRS 33,510; TT 65-34084; CSO 1830-S) 173 J663Tsi
Translation from Sovetskaya Litva, Nov. 30, 1965:2.
- YARLUKHIN, V., and FOMENKO, V. Erosion destroys the fields of Chuvashiya. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 101:6-9. Oct. 26, 1965. (JPRS 32,545; TT 65-33024; CSO 1840-N) 173 J663Tso
Translation from Sovetskaya Rossiya, Sept. 17, 1965:2.
- YEMEL'YANOV, A., and MARINKO, I. Methodological problems of the transfer of sovkhoses to full self-support. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 105:1-19. Nov. 29, 1965. (JPRS 33,044; TT 65-33621) 173 J663Tso
Translation from Voprosy Ekonomiki 9:23-34. Sept. 1965.
- YENA, A. Exchange centers in Tselinnyy Kray. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 237:5-11. Nov. 4, 1965. (JPRS 32,721; TT 65-33200; CSO 1830-D) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 9:60-62. Sept. 1965.
- YERKHOV, N. Departmental red tape forces Tula combine plant into losses. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 148:1-3. Oct. 30, 1964. (JPRS 27,164; TT 64-51420; CSO 1830-N/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 33:17. Aug. 1964.
- YEZHEVSKIY, A. A. "Sel'khoz tekhnika" repair facilities to be expanded. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:8-10. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Trud, Aug. 18, 1965:2.
- ZALA, F. Price measures and trade. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 556:10-14. Mar. 15, 1966. (JPRS 34,571; TT 66-31011; CSO 2500-N) 173 J663Tre
Translation from Figyelo 10(8):2. Feb. 23, 1966.
- ZHAROVA, K. Furrow irrigation technique in Kirgiziya praised. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:4-7. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, Aug. 4, 1965:1.
- ZHIGACHEVA, A. M. New linen fabrics and products. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 102:1-3. Jan. 7, 1966. (JPRS 33,635; TT 66-30079; CSO 1840-D/PE) 173 J663Tro
Translation from Tekstil'naya Promyshlennost' 10:10-11. Oct. 1965.
- ZHUKAS, A. Lithuanian plants make spare parts for tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:14-16. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Translation from Sovetskaya Litva, Apr. 24, 1965:2.
- ZHUKOVSKIY, YE. "Gomsel'mash" plant lax in assisting subordinate sovkhoses. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:1-3. Sept. 16, 1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Belorussiya, Aug. 20, 1965:2.
- ZLOBIN, V. Kiev tractor plant increases spare parts output. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 209:21-24. June 14, 1965. (JPRS 30,601; TT 65-31260; CSO 1830-N) 173 J663Tsi
Translation from Rabochaya Gazeta, Apr. 8, 1965:2.

ZOLCTAREV, I. Irrigation works in Kuban'.
U. S. Joint Publ. Res. Serv. Transl. Soviet
Agr. 88:13-16. Aug.3,1965. (JPRS 31,394;
TT 65-31891; CSO 1840-N) 173 J663Tso
Translation from Sel'skoye Stroitel'stvo 6:4-
5. 1965.

*ZOZ, I. G., and others. The taxonomy and bio-
chemistry of certain species of *Cachrys* L.
emend. Koch. Acad. Sci. USSR. Dokl. Bot. Sci.
160/162:70-73, map. Ref. 1965, pub. 1966.
511 P444Ae
N. F. Komissarenko, V. T. Chernobai, and
D. G. Kolesnikov, joint authors.

ZOTOV, V. Development of the sugar industry.
U. S. Joint Publ. Res. Serv. Transl. USSR
Consum. Goods Dom. Trade 102:4-9. Jan.7,
1966. (JPRS 33,635; TT 66-30079;
CSO 1840-D/PE) 173 J663Tro
Translation from Ekonomicheskaya Gazeta
43:10-11. Oct.1965.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agriculture Handbooks

U. S. DEPT. OF AGRICULTURE. First aid for flooded homes and farms. U. S. D. A. Agr. Handbook 38, slightly rev., 28 p. Jan. 1966. 1 Ag84Ah

Agricultural Information Bulletins

DAVIS, R. T. Snow surveys. U. S. D. A. Agr. Inform. Bull. 302, 16 p. Dec. 1965. 1 Ag84Ab

Farmers' Bulletins

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing raspberries. U. S. D. A. Farmers' Bull. 2165, slightly rev., 16 p. Nov. 1965. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Finishing beef cattle. U. S. D. A. Farmers' Bull. 2196, slightly rev., 30 p., map. Jan. 1966. 1 Ag84F

WHITCOMB, W. Controlling the greater wax moth [*Galleria mellonella*], a pest of honeycombs. U. S. D. A. Farmers' Bull. 2217, 12 p. Dec. 1965. 1 Ag84F

Home and Garden Bulletins

FERRIS, E. Shopper's guide to U.S. grades for food. U. S. D. A. Home Gard. Bull. 58, slightly rev., 14 p. Ref. Jan. 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing Azaleas and Rhododendrons. U. S. D. A. Home Gard. Bull. 71, rev., 8 p. Feb. 1966. 1 Ag84Hg

Entomology Research Division, cooperating.

U. S. AGRICULTURAL RESEARCH SERV. MARKET QUALITY RESEARCH DIV. Protecting home-cured meat from insects. U. S. D. A. Home Gard. Bull. 109, 6 p.-folder. Nov. 1965. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing fruit for home use in the northern Great Plains. U. S. D. A. Home Gard. Bull. 111, 18 p., map. Jan. 1966. 1 Ag84Hg

Home Economics Research Reports

PECOT, R. K., JAEGER, C. M., and WATT, B. K. Proximate composition of beef from carcass to cooked meat: method of derivation and tables of values. U. S. D. A. Home Econ. Res. Rep. 31, 32 p. Ref. Dec. 1965. A321.9 Ag8

Leaflets

PORTER, B. A. The eastern tent caterpillar [*Malacosoma americanum*]. U. S. D. A. Leaflet 161, slightly rev., 6 p.-folder. Dec. 1965. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Horn flies [*Haematobia irritans*] on cattle; how to control them. U. S. D. A. Leaflet 388, slightly rev., 8 p. Dec. 1965. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. The house fly [*Musca domestica*]; how to control it. U. S. D. A. Leaflet 390, rev., 8 p. Dec. 1965. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Clover mites [*Bryobia praetiosa* complex]; how to control them around the home. U. S. D. A. Leaflet 443, slightly rev., 6 p.-folder. Dec. 1965. 1 Ag84L

KEIL, H. L. Cherry leaf-spot and its control. U. S. D. A. Leaflet 489, slightly rev., 6 p.-folder. Dec. 1965. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Building with adobe and stabilized-earth blocks. U. S. D. A. Leaflet 535, 8 p., map. Dec. 1965. 1 Ag84L

Lists

CLAY, E. W. List of available publications of the United States Department of Agriculture. U. S. D. A. List 11, 115 p. Jan. 1966. 1 P96Lf

Miscellaneous Publications

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. NATIONAL ARBORETUM. Plant hardiness zone map. U. S. D. A. Misc. Publ. 814, rev., map. 1965. 1 Ag84M
American Horticultural Society, cooperating.

CRITCHFIELD, W. B., and LITTLE, E. L. Geographic distribution of the pines of the world. U. S. D. A. Misc. Publ. 991, 97 p., map. Ref., p. 21-29. Feb. 1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. 3-bedroom farmhouse, slab on grade; cooperative farm building plan No. 7167. U. S. D. A. Misc. Publ. 1011, 2 p. Feb. 1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. PERSONNEL DIV. Scientific careers in agricultural marketing research. U. S. D. A. Misc. Publ. 1012, 8 p.-folder, map. Jan. 1966. 1 Ag84M

Program Aid

U. S. FARMERS HOME ADMIN. Farmers Home Administration insured loans, information for lenders. U. S. D. A. PA-556, 11 p. Dec. 1965. 1 Ag84Pro

U. S. CONSUMER AND MARKETING SERV.
POULTRY DIV. Poultry parts chart—poster.
U. S. D. A. PA-678, chart. Oct. 1965.
1 Ag84Pro

Service and Regulatory Announcements

U. S. CONSUMER AND MARKETING SERV.
COTTON DIV. Regulations of the Department
of Agriculture for cotton fiber and processing
tests. U. S. Consum. Marketing Serv. Cotton
Div. SRA-178, 10 p. Dec. 1965. 1 M34S

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE, OILSEED,
PEANUT AND SUGAR CROPS RESEARCH
ADVISORY COMMITTEE. Report of the second
meeting, New Orleans, Louisiana, January 18-
21, 1965. Washington, 1965. 15 p.
A77.9 R313

AGRICULTURAL RESEARCH SERVICE

BENNETT, A. H., SOULE, J., and YOST, G. E.
A prototype commercial forced-air precooler.
U. S. Agr. Res. Serv. ARS-52-(n.s.)9, 11 p. Dec.
1965. A289.9 R31

Georgia Agricultural Experiment Stations,
and Florida Agricultural Experiment Station,
cooperating.

FRIEND, B. Nutritive value of food available
for consumption, United States, 1909-64. U. S.
Agr. Res. Serv. ARS-62-14, 18 p. Jan. 1966.
A321.9 R31

HUGHES, E. E. Results of field applications of
herbicides for control of saltcedar (*Tamarix*
spp.). U. S. Agr. Res. Serv. ARS-34-79, 15 p.
Jan. 1966. A64.9 R31A

U. S. AGRICULTURAL RESEARCH SERV.
Hatcheries and dealers participating in the
National Poultry Improvement Plan. U. S. Agr.
Res. Serv. ARS 44-6, rev., 60 p. Feb. 1966.
A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV.
National Cooperative Dairy Herd Improvement
Program, DHIA rules (revised and accepted by
the American Dairy Science Association in
June, 1965). U. S. Agr. Res. Serv. ARS 44-166,
14 p. Dec. 1965. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV.
National Cooperative Dairy Herd Improvement
Program, improvements in methods of sire
evaluation. U. S. Agr. Res. Serv. ARS 44-171,
8 p. Feb. 1966. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV.
ANIMAL DISEASE AND PARASITE RESEARCH
DIV. PLUM ISLAND ANIMAL DISEASE LABOR-
ATORY. Library guide; sources, services,
regulations. Greenport, Long Island, N. Y.,
1965. 50 p. A243.7 An5

U. S. AGRICULTURAL RESEARCH SERV. AN-
IMAL HEALTH DIV. A new turn in scrapie
eradication. U. S. Agr. Res. Serv. ARS-22-94,
5 p. Sept. 1965. A31.3 R31A

Animal Disease and Parasite Research Divi-
sion, cooperating.

U. S. AGRICULTURAL RESEARCH SERV. AN-
IMAL HEALTH DIV. Poultry diseases activi-
ties report, 1965. U. S. Agr. Res. Serv. ARS
91-54, 17 p. Ref. Dec. 1965. A41.9 R315Ar

U. S. AGRICULTURAL RESEARCH SERV.
ANIMAL HEALTH DIV. Report of cooperative
tick eradication activities, fiscal year, 1965.
Hyattsville, Md., 1965. 6 p., map. A423.9 R314

U. S. AGRICULTURAL RESEARCH SERV. ANI-
MAL HUSBANDRY RESEARCH DIV. DHIA
sire summary list; Ayrshire, Guernsey, Hol-
stein, Jersey, Brown Swiss, Milking Shorthorn,
Red Dane, and Red Poll sires. U. S. Agr. Res.
Serv. ARS 44-168, 201 p. Jan. 1966.
A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV. AN-
IMAL HUSBANDRY RESEARCH DIV. POUL-
TRY RESEARCH BR. 1965 report of egg pro-
duction tests, United States and Canada—ran-
dom sample egg production tests, two-year
combined summary, 1963-64 and 1964-65;
range group rankings, 1964-65; standard egg
laying tests, 1964-65. U. S. Agr. Res. Serv.
ARS 44-79-6, 72 p. Jan. 1966. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV.
PLANT PEST CONTROL DIV. Regional insect
control project, 1964 annual report. Beirut,
Lebanon, 1965. 87 p. A423.9 R316

In special agreement with Agency for Inter-
national Development.

U. S. DEPT. OF AGRICULTURE, OILSEED,
PEANUT AND SUGAR CROPS RESEARCH
ADVISORY COMMITTEE. Report of the first
meeting, Washington, D. C., January 27-30,
1964. Washington, U. S. Agr. Res. Serv.,
1964. 17 p. A77.9 R313

AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEES

U. S. AGRICULTURAL STABILIZATION AND
CONSERVATION COMMITTEE, NEVADA.
Annual report, 1964. Reno, 1965. 55 p.
A281.9 St193

U. S. AGRICULTURAL STABILIZATION AND
CONSERVATION COMMITTEE, OREGON. Sta-
tistical report, 1964. Portland, 1965? 58 p.
A281.9 St13

CONSUMER AND MARKETING SERVICE

U. S. CONSUMER AND MARKETING SERV.
1966 acreage-marketing guides, summer and
fall potatoes. U. S. Consum. Marketing Serv.
AMG 50, 44 p. Mar. 1966. A281.3919 M34

U. S. CONSUMER AND MARKETING SERV.
1966 acreage-marketing guides, vegetables for
commercial processing. U. S. Consum. Mar-
keting Serv. AMG 49, 35 p. Feb. 1966.
A281.3919 M34

U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unload
totals for 41 cities, calendar year, 1965. U. S.
Consum. Marketing Serv. C&MS-7, 82 p. Mar.
1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Eastern cities by commodities, States and
months, calendar year, 1965. U. S. Consum.
Marketing Serv. C&MS-3, 139 p. Feb. 1966.
A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Midwestern cities by commodities, States
and months, calendar year, 1965. U. S. Con-
sum. Marketing Serv. C&MS-5, 140 p. Mar.
1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Southern cities by commodities, States and
months, calendar year, 1965. U. S. Consum.
Marketing Serv. C&MS-6, 103 p. Feb. 1966.
A280.39 C762

U. S. CONSUMER AND MARKETING SERV.
FRUIT AND VEGETABLE DIV. MARKET
NEWS BR. Fresh fruit and vegetable unloads
in Western cities by commodities, States, and
months, calendar year, 1965. U. S. Consum.
Marketing Serv. C&MS-4, 66 p. Mar. 1966.
A280.39 C762

U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. Molasses market news; annual summary, 1965. U. S. Consum. Marketing Serv. C&MS-2,27 p. Mar.1966. A280.39 C762

U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Flue-cured tobacco market review, 1965 crop. Washington, 1966. 55 p., map. (Its TOB-FL-9) 1.9 EC714T

ECONOMIC RESEARCH SERVICE

BOYKIN, C. C., CATON, D. D., and RADER, L. Economic and operational characteristics of Arizona and New Mexico range cattle ranches. U. S. D. A. Econ. Res. Serv. ERS-260,25 p.,map. Jan.1966. A281.9 Ag83E

COYNER, M. S., and HANNAN, J. L. Notes on the agricultural economies of dependent territories in the Western Hemisphere and Puerto Rico. U. S. D. A. Econ. Res. Serv. ERS-For-eign-145,68 p.,map. Dec.1965. A281.9 Ag83

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Marketing farm products—recent developments and outlook. U. S. D. A. Econ. Res. Serv. ERS-263,24 p. Ref. Nov. 1965. A281.9 Ag83E

FARMER COOPERATIVE SERVICE

U. S. FARMER COOPERATIVE SERV. A recording of the Cooperative Observance, October, 1964, U. S. Department of Agriculture. Washington, 1965. 98 p. A280.2 F22
Includes opening comments by O. L. Freeman, and comments by J. A. Baker.

FEDERAL EXTENSION SERVICE

DALRYMPLE, D. G. Some thoughts on the possible effects of advertising and promotion on price elasticity of demand. U. S. Fed. Ext. Serv. Mimeo D-16,4 p. Aug.1965. A280.39 F312

DALRYMPLE, D. G. The utilization and processing of fruits and vegetables in the Soviet Union. U. S. Fed. Ext. Serv. Mimeo D-18,10 p. Ref. Oct.1965. A280.39 F312

FOREIGN AGRICULTURAL SERVICE

HARNESS, V. L. Cotton in India. U. S. Foreign Agr. Serv. FAS-M-170,17 p.,map. Dec. 1965. A281.9 F76Fm

JEAN, C. V. The Australian wheat marketing system. U. S. Foreign Agr. Serv. FAS-M 171, 23 p.,map. Dec.1965. A281.9 F76Fm

FOREST SERVICE

BENSON, R. E. Export of Christmas trees from Montana in 1964. U. S. Forest Serv. Res. Note INT-38,4 p. 1965. A99.9 F764Un

BRINKMAN, K. A., ROGERS, N. F., and GINGRICH, S. F. Shortleaf pine [*Pinus echinata*] in Missouri; stand density affects yield. U. S. Forest Serv. Res. Paper CS-14,14 p.,map. Sept.1965. A99.9 F7629U

CARLSON, R. W., and COLE, W. E. A technique for sampling populations of the mountain pine beetle [*Dendroctonus monticolae*]. U. S. Forest Serv. Res. Paper INT-20,13 p. 1965. A99.9 F764U

CHOATE, G. A. Forests in Utah. U. S. Forest Serv. Resource Bull. INT-4,61 p.,map. Ref. 1965. A99.9 F764Ub

CHRISTENSEN, E. M., and HUNT, M. J. A bibliography of Engelmann spruce. U. S. Forest Serv. Res. Paper INT-19,37 p. 1965. A99.9 F764U

CLAUSEN, K. E. Yellow [*Betula alleghaniensis*] and paper birch [*Betula papyrifera*] seeds germinate well after 4 years' storage. U. S. Forest Serv. Res. Note LS-69,2 p. Oct.1965. A99.9 F7624

GANSNER, D. A. Timber cut from Missouri's eastern Ozark region. U. S. Forest Serv. Res. Note CS-35,6 p. July 1965. A99.9 F7629

GINGRICH, S. F., BRINKMAN, K. A., and ROGERS, N. F. Shortleaf pine [*Pinus echinata*] in Missouri; two methods of thinning. U. S. Forest Serv. Res. Paper CS-16,9 p.,map. Sept. 1965. A99.9 F7629U

GOULD, M. L. Soil moisture investigations on grass and shrubland soils, 1942-1964. Portland Oreg., U. S. Forest Serv., Pacific Northwest Forest Range Exp. Sta., 1964. 4 p. A241 G73

GOULD, M. L. Wildlife habitat in western Oregon and Washington, and northwestern California forests, chiefly for blacktail deer and Roosevelt elk, 1930 to date; selected references. Portland, Oreg., U. S. Forest Serv., Pacific Northwest Forest Range Exp. Sta., 1965. 9 p. A241.73 G73

GWINNER, M. W. Forest-fire danger as related to air mass in the Ouachita Mountains. U. S. Forest Serv. Res. Note SO-21,4 p. 1965. A99.9 F7628U

KING, D. A. Characteristics of family campers using the Huron-Manistee National Forests. U. S. Forest Serv. Res. Paper LS-19, 11 p.,map. Sept.1965. A99.9 F7624U

KING, J. P., NIENSTAEDT, H., and MACON, J. Super-spruce [*Picea glauca*] seedlings show continued superiority. U. S. Forest Serv. Res. Note LS-66,2 p. Oct.1965. A99.9 F7624

LUCAS, R. C., and SCHWEITZER, D. L. Outdoor recreation surveys: length-of-stay bias and its correction by computer. U. S. Forest Serv. Res. Note LS-68,2 p. Oct.1965. A99.9 F7624

LUNDGREN, A. L. Alinement chart for numbers of trees, diameters, basal areas. U. S. Forest Serv. Res. Note LS-67,2 p. Oct.1965. A99.9 F7624

LUNDGREN, A. L. Thinning red pine [*Pinus resinosa*] for high investment returns. U. S. Forest Serv. Res. Paper LS-18,20 p. Ref. Aug.1965. A99.9 F7624U

MCCLURKIN, D. C. Diameter growth and phenology of trees on sites with high water tables. U. S. Forest Serv. Res. Note SO-22, 4 p. Ref. 1965. A99.9 F7628U

ROE, A. L., and DEJARNETTE, G. M. Results of regeneration cutting in a spruce [*Picea engelmannii*]-subalpine fir [*Abies lasiocarpa*] stand. U. S. Forest Serv. Res. Paper INT-17, 14 p.,map. 1965. A99.9 F764U

ROGERS, N. F., and BRINKMAN, K. A. Shortleaf pine [*Pinus echinata*] in Missouri; understory hardwoods retard growth. U. S. Forest Serv. Res. Paper CS-15,9 p.,map. Sept.1965. A99.9 F7629U

SIEGEL, W. C., and ROW, C. U. S. hardwood imports grow as world supplies expand. U. S. Forest Serv. Res. Paper SO-17,25 p.,map. Ref. 1965. A99.9 F7628Us

U. S. FOREST SERV. Report of the Chief, 1965. Washington, 1966. 50 p. 1 Ag84

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. Bluebunch wheatgrass (*Agropyron spicatum*), selected references, 1920-1964, with annotations, by M. L. Gould. Portland, Oreg., 1965. 10 p. A60.1 G73

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Gifford Pinchot National Forest, 1905-1965; sixty years of multiple use management. Vancouver, Wash., 1966. 34 p.,map. A99.9 G36

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. DIV. OF TIMBER MANAGEMENT. INSECT AND DISEASE CONTROL BR. Pilot test results of Sevin, phosphamidon, and DDT on the western hemlock looper, *Lambdina fiscellaria lugubrosa* Hulst, in southwest Washington in 1963, by P. E. Buffam. Portland, 1964. 41 p. Ref. A423 F7682P

GRADUATE SCHOOL

U. S. DEPT. OF AGRICULTURE, GRADUATE SCHOOL. Lecture series: Design in the Federal Government, designed by G. L. Baka; edited by T. R. Crane. Washington, 1965. 58 p. A317 Ag82

Lectures by A. Heckscher, I. Chermayeff, E. Noyes, F. D. Lethbridge, and panel discussion by S. D. Ripley, J. B. Cabot, N. E. Halaby, and A. J. Moller.

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Performance of wood poles as indicated by replacement experience on 120 rural electric distribution systems, 1951 through 1963; staff report. Washington, 1965. 28 p., map. A300 R88P

SECRETARY, OFFICE OF

BAKER, J. A. Creative conservation of natural beauty; address before the Virginia Nurserymen's Association, Arlington, Virginia, January 23, 1966. Washington, U. S. D. A., Off. Sec., 1966. 9 p. A281.29 B17

STATISTICAL REPORTING SERVICE

U. S. CROP REPORTING BOARD. Crop production, 1965 annual summary; acreage, yield, production, by States. Washington, 1965. 107 p. 1.941 F8S1

U. S. CROP REPORTING BOARD. Milk production and dairy products; annual statistical summary, 1965. Washington, 1965. 32 p. 1.941 H2M59

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

MARTIN, J. M., and DANNER, M. J. The Alabama slaughter cattle industry. Ala. Agr. Exp. Sta. Bull. 365,27 p.,map. Feb.1966. 100 AL15
HODGKINS, E. J. Southeastern forest habitat regions based on physiography. Ala. Agr. Exp. Sta. Forest. Dep. Ser. 2,10 p.,map. Ref. June 1965. 99.9 AL13

Arkansas Agricultural Experiment Station, Fayetteville

COOK, W. C., and CONWAY, D. P. The biology of *Haemonchus contortus* in sheep in the Ozark highlands. Ark. Agr. Exp. Sta. Rep. Ser. 145, 8 p. Jan.1966. 100 Ar42R

California Agricultural Experiment Station, Berkeley

DOST, W. A. Wood residue uses in the California pine region. Calif. Agr. Exp. Sta. Bull. 817,26 p. Ref. Oct.1965. 100 C12S
BROWN, L. R., and EADS, C. O. A technical study of insects affecting the sycamore tree in southern California. Calif. Agr. Exp. Sta. Bull. 818,38 p. Ref. Oct.1965. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

LEONARD, W. H., and others. Sorghum hybrid performance tests in Colorado, 1965. Colo. Agr. Exp. Sta. Gen. Ser. 832,14 p. Feb.1966. 100 C71G
H. O. Mann, J. Swink, and G. O. Hinze, joint authors.
COLORADO farm and home research 16(2),8 p. Sept./Oct.1965. 100 C712Co
COLORADO farm and home research 16(4), 12 p. Jan./Feb.1966. 100 C712Co

Connecticut (Storrs) Agricultural Experiment Station, Storrs

STOCKWELL, E. G. Abridged life tables, by sex, for Connecticut: 1959-1961. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 10,44 p. July 1965. 100 C76Re
STOCKWELL, E. G., and GOLDSMITH, H. F. Population mobility in Connecticut and the northeast region. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 11,57 p. Oct.1965. 100 C76Re

Delaware Agricultural Experiment Station, Newark

FIELDHOUSE, D. J., and PALMER, W. C. The climate of the northeast; meteorological and agricultural drought. Del. Agr. Exp. Sta. Bull. 353,71 p.,map. Feb.1965. 100 D37S

Florida Agricultural Experiment Station, Gainesville

CHAPMAN, W. F., GODWIN, M. R., and MANLEY, W. T. Competitive relationships and alternatives in marketing Florida oranges. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. 66-4, 37 p. Dec.1965. 281.9 F663
U. S. Department of Agriculture and Florida Citrus Commission, cooperating.
BROOKE, D. L. Economic background and trends in the production and marketing of Florida celery. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC66-1,30 p. Ref. Aug.1965. 281.9 F663
BROOKE, D. L. Florida truck crop competition. 1. Inter-state and foreign. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC66-2,30 p. Nov.1965. 281.9 F663

SAVAGE, Z. Movement of citrus trees from Florida nurseries, July 1, 1928 to June 30, 1965. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-3,32 p. Nov.1965. 281.9 F663

WEISENBORN, D. E., SMITH, B. J., and MCPHERSON, W. W. Supplies of fluid milk for Florida; competitive potential of alternative sources. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-5,60 p.,map. Ref. Dec. 1965. 281.9 F663

DOMINICK, B. A., and WILLIAMS, F. W. Futures trading and the Florida orange industry. Fla. Agr. Exp. Sta. Agr. Econ. Mimeo. Rep. EC 66-6,79 p. Ref. Dec.1965. 281.9 F663
Florida Citrus Commission, cooperating.

PEACOCK, F. M., KIRK, W. G., and KOGER, M. Effect of Brahman breeding on performance of calves from weaning to feedlot. Fla. Agr. Exp. Sta. Bull. 705,8 p. Dec.1965. 100 F66S

BAKER, F. S. Steer wintering rations in north Florida. Fla. Agr. Exp. Sta. Circ. S-174,15 p. Jan.1966. 100 F66Ci

MCCALEB, J. E., PEACOCK, F. M., and HODGES, E. M. Effect of feed additives on preservation and feeding value of pangolagrass silage. Fla. Agr. Exp. Sta. Tech. Bull. 697,15 p. Oct. 1965. 100 F66S

BECKER, R. B., HENDERSON, J. R., and LEIGHTY, R. G. Mineral malnutrition in cattle. Fla. Agr. Exp. Sta. Tech. Bull. 699,54 p. Ref. Oct.1965. 100 F66S

Georgia Agricultural Experiment Stations, Athens

CULVER, D. W., BROWN, E. E., and ROSE, B. B. Agriculture and agribusiness in the economic development of the Coastal Plain Commission area of Georgia. Ga. Agr. Exp. Sta. Bull. (n.s.)149,66 p.,map. Ref. Nov.1965. 100 G293B

Coastal Plain Area Planning and Development Commission, cooperating.

UKKELBERG, H. G., and HARMON, S. A. Vegetable production on Coastal Bermudagrass sod. Ga. Agr. Exp. Sta. Mimeo. Ser. (n.s.) 243,10 p. Jan.1966. 100 G293M

VALLI, V. J. A biometeorological data logging system for agricultural research. Ga. Agr. Exp. Sta. Mimeo. Ser. (n.s.)244,18 p. Jan. 1966. 100 G293M

GOLDEN, B. A., DUKES, P. D., and JENKINS, S. F. Performance of flue-cured tobacco varieties and breeding lines in Georgia, 1965. Ga. Agr. Exp. Sta. Mimeo. Ser. (n.s.)247, 35 p. Jan.1966. 100 G293M

RAUNIKAR, R., PURCELL, J. C., and ELROD, J. C. Consumption and expenditure analysis for meat, meat products, and eggs in Atlanta, Georgia. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.) 46,61 p. Sept.1965. 100 G293T

WARREN, E. P., THRIFT, F. A., and CARMON, J. L. Estimates of the effects of certain environmental factors on weaning weights of Georgia beef calves. Ga. Agr. Exp. Sta. Tech. Bull. (n.s.)47,22 p. Ref. Oct.1965. 100 G293T

Illinois Agricultural Experiment Station, Urbana

ILLINOIS agricultural economics 6(1),33 p. Ref. Jan.1966. 281.9 IL6I

Indiana Agricultural Experiment Station, Lafayette

ARMBRUSTER, W. J., and SNYDER, J. C. Programmed profit analysis for sausage manufacturing. Ind. Agr. Exp. Sta. Res. Bull. 800, 20 p. Ref. Nov.1965. 100 In2P

STAFFORD, J. H., and SNYDER, J. C. Production Planning and Inventory Control System for feed manufacturers. Ind. Agr. Exp. Sta. Res. Bull. 803,22 p. Dec.1965. 100 In2P

VERTREES, J. G., and WILLIAMS, R. J. Integration in the Indiana turkey industry. Ind. Agr. Exp. Sta. Res. Progr. Rep. 215,7 p. Feb. 1966. 100 In2Res

GOETZ, H. M., and others. Quantity and quality measures for homemaking work units. Ind. Agr. Exp. Sta. Res. Progr. Rep. 217,6 p. Feb. 1966. 100 In2Res

E. Purcell, S. L. Manning, and C. Fitzsimmons, joint authors.

Iowa Agricultural and Home Economics Experiment Station, Ames

HEADY, E. O., and SKOLD, M. Projections of U. S. agricultural capacity and interregional adjustments in production and land use with spatial programming models. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 539,511-559,map. Aug.1965. 100 Io9

LADD, G. W., and HALLBERG, M. An exploratory econometric study of dairy bargaining cooperatives. Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 542,627-651. Ref. Nov.1965. 100 Io9

Kansas Agricultural Experiment Station, Manhattan

GREIG, J. K., and GWIN, R. E. Dry bean production in Kansas. Kans. Agr. Exp. Sta. Bull. 486,19 p.,map. Mar.1966. 100 K13S

WALTER, T. L. Kansas corn performance tests, 1965. Kans. Agr. Exp. Sta. Bull. 490, 43 p.,map. Feb.1966. 100 K13S

WALTER, T. L. 1965 Kansas grain sorghum performance tests. Kans. Agr. Exp. Sta. Bull. 491,45 p.,map. Mar.1966. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

SHANE, J. F., and others. Results of the Kentucky soybean performance tests—1965. Ky. Agr. Exp. Sta. Progr. Rep. 159,11 p.,map. Feb.1966. 100 K41Pr

L. Link, S. H. Phillips, J. W. Herron, and C. Tutt, joint authors.

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Sixth livestock producers' day, January 19, 1966, Baton Rouge, Louisiana. Baton Rouge, 1966. 140 p. 43.9 L932

Maine Agricultural Experiment Station, Orono

PLOCH, L. A. A comparison of the social characteristics of Maine's contract and independent table-egg producers. Maine. Agr. Exp. Sta. Misc. Publ. 670,29 p. Nov.1965. 100 M28S

HUTCHINSON, F. E., and RICH, J. S. Commercial agricultural and vegetable seeds, 1965; pesticides, 1965. Maine. Agr. Exp. Sta. Offic. Insp. 277,60 p. Oct.1965. 100 M28S

SHANDS, W. A., and others. Parasites of potato-infesting aphids in northeastern Maine. Maine. Agr. Exp. Sta. Tech. Bull. T-19,77 p. Ref. Oct.1965. 100 M28B

G. W. Simpson, C. F. W. Muesebeck, and H. E. Wave, joint authors.

U. S. Department of Agriculture, cooperating.

Maryland Agricultural Experiment Station, College Park

BEAL, G. M., and COALE, C. W. Post World War II foreign trade in Maryland tobacco. Md. Agr. Exp. Sta. Misc. Publ. 552,84 p. Dec.1965. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

RUSSELL, S. Development of milk supplies in the Ankara, Turkey, milkshed. Mass. Agr. Exp. Sta. Bull. 554,40 p.,map. Ref. July 1965. 100 M38H

JOHNSON, E. A. Meteorological observations for December, 1965. Mass. Agr. Exp. Sta. Meteorol. Ser. Bull. 924,4 p. Dec.1965. 100 M38H

JOHNSON, E. A. Meteorological observations for February, 1966. Mass. Agr. Exp. Sta. Meteorol. Ser. Bull. 926,3 p. Feb.1966. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

MONROE, R. E., and POLITYKA, C. S. The comparative toxicities of three insecticides to the cereal leaf beetle [*Oulema melanopa*]. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):140-143. Nov.1965. 100 M58S

HOWITT, A. J., and PSHEA, A. The development and use of ultra low volume ground sprayers for pests attacking fruit. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):144-160. Nov. 1965. 100 M58S

HOWITT, A. J., PSHEA, A., and CARPENTER, W. S. Causes of deformity in strawberries evaluated in a plant bug control study. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):161-166. Nov. 1965. 100 M58S

HOWITT, A. J., and PSHEA, A. The biology and control of the raspberry crown borer, *Bembecia marginata* (Harr.) in Michigan. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):167-172. Nov.1965. 100 M58S

SINGH, H., and SCHAIBLE, P. J. Effect of certain sanitary measures upon livability and performance of pullets. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):173-183. Ref. Nov.1965. 100 M58S

AL-SOUDI, K. A., and SCHAIBLE, P. J. Effect of certain soybean treatments upon growth and egg production of chickens. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):184-194. Ref. Nov.1965. 100 M58S

BLAKESLEE, L. H., and GOOD, B. H. Feeding and pasture management of nursing and weaned lambs. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):195-200. Nov.1965. 100 M58S

FARRALL, A. W. Analysis of an inertial propulsion system. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):201-207. Nov.1965. 100 M58S

WHEATON, F., and MACKSON, C. J. Electro-osmotic head and flow reversal under saturated conditions in soil; a preliminary report. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):208-214. Nov.1965. 100 M58S

MAGRABI, F. M., and KING, M. P. Socioeconomic situation of selected Michigan State University alumni after six to seven years. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):215-230. Ref. Nov.1965. 100 M58S

MILLER, R. M., STINE, C. M., and HARMON, L. G. The effect of monoglycerides on the properties of Neufchatel and Creamed cheese. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):231-237. Nov.1965. 100 M58S

JACOBS, R. A., NICHOLAS, R. C., and PFLUG, I. J. Heat resistance of *Bacillus subtilis* spores in atmospheres of different water contents. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):238-246. Nov.1965. 100 M58S

PFLUG, I. J., and SCHMIDT, E. D. pH as a function of acetic acid concentration in fresh cucumbers and salt stock pickles. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):247-254. Nov. 1965. 100 M58S

LINTON, K. J., and BALL, R. C. A study of the fish populations in a warm-water stream. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):255-285,map. Ref. Nov.1965. 100 M58S

RADCLIFFE, B. M. A theoretical evaluation of Hankinson's formula for modulus of elasticity of wood at an angle to the grain. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):286-295. Ref. Nov.1965. 100 M58S

BEHR, E. A., RADCLIFFE, B. M., and WILKINS, K. O. Strength of plantation grown and second growth red pine poles. Mich. Agr. Exp. Sta. Quart. Bull. 48(2):296-319. Nov. 1965. 100 M58S

DONETH, J. C. Michigan farm business report for 1964. Mich. Agr. Exp. Sta. Res. Rep. 36, 8 p. 1965? 284.9 M58

Minnesota Agricultural Experiment Station,
St. Paul Campus, St. Paul 1

MINNESOTA. AGRICULTURAL EXPERIMENT STATION. Varietal trials of farm crops. Minn. Agr. Exp. Sta. Misc. Rep. 24, rev., 20 p., map. Dec. 1965. 100 M66

PETERSON, R. H., SENTZ, J. C., and COMPTON, W. A. 1965 Minnesota hybrid corn performance trials. Minn. Agr. Exp. Sta. Misc. Rep. 28, 15 p., map. Feb. 1966. 100 M66

Missouri Agricultural Experiment Station, Columbia

GWIN, P., and ROGERS, F. E. A role in world affairs at M.U. [University of Missouri]. Mo. Agr. Exp. Sta. Bull. B-841, 11 p., map. Feb. 1966. 100 M693

LAUGHLIN, R. E., HAGAN, A. R., and DOLL, J. P. An economic analysis of alternative beef cattle systems for a large farm in central Missouri. Mo. Agr. Exp. Sta. Res. Bull. 895, 54 p., map. Ref. Sept. 1965. 100 M693

U. S. Department of Agriculture, cooperating.

PROSSER, C. L. Theory of physiological adaptation of poikilotherms to heat and cold. Mo. Agr. Exp. Sta. Spec. Rep. 59, 31 p. Ref. Dec. 1965. 100 M693Sp

FEUERBACH, R. L., and MILLER, K. E. Trends in crops. Mo. Agr. Exp. Sta. SB 837, 40 p., map. Feb. 1966. 100 M693

FEUERBACH, R. L., and WHITTED, S. F. Trends in dairy. Mo. Agr. Exp. Sta. SB 839, 28 p., map. Feb. 1966. 100 M693

Montana Agricultural Experiment Station, Bozeman

PRATT, R., GRAHAM, L., and PEPPER, J. H. Montana insect pests, 1963-1964; 40th report of the State Entomologist. Mont. Agr. Exp. Sta. Misc. Publ. 5, 16 p. Oct. 1964. 100 M76Mi

Nebraska Agricultural Experiment Station, Lincoln

DREIER, A. F., NORDQUIST, P. T., and GRABOUSKI, P. H. Performance of sorghum hybrids and varieties in Nebraska, 1965. Nebr. Agr. Exp. Sta. Outstate Testing Circ. 120, 40 p., map. Jan. 1966. 100 N270

New Hampshire Agricultural Experiment Station, Durham

PENICK, E. B., WALLACE, O. P., and BOND, R. S. Marketing of lumber by retail lumber yards in the Northeast—Phase III. N. H. Agr. Exp. Sta. Bull. 487, 35 p., map. May 1965. 100 N45

Agricultural Experiment Stations of Maine, Massachusetts, Pennsylvania, Vermont, and West Virginia; and U. S. Department of Agriculture, cooperating.

New Jersey Agricultural Experiment Station, New Brunswick

ALDERFER, R. B., and others. Sprinkler irrigation in New Jersey. N. J. Agr. Exp. Sta. Bull. 815, 64 p., Feb. 1966. 100 N46S

R. H. Hanna, L. C. Raniere, G. D. Brill, R. H. Marston, G. A. Quakenbush, K. S. Werkman, and K. P. Wilson, joint authors.

Irrigation Committee, College of Agriculture and Environmental Science, Rutgers, and U. S. Department of Agriculture, cooperating.

New York (State) Agricultural Experiment Station,
Geneva

LIDER, L. A., and SHAULIS, N. Resistant rootstocks for New York vineyards. N. Y. (State) Agr. Exp. Sta. Res. Circ. Ser. 2, 8 p. Dec. 1965. 100 N48R

North Dakota Agricultural Experiment Station, State
College Station, Fargo

MCDOWELL, J. I., and HEDLAND, V. L. Market patterns and potentials for North Dakota hog production. N. Dak. Agr. Exp. Sta. Bull. 460, 31 p. Oct. 1965. 100 N813

NORTH DAKOTA farm research. 24(2), 20 p. Nov./Dec. 1965. 100 N813B

Ohio Agricultural Research and Development Center,
Wooster

FUTRELL, G. A., WALKER, F. E., and STOUT, T. T. Econometric generalizations of the Ohio beef and pork industries in interregional competition. Ohio Agr. Res. Develop. Center. Res. Bull. 974, 59 p., map. Nov. 1965. 100 Oh3S

DEACON, R. E., and KROFTA, J. A. Economic progress of rural nonfarm and part-time farm families. Ohio Agr. Res. Develop. Center. Res. Bull. 976, 30 p. Dec. 1965. 100 Oh3S

OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Beef cattle research, 1965. Ohio Agr. Res. Develop. Center. Res. Sum. 7, 28 p. Jan. 1966. 100 Oh3Rs

Oklahoma Agricultural Experiment Station, Stillwater

HINES, F. K., and TWEETEN, L. G. The changing economic structure of Oklahoma agriculture. Okla. Agr. Exp. Sta. Bull. B-644, 4 p., map. Feb. 1966. 100 Ok4

NELSON, G. L., and others. Analysis of static pressures for cross-flow air circulation in cylindrical grain bins. Okla. Agr. Exp. Sta. Bull. B-645, 15 p. Mar. 1966. 100 OK4

D. L. Day, G. B. Welch, and H. Hamilton, joint authors.

Oregon Agricultural Experiment Station, Corvallis

RAMPTON, H. H. Time isolation as a safeguard to varietal purity in perennial ryegrass, [Lolium perenne], and annual ryegrass [Lolium multiflorum], and orchardgrass [Dactylis glomerata]. Corvallis, Oregon. Oreg. Agr. Exp. Sta. Circ. Inform. 623, 12 p. Mar. 1966. 100 Or3C

ADAIR, J., STOUT, F. M., and OLDFIELD, J. E. Mink nutrition research, 1965 progress report. Oreg. Agr. Exp. Sta. Spec. Rep. 207, 31 p. Feb. 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

CAIN, R. F., and KIRK, D. E. Parallel-flow drying of Italian prunes. Oreg. Agr. Exp. Sta. Spec. Rep. 209, 5 p. Feb. 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

DATERMAN, G. E., RUDINSKY, J. A., and NAGEL, W. P. Flight patterns of bark and timber beetles associated with coniferous forests of western Oregon. Oreg. Agr. Exp. Sta. Tech. Bull. 87,46 p. Ref. Oct.1965. 100 Or3S

BRANDENBURG, N. R., and HARMOND, J. E. Separating seeds by length with special indent cylinders. Oreg. Agr. Exp. Sta. Tech. Bull. 88, 20 p. Jan.1966. 100 Or3S

Pennsylvania Agricultural Experiment Station,
University Park

ODLAND, M. L., NOLL, C. J., and RUNNER, M. H. 1965 vegetable variety trials. Penn. Agr. Exp. Sta. Progr. Rep. 263,8 p. Mar.1966. 100 P381P

Rhode Island Agricultural Experiment Station, Kingston

RHODE ISLAND agriculture 12(1),12 p. Jan. 1966. 100 R342

South Carolina Agricultural Experiment Station, Clemson

CORLEY, E. M., JANZEN, J. J., and KERR, H. W. Consumer preference for modified whole beverage milks in South Carolina. S. C. Agr. Exp. Sta. Bull. 522,25 p. Dec.1965. 100 So8

STEMBRIDGE, G. E. The measurement of growth responses in young peach trees. S. C. Agr. Exp. Sta. Tech. Bull. 1019,12 p. Ref. Nov.1965. 100 So8T

HURST, V., and others. Infertility in beef cattle. S. C. Agr. Exp. Sta. Tech. Bull. 1020,8 p. Nov.1965. 100 So8T

J. W. Kelly, W. C. Godley, J. R. Hill, H. S. Powell, and D. E. Roebuck, joint authors.

South Dakota Agricultural Experiment Station, Brookings

TRIERWEILER, J. E., and ERICKSON, D. B. Structural relationships for national and regional beef calf production. S. Dak. Agr. Exp. Sta. Tech. Bull. 25,52 p. June 1965. 100 So82

KINGSLEY, Q. S., and SHUBECK, F. E. Organic trenching in South Dakota claypan soils. S. Dak. Agr. Exp. Sta. Tech. Bull. 26,31 p. Ref. Nov.1965. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

PARKS, W. L., and SAFLEY, L. M. The effect of irrigation and nitrogen upon the yield and quality of dark tobacco. Tenn. Agr. Exp. Sta. Bull. 394,12 p. July 1965. 100 T25S

Texas Agricultural Experiment Station, College Station

REEVES, B. G., and others. Suggestions for weed control with chemicals. Tex. Agr. Exp. Sta. B-1029,48 p. 1965. 100 T31S

L. H. Wilkes, B. J. Cochran, T. E. Boswell, A. L. Harrison, G. O. Hoffman, R. H. Haas, W. G. McCully, A. F. Wiese, B. R. Spears, F. C. Elliott, H. E. Rea, A. C. Novosad, E. C. Holt, R. J. Miears, H. R. Hudgins, N. P. Maxwell, B. G. Hancock, J. B. Storey, J. E. Larsen, D. R. Paterson, R. M. Menges, J. H. Kyle, T. D. Longbrake, W. G. Klussmann, and J. M. Inglis, joint authors.

STUBBS, A. C. Homemaker orientation related to marketing. Tex. Agr. Exp. Sta. B-1041,12 p. Sept.1965. 100 T31S

ANDREWS, F. B., and WOOTEN, A. B. What's happening in the Texas farm and ranch land market. Tex. Agr. Exp. Sta. B-1042,11 p.,map. Sept.1965. 100 T31S

Published jointly with Texas Agricultural Extension Service.

HUBBARD, J. L. Performance of cotton varieties in the lower Rio Grande Valley of Texas, 1963-65. Tex. Agr. Exp. Sta. MP-798,4 p. Feb.9,1966. 100 T31M

BOCKHOLT, A. J., and HAVELKA, U. D. Summary of the 1965 corn performance tests. Tex. Agr. Exp. Sta. Progr. Rep. PR-2380,13 p. Nov.30,1965. 100 T31P

CROUCH, E. K., and RIGGS, J. K. Coastal Bermuda hay and alfalfa hay for wintering beef cows in east Texas. Tex. Agr. Exp. Sta. Progr. Rep. PR-2387,5 p. Jan.21,1966. 100 T31P

ROSENOW, D. T., and HADDOX, T. E. Performance of grain sorghum hybrids at 14 test locations in south and central Texas in 1965. Tex. Agr. Exp. Sta. Progr. Rep. PR-2403,18 p. Jan.29,1966. 100 T31P

TEXAS agricultural progress 12(1),24 p. Winter 1966. 100 T31Te

Utah Agricultural Experiment Station, Logan

COOK, C. W. Plant and livestock responses to fertilized rangelands. Utah. Agr. Exp. Sta. Bull. 455,35 p. Ref. Oct.1965. 100 Utl

Vermont Agricultural Experiment Station, Burlington

VERMONT farm and home science 8(2),12 p. Fall 1965. 100 V593

Virginia Agricultural Experiment Station, Blacksburg

GENTER, C. F., and others. Corn performance tests in Virginia in 1965. Va. Agr. Exp. Sta. Res. Rep. 103,20 p. Dec.1965. 100 V81R
M. W. Alexander, H. M. Camper, G. D. Jones, F. S. McClaugherty, and C. W. Roane, joint authors.

SCOTT, F. H., COOLER, F. W., and CAMPER, H. M. Tomato variety trials, fresh market, 1965. Va. Agr. Exp. Sta. Res. Rep. 104,16 p. Jan.1966. 100 V81R

HURST, H. T., MEADOR, N. F., and TOWNSEND, E. L. Tilt-up timber rigid frame buildings. Va. Agr. Exp. Sta. Tech. Bull. 173,47 p. Ref. Sept.1964. 100 V81S

KLINE, R. G. Economic adjustments for small flue-cured tobacco farms. southside Virginia. Va. Agr. Exp. Sta. Tech. Bull. 174,157 p.,map. June 1964. 100 V81S

WILLS, W. H. Exploratory investigation of the ecology of black shank disease of tobacco. Va. Agr. Exp. Sta. Tech. Bull. 181,20 p. Ref. July 1965. 100 V81S

Washington Agricultural Experiment Stations, Pullman

WASHINGTON. AGRICULTURAL EXPERIMENT STATION. Seventy-fifth annual report. Wash. Agr. Exp. Sta. Bull. 670,12 p. Jan.1966. 100 W27E

NELSON, C. E., EARLY, R. E., and MORTENSEN, M. A. The effects on wheat yield of deep discing and springtooth harrowing the soil following shanked in "ammonium nitrogen" fertilization. Wash. Agr. Exp. Sta. Circ. 459,8 p. Jan.1966. 100 W27S

West Virginia Agricultural Experiment Station,
Morgantown

JACKSON, N. D., KOCH, C. B., and REID, W. H. A method for controlling the dimension of hardwood lumber. W. Va. Agr. Exp. Sta. Bull. 511,26 p. June 1965. 100 W52

DORSEY, C. K., and others. Cattle grub [Hypoderma] control experiments under field conditions using systemic and other insecticides, 1959-1965. W. Va. Agr. Exp. Sta. Bull. 515T, 17 p. Ref. Nov.1965. 100 W52

J. O. Heishman, C. J. Cunningham, and H. E. Kidder, joint authors.

BURKE, R. L., and JACK, R. L. Small greenhouse and greenhouse-florist operations in West Virginia. W. Va. Agr. Exp. Sta. Bull. 517,19 p. Dec.1965. 100 W52

STATE AGRICULTURAL EXTENSION SERVICE
PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

ALABAMA - Auburn University, Agricultural Extension Service, Auburn

HELMS, F. Alabama agriculture; its resources and their uses. Auburn Univ. Ext. Circ. M-8, 16 p., map. 1964. 275.29 AL14Cm

AUBURN UNIVERSITY, AGRICULTURAL EXTENSION SERV. Butler County long-time extension program summary. Auburn Univ. Ext. Circ. M-9, 24 p. 1964. 275.29 AL14Cm

LEDBETTER, R. J. Insect control in the home garden. Auburn Univ. Ext. Circ. P-3, 6 p.-folder. July 1965. 275.29 AL14Cp

SOWELL, W. F., and ADAMS, F. Lime pays in many ways. Auburn Univ. Ext. Circ. P-46, 11 p. July 1965. 275.29 AL14Cp

BAGBY, J. Pepper production guide. Auburn Univ. Ext. Circ. P-47, 6 p.-folder. July 1965. 275.29 AL14Cp

BAGBY, J. Good gardening for better living. Auburn Univ. Ext. Circ. P-50, 32 p. Aug. 1965. 275.29 AL14Cp

KEEBLE, T. Pruning ornamental plants. Auburn Univ. Ext. Circ. P-52, 15 p. Aug. 1965. 275.29 AL14Cp

COOLIDGE, J. H., and others. Income tax management for farmers. Auburn Univ. Ext. Circ. S-6, 12 p. Sept. 1965. 275.29 AL14Cs
A. W. Anderson, R. Schwart, R. Krofta, and F. Olson, joint authors.

DOWNEY, I. Canning snap beans. Auburn Univ. Ext. Leaf. YHE-41, 4 p. May 1965. 275.29 AL14L

ARIZONA University, Agricultural Extension Service, Tucson

RONEY, J. N., and WENE, G. Protect the cotton plant from insect injury. Ariz. Univ. Ext. Bull. A-26, rev., 20 p. Mar. 1964. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

DENNIS, R. E. Sugar beets in Arizona. Ariz. Univ. Ext. Folder 110, 8 p.-folder. Nov. 1965. 275.29 Ar42Ext

ARKANSAS University, Agricultural Extension Service, Little Rock

GATTIS, J. L. Water conditioning. Ark. Univ. Ext. Circ. 512, rev., 19 p. Oct. 1965. 275.29 Ar4

BENNETT, E. Pine cone decorations. Ark. Univ. Ext. Circ. 525, 18 p. Nov. 1965. 275.29 Ar4

WELLHAUSEN, H. W. Forage crops for Arkansas. Ark. Univ. Ext. Leaf. 281, rev., 12 p.-folder. Nov. 1965. 275.29 Ar4Le

METZLER, G. F. Campgrounds, a commercial recreation business for farms. Ark. Univ. Ext. Leaf. 363, 6 p.-folder. May 1964. 275.29 Ar4Le

LANKFORD, L. T., and MINER, J. J. Feeding hens for egg production. Ark. Univ. Ext. Leaf. 376, 11 p.-folder. Oct. 1965. 275.29 Ar4Le

TENBORG, C. Choose counter tops wisely. Ark. Univ. Ext. Leaf. 381, 8 p.-folder. Oct. 1965. 275.29 Ar4Le

BARNES, G., and DOWELL, G. C. Making an insect collection. Ark. Univ. Ext. Misc. Publ. 83, 34 p. Dec. 1964. 275.29 Ar4Mi

CALIFORNIA University, Agricultural Extension Service, Berkeley

THOR, E., and others. Leafy green vegetables, production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-2, 91 p. Nov. 1965. 275.29 C12I

H. Seney, B. Burlingame, P. S. Parsons, M. J. Snyder, R. H. Sciaroni, R. A. Brendler, A. H. Holland, J. W. Huffman, and G. E. May, joint authors.

Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

FORKER, O. D., and SENEY, H. Truck transportation—to own or not to own. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-3, 27 p. Nov. 1965. 275.29 C12I

Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

THOR, E., REVZAN, M., and SIEBERT, J. B. A guide for measuring relative profitableness of alternative work methods in agricultural packing and processing operations. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 65-4, 108 p. Ref. Dec. 1965. 275.29 C12I

Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

FLORIDA University, Agricultural Extension Service, Gainesville

BROGDON, J. E., and LAWRENCE, F. P. Insects and mites of Florida citrus. Fla. Univ. Ext. Circ. 137B, 16 p.-folder. Nov. 1965. 275.29 F66C

MARVEL, M. E., and MONTELARO, J. Strawberry production guide. Fla. Univ. Ext. Circ. 142C, 12 p. Dec. 1965. 275.29 F66C

PETTIS, A. M. Home water quality control. Fla. Univ. Ext. Circ. 291, 10 p.-folder. Oct. 1965. 275.29 F66C

GEORGIA University, College of Agriculture, Extension Service, Athens

MURRAY, B. R. Christmas trees, a profitable crop for Georgia. Ga. Univ. Ext. Bull. 606, rev. 15 p. June 1965. 275.29 G29B

ALMAND, J. D. Wanted: more wood ducks in Georgia. Ga. Univ. Ext. Bull. 649, 12 p. Oct. 1965. 275.29 G29B

JACKSON, J. E. Cotton picking money. Ga. Univ. Ext. Circ. 497, rev., 10 p.-folder. Aug. 1965. 275.29 G29C

THRASH, N. Canning tomatoes at home. Ga. Univ. Ext. Circ. 555, 4 p. Feb. 1966. 275.29 G29C

GARRETT, W. N. Dogwood diseases. Ga. Univ. Ext. Leaf. 36, 6 p.-folder. Sept. 1965. 275.29 G29L

THOMPSON, S. S. Southern stem rot and score shin of flue cured tobacco. Ga. Univ. Ext. Leaf. 37, 6 p.-folder. Oct. 1965. 275.29 G29L

COLEMAN, V. R. Scorpions and their control. Ga. Univ. Ext. Leaf. 38, 6 p.-folder. Sept. 1965. 275.29 G29L

MCGLOHON, N. E. Nematode control in peach orchards. Ga. Univ. Ext. Leaf. 39, 8 p.-folder. Oct. 1965. 275.29 G29L

FRENCH, J. C., and SAMPLES, L. E. Control insects in stored peanuts. Ga. Univ. Ext. Leaf. 40, 7 p.-folder. Oct. 1965. 275.29 G29L

MCGLOHON, N. E. Bramble diseases (black-berry and dewberry). Ga. Univ. Ext. Leaflet. 41, 6 p.-folder. Oct.1965. 275.29 G29L

MCGLOHON, N. E. Diseases of greenhouse tomatoes. Ga. Univ. Ext. Leaflet. 42,12 p.-folder. Oct.1965. 275.29 G29L

MCGLOHON, N. E. Bunch grape diseases. Ga. Univ. Ext. Leaflet. 43,8 p.-folder. Oct.1965. 275.29 G29L

HAWAII University, Agricultural Extension Service, Honolulu

WATSON, D. P., and others. Hawaiian plumerias. Hawaii. Univ. Ext. Circ. 410,20 p. Ref. Nov.1965. 275.29 H312Ac

J. T. Chinn, H. F. Clay, and J. L. Brewbaker, joint authors.

HUGH, W. I. Management and feeding of sow and litter. Hawaii. Univ. Ext. Circ. 412,24 p. Sept.1965. 275.29 H312Ac

IDAHO University, College of Agriculture, Extension Service, Moscow

DOUGLASS, J. R., PORTMAN, R. W., and MANIS, H. C. Spider mites of beans and corn and their control. Idaho. Agr. Coll. Ext. Bull. 450,6 p.-folder. Sept.1965. 100 Id14

ILLINOIS University, Cooperative Extension Service in Agriculture and Home Economics, Urbana

REISS, F. J. What is a fair crop-share lease? Ill. Univ. Ext. Circ. 918,27 p. Oct.1965. 275.29 IL62C

MUEHLING, A. J., and FRYMAN, L. R. Free-stall housing for dairy cattle. Ill. Univ. Ext. Circ. 919,8 p. Oct.1965. 275.29 IL62C

PARDEE, W. D., and others. Soybean varieties in Illinois for 1966. Ill. Univ. Ext. Circ. 929, 16 p.,map. Feb.1966. 275.29 IL62C

R. L. Bernard, R. O. Weibel, and W. O. Scott, joint authors.

IOWA State University of Science and Technology, Cooperative Extension Service, Ames

VAN HORN, H. H. Urea-corn silage for beef and dairy cattle. Iowa. State Univ. Ext. Pam. 316,4 p. July 1965. 275.29 Io9Pa

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

WRIGHT, G. W., BOHANNON, R. A., and SMITH, F. W. Lime and fertilizer recommendations from soil tests. Kans. State Univ. Ext. C-352,8 p. Sept.1965. 275.29 K13Ex

PASS, I. Vegetable cookery. Kans. State Univ. Ext. C-355,16 p. Nov.1965. 275.29 K13Ex

MOYER, W. A., WENDLING, L. T., and KOCH, B. A. Swine management. Kans. State Univ. Ext. C-356,15 p. Dec.1965. 275.29 K13Ex

SELF, E. W., and FELDER, W. F. How time flies! Time management. Kans. State Univ. Ext. C-357,8 p. Oct.1965. 275.29 K13Ex

SELF, E. W., and SIPPOLA, K. H. Your work and your posture. Kans. State Univ. Ext. C-358, 12 p. Oct.1965. 275.29 K13Ex

KANSAS. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. EXTENSION SERV. Your career as an extension agent. Kans. State Univ. Agr. Ext. L-186,6p.-folder. Nov.1965. 275.29 K13Le

KENTUCKY University, Agricultural Extension Service, Lexington

CHAPLIN, C. E., and STACEY, J. K. The home fruit garden. Ky. Univ. Ext. Circ. 508-C, rev.,35 p. June 1965. 275.29 K415

DAVIS, H. W. Home gardening for better living. Ky. Univ. Ext. Circ. 539-B,12 p. June 1965. 275.29 K415

LOUISIANA State University and Agricultural and Mechanical College, Agricultural Extension Service, University Farm, Baton Rouge

HIGGINBOTHAM, L. Swing into life with good health. La. State Univ. Ext. Publ. 1425, 23 p. Mar.1965. 275.29 L93Ep

BRYSON, B. Brighten your rooms with paint. La. State Univ. Ext. Publ. 1430,11 p. July 1965. 275.29 L93Ep

BRYSON, C. P., and others. Harvest all you grow—increase profits; pick dry cotton. La. State Univ. Ext. Publ. 1433,6 p.-folder. July 1965. 275.29 L93Ep

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With the assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits; what are your losses? La. State Univ. Ext. Publ. 1434,6 p.-folder. July 1965. 275.29 L93Ep

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With the assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits; check picker performance. La. State Univ. Ext. Publ. 1435, 4 p. July 1965. 275.29 L93Ep

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With the assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits; repair, adjust and operate picker for high efficiency. La. State Univ. Ext. Publ. 1436,8 p.-folder. July 1965. 275.29 L93Ep

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With the assistance of National Cotton Council.

LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Electronic farm accounting. La. State Univ. Ext. Publ. 1439,4 p. Oct.1965. 275.29 L93Ep

FARMER, B. M., WILLIAMS, R. E., and ROARK, F. Fibers for today's consumer. La. State Univ. Ext. Publ. 1442,15 p. Nov. 1965. 275.29 L93Ep

MAINE University, Cooperative Extension Service, Orono

MAINE. UNIVERSITY. COOPERATIVE EXTENSION SERV. Flail-harvested hay. Maine. Univ. Ext. Leaflet. 3,4 p. Mar.1965. 275.29 M282

MARYLAND University, Cooperative Extension Service, College Park

CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control: average cost to pack whole kernel corn. Md. Univ. Ext. Agr. Econ. Inform. Ser. 29,8 p. Nov.1965. 275.29 M36Agr

CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control; average cost to pack tomatoes. Md. Univ. Ext. Agr. Econ. Inform. Ser. 30,8 p. Nov.1965. 275.29 M36Agr

CAIN, J. L., and SCHERMERHORN, R. W. Management guide to cost control; average cost to pack sweet potatoes. Md. Univ. Ext. Agr. Econ. Inform. Ser. 31,9 p. Nov.1965. 275.29 M36Agr

GRAHAM, C., and others. 1966 Maryland spray calendar for commercial apple and peach growers. Md. Univ. Ext. Ext. Bull. 134, 12 p. 1966. 275.29 M36B

E. R. Krestensen, T. L. Bissell, L. O. Weaver, and G. J. Stadelbacher, joint authors.

CASON, J. L., and others. Economical grain feeding for dairy cows. Md. Univ. Ext. Ext. Bull. 202,16 p. May 1965. 275.29 M36B

R. F. Davis, R. W. Hemken, J. H. Vandersall, and C. D. Caskey, joint authors.

BOBB, A. C. Grafting fruit trees. Md. Univ. Ext. Ext. Bull. 208,16 p. Oct.1965. 275.29 M36B

CLARK, N. A. How to produce better corn silage. Md. Univ. Ext. Fact Sheet 171,2 p. Sept. 1965. 275.29 M36Fa

CHANCE, C. M. How to get more milk from your dairy herd. Md. Univ. Ext. Fact Sheet 172,4 p. Sept.1965. 275.29 M36Fa

MICHIGAN State University of Agriculture and Applied Science, Cooperative Extension Service, East Lansing

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Chemical control of insects and diseases on commercial vegetables. Mich. State Univ. Ext. Ext. Bull. 312(sup.),2 p. Mar.1966. 275.29 M58B

ROSSMAN, E. C., and others. Michigan corn production; hybrids compared, 1966. Mich. State Univ. Ext. Ext. Bull. 431,rev.,11 p.,map. Feb.1966. 275.29 M58B

B. M. Darling, J. Taylor, and A. Reese, joint authors.

CARLSON, R. F. Dwarfed fruit trees. Mich. State Univ. Ext. Ext. Bull. 432,6 p.-folder. Feb.1966. 275.29 M58B

PUTNAM, A. R., and others. Chemical weed control for horticultural crops. Mich. State Univ. Ext. Ext. Bull. 433,rev.,8 p. Mar.1966. 275.29 M58B

S. K. Ries, J. Hull, and R. P. Larsen, joint authors.

HILDEBRAND, S. C., and MEGGITT, W. F. Michigan corn production; weed control. Mich. State Univ. Ext. Ext. Bull. 438,rev.,4 p. Jan. 1966. 275.29 M58B

JANES, R. L., and RUPPEL, R. Michigan corn production; insect control. Mich. State Univ. Ext. Ext. Bull. 439,rev.,8 p. Mar.1966. 275.29 M58B

BACKUS, L. K. Before 65. Mich. State Univ. Ext. Ext. Bull. 495,6 p.-folder. Nov.1965. 275.29 M58B

BACKUS, L. K. After 65. Mich. State Univ. Ext. Ext. Bull. 496,5 p.-folder. Nov.1965. 275.29 M58B

JANES, R. L., and RUPPEL, R. Field bean, soybean, and sugar beet production; insect and nematode control in Michigan. Mich. State Univ. Ext. Ext. Bull. 499,8 p. Dec.1965. 275.29 M58B

JOHNSTON, S., and LARSEN, R. P. Peach culture in Michigan. Mich. State Univ. Ext. Ext. Bull. 509,21 p.,map. Dec.1965. 275.29 M58B

COLEMAN, M. J., and LINDSTROM, R. S. Poinsettias [Euphorbia pulcherrima]; care and handling. Mich. State Univ. Ext. Ext. Bull. 511, 6 p.-folder. Dec.1965. 275.29 M58B

ERDMANN, M. H., and others. Field bean production in Michigan. Mich. State Univ. Ext. Ext. Bull. 513,10 p. Dec.1965. 275.29 M58B
L. S. Robertson, R. L. Janes, R. G. White, M. W. Adams, and A. L. Anderson, joint authors.

BEHR, E. Refinishing furniture. Mich. State Univ. Ext. Ext. Bull. 514,29 p. Nov.1965. 275.29 M58B

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Summary of laws relating to local parks and recreation, State of Michigan, 1965. Mich. State Univ. Ext. Ext. Bull. 515,27 p. Dec.1965. 275.29 M58B

LUCAS, R. E., RIEKE, P. E., and FARNHAM, R. S. Peats for soil improvement and soil mixes. Mich. State Univ. Ext. Ext. Bull. 516, 11 p. Ref. Dec.1965. 275.29 M58B

HULL, J. Strawberries in home gardens. Mich. State Univ. Ext. Ext. Bull. 521,6 p.-folder. Feb.1966. 275.29 M58B

JANES, R. L., and GUYER, G. Controlling biting insects. Mich. State Univ. Ext. Ext. Bull. 522,8 p. Feb.1966. 275.29 M58B

HILL, R. G. Wind erosion control on upland soils. Mich. State Univ. Ext. Ext. Bull. 525, 6 p.-folder. Jan.1966. 275.29 M58B

TESAR, M. B., and HILDEBRAND, S. C. Re-establishment of pastures and hay fields in one year. Mich. State Univ. Ext. Ext. Bull. 527,4 p. Feb.1966. 275.29 M58B

NICKLOW, C. W., DOWNES, J., and MARKARIAN, D. Commercial muskmelon production in Michigan. Mich. State Univ. Ext. Ext. Bull. E-418,6 p.-folder. Dec.1965. 275.29 M58B

MEGGITT, W. F., and ERDMANN, M. H. Weed control in field crops. Mich. State Univ. Ext. Ext. Bull. E-434,rev.,8 p. Feb.1966. 275.29 M58B

HARRISON, C. M., and DAVIS, J. F. Reed canary grass for wet lowland areas of Michigan. Mich. State Univ. Ext. Ext. Bull. E-517,4 p. Jan.1966. 275.29 M58B

LARSEN, R. P. Pear culture in Michigan. Mich. State Univ. Ext. Ext. Bull. E-519,9 p. Feb.1966. 275.29 M58B

DEAN, A. Food shopper's guide. Mich. State Univ. Ext. Ext. Folder F-306,rev.,31 p. Jan. 1965. 275.29 M58Ex

MINNESOTA University, Agricultural Extension Service, St. Paul

LAMISON, M. F., and others. Your home business center. Minn. Univ. Ext. Ext. Bull. 307, 24 p. Oct.1965. 275.29 M66S

M. L. Muller, K. H. Thomas, V. M. Ellithorpe, and J. R. Urlich, joint authors.

MINNESOTA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. For parents of young children: do you expect too much? Minn. Univ. Ext. Ext. Bull. 321-3,2 p. Nov.1965. 275.29 M66S

MINNESOTA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Agricultural and food chemicals today. Minn. Univ. Ext. Ext. Bull. 327,11 p. Oct.1965. 275.29 M66S

DUNN, M. Family meal service. Minn. Univ. Ext. Ext. Bull. 328,7 p. Nov.1965. 275.29 M66S

BEHRENS, R., and others. Cultural and chemical weed control in field crops, 1966. Minn. Univ. Ext. Ext. Folder 212,rev.,16 p. Dec. 1965. 275.29 M66Ex

G. R. Miller, J. R. Justin, H. J. Otto, R. G. Robinson, and R. N. Andersen, joint authors. SNETSINGER, D. C., WAIBEL, P. E., and JOHNSON, E. L. Chicken rations. Minn. Univ. Ext. Spec. Rep. 20,12 p. Jan.1966. 275.29 M66Sb

MONTANA State College, Cooperative Extension Service,
Bozeman

SHAW, A. F. Hypana barley. Mont. State Coll. Ext. Folder 84,5 p.-folder, map. Oct.1965. 275.29 M76FoL

NEBRASKA University, College of Agriculture and Home Economics, Extension Service, Lincoln

NEBRASKA UNIVERSITY. COLLEGE OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Make dairying pay the record way. Nebr. Univ. Ext. EC65-646,6 p.-folder. 1965. 275.29 N272Ex

NEW JERSEY - Rutgers State University, College of Agriculture, Extension Service, New Brunswick

BURKART, A. C. Figure saving ideas. Rutgers State Univ. Ext. Ext. Bull. 384,8 p. Aug. 1965. 275.29 N46

RACE, S. R., and DAVIS, S. H. Asparagus pest control. Rutgers State Univ. Ext. Leaflet. 333-A, 3 p. Feb.1966. 275.29 N46L

ANDERSON, J. C., and ADAMS, M. V. Soybean production in New Jersey. Rutgers State Univ. Ext. Leaflet. 338-A,4 p. Mar.1966. 275.29 N46L

NEW MEXICO State University, Agricultural Extension Service, University Park

NEW MEXICO. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Know your wool prices. N. Mex. State Univ. Ext. Circ. 383,6 p.-folder. Oct.1965. 275.29 N463E

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

EADIE, W. R., and HAMILTON, W. J. Control of small animals in homes and gardens. Cornell Univ. Ext. Cornell Ext. Bull. 729,rev.,16 p. Oct.1965. 275.29 N48E

EIPPER, A. W., and REGIER, H. A. Fish management in New York farm ponds. Cornell Univ. Ext. Cornell Ext. Bull. 1089,rev.,40 p. Nov.1965. 275.29 N48E

MORROW, R. R., and HAMILTON, L. S. Killing undesirable vegetation with chemicals. Cornell Univ. Ext. Cornell Ext. Bull. 1147, rev.,12 p. Sept.1965. 275.29 N48E

SMITH, S. E., and LOOSLI, J. K. The mineral and vitamin requirements of livestock. Cornell Univ. Ext. Cornell Ext. Bull. 1149,15 p. Sept.1965. 275.29 N48E

FOSS, E. W. Lightning protection. Cornell Univ. Ext. Cornell Ext. Bull. 1150,16 p. Sept. 1965. 275.29 N48E

FOSS, E. W. Water supplies for rural fire protection. Cornell Univ. Ext. Cornell Ext. Bull. 1151,16 p. Oct.1965. 275.29 N48E

HAYNES, N. B. Horse health hints. Cornell Univ. Ext. Cornell Ext. Bull. 1153,20 p. Nov. 1965. 275.29 N48E

SLACK, S. T., STONE, J. B., and MERRILL, W. G. Feeding the dairy cow for maximum returns. Cornell Univ. Ext. Cornell Ext. Bull. 1156,35 p. Oct.1965. 275.29 N48E

HUNDTOLT, E. B. The self-propelled windrower. Cornell Univ. Ext. Cornell Misc. Bull. 67,16 p. Oct.1965. 275.29 N48Cm

NORTH CAROLINA University, Extension Service, State College Station, Raleigh

BRUCE, W. G. The stable fly [Stomoxys calcitrans] in North Carolina. N. C. Univ. Ext. Folder 234,4 p. Oct.1965. 275.29 N811Ex

BENNETT, R. R., and HAWKS, S. N. Lick the fertilizer injury problem. N. C. Univ. Ext. Folder 242,6 p.-folder. Sept.1965. 275.29 N811Ex

MILLER, R. T. Tailoring series: making round buttonholes. N. C. Univ. Ext. Home Econ. Ser. 10,4 p. Nov.1965. 275.29 N811Hom

JORDAN, F. Values and goals. N. C. Univ. Ext. Home Econ. Ser. 24,4 p. Oct.1965. 275.29 N811Hom

OHIO State University, Cooperative Extension Service, Columbus

STOCKDALE, T. Controlling bird pests in your crops and feedlots. Ohio. State Univ. Ext. Leaflet. L-121,4 p. Aug.1965. 275.29 Oh32EL

AKERS, E., and HAYNES, O. Man-made fibers. Ohio. State Univ. Ext. Leaflet. L-125,4 p. Sept. 1965. 275.29 Oh32EL

BLOSSER, R. H., and BOWEN, C. C. What to pay for feeder pigs. Ohio. State Univ. Ext. Leaflet. L-128,6 p.-folder. Nov.1965. 275.29 Oh32EL

OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

PETERMANN, R. Get top value from the meat you buy. Okla. State Univ. Ext. Circ. E-744, rev.,8 p. Nov.1965. 275.29 Ok41C

PETERMANN, R. What you should know about food additives. Okla. State Univ. Ext. Circ. E-769,12 p. Jan.1966. 275.29 Ok41C

CUNNINGHAM, T. S., PETERMANN, R., and HIGGANBOTHAM, L. 4-H health workbook, Unit 2. Okla. State Univ. Ext. Circ. E-770, 20 p. Feb.1966. 275.29 Ok41C

CUNNINGHAM, T. S., PETERMANN, R., and HIGGINBOTHAM, L. 4-H Club health workbook, Unit III. Okla. State Univ. Ext. Circ. E-771, 23 p. Mar.1966. 275.29 Ok41C

CLARK, L., and BURGESS, C. Choosing and using your cleaning appliances. Okla. State Univ. Ext. Circ. E-773,24 p. Feb.1966. 275.29 Ok41C

CLARK, L., and BURGESS, C. Choosing and using your household range. Okla. State Univ. Ext. Circ. E-774,23 p. Feb.1966. 275.29 Ok41C

PETERMANN, R. Look to the food label. Okla. State Univ. Ext. Leaflet. L-136,8 p.-folder. Nov 1965. 275.29 Ok41Le

CLARK, L., BEARD, R. M., and POND, J. When you buy your food waste disposer. Okla. State Univ. Ext. Leaflet. L-137,5 p.-folder. Feb. 1966. 275.29 Ok41Le

OREGON State University, Federal Cooperative Extension Service, Corvallis

WARREN, R. Canada thistle (Cirsium arvense). Oreg. State Univ. Ext. Ext. Bull. 519, rev.,4 p. Nov.1965. 275.29 Or32B

WICK, W. Q., and LANDFORCE, A. S. Mole and gopher control. Oreg. State Univ. Ext. Ext. Bull. 804,rev.,15 p.,map. Aug.1965. 275.29 Or32B

OREGON. STATE UNIVERSITY. FEDERAL COOPERATIVE EXTENSION SERV. Fresh market and home garden vegetable varieties. Oreg. State Univ. Ext. Ext. Circ. 671,rev.,5 p.-folder. Feb.1966. 275.29 Or32C

MACSWAN, I. C., and HORNER, C. E. Suggestions for peppermint wilt control. Oreg. State Univ. Ext. FS 93,2 p. June 1965. 275.29 Or36

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

HINDMAN, M. S. Good meals for less money. Clemson Univ. Ext. Circ. 222,16 p. Aug.1965. 275.29 So8E

CLEMSON UNIVERSITY. EXTENSION SERV. 1966 recommended varieties for South Carolina; field, vegetable, fruit, and nut crops lawn grasses. Clemson Univ. Ext. Circ. 477, rev., 8 p., map. Sept. 1965. 275.29 So8E

ANDERSON, L. P., and ROGERS, H. V. Plan for quality cotton in 1965. Clemson Univ. Ext. Cotton Leaflet. 1, 6 p.-folder. Mar. 1965. 275.29 So86C

NETTLES, W. C., SMITH, F., and SPARKS, L. M. Cotton diseases, recommended controls for 1965. Clemson Univ. Ext. Cotton Leaflet. 2, 6 p.-folder. Feb. 1965. 275.29 So86C

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

DERSCHEID, L. A., and others. Corn production guide; a summary of recommendations. S. Dak. State Univ. Ext. FS 291, 6 p.-folder, map. Jan. 1966. 275.29 So85Fs

R. A. Cline, E. E. Sanderson, E. J. Langin, E. P. Adams, K. R. Frost, B. H. Kantack, W. L. Berndt, and L. S. Wood, joint authors.

DERSCHEID, L. A., and others. Small grain production guide; a summary of recommendations. S. Dak. State Univ. Ext. FS 294, chart, map. Jan. 1966. 275.29 So85Fs

R. A. Cline, E. E. Sanderson, E. J. Langin, E. P. Adams, K. R. Frost, B. H. Kantack, W. L. Berndt, and L. S. Wood, joint authors.

TEXAS Agricultural and Mechanical College, Extension Service, College Station

COX, M., and others. Beef—selection, care, cooking. Tex. Agr. Coll. Ext. B-1022, 15 p. Feb. 1965. 100 T31S

M. Tribble, L. Mason, and F. Reasonover, joint authors.

UTAH State University, Agricultural Extension Service, Logan

KNOWLTON, G. F. Let's protect stored food from insects. Utah. State Univ. Ext. Entomol. Mimeo Ser. 69, 1 p. Dec. 1965. 275.29 Ut1En

KNOWLTON, G. F., and others. Official fruit pest control, Utah, 1966. Utah. State Univ. Ext. Ext. Circ. 299, rev., 64 p. Feb. 1966. 275.29 Ut1

A. B. Call, D. W. Davis, G. W. Cochran, and R. S. Roberts, joint authors.

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Peppers. Va. Polytech. Inst. Ext. Circ. 720, rev., 3 p. Feb. 1966. 275.29 V81C

PHILLIPS, E. L., and OBERLE, G. D. Peach varieties for Virginia. Va. Polytech. Inst. Ext. Circ. 763, rev., 4 p. Dec. 1965. 275.29 V81C

WASHINGTON State University, Extension Service, Pullman

ROBERTS, H. L. Outline for 4-H clothing projects. Wash. State Univ. Ext. E. M. 481, rev., 7 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Plan ahead for food supply. Wash. State Univ. Ext. E. M. 1002, rev., 5 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. 4-H child care project, leaders' guide. Wash. State Univ. Ext. E. M. 1129, rev., 2 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. State and national 4-H events, 1966. Wash. State Univ. Ext. E. M. 1142, rev., 2 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. State and national 4-H award programs. Wash. State Univ. Ext. E. M. 1486, rev., 5 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Contests and award programs, II. Wash. State Univ. Ext. E. M. 1486, rev., 7 p. Feb. 1966. 275.29 W27Mi

ROBERTS, H. L. The basic suit and its accessories. Wash. State Univ. Ext. E. M. 1721, rev., 1 p. Mar. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State 4-H Club record; junior leadership record. Wash. State Univ. Ext. E. M. 1953, 4 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State Homemakers' Council standard of achievement for homemakers' clubs, for the 1965 or 1965-66 club year. Wash. State Univ. Ext. E. M. 1973, rev., 3 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington 4-H projects; extension agents' guide to project selection and printed materials. Wash. State Univ. Ext. E. M. 1976A, rev., 12 p. Sept. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State 4-H Club record; recreation record. Wash. State Univ. Ext. E. M. 2038, 2 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State 4-H Club record; entomology record. Wash. State Univ. Ext. E. M. 2140, 2 p. Oct. 1965. 275.29 W27Mi

JOHANSEN, C. Pollination and bee poisoning. Wash. State Univ. Ext. E. M. 2196, rev., 3 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. By-laws of Washington State 4-H Fair Board, Inc. Wash. State Univ. Ext. E. M. 2203, rev., 5 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: turkeys—U.S. Wash. State Univ. Ext. E. M. 2314, rev., 2 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: Washington turkeys. Wash. State Univ. Ext. E. M. 2315, rev., 2 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: strawberries. Wash. State Univ. Ext. E. M. 2367, rev., 2 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: feed grains. Wash. State Univ. Ext. E. M. 2368, rev., 2 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: mint oil. Wash. State Univ. Ext. E. M. 2369, rev., 2 p. Feb. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: Merion bluegrass seed, Kentucky bluegrass seed. Wash. State Univ. Ext. E. M. 2371, rev., 2 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: apples. Wash. State Univ. Ext. E. M. 2376, rev., 2 p. Feb. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. International Farm Youth Exchange; this is Turkey. Wash. State Univ. Ext. E. M. 2440, rev., 4 p., map. Jan. 1966. 275.29 W27Mi

POE, A. D. About houses; a reading list of books about house design and construction. Wash. State Univ. Ext. E. M. 2483, rev., 3 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: asparagus. Wash. State Univ. Ext. E. M. 2508, rev., 2 p. Jan. 1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Farm and home safety & health. Wash. State Univ. Ext. E. M. 2513, 19 p. Apr. 1965. 275.29 W27Mi

WALDERN, D. E., and RUSSELL, T. S. How to determine the monetary value of Columbia Basin alfalfa hay, based on crude fiber and crude protein content. Wash. State Univ. Ext. E. M. 2568, 32 p. Aug. 1965. 275.29 W27Mi

ROBERTS, H. L. Clothing construction workshops. Wash. State Univ. Ext. E. M. 2578, 7 p. Oct. 1965. 275.29 W27Mi

MYKLEBUST, R. J., and DAVIS, E. H. Guidelines for sanitary handling of animal manure. Wash. State Univ. Ext. E. M. 2582, 4 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Flower arranging; a 4-H plan and plant for beauty project—indoor gardening series. Wash. State Univ. Ext. E. M. 2583, 12 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Personal color aid workshop. Wash. State Univ. Ext. E. M. 2585A, 2 p. Nov. 1965. 275.29 W27Mi

RYDRYCH, D. J., MUZIK, T. J., and ROCHE, B. Chemical fallow in dryland wheat fields. Wash. State Univ. Ext. E. M. 2586, 5 p. Oct. 1965. 275.29 W27Mi

WIRAK, O. S. Futures trading in live beef cattle. Wash. State Univ. Ext. E. M. 2587, 16 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Home owner's think sheet. Wash. State Univ. Ext. E. M. 2588, 2 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Landscaping the public area; a 4-H plan and plant for beauty project—landscaping series. Wash. State Univ. Ext. E. M. 2589, 15 p. Oct. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Consumers ask about permanent press. Wash. State Univ. Ext. E. M. 2590, 5 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. International Farm Youth Exchange; this is Venezuela. Wash. State Univ. Ext. E. M. 2591, 2 p., map. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Average daily excrement of farm animals (Oregon), gallons per animal—cubic feet per ton and number of animals to produce one ton. Wash. State Univ. Ext. E. M. 2592, 1 p. Nov. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Consumers ask about buying rugs and carpets. I. Wash. State Univ. Ext. E. M. 2593, 4 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Consumers ask about rug and carpet fibers. II. Wash. State Univ. Ext. E. M. 2594, 6 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Consumers ask about rug and carpet care. III. Wash. State Univ. Ext. E. M. 2595, 4 p. Dec. 1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Soil testing is good business. Wash. State Univ. Ext. Circ. 348, 4 p. Sept. 1965. 275.29 W27C

CAGLE, A. J. Farm-city progress. Wash. State Univ. Ext. Circ. 350, 6 p., folder. Nov. 1965. 275.29 W27C

PACKARD, J. Should you buy it on time? Wash. State Univ. Ext. Circ. 351, 8 p. Mar. 1966. 275.29 W27C

WISCONSIN University, College of Agriculture, Extension Service, Madison

WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Oat varieties for 1966. Wis. Univ. Ext. Circ. 639, 4 p. Jan. 1966. 275.29 W75C

WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Basic yeast breads. Wis. Univ. Ext. Circ. 641, 21 p. Aug. 1965. 275.29 W75C

BRICKBAUER, E. A., and TORRIE, J. H. Soybean varieties for 1966. Wis. Univ. Ext. Circ. 651, 4 p. Feb. 1966. 275.29 W75C

YOUNG, L. You and your life insurance. Wis. Univ. Ext. Spec. Circ. 108, 8 p. Dec. 1965. 275.29 W75S

GOJMERAC, W. L. Controlling strawberry root weevil and sweet clover root weevil. Wis. Univ. Ext. Spec. Circ. 109, 4 p. Sept. 1965. 275.29 W75S

GOJMERAC, W. L. Controlling box-elder bugs. Wis. Univ. Ext. Spec. Circ. 110, 4 p. Sept. 1965. 275.29 W75S

SKINNER, J. L., and HALLER, R. W. Control cannibalism in poultry. Wis. Univ. Ext. Spec. Circ. 112, 2 p. Jan. 1966. 275.29 W75S

WYOMING University, College of Agriculture, Extension Service, Laramie

CROFT, J. Learn to knit; Unit I, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-75, 31 p. June 1965. 275.29 W99Fc

WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Knitting record book. Wyo. Univ. Ext. [4-H Club. Circ.] CL-75a, 7 p. June 1965. 275.29 W99Fc

CROFT, J. Knitting with pattern stitches; Unit II, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-80, 26 p. 1965. 275.29 W99Fc

CROFT, J. Color in knitting; Unit III, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] CL-85, 15 p. May 1965. 275.29 W99Fc

STEWART, M. S. Japanese foods and food customs. Wyo. Univ. Ext. [4-H Club. Circ.] F-43, 5 p. June 1965. 275.29 W99Fc

WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H films. Wyo. Univ. Ext. [4-H Club. Circ.] G-13, 9 p. June 1965. 275.29 W99Fc

WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 4-H contests, awards, & recognitions; State and national 100 awards, 1965, Wyoming. Wyo. Univ. Ext. [4-H Club. Circ.] G-19, 34 p. Apr. 1965. 275.29 W99Fc

NICHOLLS, J. M. Assembling 4-H achievement records. Wyo. Univ. Ext. [4-H Club. Circ.] G-32, 17 p. Jan. 1965. 275.29 W99Fc

WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Reference list for requesting 4-H Club kits. Wyo. Univ. Ext. [4-H Club. Circ.] G-46, 15 p. 1966. 275.29 W99Fc

WYOMING, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Suggested subjects for short 4-H demonstrations. Wyo. Univ. Ext. [4-H Club. Circ.] G-53, 8 p. 1965. 275.29 W99Fc

CROFT, J. Home improvement: a special-interest center. Wyo. Univ. Ext. [4-H Club. Circ.] HI-5, 42 p. June 1965. 275.29 W99Fc

CROFT, J. Home improvement: background area. Wyo. Univ. Ext. [4-H Club. Circ.] HI-10, 33 p. Feb.1965. 275.29 W99Fc

CROFT, J. Home improvement: your grooming center. Wyo. Univ. Ext. [4-H Club. Circ.] HI-20,19 p. June 1965. 275.29 W99Fc

CROFT, J. Home improvement: room magic. Wyo. Univ. Ext. [4-H Club. Circ.] HI-50,20 p. Mar.1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. 4-H rabbit project record book. Wyo. Univ. Ext. [4-H Club. Circ.] Ra-5a,16 p. Oct.1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Big game animals and furbearers; Unit B, wildlife conservation. Wyo. Univ. Ext. [4-H Club. Circ.] WL-10,67 p. Ref. June 1965. 275.29 W99Fc
Wyoming Game and Fish Department, cooperating.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

ANDERSON, A. B. Report to the Government of the Philippines on wood chemistry research and development at the Forest Products Research Institute. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1963,18 p. 1965. 281.9 F733E

BERNSTEIN, L. Report to the Government of Israel on soil salinity research and the water problem. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1890, 13 p. 1964. 281.9 F733E

BONNEMAISON, P. Report to the Government of Brazil on grassland and fodder development in northeast Brazil. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2000,47 p.,map. Ref.,p.33-38. 1965. 281.9 F733E

CALDERON, M. Rapport au Gouvernement du Dahomey sur la protection des grains en entrepot [Report to the Government of Dahomey on protection of grains in storage]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2059,14 p. 1965. 281.9 F733E

COCOA statistics 9(1),36 p. Jan.1966. 286.83 C64

COCOA statistics monthly supplement 1,4 p. Jan.1965. 286.83 C64

COCOA statistics monthly supplement 2,4 p. Feb.1965. 286.83 C64

COCOA statistics monthly supplement 3,4 p. Mar.1965. 286.83 C64

COCOA statistics monthly supplement 11,4 p. Nov.1963. 286.83 C64

COCOA statistics monthly supplement 12,4 p. Dec.1963. 286.83 C64

COCOA statistics monthly supplement 12,4 p. Dec.1965. 286.83 C64

CURRENT food additives 88,9 p. Oct.31,1965. 241.64 F732

CURRENT food additives '89,11 p. Nov.30,1965. 241.64 F732

CURRENT food additives legislation 84:1-11. May 31,1965. 241.64 F732

FAO LIBRARY List of recent accessions, November 1965,56 p. 241 F7322

FEEN, M. G. Rapport au Gouvernement du Togo: la commercialisation des produits d'exportation [Report to the Government of Togo: marketing of export products]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1981,23 p. 1965. 281.9 F733E

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The Director-General's program of work and budget for 1966/67. Annex X—trust funds. Food Agr. Organ. UN. Conf. C 65/3(sup.2),3 p. Apr.20, 1965. 389.9 F735Conc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Draft Report of the first session of the steering committee of the FAO group on citrus fruit. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/12,10 p. May 26,1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO membership on FAO/UNICEF joint policy committee. Food Agr. Organ. UN. Counc. CL 44/9,3 p. May 18, 1965. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO rice report 1965. Rome, 1965. 37 p. Ref. 281.3599 F73F

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Interim report: the economic impact of dairy development in developing countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/3,51 p. Apr.20,1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Program activities: commodities division. Food Agr. Organ. UN. Counc. CL 44/7,18 p. May 18,1965. 389.9 F7355

Forty-fourth session, Rome, June 21, 1965.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Program activities: economic analysis division. Food Agr. Organ. UN. Counc. CL 44/6,17 p. May 19, 1965. 389.9 F7355

Forty-fourth session, Rome, June 21, 1965.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Program activities: statistics division. Food Agr. Organ. UN. Counc. CL 44/5,19 p. May 14,1965. 389.9 F7355

Forty-fourth session, Rome, June 21, 1965.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Protein: at the heart of the world food problem. Food Agr. Organ. UN. World Food Probl. 5,62 p. 1964. 389.9 F735Wo

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Recommendations by the intergovernmental committee to the Economic and Social Council of the United Nations and the Council of FAO on the future of the World Food Program. Food Agr. Organ. UN. Counc. CL 44/18,12 p. May 5,1965. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the Ad Hoc meeting on bananas (economic aspects). Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/4,15 p. Dec.1,1964. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the fifth session of the FAO/UNICEF joint policy committee. Food Agr. Organ. UN. Counc. CL 44/12,45 p. May 6,1965. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirty-eighth session of the committee on commodity problems to the forty-fourth session of the Council of FAO. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/19 CL44/8, 33 p. June 1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the thirty-ninth session of the Committee on Commodity Problems to the forty-fifth session of the Council of FAO. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/28 CL 45/6, 14 p. Nov.1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report on the development Centre on Agricultural Credit for Africa. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1595,62 p. 1963. 281.9 F733E

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Statements by representative of Secretary-General of United Nations, Director-General of FAO and Executive Director of the World Food Program. Food Agr. Organ. UN. Counc. CL 44/18,(sup.1), 18 p. May 7,1965. 389.9 F7355

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The world meat economy. Food Agr. Organ. UN. Comm. Bull. Ser. 40,151 p. 1965. 389.9 F735Cs

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The world rice economy in figure, 1909-1963. Food Agr. Organ. UN. Comm. Reference Ser. 3,134 p. 1965. 251 F73Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. AUSTRIAN NATIONAL COMMITTEE. Annual report, 1961-1963. Vienna, 1965. 40 p. 389.9 F7353Aus

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. Developments in agricultural price stabilization and support policies 1959-1964. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/5,97 p. Mar.22,1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. A five year review of national dairy policies, 1959-1963. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/1,23 p. Mar.29,1964. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. General features of the cheese economy of developed countries. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/9/2,14 p. Mar.16,1965. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 15,17 p. Oct./Nov.1965. 280.9 F7323

HANSEN, B. L. Report to the Government of Indonesia on animal production. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1992,11 p. 1965. 281.9 F733E

HENDERSON, E. Food aid: a selective annotated bibliography on food utilization for economic development. Rome, United Nations, 1964. 203 p. Z7164.F7H4

Food and Agriculture Organization of the United Nations, cooperating.

KLEMME, M. Report to the Government of Saudi Arabia on pasture development and range management, with respect to increasing live-stock production. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1933,27 p.,map. 1965. 281.9 F733E

PRYOR, L. D. Report to the Government of Libya on aspects of afforestation with particular reference to Eucalyptus. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1863,8 p. 1964. 281.9 F733E

RINEY, T. Rapport au Gouvernement de la Tunisie sur les possibilites d'utilisation de la faune sauvage dans les zones forestieres [Report to the Government of Tunisia on possibilities of using wild fauna in forest zones]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1983,2i p. 1965. 281.9 F733E

SEN, S. R. Implications of the UNCTAD and Argentine proposals for the modification of the World Food Program. Food Agr. Organ. UN. Comm. Commod. Probl. CCP 65/24,48 p. Sept.22,1965. 389.9 F7354Co

SPALL, W. H. Report to the Government of the United Republic of Tanganyika and Zanzibar on establishing a land bank in Zanzibar. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1892,5 p. 1964. 281.9 F733E

SPEER, W., VIVKANANTHAN, T., and IBARRA, R. Report to the Government of Indonesia on rehabilitation program, area devastated by volcanic eruptions, Bali. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1964,20 p. 1965. 281.9 F733E

STERN, W. L. Report to the Government of the Philippines on wood technology research at the Forest Products Research Institute. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1988,30 p. 1965. 281.9 F733E

THULIN, I. J. Informe al Gobierno de Mexico sobre un centro de Coniferas Mexicanas; mejoramiento de los arboles forestales y suministro de semillas [Report to the Government of Mexico on a Mexican Coniferae center; improvement of forest trees and provision of seeds]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1888,19 p. 1964. 281.9 F733E

UNDERHILL, H. W. Report to the Government of Jordan on the establishment of the National Hydrological Service. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1998,31 p.,map. Ref. 1965. 281.9 F733E

VELDMAN, M. M. Les possibilites d'elevage bovin sur le littoral algerien [Possibilities of cattle raising on the Algerian coast]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2046,21 p. 1965. 281.9 F733E

VLUGTER, H., WESTERHOF, J. J., and ROELOFSZ, F. Report to the Government of India on Gujarat; reclamation of the Little Rann of Kutch. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1990, 35 p.,map. 1965. 281.9 F733E



UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

WASHINGTON 25, D.C.

OFFICIAL BUSINESS

POSTAGE AND FEES
U. S. DEPARTMENT OF AGR

BIBLIOGRAPHY OF AGRICULTURE

LIBRARY
RECEIVED

SEP 14 1966

U. S. DEPARTMENT OF AGRICULTURE
EASTERN REGIONAL RESEARCH
LABORATORY A. T. 1



NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

BIBLIOGRAPHY OF AGRICULTURE

Vol. 30

July 1966

No. 7

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPTALS at bottom of this column, or have summaries, abstracts, or translated titles in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

For more detailed coverage of the literature on pests and their control, please consult the Pesticides Documentation Bulletin, a biweekly publication of the National Agricultural Library.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
Soils and Fertilizers
Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the United Nations (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

For monographs the title is shown in the original language, followed by the English version. Titles of foreign language articles in serial publications are given in English only; the language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af)	Afrikaans	(Ic)	Icelandic
(Al)	Albanian	(In)	Indonesian
(Ara)	Arabic	(It)	ITALIAN
(Arm)	Armenian	(Ja)	JAPANESE
(Az)	Azerbaijani	(Ka)	Kazakh
(Be)	Belorussian	(Ko)	KOREAN
(Bu)	Bulgarian	(La)	Latvian
(Bur)	Burmese	(Li)	Lithuanian
(Ch)	CHINESE	(No)	NORWEGIAN
(Cz)	CZECH	(Pe)	Persian
(Da)	DANISH	(Pol)	POLISH
(Du)	DUTCH	(Por)	PORTUGUESE
(Es)	Estonian	(Rum)	Rumanian
(Fi)	Finnish	(Rus)	RUSSIAN
(Fl)	Flemish	(Se)	SERBO-CROATIAN
(Fr)	FRENCH	(Si)	Siamese
(Ge)	GERMAN	(Sl)	Slovenian
(Geo)	Georgian	(Sp)	SPANISH
(Gre)	GREEK	(Sw)	SWEDISH
(He)	Hebrew	(Ta)	Tadzhik
(Hi)	Hindi	(Tu)	TURKISH
(Hu)	HUNGARIAN	(Uk)	UKRAINIAN

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Technical Reports. Citations listed with the annotation "CFSTY" followed by price are also available for purchase from the Clearinghouse for Federal Scientific and Technical Information, U. S. Department of Commerce, Springfield, Virginia, 22151.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402
\$14.00 per year, domestic; \$17.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)

CONTENTS

PLANT SCIENCE	51795-54626
General	51795
Systematic and Geographic	
Botany	51846
General	51846
Spermatophytes	51879
Pteridophytes	52060
Bryophytes	52064
Algae	52095
Fungi (Including Lichens)	52151
Pathology	52250
General	52250
Diseases Caused by Fungi	52337
Diseases Caused by Bacteria	52514
Viruses and Virus Diseases	52534
Diseases Caused by Nematodes	52601
Ecology	52631
Morphology, Anatomy, and	
Cytology	52728
Genetics	52937
Physiology	53076
Biochemistry	53631
Field Crops	53875
General	53875
Cereals	53896
Fiber Crops	53991
Forage Crops and Grasses	54012
Oil Crops	54080
Sugar Crops	54100
Tobacco	54125
Horticultural Crops	54129
General	54129
Fruits—General	54142
Fruits—Citrus and Subtropical	54157
Fruits—Deciduous	54170
Fruits—Small	54214
Nuts	54243
Shade Trees and Ornamental	
Plants	54250
Vegetable and Truck Crops	
(Including Potatoes)	54338
Weeds and Poisonous Plants	54471
Miscellaneous Economic Plants	
(Drug, Dye, Rubber, etc.)	54589
SOILS AND FERTILIZERS	54627-55308
Soil Science	54627
Soil Physics	54632
Soil Chemistry and Mineralogy	54698
Soil Biology	54789
Soil-Plant-Animal Relationships	
Soil Genesis, Formation, Classi-	
fication, and Mapping	54832
Soil Management	54878
Soil Fertility	54894
Soil Tilth and Tillage	55056
Drainage, Irrigation, Water	
Supply, and Flood Control	55087
Erosion and Erosion Control	55247
Sanitation	55271
Materials for Soil Improvement	55275
Chemical Fertilizers	55275
Mineral Soil Amendments	
Fertilizer Technology and	
Statistics	55278
Manures and Composts	55306
FORESTRY	55309-55991
General	55309
Education	55345
Policies, Programs, Administra-	
tion	55352
Legislation and Taxation	55365
Forest Description and	
Resources	55371

Forest Management and Finance	55377
Farm Woodlands	55403
Mensuration, Surveying, Photo-	
grammetry	55404
Silviculture	55440
Silvicultural Practices	55504
Regeneration and Breeding	55536
Forest Protection and Damage	55678
Fire	55685
Forest Influences	55705
Miscellaneous Forest Uses	55719
Forest Industries and Trade	55737
Lumbering and Logging	55748
Sawmills	55789
Processing and Woodworking	55804
Seasoning, Conditioning, and	
Finishing	55809
Wood Preservation and Damage	55818
Forest Products	55832
Lumber and Rough Products	55844
Construction	55863
Veneers, Plywood, and Adhesives	55870
Furniture	55884
Containers	55885
Pulp and Paper	55888
Chemical Products and	
Distillates	55923
Naval Stores	55932
Other Forest Products	55935
Wood Technology	55950
Properties and Structure	55958
ANIMAL INDUSTRY	55992-58147
Breeds and Breeding	55992
Feeds and Feeding	56015
Veterinary Medicine	56100
Miscellaneous	56356
Cattle	56391
Breeds and Breeding	56503
Feeds and Feeding	56610
Veterinary Medicine	56917
Miscellaneous	56982
Dogs and Cats	56982
Breeds and Breeding	56984
Feeds and Feeding	56986
Veterinary Medicine	57129
Miscellaneous	57135
Fur Animals - Pen Raised	57135
Breeds and Breeding	57141
Feeds and Feeding	57143
Veterinary Medicine	57158
Miscellaneous	57160
Horses and Mules	57160
Breeds and Breeding	57179
Feeds and Feeding	57183
Veterinary Medicine	57238
Miscellaneous	57253
Laboratory Animals, Small	57253
Breeds and Breeding	57259
Feeds and Feeding	57266
Veterinary Medicine	57310
Miscellaneous	57310
Poultry	57335
Breeds and Breeding	57337
Feeds and Feeding	57597
Veterinary Medicine	57640
Miscellaneous	57640
Rabbits	57648
Breeds and Breeding	57652
Feeds and Feeding	57682
Veterinary Medicine	57684
Miscellaneous	57684
Sheep and Goats	57715
Breeds and Breeding	57747
Feeds and Feeding	57865
Veterinary Medicine	
Miscellaneous	

Swine	57886
Breeds and Breeding	57886
Feeds and Feeding	57901
Veterinary Medicine	57951
Miscellaneous	58127
ENTOMOLOGY	58148-59664
General	58148
Economic	58162
General	58162
Medical and Veterinary Pests	58315
Pests of Field and Truck Crops	58437
Pests of Fruit and Nut Crops	58583
Pests of Ornamentals, Green-	
houses, and Nurseries	58653
Pests of Stored Products and	
Processed Commodities	58668
Pests of Trees and Wood	58708
Products	58708
Apiculture and Apis Mellifera	58786
Sericulture and the Silkworm	58911
Taxonomic, Geographic, and	
Biological	58931
General	58931
Arachnida, Myriapoda, etc.	58972
Coleoptera	59047
Diptera	59185
Culicidae	59289
Drosophila	59318
Hemiptera (Heteroptera and	
Homoptera)	59361
Hymenoptera	59441
Lepidoptera	59488
Orthoptera	59563
Smaller Orders	59617
AGRICULTURAL ENGINEERING	59665-60305
General and Miscellaneous	59665
Farm Machines and Equipment	59682
Animal Husbandry Equipment	59823
Cultivation and Tillage Equipment	59850
Fertilizing and Planting Equip-	
ment	59881
Harvesting Equipment	59905
Land Clearing Equipment	59958
Processing Equipment Used on	
the Farm	59959
Repair, Maintenance, and Con-	
struction Equipment	59999
Spraying and Dusting Equipment	60018
Vehicles	60048
Farm Structures and Rural	
Housing	60141
Animal Shelters and Animal	
Service Buildings	60165
Farmhouses and Farmsteads	60221
Greenhouses and Plant Service	60229
Buildings	60236
Materials and Methods	60246
Storage Structures	60255
Walls and Fences	60259
Farm Utilities	60259
Electricity and Electrification	60259
Heating, Lighting, and Radiation	60272
Power Plants, Motors, and	
Engines on the Farm	60275
Sewage and Waste Disposal	60292
Telephones	60293
Water Supply	

	Item
AGRICULTURAL PRODUCTS:	
PROCESSING, DISTRIBUTION,	
AND STATISTICS	60306-62226
General	60306
Analysis and Composition	60334
Consumption and Utilization	60387
Distribution, Marketing, and	
Transportation	60403
Grading, Inspection, Standardiza-	
tion, and Quality	60454
Packing and Packaging	60503
Prices, Price Control, and	
Rationing	60521
Processing and Storage	60531
Statistics	60610
Beverages and Condiments	60638
Dairy Products	60738
Analysis and Composition	60792
Consumption and Utilization	60855
Distribution, Marketing, and	
Transportation	60863
Grading, Inspection, Standardiza-	
tion, and Quality	60895
Packing and Packaging	60934
Prices, Price Control, and	
Rationing	60949
Processing and Storage	60953
Statistics	61024
Feed and Forage Crops	61032
Fibers and Textiles	61079
Fruits, Vegetables, and Nuts	61186
Analysis and Composition	61216
Consumption and Utilization	61269
Distribution, Marketing, and	
Transportation	61271
Grading, Inspection, Standardiza-	
tion, and Quality	61304
Packing and Packaging	61326
Prices, Price Control, and	
Rationing	61332
Processing and Storage	61335
Statistics	61407
Grain and Grain Products	61416
Honey and Beeswax	61604
Livestock and Livestock Products	
	61616
Analysis and Composition	61646

	Item
Consumption and Utilization	61726
Distribution, Marketing, and	
Transportation	61731
Grading, Inspection, Standardiza-	
tion, and Quality	61758
Packing and Packaging	61801
Prices, Price Control, and	
Rationing	61804
Processing and Storage	61811
Statistics	61869
Oils and Oilseeds	61882
Poultry and Poultry Products	
	61996
Rubber and Rubber Substitutes	
	62068
Seeds	62093
Sugar and Sirups	62116
Tobacco	62160
Miscellaneous Products	62199
AGRICULTURAL ECONOMICS AND	
RURAL SOCIOLOGY	62227-63412
General	62227
Agricultural Finance	62314
Credit	62339
Income	62370
Inflation	
Insurance	62377
Taxation	62393
Agricultural Labor and Wages	
	62412
Agriculture - Situation, Policies,	
and Programs	62489
Subsidies	62635
Cost and Standard of Living	62639
Farm Management and Land	
Economics	62641
Bookkeeping and Records	62821
Costs and Returns	62843
Land Settlement and Colonization	
	62926
Land Tenure	62934
Land Utilization	62972
Land Values and Valuation	63009
Population	63026
Rural Social Organization	63042
Human Ecology	63057
Institutions	63075

	Item
Leadership	63186
Rural Organizations and	
Movements	63188
Cooperative Organizations	63216
Rural Social Psychology	63266
Trade, Foreign and International	
	63284
FOOD AND HUMAN NUTRITION	
	63413-63467
General	63413
Food Habits	63446
Nutritive and Vitamin Content	
	63449
MISCELLANEOUS	63468-63827
General	63468
Biography	63565
History	63745
Home Management	63751
International Relations	63766
Meteorology	
Personnel	63768
Research	63786
Statistics	63821
NEW PERIODICALS AND	
SERIALS	p. 372
TRANSLATIONS	p. 374
U. S. D. A. PUBLICATIONS	p. 397
STATE AGRICULTURAL	
EXPERIMENT STATION	
PUBLICATIONS	p. 404
STATE AGRICULTURAL	
EXTENSION SERVICE	
PUBLICATIONS	p. 410
FAO PUBLICATIONS	p. 418
ORGANIZATIONAL INDEX	p. 421

PLANT SCIENCE

GENERAL

- 51795 ABRAMOVA, A. L., and ABRAMOV, I. I. Musci e sedimentis Sarmaticis Ciscaucasiae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:280-284. 451 Ak15N
Text in Russian.
- 51796 ABRAMOVA, A. L., and ABRAMOV, I. I. Musci fossiles e sedimentis montis Mamontovaja ad Aldan. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:278-280. 451 Ak15N
Text in Russian.
- 51797 AKADEMIYA NAUK UKRAYINS'KOYI RSR. INSTYTUT BOTANIKY. Pytannya eksperymentalnoyi botaniky [Problems of experimental botany]. Kyi Naukova Dumka, 1964. 174 p. Ref. 459.2 K54P
- 51798 BASSON, P. W. The fossil flora of the dry-wood formation of southwestern Missouri. Diss. Abs. 26(8):4191. Feb.1966. 241.8 M58
- 51799 BECHTEL, P. Atmospheric pollution; incidence of pulmonary inflammation; influence of green areas. (Fr) Cah. Ingen. Agron. 197:11-12. June/July 1965. 14 C112
Tree areas in Paris; parks.
- 51800 BERGHEN, C. VANDEN. Introduction to the study of vegetation. (Fr) Natur. Belg. 47(1):2-19. (Cont.) Jan.1966. 410.9 N21
- 51801 BOOM, B. K. Naming of cultivated varieties. I. (Du) Zaadbelangen 19(18):439-440. Sept.30, 1965. 61.8 Z1
- 51802 BOOM, B. K. Naming of cultivated varieties. II. (Du) Zaadbelangen 19(20):527-528. Oct.30, 1965. 61.8 Z1
- 51803 DZHAVAKHISHVILI, A. N. The Bakuriani Botanic Garden [Bakurianskii Botanicheskii Sad] of Alpine plants. (Rus) Vses. Bot. Obshch. Prob. Bot. 7:88-92. 1965. 451.1 V962
Of the Academy of Sciences, Georgian SSR [Akademiya Nauk Gruzinskoi SSR].
Collections of Alpine plants.
Abstracted in Ref. Zh. Biol. 19(sect.V):3. Oct.1965. 241. R25
- 51804 EDWARDS, R. Y. The parks of Canada. 1. What is a park? Can. Audubon 27(5):137-143. Nov./Dec.1965. 410 C162
- 51805 GARNETT, W. J. Freshwater microscopy. Ed. 2. London, Constable, 1965. 376 p. Ref. QH96.G3
Includes collecting and identifying aquatic plants and aquatic insects.
- 51806 GLEZER, Z. I., and POSNOVA, A. N. Diatomeae novae marinae ex Eoceno Kazachstaniae occidentalis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:59-66. 451 Ak15N
Text in Russian.
- 51807 GLEZER, Z. I. Silicoflagellatae fossiles novae URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:46-58. Ref. 451 Ak15N
Text in Russian.
- 51808 GOLOVKIN, B. N. Botanic gardens of Iceland. (Rus) Moscow. Glav. Bot. Sad. B. 57:107-109. 1965. 451 M854
Abstracted in Ref. Zh. Biol. 19(sect.V):2. Oct.1965. 241.7 R25
- 51809 HELLENDORRN, H. G. New aids in plant taxonomy. (Du) Succulenta 45(2):29-30. Feb. 1966. 450 Su12
- 51810 BOONE, W. History of botany in West Virginia. W. Va. Acad. Sci. Proc. 37:207-212. 1965, pub. 1966. 500 W52
- 51811 HOLMQVIST, A. H. Swedish botanical bibliography, 1964. Bot. Not. 118(4):461-486. 1965. 450 B656
- 51812 KOLESNIKOVA, T. D. Salvinia natans L. All. in postglacial deposits of Leningrad province. (Rus) Akad. Nauk SSSR. Dokl. 166(6):1409-1411. 1966. 511 P444A
- 51813 KORDE, K. B. Recent contributions to the taxonomy and evolution of Rhodophyceae of the Early Paleozoic. (Rus) Akad. Nauk SSSR. Dokl. 166(6):1440-1442. 1966. 511 P444A
- 51814 KOROTKEVICH, O. S. Species novae Diatomacearum e Neogeno peninsulae Kamczatka. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:104-114. Ref. 451 Ak15N
Text in Russian.
- 51815 KOROVIN, E. P., and RAIKOVA, I. A. Progress in botanical investigations of Uzbekistan under the Soviet regime. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:3-28. Ref. 1964. 442.9 T18
- 51816 KUCHLER, A. W. Analyzing the physiognomy and structure of vegetation. Ass. Amer. Geogr. Ann. 56(1):112-127. Mar.1966. 500 As73
For maps.
- 51817 LATVIJAS PSR ZINATNU AKADEMLJA. INSTITUT BIOLOGII. Rastitel'nost' Latviiskoi SSR [Vegetation of Latvian SSR], v. 4. Riga, 1964. 258 p., map. Ref. 451 R44
- 51818 LAWRENCE, G. H. M. Archives of portraiture and biography in the Hunt Botanical Library. W. Va. Acad. Sci. Proc. 37:218-221. 1965, pub. 1966. 500 W52
- 51819 LUPIKINA, E. G. Diatomeae novae et curiosae e stratis Ermanicis partis Kamczatkae occidentalis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:15-22. 451 Ak15N
Text in Russian.
- 51820 MAKAROVA, I. V. Novitates florum Neogenae Diatomacearum peninsulae Tamanj. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:9-12. Ref. 451 Ak15N
Text in Russian.
- 51821 MAZING, V. Vegetation of upland moors of Saaremaa Island. (Rus) In Izuchenie rastitel'nogo pokrova ostrova Saaremaa 1964:255-278. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:9-10. Dec.1965. Film S-203
- 51822 MEIEN, S. V., and TVERDOKHLEBOV, V. P. On the occurrence of true mosses in Permian deposits of the southern Priuralie. (Rus) Akad. Nauk SSSR. Dokl. 166(4):924-927. 1966. 511 P444A
- 51823 MELCHIOR, R. C. Pollen and spores of the Shawmut Anticline, Montana. Diss. Abs. 26(9):4993-4994. Mar.1966. 241.8 M58
- 51824 MOORE, P. D. Preliminary report on a stratigraphical and palynological study of upland peats in central Wales. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:41-46, map. June 1965. 501 Ab3
- 51825 NEUBAUER, L. W., and ZSCHEILE, F. P. Rotating solatron receives more sunlight for plant growth. Calif. Agr. 20(1):4-5. Jan.1966. 100 C12Cag
Phytotron unit at Davis, Calif.
- 51826 NIKOLAEV, V. A. Species Diatomacearum novae e sedimentis Tertiariis Orientis Extremi. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:13-15. 451 Ak15N
Text in Russian.
- 51827 PARAMONOVA, N. V. Species novae Diatomacearum ex Eoceni Sibiriae occidentalis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:66-68. 451 Ak15N
Text in Russian.
- 51828 PASHKOV, G. D., and ZHERNOVOI, A. S. Basic principles for construction of open-ground plant displays (Towards a prospective plan for developing botanic gardens). (Rus) In Introduktsiya rastenii 1964:3-15. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.V):3. Oct.1965. 241.7 R25

- 51829 PORTERES, R. The Ethnobotanical Laboratory of the National Museum of Natural History [Museum National d'Histoire Naturelle] (Paris). (Fr) J. Agr. Trop. Bot. Appl. 12(1/3): 1-4. Jan./Mar.1965. 26 J822
- 51830 REDHARDT, A. Application of the electron spin resonance method in radiation biology. (Ge) Biophysik 2(5):303-319. Ref. 1965. 442.8 B5242
Includes application in botany.
- 51831 REISAETER, O. Tree preservation in Norway. (No) Norsk Planteskolelag 11:9-23. 1965. 86 N812
English summary.
Notable trees.
- 51832 ROGERSON, C. T., and others. Index to American botanical literature. Torrey Bot. Club. Bull. 93(1):76-96. Jan./Feb.1966. 451 T63B
L. Schwarten, H. W. Rickett, and H. Becker, joint authors.
Bibliography.
- 51833 SEDDON, B. Prehistoric climate and agriculture: a review of recent paleo-ecological investigations. Aberystwyth, Univ. Coll. Wales. Dep. Geogr. Mem. 19-32, map. Ref. June 1965. 501 Ab3
Pollen studies.
- 51834 SHESHUKOVA-PORETSKAYA, V. S., and MOISEEVA, A. I. Diatomeae aquae dulcis novae et curiosae e Neogeno Sibiriae occidentalis et Orientis Extremi. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:92-103. Ref. 451 Ak15N
Text in Russian.
- 51835 SHESHUKOVA-PORETSKAYA, V. S., and GLEZER, Z. I. Diatomeae marinae novae e Paleogeno Ucrainiae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:78-92. Ref. 451 Ak15N
Text in Russian.
- 51836 SHESHUKOVA-PORETSKAYA, V. S. Diatomeae marinae novae et rarer e Neogeno insulae Sachalin et peninsulae Kamczatka. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:69-77. Ref. 451 Ak15N
Text in Russian.
- 51837 SIEGRIST, M., and GRIER, M. C. Bibliography and index of geology exclusive of North America. Volume 28, 1963. n.p., Geol. Soc. Amer., 1965. 784 p. 241.65 N51
Includes references to paleobotany and soil genesis for which the index should be consulted.
- 51838 STREL'NIKOVA, N. I. De Diatomeis Cretae superioris rarioris et novis declivis orientalis montium Uralensium polarium. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:29-37. Ref. 451 Ak15N
Text in Russian.
- 51839 TRALAU, H. Phlebopteris angustiloba (Presl) Hirmer et Horhammer (Matoniaceae) from "Olstorp" shaft, Bjuv, Scania. Bot. Not. 118(4): 373-376. Ref. 1965. 450 B656
- 51840 TURNER, J. A recent study of Tregaron Bog, Cardiganshire. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:33-40, map. June 1965. 501 Ab3
Paleobotany.
- 51841 VAN LANDINGHAM, S. L. Miocene non-marine Diatoms from the Yakima Region in South Central Washington. Nova Hedwigia. Beih. 14, 78 p. 1964. 450 N852
Bibliography, p.52-68.
- 51842 VOLOGDIN, A. G., and TITORENKO, T. N. Proterozoic algae from the Kurtum River. (Rus) Akad. Nauk SSSR. Dokl. 166(6):1436-1439. 1966. 511 P444A
- 51843 WARTER, J. L. K. Palynology of a lignite of Lower Eocene (Wilcox) age from Kemper County, Mississippi. Diss. Abs. 26(8):4199. Feb.1966. 241.8 M58
- 51844 YUSTUS, E. B. Double screen with regulation of hole size. (Rus) Voprosy Semenovodstva Semenovedeniya i Kontrol'no-Semennogo Dela 2:144-146. 1964. (Not in Libr.)
Botany equipment.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:12. July 1965. Film S-202
- 51845 ZSCHEILE, F. P., and others. A sunlight phototron unit as a practical research tool. Hilaria 36(14), 565 p. Ref. Sept.1965. 100 C12H
S. M. Henderson, A. S. Leonard, L. W. Neubauer, and S. J. Sluka, joint authors.
Details of construction, operating costs, etc., at Davis, Calif.

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 51846 ABRAMOV, I. I., ABRAMOVA, A. L., and KIPIANI, M. G. Sporogonia muscorum e sedimentis Quartariis URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:285-296. 451 Ak15N
Text in Russian.
- 51847 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT IMENI V. L. KOMAROVA. Novosti sistematiki nizshikh rastenii. Novitates systematicae plantarum non vascularium. Moskva, Izdatel'stvo Nauka, 1965. 300 p., map. Ref. 451 Ak15N
Text in Russian.
- 51848 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT IMENI V. L. KOMAROVA. Novosti sistematiki nizshikh rastenii. Novitates systematicae plantarum non vascularium. Moskva, Izdatel'stvo Nauka, 1964. 346 p., map. Ref. 451 Ak15N
Text in Russian.
- 51849 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT IMENI V. L. KOMAROVA. Novosti sistematiki vysshikh rastenii. Novitates systematicae plantarum vascularium. Moskva, Izdatel'stvo Nauka, 1965. 344 p., map. Ref. 451 Ak15N
- 51850 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT. Novosti sistematiki vysshikh rastenii. Novitates systematicae plantarum vascularium. Moskva, Izdatel'stvo Nauka, 1964. 401 p., map. Ref. 451 Ak15N
- 51851 ALIEV, D. A. Overgrowing of rivers in Leninograd lowland. (Rus) Akad. Nauk Azerbaidzh. SSR. Izv. Ser. Biol. Med. Nauk 1:25-28. 1965. 442.9 Ak132
Abstracted in Ref. Zh. Biol. 21(sect.D):30. Nov.1965. 241.7 R25
- 51852 ARORA, R. K. On the biological spectrum of North Kanara flora. Indian Forest. 92(2):85-88. Ref. Feb.1966. 99.8 In2
- 51853 BADAMYN, D. Addenda to the flora of Eastern Mongolia. (Rus) Bot. Zhur. [Moscow] 50(11): 1638-1642, map. Nov.1965. 451 R923
- 51854 BEAMAN, J. H., and ANDRESEN, J. W. The vegetation, floristics and phytogeography of the summit of Cerro Potosi, Mexico. Amer. Midland Natur. 75(1):1-33, map. Ref. Jan.1966. 410 M58
- 51855 BERGHEN, C. V., and DUVIGNEAUD, J. An excursion to Hauts Butte, in Ardenne (Dept. Ardennes, France) on June 20, 1965. (Fr) Natur. Belg. 46(8):392-403. Oct.1965. 410.9 N21
Discusses flora.
- 51856 BOCHANTSEV, V. P. Additamenta ad floram Aegypti. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964: 349-378. 451 Ak15N
Text in Russian.

- 51857 BOSSEAUX, M. E. Vegetation and flora of the Islands St. Pierre and Miquelon. (Fr) J. Agr. Trop. Bot. Appl. 12(1/3):58-79, map. (Cont.) Jan./Mar. 1965. 26 J822
- 51858 CARRODUS, B. B., SPECHT, R. L., and JACKMAN, M. E. The vegetation of Koonamore station, South Australia. Roy. Soc. S. Australia. Trans. 89:41-57, map. Ref. Dec. 1965. 514 Ad3
- 51859 CHERNOV, E. G. What grows on Kolsk soil. (Rus) In Priroda Murmanskoi Obl. 1964:115-135. (Not in Libr.) Abstracted in Ref. Zh. Biol. 21(sect.V):26. Nov. 1965. 241.7 R25
- 51860 CUATRECASAS, J. Establishment of the "Commission for Neotropical Flora." (Sp) Ciencia 24(3/4):163. Aug. 25, 1965. 475 C48
- 51861 DOROFEEV, P. I. On some problems of the history of flora. (Rus) Bot. Zhur. [Moscow] 50(11):1509-1522. Ref. Nov. 1965. 451 R923 English summary.
- 51862 DUBOVIK, O. N. Outline of the Donets forest-steppe flora. (Ukr) Ukr. Bot. Zhur. 21(4):85-94, map. Ref. 1964. 450 J8212J English summary.
- 51863 GUSEV, Y. D. The flora of the Sarez district of the Badakhshan Region and its affinities with the flora of the Pamirs. (Rus) Bot. Zhur. [Moscow] 51(1):64-73, map. Ref. 1965. 451 R923 English summary.
- 51864 HANELT, P., and DAVAZAMC, S. Contribution to the knowledge of the flora of Mongolia, especially the Gobi Altai, Trans-Altai, and the Alashan-Gobi region. Results of the Mongolian-German Biological Expedition 1962, No. 3. (Ge) Feddes Repert. 70(1/3):7-68, map. Ref. Mar. 30, 1965. 450 R29
- 51865 KALININA, A. A. Flora of Kinel meadows. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:294-302. 1964. (Not in NAL) Abstracted in Ref. Zh. Biol. 21(sect.V):21. Nov. 1965. 241.7 R25
- 51866 KARPATI, Z. Plant geographical problems of drug plants. (Hu) Herba Hung. 4(1):35-46. 1965. 71.8 H413 German summary.
- 51867 KONONOV, V. N. Relation between floras of Moldavia and Crimea and Caucasus. (Rus) Bot. Zhur. [Moscow] 50(11):1625-1628. Ref. Nov. 1965. 451 R923
- 51868 LOVE, A., and LOVE, D. Taxonomic remarks on some American alpine plants. Colo. Univ. Stud. Ser. Biol. 17:43 p. Aug. 1965. 442.9 C71 Bibliography, p. 34-43.
- 51869 NORDENSTAM, B. Notes on the Karroo flora. (Sw) Bot. Not. 118(4):458-459. 1965. 450 B656
- 51870 PEDERSEN, A. The adventitious flora of Ivigtut and Gronnedae. (Da) Bot. Tidsskr. 61(1/2):88-97. Ref. 1965. 450 B654
- 51871 PETROVSKII, P. YA. Publication activities of the All-Union Botanical Society, Belorussian Branch [Vsesoyuznoe Botanicheskoe Obshchestvo, Belorusskoe Otdelenie]. (Rus) Bot. Zhur. [Moscow] 51(1):152-153. 1965. 451 R923
- 51872 PITSCHMANN, H., and REISIGL, H. Flora der Sudalpen vom Gardasee zum Comersee [Flora of the southern Alps from Lago di Garda to Lake Como]. Ed. 2, enl. Stuttgart, Fischer, 1965. 299 p., map. QK297.P5
- 51873 PRIVALOVA, L. A., RYNDINA, G. P., and KOSYKH, V. M. De speciebus nonnullis novis, neglectis et raris florae Tauricae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:299-306. Ref. 451 Ak15No Text in Russian.
- 51874 RIMPLER, H. The taxonomic value of chemical constituents: mechanisms of excretion and excreta. (Ge) Planta Med. 13(4):412-417. Ref. Nov. 1965. 450 P697 English summary. Plants.
- 51875 RODIMER, E. The year outdoors; a New Jersey chronicle. New Brunswick, Rutgers Univ. Press, 1966. 294 p. QH105.N5R6 Flora and fauna, including insects.
- 51876 SHAGA, V. S. New floristic finds in the central parts of Sikhote-Aline Mountains. (Rus) Bot. Zhur. [Moscow] 50(11):1623-1625. Ref. Nov. 1965. 451 R923
- 51877 SUNDING, P. Plant finds from Vestspitsbergen the summer 1964. (No) Norsk Polarinst. Arbok 1964:149-154. 1966. 502 N812 English summary.
- 51878 VROEGINDEWEIJ, P., and VOGELAAR, A. K. Late blooming plants. (Du) Levende Natuur 68(11):287. Nov. 1965. 410 L57 Oct. 30, 1965.

Spermatophytes

- 51879 ALLEWELDT, G. On the presence of wild grapes in Turkey. (Ge) Z. Pflanzenzucht. 53(4):380-388. Ref. Aug. 1965. 450 Z36 English summary. Includes taxonomy of Vitis vinifera and V. silvestris.
- 51880 ANDREAS, C. H. Spiranthes cernua (L.) Rich. (Du) Gorteria 3(2):31-32. Mar. 1, 1966. 450 G68 English summary.
- 51881 ANWAY, J. C. The systematic botany and taxonomy of Polemonium foliosissimum A. Gray. Diss. Abs. 26(9):4988-4989. Mar. 1966. 241.8 M58
- 51882 BEARD, L. S. A taxonomic study of Mimosa quadrivalvis L. (Schrankia Willd. nom. cons.). Diss. Abs. 26(3):1302-1303. Sept. 1965. 241.8 M58
- 51883 BERKO, M. M. Heracleum mantegazzianum Somm. et Lev. in the Ukrainian Carpathians. (Ukr) Ukr. Bot. Zhur. 21(4):104-106. 1964. 450 J8212J
- 51884 BOCHANTSEV, V. P. De Chenopodiaceis notae criticae. 2. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:111-113. 451 Ak15No Text in Russian.
- 51885 BOCHANTSEV, V. P. De Cruciferis notae criticae. 4. Torularia rossica O. E. Schulz. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:123-125. 451 Ak15No Text in Russian.
- 51886 BOCHANTSEV, V. P. Quid est Cleome arabica Jusl.? Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:129-131. 451 Ak15No Text in Russian. Taxonomy.
- 51887 BOCHANTSEV, V. P. Species novae ex Asia Media. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:268-281. 451 Ak15No Text in Russian. In Asparagus, Polygonum, Arabidopsis, Erysimum, Sameraria, Malcolmia, and Parrya.
- 51888 BOER, H. W. DE. Lithops dinteri var. multipunctata de Boer var. nov. Succulenta 45(2):21-22. Feb. 1966. 450 Su12 Text in Dutch.
- 51889 BORISOVA, A. G. De genere Chesneya Lindl. et genere novo Chesniella Boriss. (familia Leguminosae) notula. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:178-190, map. 451 Ak15No Text in Russian. Includes n. spp.

- 51890 BORISOVA, A. G. Tribus novae familiae Leguminosae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964: 223-225. 451 Ak15No
Text in Russian.
- 51891 BORTENSCHLAGER, S. Finds of African pollen in the Alps. (Ge) Naturwissenschaften 52 (24):663-664. Dec.15,1965. 474 N213
Includes Ephedra pollen
- 51892 BOURREIL, P., and GILLET, H. On the presence of an *Aristida* of Ethiopia of western Africa in the Ennedi mountains (North Chad). (Fr) J. Agr. Trop. Bot. Appl. 12(1/3):108-113, map. Jan./Mar.1965. 26 J822
- 51893 BRASHER, C. K. A revision of *Commelina* (Plum.) L. in the U.S.A. Torrey Bot. Club. Bull. 93(1):1-19, map. Ref. Jan./Feb.1966. 451 T63B
- 51894 BRITTAIN, W. H., and GRANT, W. F. Observations on Canadian birch (*Betula*) collections at the Morgan Arboretum. II. *B. Papyrifera* var. *cordifolia*. Can. Field-Natur. 79(4):253-257. Oct./Dec.1965. 410.9 Ot8
- 51895 BRUNSBURG, K. The usefulness of thin-layer chromatographic analysis of phenolic compounds in European *Lathyrus* L. Bot. Not. 118 (4):377-402, map. Ref. 1965. 450 B656
In plant taxonomy.
- 51896 BUINING, A. F. H. *Cleistocactus laniceps* (K. Sch.) Goss. Succulenta 45(2):20. Feb.1966. 450 Su12
Text in Dutch.
- 51897 BUINING, A. F. H. Denmoza once more. (Du) Succulenta 44(9):131-132. Sept.1965. 450 Su12
Denmoza *rhodacantha* and *D. erythrocephala*.
- 51898 BUINING, A. F. H. *Lobivia arachnacantha* Buin. et Ritter. (Du) Succulenta 44(10):149-151. Oct.1965. 450 Su12
- 51899 BUINING, A. F. H. *Opuntia longispina* Haw. var. *corrugata* (Pfeiff.) Bckbg. (Du) Succulenta 44(11):169-170. Nov.1965. 450 Su12
- 51900 BUINING, A. F. H. *Parodia tuberculata* Card. (Du) Succulenta 44(8):124-125. Aug.1965. 450 Su12
- 51901 CHEFRANOVA, Z. V. Conspectus criticus specierum sectionis *Orobanchaceae* (L.) Gr. et Godr. generis *Lathyrus* L. fl. URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:152-167. 451 Ak15No
Text in Russian.
- 51902 CHEFRANOVA, Z. V. De specie generis *Lathyrus* L. ex Oriente Extremo. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:219. 451 Ak15No
Text in Russian.
- 51903 CHEFRANOVA, Z. V. Species nova generis *Lathyrus* L. ex parte centrali Caucasi Minoris. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:220-222. 451 Ak15No
- 51904 CHEN, H. C. A primitive new orchid genus *Tangtsinia* and its meaning in phylogeny. (Ch) Acta Phytotaxonom. Sinica 10(3):193-206, map. Ref. July 1965. 450 C43
English summary.
- 51905 CHEREPANOV, S. K. Series novae subgeneris *Cyanus* (Juss.) Hayek generis *Centaurea* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:266-267. 451 Ak15No
Text in Russian.
- 51906 CHERNEVA, O. V. Species nova generis *Scutellaria* L. ex Asia Centrali. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:220-222. 451 Ak15No
Text in Russian.
- 51907 CHIANG, Y., and LI, P. T. Revisio specierum sinensium *Fissistigmatis* Griffith. (Ch) Acta Phytotaxonom. Sinica 10(4):315-328. Oct.1965. 450 C43
Includes new spp.
- 51908 CHOU, H. *Materiae ad genus Teucrium* L. sinense. (Ch) Acta Phytotaxonom. Sinica 10 (4):329-346. Oct.1965. 450 C43
Includes new spp.
- 51909 CHUN, W. Y., and TAN, P. C. *Notulae ad fagaceas hainanicas*. (Ch) Acta Phytotaxonom. Sinica 10(3):207-209. July 1965. 450 C43
Includes new spp. in *Lithocarpus* and *Quercus*.
- 51910 CHUNG, P. C., and CHANG, C. T. Palynological study of *Pedicularis* and its relation with the taxonomic systems of the genus. (Ch) Acta Phytotaxonom. Sinica 10(3):257-281. July 1965. 450 C43
- 51911 CHUNG, P. C., and CHANG, C. T. Palynological study of *Pedicularis* and its relation with the taxonomic systems of the genus. II. (Ch) Acta Phytotaxonom. Sinica 10(4):357-374. Oct. 1965. 450 C43
- 51912 COOPERRIDER, T. S., and GALANG, M. M. A *Pluchea* hybrid from the Pacific. Amer. J. Bot. 52(10):1020-1026. Nov./Dec.1965. 450 Am36
Pluchea indica X *P. odorata*.
- 51913 DELWIG, C. VON. A new locality for *Scutellaria minor* on the Bjare peninsula in Scania. (Sw) Bot. Not. 118(4):432-434. 1965. 450 B656
- 51914 DEMPSTER, L. T., and EHRENDORFER, F. Evolution of the *Galium multiflorum* complex in Western North America. II. Critical taxonomic revision. Brittonia 17(4):289-334, map. Ref. Oct.1965. 450 B77
Includes *Galium argense* n. sp. and *G. hillebrandiae* n. sp.
- 51915 EGOROVA, T. V. De *Caricibus* sectionis *Capillares* notae criticae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:31-48. 451 Ak15No
Text in Russian.
Includes n. sp.
- 51916 EGOROVA, T. V. *Caricum* subgeneris *Vigneae* (Beauv.) Kirschl. fl. URSS classificatio. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:57-83. 451 Ak15No
Text in Russian.
- 51917 EGOROVA, T. V. Species nova generis *Carex* L. e montibus Chamar-Daban. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:84-86. 451 Ak15No
Text in Russian.
- 51918 ELENEVSKII, A. G. Species nova *Hyperici* ex Armenia. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964: 243-245. 451 Ak15No
Text in Russian.
- 51919 ELIASSON, U. Studies in Galapagos plants. I. Leguminosae. Svensk Bot. Tidskr. 59(3):345-367. Ref. 1965. 450 Sv2
- 51920 FABRIS, H. A. The Argentine species of the genus *Jacaranda*. (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1a):131-139. 1964, pub. 1965. 9 R32
English summary.
- 51921 FEDOROV, A. A. Nova species generis *Campanula* L. e Daghestania. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:237-240. 451 Ak15No
Text in Russian.
- 51922 FEDOROV, A. A. Nova species generis *Primula* e montibus Pamiriae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:258-262. 451 Ak15No
Text in Russian.
- 51923 FITZPATRICK, H. M. Conifers: keys to the genera and species, with economic notes. Roy. Dublin Soc. Sci. Proc. Ser. A, 2(7):129 p. Ref. Oct.27,1965. 501 D85

- 51924 FODOR, S. S., and KOMENDAR, V. I. *Cardaminopsis ovirensis* (Wulf.) Theil. ex Jav. in montibus Carpaticis Ucrainicis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:121-122. 451 Ak15No
Text in Russian.
- 51925 FRIES, N. Some plant localities in Bohuslan, mainly at the bay of Abyfjorden, West Coast of Sweden. (Sw) Svensk Bot. Tidskr. 59(3):377-381. 1965. 450 Sv2
- 51926 FUJITA, Y. A problem concerning species and phyletic line in *Angelica* as elucidated by chemical constituents. (Ja) Biol. Sci. 17(3):126-136. Ref. Dec.1965. 442.8 B5264
- 51927 GALUSHKO, A. I., and KUDARYASHOVA, G. L. *Nota de Saxifraga dinnikii* Schmalh. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:126-129. 451 Ak15No
Text in Russian.
- 51928 GALUSHKO, A. I. Species nova generis *Dianthus* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:118-120. 451 Ak15No
Text in Russian.
- 51929 GOLITSIN, S. V. *Cotoneaster alaunica* Golits [n. sp.]. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:145-146. 451 Ak15No
Text in Russian.
- 51930 GOLUBKOVA, V. F. De genere *Heptacodium* Rehd. e familia *Caprifoliaceae* Juss. notula. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:230-236. 451 Ak15No
Text in Russian.
- 51931 GOODMAN, M. Classification, correlation, and the structure of populations. Diss. Abs. 26(8):4193. Feb.1966. 241.8 M58
Gossypium barbadense and *C. hirsutum*.
- 51932 GOPALAKRISHNAN, R. African tetraploid species of *Oryza*. Cur. Sci. 34(24):698-699. Dec.20,1965. 475 Sci23
A cytotoxic study.
- 51933 GOROVOI, P. G. *Duae species novae e familia Umbelliferarum*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:252-257. 451 Ak15No
Text in Russian.
In *Phlojodicarpus* and *Heracleum*.
- 51934 GRUDZINSKAYA, I. A. De generibus tropicis *Aphananthe* Planch., *Gironniera* Gaud. et *Calanina* Grudz. gen. nov. e familia *Ulmaceae*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:49-70, map. Ref. 451 Ak15No
Text in Russian.
- 51935 GUNN, C. R. The *Vicia americana* complex (Leguminosae). Diss. Abs. 26(9):4991. Mar. 1966. 241.8 M58
- 51936 HALLBERG, H. P. Contributions to the plant geography of Goteborgs and Bohus Province, southwestern Sweden. (Sw) Svensk Bot. Tidskr. 59(3):368-376. Ref. 1965. 450 Sv2
English summary.
- 51937 HANSEN, A. *Amaranthus* species found in Denmark. (Da) Bot. Not. 118(4):449-450. 1965. 450 B656
- 51938 HANSEN, A. New floristic finds and observations, mostly from 1964. (Da) Bot. Tidsskr. 61(1/2):108-112. 1965. 450 B654
English summary.
- 51939 HASSELROT, K. An interesting plant locality in Falbygden, Vastergotland, southwestern Sweden. (Sw) Svensk Bot. Tidskr. 59(3):388-389. 1965. 450 Sv2
- 51940 HAWKSWORTH, F. G., and WIENS, D. *Arceuthobium* in Mexico. *Brittonia* 17(3):213-238, map. Ref. July 1965. 450 B77
Parasitic on *Coniferae*; includes n. spp.
- 51941 HENRY, A. N. *Antidesma walkeri*—a new record for India. Cur. Sci. 35(4):106. Feb.20, 1966. 475 Sci23
- 51942 HIGGINS, M. L. Variation and species relationship in the *Bothriochloa pertusa* complex. Diss. Abs. 26(3):1305-1306. Sept.1965. 241.8 M58
- 51943 HYLMO, B. Some finds of adventitious plants in Scania. (Sw) Bot. Not. 118(4):430-432. 1965. 450 B656
- 51944 IL'IN, M. M. *Chenopodiaceae novae e Palaestina*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964. 451 Ak15No
Text in Russian.
In *Hammada* and *Anabasis*.
- 51945 ISING, E. H. Two new species of *Embadium* (Boraginaceae). Roy. Soc. S. Australia. Trans. 89:283-289. Dec.1965. 514 Ad3
Embadium uncinatum n. sp. and *E. johnstonii* n. sp.
- 51946 ISSAR, R. K. A note on the occurrence of *Gleadovia ruborum*, a rare Himalayan genus. Indian Forest. 92(2):132. Feb.1966. 99.8 In2
- 51947 IVANOVA, M. M. De plantis novis et raris e montibus Chamar-Daban. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:282-292. Ref. 451 Ak15No
Text in Russian.
Includes n. sp. in *Allium*.
- 51948 IVASHIN, D. S. A new species of hawthorn from the left-bank area of the Ukraine. (Ukr) Ukr. Bot. Zhur. 21(6):60-68, map. Ref. 1964. 450 J8212J
English summary.
Crataegus klokovii n. sp.
- 51949 JENSEN, N. *Epilobium inornatum* from New Zealand as an adventitious plant in Denmark. (Da) Bot. Tidsskr. 61(1/2):106-108. 1965. 450 B654
English summary.
- 51950 JOSEPH, C. K. Cytotaxonomic studies on *Ane-mone* species (section *Erioccephalus*) with tuberous rootstocks. Diss. Abs. 26(8):4194-4195. Feb.1966. 241.8 M58
- 51951 KATZ, M. W., and TORRES, A. M. Numerical analyses of caespitose *Zinnias*. *Brittonia* 17(4):335-349. Ref. Oct.1965. 450 B77
Taxonomy.
- 51952 KIRPICHNIKOV, M. E. *Systema generis Sonchus* L., in "Flora URSS" a nobis acceptum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:341-342. 451 Ak15No
Text in Russian.
- 51953 KOROVIN, E. P. Generis *Ferula* L. species novae e Pamir-Alaj. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:246-251. 451 Ak15No
Text in Russian.
- 51954 KOSYKH, V. M. Species nova generis *Crataegi* L. e *Tauria montana*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:147-150. 451 Ak15No
Text in Russian.
- 51955 KOVACHEV, I. G. Generis *Andrachne* L. species nova e Bulgaria. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:168-172. 451 Ak15No
Text in Russian.
- 51956 KOVACHEV, I. G. Generis *Colchicum* L. species nova e Bulgaria. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:87-89. 451 Ak15No
Text in Russian.
- 51957 KOVACS, A. Distribution of grasses in the environs of the City Tg. Sacuiesc, Brasov area. (Rum) Cluj. Univ. Babes-Bolyai. Stud. Ser. Biol. 10(1):25-29. Ref. 1965. 442.9 C62
French summary.
- 51958 KUANG, K. J., and LU, A. M. Revisio *Physaliastrorum* Makino. (Ch) Acta Phytotaxonom. Sinica 10(4):347-355. Oct.1965. 450 C43
Includes new spp.

- 51959 KURDYUK, M. G. White fir [*Abies lowiana*] in the Kharkov Region. (Rus) Moscow. Glav. Bot. Sad. B. 58:114. 1965. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:13. Dec.1965.
Film S-203
- 51960 LADYGINA, G. M. Species nova generis *Artemisia* L. e regione Alpine Pamiri. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:246-251, map. 451 Ak15No
Text in Russian.
- 51961 LANGHE, J. E. DE. The burdocks (gen. *Arctium* L.) of Belgium and the adjacent regions. (Fr) Natur. Belg. 47(1):21-29, map. Jan.1966. 410.9 N21
- 51962 LARSEN, K. Studies in Zingiberaceae. V. *Hedychium*—some new Indo-Chinese taxa. Bot. Tidsskr. 61(1/2):71-79. 1965. 450 B654
Includes new spp.
- 51963 LEONOVA, T. G. Sectio nova generis *Euonymus* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:173-174. 451 Ak15No
Text in Russian.
- 51964 LI, P. Y. Additional notes on the berberis species of the provinces of Shensi, Kansu and North-eastern Chinghai. (Ch) Acta Phytotaxonom. Sinica 10(3):210-214. July 1965. 450 C43
Includes new sp.
- 51965 LIN, A. Y. Genera nova vel minus cognita familiae Compositarum. III. *Syncalathium* Lipsch. (Ch) Acta Phytotaxonom. Sinica 10(3):283-289. July 1965. 450 C43
French summary.
Includes new sp.
- 51966 LINCHEVSKII, I. A. Ad historiam nomenclaturae *Anacardiacearum* Lindl. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:238-242. 451 Ak15No
Text in Russian.
- 51967 LINCHEVSKII, I. A. Notulae de *Plumbaginaceae*. 1. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:263-266. 451 Ak15No
Text in Russian.
Includes n. sp. in *Cephalorrhizum*.
- 51968 LINCHEVSKII, I. A. Species nova generis *Dianthus* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:76-78. 451 Ak15No
Text in Russian.
- 51969 LIPCHITS, S. YU. Ad cognitionem generis *Saussurea*. 1. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:314-328. 451 Ak15No
Text in Russian.
Includes n. sp.
- 51970 LIPCHITS, S. YU. De *Saussurea nipponica* Miq. et S. kiusiana Franch. nota. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:329-332. 451 Ak15No
Text in Russian.
Nomenclature.
- 51971 LIPSHITS, S. YU. Revisio critica specierum generis *Saussurea* DC. (secundum specimina typica Leveillei, Vaniotii et Mairei). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:252-265. 451 Ak15No
Text in Russian.
- 51972 LIPCHITS, S. YU. Revisio critica specierum nonnullarum generis *Jurinea* a Cl. J. Bornmüller descriptarum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:333-340. 451 Ak15No
Text in Russian.
- 51973 LUONG, N. T. Species novae generis *Castanopsis* Spach florum Vietnamensis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:102-110. 451 Ak15No
Text in Russian.
- 51974 MACFARLANE, E. W. E. The old problem of species in *Rosa* with special reference to North America. Amer. Rose Annu. 51:150,155-160. Ref. 1966. 81 Am31A
- 51975 MAKAROVA, Z. I. Contribution to the history of the genus *Liquidambar* L. 19 p. Transl. 15470
Translation from *Botanicheskii Zhurnal* 42(8):1182-1195. 1957.
- 51976 MALYSHEV, L. I. De plantis novis et raris e montibus Sajanensibus orientalibus. 4. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:293-298. 451 Ak15No
Text in Russian.
Includes n. sp. in *Oxytropis*.
- 51977 MANDENOVA, I. P. Nota de specie *Rosa pisi-formis* (Christ) Sosn. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:144-147. Ref. 451 Ak15No
Text in Russian.
- 51978 MANNING, W. E. New combinations and notes on *Engelhardia* (Juglandaceae) of the Old World. Torrey Bot. Club. Bull. 93(1):34-52. Ref. Jan./Feb.1966. 451 T63B
Taxonomy of Asian species.
- 51979 MARKLUND, G. Der *Ranunculus auricomus*-komplex in Finnland. II. Diagnosen und Fundortlisten einiger sippen von *R. fallax* (W. & GR) Schur, *R. monophyllus* Ovcz. and *R. cassubicus* L. [The *Ranunculus auricomus*-complex in Finland. II. Diagnoses and list of habitats of some progenies of *R. fallax* (W. & GR) Schur, *R. monophyllus* Ovcz. and *R. cassubicus* L.]. Soc. Fauna Flora Fenn. Flora Fenn. 4,198 p. Ref. Dec.1965. 450 F665
- 51980 MATEEV, V. I. A new location for *Nymphaea tetragona* Georgi in the European part of the USSR. 2 p. Transl. 15233
Translation from *Botanicheskii Zhurnal* 47(7):1046-1047. 1962.
- 51981 MINATULLAYEV, N. A. Specific independence and geographic range of some species of *Artemisia* L. in the Caucasus and the Ukraine. (Ukr) Ukr. Bot. Zhur. 21(6):69-75. Ref. 1964. 450 J8212J
English summary.
- 51982 MOORE, H. E. Palm hunting around the world. Principes 10(1):13-21. Jan.1966. 80 P932
Includes varieties; in Australia.
- 51983 NAPPER, D. M. Cyperaceae of east Africa. III. East Afr. Natur. Hist. Soc. Nat. Mus. J. 25(1):1-27. Jan.1965. 410.9 Ea73
- 51984 NORDBORG, G. Species boundaries in the *Sanguisorba minor* complex. (Sw) Bot. Not. 118(4):447-448. 1965. 450 B656
- 51985 NORLINDH, T. *Arctotis venusta* T. Norl. spec. nova, an ornamental plant from southern Africa. Bot. Not. 118(4):403-411. 1965. 450 B656
- 51986 OLLGAARD, B. A new find of *Carex chordorrhiza*. (Da) Bot. Tidsskr. 61(1/2):113. 1965. 450 B654
- 51987 OOSTSTROOM, S. J. VAN, and REICHGELT, T. J. On the appearance of *Crepis sancta* (L.) Bab. in the Netherlands. (Du) Gorteria 3(2):13-16, map. Ref. Mar.1,1966. 450 G68
English summary.
- 51988 OOSTSTROOM, S. J. VAN, and REICHGELT, T. J. *Scleranthus polycarpus* new to Netherlands. (Du) Gorteria 3(2):28-29. Mar.1,1966. 450 G68
English summary.
- 51989 OREDSSON, A. Vascular plants in the parish of Stoby. (Sw) Bot. Not. 118(4):361-372, map. 1965. 450 B656
English summary.
- 51990 ORLOVA, N. I. Species littoralis nova generis *Sonchus* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:343-348. 451 Ak15No
Text in Russian.

- 51991 PAT'ZAK, A., and RECHINGER, K. H. *Plantaginaceae*. Graz, Akademische Druck- u. Verlagsanstalt, 1965. 23 p., map. (Flora iranica. Flora des iranischen Hochlandes und der umrahmenden Gebirge, Lfg. 15) 460.17 F66
Text in German.
- 51992 PIERGENTILI, D., and GARCIA, R. C. A. *Ioichroma cyaneum* (Lindley) M. L. Green, *Solanacea* little grown in Argentina. (Sp) La Plata, Univ. Nac. Fac. Agron. Rev. 41(1a):141-143. 1954, pub. 1965. 9 R32
Plant description.
- 51993 PIMENOV, M. G. *Angelica anomala* Ave-Lall. in Oriente Extremo. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:207-209, map. 451 Ak15No
Text in Russian.
- 51994 PIMENOV, M. G. De speciebus sectionis *Coelepleurum* (Ledeb.) M. Pimen. generis *Angelica* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:195-206, map. Ref. 451 Ak15No
Text in Russian.
- 51995 PIS'YAUKOVA, V. V. Notae de genere *Swertia* L. 3. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:267-278, map. Ref. 451 Ak15No
Text in Russian.
Includes n. spp.
- 51996 PLOEG, D. T. E. VAN DER. *Rhus radicans* L. in Friesland. (Du) *Gorteria* 3(2):30-31. Mar. 1, 1966. 450 G68
English summary.
- 51997 POBEDIMOVA, E. G. Addenda prima ad elaborationem generis *Tripleurospermum* Sch. Bip. in "Flora URSS." Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:241-245. 451 Ak15No
Text in Russian.
Includes n. spp.
- 51998 POBEDIMOVA, E. G. Addenda secunda ad elaborationem generis *Salvia* L. in "Flora URSS." Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:279-282. 451 Ak15No
Text in Russian.
Includes n. sp.
- 51999 POBEDIMOVA, E. G. Genus *Cakile* Mill. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:90-128. 451 Ak15No
Text in Russian.
Taxonomy.
- 52000 POLSKA AKADEMIA NAUK. INSTYTUT BOTANIKI. Atlas flory polskiej i ziem oscienych. (Florae polonicae terrarumque adiacentium iconographia), Tom VI, zeszyt 5: *Polygonaceae* (Pars. 1) [Atlas of flora of Poland and neighboring areas, Volume VI, number 5: *Polygonaceae* (Part 1)], by J. Madalski. Warszawa, Panstwowe Wydawnictwo Naukowe, 1965. 40 p. 450 P76
- 52001 POPOV, N. A. *Quercus crispula* Blume in the southern Kuril Islands. (Rus) Bot. Zhur. [Moscow] 50(11):1629-1632. Nov. 1965. 451 R923
- 52002 POPOVA, T. N. Species novae Caucasicae subsectionis *Comosae* Maxim. generis *Pedicularis* L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:223-229. 451 Ak15No
Text in Russian.
- 52003 PORSILD, A. E. The genus *Antennaria* in eastern Arctic and subarctic America. Bot. Tidsskr. 61(1/2):22-55, map. 1965. 450 B654
- 52004 POYARKOVA, A. I. De systemate generis *Crataegi* L. orientis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:151-174. Ref. 451 Ak15No
Text in Russian.
Includes n. spp.
- 52005 POYARKOVA, A. I. Generis *Crataegus* L. duae species novae e Polonia. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:130-140. 451 Ak15No
Text in Russian.
- 52006 POYARKOVA, E. I. Species novae generis *Poa* L. e Tauria. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:51-54. 451 Ak15No
Text in Russian.
- 52007 PROKHANOV, YA. I. Conspectus systematis *Euphorbiarum* URSS addenda et corrigenda. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:226-237. Ref. 451 Ak15No
Text in Russian.
- 52008 PROTOPOPOVA, V. V. New data on the taxonomic composition of the genus *Xanthium* L. in the Ukraine. (Ukr) Ukr. Bot. Zhur. 21(4):78-84, map. Ref. 1964. 450 J8212J
English summary.
- 52009 RABCEWICZ-WOJCICKA, A., and MASSICOT, J. The flavonoids in the wood of *Intsia bijuga* O. Katze and its chemotaxonomic interest. (Fr) Acad. Sci. Compt. Rend. 261(21):4540-4543. Nov. 22, 1965. 505 P21
- 52010 RAHN, K. *Plantago turficola*, species nova brasiliensis. Bot. Tidsskr. 61(1/2):80-81. 1965. 450 B654
Text in Danish.
- 52011 READ, R. W. *Coccothrinax inaguensis*—a new species from the Bahamas. Principes 10(1):29-35. Jan. 1966. 80 P932
- 52012 REBRISMAYA, O. V. Genus *Castilleja* Mutis in Eurasia. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:283-311, map. Ref. 451 Ak15No
Text in Russian.
Includes n. spp.
- 52013 RECHINGER, K. H. *Campanulaceae*. Flora Iran. 13, 51 p. June 28, 1965. 460.17 F66
Text in German.
- 52014 RIEDL, H. *Pinaceae*. Graz, Akademische Druck- u. Verlagsanstalt, 1965. 9 p., map. (Flora iranica. Flora des iranischen Hochlandes und der umrahmenden Gebirge, Lfg. 14) 460.17 F66
Text in German.
- 52015 RITTER, F. *Notocactus horstii* Ritter spec. nova. (Du) *Succulenta* 45(1):3-4. Jan. 1966. 450 Su12
- 52016 RODENBORG, L. A new locality for *Stipa pennata* in Falbygden, Vastergotland, southwestern Sweden. (Sw) *Svensk Bot. Tidskr.* 59(3):381-386. Ref. 1965. 450 Sv2
- 52017 ROZHKOVA, O. I. De speciebus Afghanicis generis *Psylliostachys* (Jaub. et Sp.) Nevski. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:210-219, map. 451 Ak15No
Text in Russian.
- 52018 RZHAVITIN, V. N. New species of *Solanum*. (Rus) Mordovskii Universitet. Uchenye Zapiski 39:9-13. 1964. (Not in Libr.)
Hybrids of *S. guineense* and *S. luteum*. Abstracted in Ref. Zh. Biol. 19(sect. V):25. Oct. 1965. 241.7 R25
- 52019 SAGHIR, A. R. B. Volatiles in *Allium*. Diss. Abs. 26(3):1308-1309. Sept. 1965. 241.8 M58
As a taxonomic character.
- 52020 SAULESCU, N. New data on the taxonomy of wheat. (Rum) *Probl. Agr. [Bucharest]* 17(8):71-73. Aug. 1965. 21 R862
- 52021 SCHIMBERG, U. Review of the historical development of the *Dialypetalae*. (Ge) *Praktikantenbriefe* 10(9):65-69. Sept. 1964. 396.8 P882
Taxonomy.

- 52022 SCHWEITZER, H. J. Contribution to the flora of Svalbard. (Ge) Norsk Polarinst. Arbok 1964:139-148. 1966. 502 N812
English summary.
- 52023 SEREDIN, R. M. Generis Roegneria C. Koch species nova e Caucaso septentrionali. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:55-56. 451 Ak15No
Text in Russian.
- 52024 SHAW, E. A. Taxonomic revision of some Australian endemic genera of Cruciferae. Roy. Soc. S. Australia. Trans. 89:145-253, map. Ref. Dec. 1965. 514 Ad3
Includes n. spp. in Arabidella, and Harmsiodoxa.
- 52025 SHECHTER, Y. Morphologic and electrophoretic evidence of introgression in Oryzopsis hymenoides (Gramineae). Diss. Abs. 26(8): 4188. Feb. 1966. 241.8 M58
- 52026 SKVORTSOV, A. K. Salices novae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:90-97. 451 Ak15No
Text in Russian.
- 52027 SLIZIK, L. N. De speciebus nonnullis criticis generis Berberis L. ex Asia Media. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:79-89, map. Ref. 451 Ak15No
Text in Russian.
- 52028 SMOLKO, S. S. Acroptilon picris (Pall.) C.A.M. in the Ukrainian Polessye. (Ukr) Ukr. Bot. Zhur. 21(4):104. 1964. 450 J8212J
- 52029 SMULDERS-AUSEMS, J. M. Orchidaceae from Surinam. (Du) Orchideen (n.s.) 28(2):31-32. Apr. 1966. 80 Or182
- 52030 SPARRE, B. Linne's Tropaeolum-species and their history. (Sw) Bot. Not. 118(4):448-449. 1965. 450 B656
- 52031 TENGNER, J. Dacrydium-anatomy and taxonomy. Bot. Not. 118(4):450-452. 1965. 450 B656
Includes n. spp.
- 52032 TODD, M. A. The distribution of Eucalyptus species in portion of County Stanley, South Australia. Roy. Soc. S. Australia. Trans. 89: 25-34, map. Ref. Dec. 1965. 514 Ad3
- 52033 TOMLINSON, P. B., PARTHASARATHY, M. V., and VARGO, G. A. Collecting-palm style. Principes 10(1):6-13. Jan. 1966. 80 P932
In Florida.
- 52034 TSVELEV, N. N. De genere Calamagrostis Adans. in URSS notulae systematicae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:5-50. 451 Ak15No
Text in Russian.
Includes n. spp.
- 52035 TSVELEV, N. N. De genere Colpodium Trin. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:5-19. 451 Ak15No
Text in Russian.
Taxonomy.
- 52036 TSVELEV, N. N. Eragrostis diarrhena (Schult.) Steud. a remarkable relict species of the Volga delta. (Rus) Bot. Zhur. [Moscow] 50(11):1632-1635. Nov. 1965. 451 R923
- 52037 TSVELEV, N. N. De Gramineis nonnullis dubiis atque eis pro parte Europaea URSS novis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:20-30. 451 Ak15No
Text in Russian.
- 52038 TSVELEV, N. N. Quod est Pyrethrum baumannii Stev.? Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:312-313. 451 Ak15No
Text in Russian.
Redescribed as Anthemis altissima.
- 52039 UL'YANOVA, T. N. Species nova Medicaginis e Turcomania. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:175-177. 451 Ak15No
Text in Russian.
- 52040 VASIL'EV, V. N. Generis Betula L. species nova ex elevatione Medirossica. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:98-101. 451 Ak15No
Text in Russian.
- 52041 VASIL'EV, V. N. Species novae Africanicae generis Trapa L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:175-194. 451 Ak15No
Text in Russian.
- 52042 VOLKOVA, E. V. Ad cognitionem Claytoniae sibiricae L. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965: 114-117. 451 Ak15No
Text in Russian.
- 52043 WALSSSEN, C. A. VAN. Late blooming [Anemone nemorosa]. (Du) Levende Natuur 68(11): 287. Nov. 1965. 410 L57
October 3rd.
- 52044 WANG, T. F. The Calamagrostis epigejos (L.) Roth and its allies in the Sung-la-ping-yuan region of North-eastern China (Manchuria). (Ch) Acta Phytotaxonom. Sinica 10(4):305-314. Oct. 1965. 450 C43
New sp. in Calamagrostis.
- 52045 WEMPLE, D. K. Revision of the genus Petalostemon (Leguminosae). Diss. Abs. 26(9):4998. Mar. 1965. 241.8 M58
Includes n. sp.
- 52046 WENDELBO, P. Caprifoliaceae. Graz, Akademische Druck- u. Verlagsanstalt, 1965. 16 p. map. (Flora iranica. Flora des iranischen Hochlandes und der umrahmenden Gebirge, Lfg. 10) 460 17 F66
Text in German.
- 52047 WENDELBO, P. Primulaceae. Flora Iran. 9, 37 p. Mar. 31, 1965. 460.17 F66
Text in German.
- 52048 WESTMAN, G. Some orchid finds in the Solleftea district. (Sw) Svensk Bot. Tidskr. 59(3): 387-388. 1965. 450 Sv2
German summary.
- 52049 WIGER, J. Botanical investigations at the "limes norrlandicus." (Sw) Svensk Bot. Tidskr. 59(3):261-331, map. Ref. 1965. 450 Sv2
English summary.
- 52050 WU, C. Y., and CHOU, H. Duo taxa nova Labiatarum. (Ch) Acta Phytotaxonom. Sinica 10(3): 249-255. July 1965. 450 C43
Includes n. spp. in Wenchengia (n. g.) and Heterolamiun (n. g.).
- 52051 WU, C. Y., and others. Materiae ad floram Labiatarum sinensium. 2. (Ch) Acta Phytotaxonom. Sinica 10(3):215-242. July 1965. 450 C43
H. W. Li, H. C. Hsuan, and Y. C. Huang, joint authors.
New spp. in Lagochilus, Stachys, Melissa, Hyssopus, Orthodon, Comanthosphace, Keiskea, Dysophylla, Hanceola and Coleus.
- 52052 YURTSEV, B. A. Conspectus systematis sectionis Baicalia Bge. generis Oxytropis DC. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:191-218. Ref. 451 Ak15No
Text in Russian.
Includes n. spp.
- 52053 YURTSEV, B. A. Plantae novae e Jacutia orientali. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965: 307-322. 451 Ak15No
Text in Russian.
Includes n. spp. in Papaver, Cardamine, Astragalus, and Vicia.

- 52054 YUZEPCCHUK, S. V. Nova species generis *Alchemilla* L. e montibus Alatau Dzhungaricus. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1965:141-143. 451 Ak15No
Text in Russian.

- 52055 ZAVERUKHA, B. V. New and rare birch species of Ukrainian flora. (Ukr) Ukr. Bot. Zhur. 21(5):78-86, map. Ref. 1964. 450 J8212J
English summary.

- 52056 ZAIKONNIKOVA, T. I. De Hydrangeacearum familiae dispositione separata. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:139-144. Ref. 451 Ak15No
Text in Russian.

- 52057 ZAIKONNIKOVA, T. I. De speciebus generis *Deutzia* Thunb. e subseccione *Grandiflorae* Rehd. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Vyssh. Rast. 1964:132-138. 451 Ak15No
Text in Russian.

- 52058 ZIMAN, S. M. Some interesting and rare plants from the environs of the village Yassinya, Transcarpathian Region. (Ukr) Ukr. Bot. Zhur. 21(4):102-104. 1964. 450 J8212J
Spermatophytes.

- 52059 ZUBKOVA, I. G. Anatomical structure of the petiole in Vitaceae; its taxonomic and evolutionary significance. (Rus) Bot. Zhur. [Moscow] 50(11):1556-1567. Ref. Nov. 1965. 451 R923
English summary.

Pteridophytes

- 52060 CHING, J. C. *Asplenium unilaterale* Lam. and its confused species in China. (Ch) Acta Phytotaxonom. Sinica 10(3):183-191. July 1965. 450 C43
Includes n. spp.

- 52061 CHING, J. C. Some new nomenclatural combinations of ferns. (Ch) Acta Phytotaxonom. Sinica 10(4):301-304. Oct. 1965. 450 C43

- 52062 CHING, J. C. Two new names for Chinese ferns. (Ch) Acta Phytotaxonom. Sinica 10(3):192. July 1965. 450 C43

- 52063 VOIRIN, B., and LEBRETON, P. Chemotaxonomic studies on vascular plants: the presence of biflavone in *Psilotum triquetrum* Swartz. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):707-709. Ref. Feb. 7, 1966. 505 P21

Bryophytes

- 52064 ABRAMOV, I. I., ABRAMOVA, A. L., and DUDA, I. Ad floram caucasicam Hepaticarum (Bakuriani). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:275-280. 451 Ak15N
Text in Russian.

- 52065 ABRAMOV, I. I., ABRAMOVA, A. L., and DUDA, I. Ad floram caucasicam Hepaticarum (reservatum publicum Teberdens). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:280-285. 451 Ak15N
Text in Russian.

- 52066 ABRAMOVA, A. L., and ABRAMOV, I. I. Musci e faucibus Kondara (Tadzhikistania). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:325-341. Ref. 451 Ak15N
Text in Russian.

- 52067 BROTHERRUS, V. F. De speciebus novis Muscorum e parte asiatica URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:273-277. 451 Ak15N
Text in Russian.
In *Physcomitrium* and *Drummondia*.

- 52068 EREMINA, N. KH. *Funaria attenuata* (Dicks.) Lindb. et *Orthotrichum laevigatum* Zett.—species novae ad bryofloram URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:318-324, map. Ref. 451 Ak15N
Text in Russian.

- 52069 GAEVAYA, N. V. Ad cognitionem Ricciae rhennanae Lorb. in flora Hepaticarum URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:251-255, map. 451 Ak15N
Text in Russian.

- 52070 GAYEVAYA, N. V. Data on the flora of liverworts of the southern Ukraine. (Ukr) Ukr. Bot. Zhur. 21(5):73-77. Ref. 1964. 450 J8212J
English summary.

- 52071 GODVINSKII, M. I. Bryological investigations in Kazakhstan. (Rus) Alma-Ata. Akademiya Nauk. Institut Botaniki. Gerbarii. Botanicheskie Materialy, 3:93-98. 1965. 451 AL632
Cited in Ref. Zh. Biol. 21(sect.V):12. Nov. 1965. 241.7 R25

- 52072 KOROTKEVICH, L. S. Musci hepatici in vicinis oppidi Tobolsk. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:224-233. 451 Ak15N
Text in Russian.

- 52073 LADYZHENSKAYA, K. I. Ad cognitionem *Lepicolea fryei* H. Perss. e *Jakutia* et *Neohattoria herzogii* Kamim. ex insulis Kurilensibus. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:256-264, map. Ref. 451 Ak15N
Text in Russian.

- 52074 LADYZHENSKAYA, K. I., and VASIL'EVA, L. N. *Conocephalum supradecompositum* (Lindb.) Steph. var. *propaguliferum* Mass. pro flora Hepaticarum URSS novum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:265-269, map. Ref. 451 Ak15N
Text in Russian.

- 52075 LADYZHENSKAYA, K. I., and ZINOV'EVA, L. A. *Frullania bolanderi* Aust. in flora Hepaticarum URSS minus cognita. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:269-275, map. Ref. 451 Ak15N
Text in Russian.

- 52076 LADYZHENSKAYA, K. I., and GAEVAYA, N. V. *Riccia huebeneriana* Lindenb. (Hepaticae) in flora URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:220-224. Ref. 451 Ak15N
Text in Russian.

- 52077 LYMAN, E. L., and COLEMAN, B. B. The bryoflora of the Genesee Country, New York. 3. A preliminary survey of the bryophytes of Orleans County. *Bryologist* 69(1):118-124. Spring 1966. 450 B84
Hepaticae and Musci.

- 52078 MAASS, W. S. G. Studies on the taxonomy and distribution of *Sphagnum*. I. *Sphagnum pylaesii* and *Sphagnum angermanicum* in Quebec and some phytogeographic considerations. *Bryologist* 69(1):95-100. Ref. Spring 1966. 450 B84

- 52079 MAASS, W. S. G. To the knowledge of *Sphagnum angermanicum* in Europe. (Ge) *Svensk Bot. Tidskr.* 59(3):332-344. Ref. 1965. 450 Sv2
English summary.

- 52080 MAMATKULOV, U. K. Contribution to the flora of leafy mosses on northern slopes of Turkestan Ridge and their distribution between plants groups. (Rus) Akad. Nauk Tadzh. SSR. Otd. Biol. Nauk. Izv. 3(17):21-26. 1964. 20 Ak132
Abstracted in Ref. Zh. Biol. 21(sect.V):11. Nov. 1965. 241.7 R25

- 52081 MILLER, N. G. Noteworthy Hepaticae from New York State. *Bryologist* 69(1):115-118. Spring 1966. 450 B84

- 52082 ROBINSON, H. New or little known mosses from the eastern United States. *Bryologist* 69 (1):105-109. Spring 1966. 450 B84
Bartleya ohioensis n. g., n. sp. and Bryum reedii n. sp.
- 52083 ROBINSON, H. The status of the moss genus *Rehingerella*. *Bryologist* 69(1):112-113. Spring 1966. 450 B84
Rehingerella macedonica considered to represent *Weissia controversa* with diseased archegonia.
- 52084 SAVICH-LYUBITSKAYA, L. I. *Barbula johansenii* Williams—species nova ad bryofloram URSS. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:286-292, map. Ref. 451 Ak15N
Text in Russian.
- 52085 SAVICH-LYUBITSKAYA, L. I., and SMIRNOVA, Z. N. *De Grimmia antarctici* Card. ex *Antarctide orientalis*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:251-258. Ref. 451 Ak15N
Text in Russian.
- 52086 SAVICH-LYUBITSKAYA, L. I. *De nomenclatura Tortulae scabrinervis* Lazar. ex *Asia media*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:251. 451 Ak15N
Text in Russian.
- 52087 SAVICH-LYUBITSKAYA, L. I., and SMIRNOVA, Z. N. *De speciebus Pottiae Fuernr. in Antarctica inventis supplementa*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:258-259. 451 Ak15N
Text in Russian.
- 52088 SAVICH-LYUBITSKAYA, L. I., and SMIRNOVA, Z. N. *Notula de Bryo argenteo Hedw. ex Antarctica*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:292-301. Ref. 451 Ak15N
Text in Russian.
- 52089 SAVICH-LYUBITSKAYA, L. I., and SMIRNOVA, Z. N. The representant of deep water species *Plagiothecium* Br. et Sch. (*P. simonovii* sp. n.) in Antarctica. (Rus) *Sov. Antarkt. Ekspeditsiya. Inform. Byul.* 49:33-39. 1964. (Not in NAL)
Cited in Ref. *Zh. Biol.* 21(sect.V):12. Nov. 1965. 241.7 R25
- 52090 SAVICH-LYUBITSKAYA, L. I. *Supplementa nova de Barbula perobtusa* (Broth.) Chen. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:245-250. 451 Ak15N
Text in Russian.
- 52091 SMIRNOVA, Z. N. *De Seligeria campylopoda* Kindb. in URSS. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:259-265. Ref. 451 Ak15N
Text in Russian.
- 52092 SMIRNOVA, Z. N. *Mnium confertidens* (Lindb. et Arn.) Par. et species ei affines. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:301-317, map. Ref. 451 Ak15N
Text in Russian.
- 52093 WELCH, W. H. The *Hookeriaceae* of Mexico. *Bryologist* 69(1):1-68. Ref. Spring 1966. 450 B84
Includes *Callicostella mexicana* n. sp.
- 52094 ZEROV, D. K. The problems of phylogeny of liverworts (*Hepaticopsida*). (Rus) *Bot. Zhur.* [Moscow] 51(1):3-14. Ref. Jan. 1966. 451 R923
English summary.
- 52095 ADEY, W. H. The genus *Clathromorphum* (*Corallinaceae*) in the Gulf of Maine. *Hydrobiologia* 26(3/4):539-573. Ref. Nov. 30, 1965. 410 H992
- 52096 AKSENOVA, E. I. Observations on "flowering" caused by blue-green algae in waters of the lower Don River. (Rus) *In Ekologiya i fiziologiya sinezelenykh vodorslei* 1965:114-122. (Not in Libr.)
Abstracted in Ref. *Zh. Biol.* 19(sect.D):34-35. Oct. 1965. 241.7 R25
- 52097 ARSENISHVILI, V. G. Data on the study of the phytoplankton of Tkibuli Reservoir. (Geo) *Gidrobiologiya i ikhtologiya vnutrennykh vodemov Gruzii* 1:19-33. 1964. (Not in Libr.)
Russian summary.
Abstracted in Ref. *Zh. Biol.* 19(sect.D):37. Oct. 1965. 241.7 R25
- 52098 ASMUND, B., and HILLIARD, D. K. Studies on Chrysophyceae from some ponds and lakes in Alaska. IV. Occurrence of a *Mallomonopsis* species in brackish water. *Hydrobiologia* 26 (3/4):521-526. Nov. 30, 1965. 410 H992
Mallomonopsis elliptica.
- 52099 AZIZ, K. M. S. *Acrochaetium* and *Kylinia* in the southwestern North Atlantic Ocean. *Diss. Abs.* 26(9):4989. Mar. 1966. 241.8 M58
Includes n. spp.
- 52100 BABAEV, G. B. Phytoplankton on the western coast of Caspian Sea. (Rus) *In Gidrobiol. i ikhtol. issled. na Yuzhn. Kaspii i vnutr. vodoe-makh Azerbaidzhana* 1965:15-27. (Not in Libr.)
Abstracted in Ref. *Zh. Biol.* 21(sect.D):24. Nov. 1965. 241.7 R25
- 52101 CARDINAL, A. Etude sur les ectocarpacees de La Manche [Study on the Ectocarpaceae from the English Channel]. *Nova Hedwigia. Beih.* 15, 86 p. 1964. 450 N852
Bibliography, p. 81-86.
Includes n. spp. in *Acinetospora* and *Kuckuckia*.
- 52102 COOK, P. W. UVM scientists study algae, the tiniest plants. *Vt. Farm Home Sci.* 8(2):10. Fall 1965. 100 V593
- 52103 DANGEARD, P. A new genus of the Phaeophyceae: *Giraudyopsis* n. gen. (*Giraudyopsis stellifer* n. sp.). (Fr) *Acad. Sci. Compt. Rend.* 261(14):2699-2701. Oct. 4, 1965. 505 P21
- 52104 DATSKO, V. G., and VASIL'EVA, V. L. Yearly production of phytoplankton in the Tsimlyansk Reservoir. (Rus) *Akademiya Nauk SSSR. Gid-rokhimicheskii Institut. Gidrokhimicheskie materialy* 36:75-83. 1964. 389.6 Ak1
Cited in Ref. *Zh. Biol.* 19(sect.D):37. Oct. 1965. 241.7 R25
- 52105 DATSKO, V. G., and VASIL'EVA, V. L. Yearly production of the phytoplankton in Tsimlyanskaya water reservoir. (Rus) *Gidrokhim. Materialy* 36:75-83. 1964. 389.6 Ak1
Abstracted in Ref. *Zh. Biol.* 21(sect.D):27. Nov. 1965. 241.7 R25
- 52106 DUSSART, B. H. The different categories of the plankton. (Fr) *Hydrobiologia* 26(1/2):72-74. Aug. 16, 1965. 410 H992
- 52107 ERMOLAEVA, L. M. Blue-green algae in ponds of Omsk Region. (Rus) *In Ekologiya i fiziologiya sinezelenykh vodorslei* 1965:145-150. (Not in Libr.)
Abstracted in Ref. *Zh. Biol.* 19(sect.D):39. Oct. 1965. 241.7 R25
- 52108 ETTL, H. *Euglena middelhoeckii* nov. sp. (Ge) *Hydrobiologia* 26(1/2):170-172. Aug. 16, 1965. 410 H992
- 52109 ETTL, H. New species in the genus *Pyramimonas* Schmarla. (Ge) *Hydrobiologia* 26 (3/4):484-500. Nov. 30, 1965. 410 H992
English summary.
- 52110 GAUKHMAN, Z. S., and RYABOV, F. P. Population dynamics of blue-green algae and saprophytic bacteria in the middle Dnieper River after the building of the Kremenchuk Reservoir (Rus) *In Ekologiya i fiziologiya sinezelenykh Vodorslei* 1965:79-85. (Not in Libr.)
Abstracted in Ref. *Zh. Biol.* 19(sect.D):37. Oct. 1965. 241.7 R25

Algae

- 52111 GORBENKO, YU. A., and KUCHEROVA, Z. S. Correlation of diatomic algae and bacilliform bacteria in primary layer of overgrowth in sea. (Rus) Sevastopol'skaya Biol. Sta. im. A. O. Kovalevskogo. Trudy 15:485-492. 1964. 442.9 Se2
Abstracted in Ref. Zh. Biol. 21(sect.D):29. Nov.1965. 241.7 R25
- 52112 HARRIS, K. The genus Mallomonopsis. J. Gen. Microbiol. 42(2):175-184. Ref. Feb.1966. 448.3 J823
Includes n. sp.
- 52113 KARAEVA, N. I. Diatomeae novae e mari Caspico. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:30-34. 451 Ak15N
Text in Russian.
Includes n. spp. in Navicula.
- 52114 KHMELEVA, N. N. Chrysophyta e stagnis Balticae nova et pro URSS rara. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:14-18. 451 Ak15N
Text in Russian.
Includes n. sp. in Kephyrion.
- 52115 KOBLENTS-MISHKE, O. I., and KOZLYANINOV, M. V. Vertical distribution of phytoplankton and its transparency in the northern part of the Pacific. (Rus) Akad. Nauk SSSR. Dokl. 166(2):459-461. 1966. 511 P444A
- 52116 KOGAN, S. I., and GORBAN', V. E. Ad floram Desmidiacearum in aquariis Turkomaniae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:19-30. Ref. 451 Ak15N
Text in Russian.
- 52117 KONDRAT'EVA, N. V. Present state of the problem of the distribution of blue-green algae in waters of the Ukrainian SSR. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:53-68. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):34. Oct.1965. 241.7 R25
- 52118 KRISTIANSEN, J. Occurrence and ecology of Chrysolykos planctonicus, a chrysomonad with sexual reproduction. Bot. Tidsskr. 61(1/2):98-105. Ref. 1965. 450 B654
- 52119 KUZMINA, A. I. De habitatione nova Chaetocercis subtilis Cl. var. abnormis (Pr.-Lav.) Pr.-Lav. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:43-46. 451 Ak15N
Text in Russian.
In Yellow Sea.
- 52120 MAKAROVA, I. V., and PROSHKINA-LAVRENKO, A. I. Diatomeae novae e mari Caspico. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:34-43. 451 Ak15N
Text in Russian.
Includes n. spp. in Podosira, Sceletonema, Stephanodiscus, and Chaetoceros.
- 52121 MASHTAKOVA, G. P. Effect of river discharges on development of phytoplankton in northwestern part of Black Sea. (Rus) Azovo-Chernomorsk. N.-I. In-t Morsk. Rybn. KH-v a i Okeanogr. Tr. 23:55-67. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.D):23. Nov.1965. 241.7 R25
- 52122 MEIER, K. I., and SKABICHEVSKII, A. P. Genus novum Cladophoracearum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:41-44. 451 Ak15N
Text in Russian.
Cladochaete n. g.
- 52123 MUKHINA, V. V. De speciebus Diatomearum novis e depositibus partis aequatorialis oceani Pacifici. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:22-25. 451 Ak15N
Text in Russian.
In Thalassiosira, Rhizosolenia and Fragilariopsis.
- 52124 OHL, L. E. Diatoms of Iowa farm ponds. Diss. Abs. 26(9):4995. Mar.1966. 241.8 M58
- 52125 PERESTENKO, L. P. Genus Acrosiphonia J. Ag. ad litus Murmanicum (mare Barentz). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:50-64. Ref. 451 Ak15N
Text in Russian.
Taxonomy.
- 52126 PERESTENKO, L. P. Index algarum litorum sinuum Plochiye et Boljschie Czevry (Murmans orientalis). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:139-146. 451 Ak15N
Text in Russian.
- 52127 PETROV, YU. E. Ad taxonomiam classis Cyclosporophycearum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:146-149. 451 Ak15N
Text in Russian.
- 52128 PETROV, YU. E. De Chlorochytrio in Ascoseira mirabili Skotts. in insula Zavodovskii invento. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:149-151. 451 Ak15N
Text in Russian.
- 52129 PETROV, YU. E. De positione familiae Durvilleacearum et systematica classis Cyclosporophycearum (Phaeophyta). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:70-72. 451 Ak15N
Text in Russian.
- 52130 PETROV, YU. E. Fucus distichus L. emend. Powell et F. evanescens C. Ag. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:64-70. 451 Ak15N
Text in Russian.
- 52131 POPOVA, T. G. Characteristics of algae habitats of water reservoirs in western Siberia, according to geographical zones. (Rus) Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr. 8:21-34. 1964. 451 N853
Abstracted in Ref. Zh. Biol. 21(sect.V):2. Nov.1965. 241.7 R25
- 52132 POST, E. Bostrychia scorpioides in tropical West Africa. (Ge) Hydrobiologia 26(1/2):301-306, map. Aug.16,1965. 410 H992
- 52133 PROSHKINA-LAVRENKO, A. I. De identificatione specierum Chaetoceros delicatulus Ostf. et Ch. muelleri Lemm. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:26-29. Ref. 451 Ak15N
Text in Russian.
- 52134 SHALAR', V. M., and NABEREZHNYI, A. I. The role of blue-green algae in waters of the Moldavian SSR. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:108-113. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):34. Oct.1965. 241.7 R25
- 52135 SKABICHEVSKII, A. P. Nonnullae Cladophoraceae e lacu Baical. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:44-50. 451 Ak15N
Text in Russian.
- 52136 STRICKLAND, J. D. H. Phytoplankton and marine primary production. Annu. Rev. Microbiol. 19:127-152. Ref. 1965. 448.3 An72
- 52137 THOMAS, J., and GONZALVES, E. A. Thermal algae of Western India. III-VII. Hydrobiologia 26(1/2):21-71. Aug.16,1965. 410 H992
Includes n. sp. in Surirella, Johannesbaptista, Trypanema and Oscillatoria in hot springs.
- 52138 USTYUZHANINA, L. A. Species nova Chlorogonii fluminis Selengae (Transbaicalia). Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:37-41. 451 Ak15N
Text in Russian.
- 52139 VINOGRADOVA, K. L. Index algarum ad litora insularum Ainov (Litus Murmanicum) lectarum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:120-125. 451 Ak15N
Text in Russian.

- 52140 VINOGRADOVA, K. L. Species algarum pro Murmano novae. II. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:114-119. 451 Ak15N
Text in Russian.
- 52141 VOZZHINSKAYA, V. B. Algae fluitantes (Sargassaceae) in parte centrali oceani Pacifici occidentalis inventae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:153-162, map. 451 Ak15N
Text in Russian.
- 52142 VOZZHINSKAYA, V. B. Algae marinae litoris occidentalis peninsulae Kamczatka. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:73-78. Ref. 451 Ak15N
Text in Russian.
- 52143 VOZZHINSKAYA, V. B. Algae pro insula Sachalin ignotae. II. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:151-153. 451 Ak15N
Text in Russian.
- 52144 ZAUER, L. M. De loco Vaucheriae in systemate algarum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:7-14. Ref. 451 Ak15N
Text in Russian.
- 52145 ZHUZE, A. P. Species Diatomearum Antarcticae novae et minus cognitae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:3-9. Ref. 451 Ak15N
Text in Russian.
Includes n. spp. in Thalassiosira, Coscinodiscus, and Hemidiscus.
- 52146 ZINOVA, A. D., and PERESTENKO, L. P. Alga rubra nova parasitica e mari Caspico. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:132-138. 451 Ak15N
Text in Russian.
Laurenciocolax n. g., parasitic on Laurencia hybrida.
- 52147 ZINOVA, A. D. Algae nonnullae e mari Nigro e collectione Professoris Hausknechtii. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:127-132. Ref. 451 Ak15N
Text in Russian.
- 52148 ZINOVA, A. D., and ZABERZHINSKAYA, E. B. Species algarum pro mari Caspico novae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:97-100. 451 Ak15N
Text in Russian.
- 52149 ZINOVA, A. D. Species familiae Delesseriacearum (Rhodophyta) in parte septentrionali oceani Pacifici. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:78-97. Ref. 451 Ak15N
Text in Russian.
Includes n. sp. in Hypophyllum.
- 52150 ZINOVA, A. D. Species nova Laminariae apud oras insulae Sachalin. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:125-126. 451 Ak15N
Text in Russian.
- Fungi (Including Lichens)**
- 52151 AKRAMOVA, R. KH. New species of lichens from the Western Pamirs. (Rus) Akad. Nauk Tadzhikskoi SSR. Doklady 8(4):38-40. 1965. 511 Ak193D
Diploschistes pseudoscriposus n. sp. and Rinodina marginata n. sp.
Abstracted in Ref. Zh. Biol. 19(sect.V):13, Oct. 1965. 241.7 R25
- 52152 ALMBORN, O. The species concept in lichen taxonomy. Bot. Not. 118(4):454-457. Ref. 1965. 450 B656
- 52153 ARPIN, N. Chemotaxonomy of mushrooms; the presence of carotene in Clitocybe venustissima (Fries) Sacc. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):347-349. Ref. Jan. 17, 1966. 505 P21
- 52154 BONDARSEV, A. S., and LYUBARSKII, L. V. Polyporaceae rariae et pro parte Asiatica URSS ignotae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:175-186. 451 Ak15N
Text in Russian.
- 52155 BONDARTSEV, A. S., and LYUBARSKII, L. V. Species nonnullae Polyporacearum novae Orientis Extremi. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:135-147. 451 Ak15N
Text in Russian.
In Piptoporus, Fomitopsis, and Phellinus.
- 52156 BONDARTSEVA, M. A. Polyporacearum et Aporpiacearum regionis Leningradensis species et formae novae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:186-195. Ref. 451 Ak15N
Text in Russian.
- 52157 BONDARTSEVA, M. A. Species Aphyllophoracearum pro URSS novae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:131-134. 451 Ak15N
Text in Russian.
- 52158 BREZHNEV, I. E. Species novae fungorum ex ordine Ustilaginales. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:196-197. 451 Ak15N
Text in Russian.
In Urocystis.
- 52159 BRODO, I. M. The lichens of Long Island, New York: a vegetational and floristic analysis. Diss. Abs. 26(8):4192. Feb. 1966. 241.8 M58
- 52160 BUNKINA, I. A., and KOVAL', E. Z. Fungi Imperfecti nonnulli novi e regione Primorskensis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:216-218. 451 Ak15N
Text in Russian.
In Phyllosticta and Diplodia.
- 52161 CAVALIERE, A. R. Marine Ascomycetes: Ascomorphology and its application to taxonomy. Diss. Abs. 26(8):4192. Feb. 1966. 241.8 M58
- 52162 CULBERSON, W. L. The lichen genus Aspidelia Stirt. Bryologist 69(1):113-114. Spring 1966. 450 B84
Aspidelia beckettii and A. wattii identified as Parmelia tenuirima and Cetraria sanguinea, respectively.
- 52163 CULBERSON, W. L. Recent literature on lichens. 57. Bryologist 69(1):134-137. Spring 1966. 450 B84
- 52164 CUMMINS, G. B., and HUSAIN, S. M. The rust fungi on the genus Aristida. Torrey Bot. Club. Bull. 93(1):56-67. Ref. Jan./Feb. 1966. 451 T63B
Uredinales; includes n. spp. in Puccinia.
- 52165 DEGELIUS, G. The lichen flora of Hald Egeskov (Jutland); a contribution to the natural history of the remaining oak woods in Denmark. (Da) Bot. Tidsskr. 61(1/2):1-21, map. Ref. 1965. 450 B654
English summary.
- 52166 DICK, M. W. The Saprolegniaceae of the environs of Blelham Tarn: sampling techniques and the estimation of propagule numbers. J. Gen. Microbiol. 42(2):257-282, map. Ref. Feb. 1966. 448.3 J823
- 52167 DZHALAGONIYA, K. T. Species fungorum pycnidialium novae pathogenae in Abchasia collectae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:156-163. 451 Ak15N
Text in Russian.
In Phyllosticta, Phoma, Phomopsis, Coniothyrium, Hendersonia and Septoria.
- 52168 FURTADO, J. S. Ganoderma colossum and the status of Tomophagus. Mycologia 57(6):979-984. Ref. Nov./Dec. 1965. 450 M99
Includes morphology.

- 52169 GOLOVIN, P. N. Genus *Cystotheca* Berk. et Curt. et locus eiusdem in familia Erysiphaceae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:162-166. 451 Ak15N
Text in Russian.
- 52170 GOLOVINA, N. P. Notulae systematicae de Fungis Imperfectis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:212-214. 451 Ak15N
Text in Russian.
- 52171 GOLOVINA, N. P. Species novae hyphalium ex Asia media. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:210-212. 451 Ak15N
Text in Russian.
In *Didymaria*, *Ramularia* and *Cercospora*.
- 52172 GOLUBKOVA, N. S. Analysis geographica florum lichenum districtus floristici Volgensis superioris. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:179-193. Ref. 451 Ak15N
Text in Russian.
- 52173 GOLUBKOVA, N. S., and SAVICH, V. P. *Gyrophora decussata* (Vill.) A. Z. in sectore orientali Antartididae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:225-235. 451 Ak15N
Text in Russian.
- 52174 GOLUBKOVA, N. S., and SAVICH, V. P. Lichen Arcticus novus. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:169-172. 451 Ak15N
Text in Russian.
In *Gasparrinia*.
- 52175 GOLUBKOVA, N. S., and SAVICH, V. P. Species familiae *Acarosporaceae* e parte orientali Antartidis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:173-178. 451 Ak15N
Text in Russian.
Includes n. sp. in *Acarospora*.
- 52176 GUTSEVICH, S. A. Representatives of tropical species of fungi unknown in the USSR as relicts of Tertiary flora of the Crimea. (Rus) *Leninograd, Universitet, Vestnik* 21:51-63. 1964. 511 L549
English summary.
Abstracted in Ref. Zh. Biol. 19(sect.V):11. Oct.1965. 241.7 R25
- 52177 HANUS, L. Bicolor or purple blewitt. (Cz) *Mykol. Sb.* 42(7/8):106. Oct.1965. 450 C27
On scientific and common names of *Tricholoma personatum*.
- 52178 HASEGAWA, T. A report on the taxonomy of red to orange *Rhodotorula*. Osaka. Inst. Ferment. Annu. Rep. 2:1-25. Ref. 1963/64, pub. 1965. 390.9 Os1
- 52179 HASIJA, S. K. Additions to the fungi of Jabalpur (Madhya Pradesh). V. *Mycopathol. Mycol. Appl.* 28(1/2):33-41. Jan.31.1966. 450 M994
Plant pathogens; includes *Hendersonia syzygii* n. sp., *Phoma ixorae* n. sp., and *Phyllostica agarwalii* n. sp.
- 52180 HINO, I., and KATUMOTO, K. Notes on some new species of fungi collected in the Ryukyu Archipelago. *Yamaguti. Univ. Fac. Agr. Bull.* 15:505-516. 1964. 107.6 Y14
New spp. in *Actinopelte*, *Apiospora*, *Arthrobotryum*, *Didymosphaeria*, *Diplodia*, *Hymenochaete*, *Melanconium*, *Metasphaeria*, *Microthyrium*, *Pestalotia*, *Strasseria* and *Volutellaria*.
- 52181 HINO, I., and KATUMOTO, K. Studies on fungi parasitic on introduced foreign trees in Japan. I. A new species of the genus *Lophiosphaera* on *Cunninghamia lanceolata* Hook. *Yamaguti. Univ. Fac. Agr. Bull.* 15:517-522. 1964. 107.6 Y14
Lophiosphaera orientalis, n. sp.
- 52182 HORENSTEIN, E. A. Photomorphogenesis in a new aquatic fungus, *Blastocladiella britannica*. *Diss. Abs.* 26(8):4193-4194. Feb.1966. 241.8 M58
- 52183 IMAZAKI, R., and HONGO, T. *Zoku genshoku nippon kinrui zukan* [Colored illustrations of fungi of Japan]. Vol. 2. Osaka, Hoikusha, 1965. 235 p. Qk609.J314
- 52184 INASHVILI, TS. N. *Collema callopismum* Mass. species nova ad lichenofloram URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:250-251. 451 Ak15N
Text in Russian.
- 52185 JANEX-FAVRE, M. C. The *Pyrenomyces Pharcidia* gyrophorarum living on lichens and the systematic position of the genus *Pharcidia* Korber. (Fr) *Acad. Sci. Compt. Rend.* 261 (22):4803-4806. Nov.29.1965. 505 P21
- 52186 KACHROO, J. V. *Pestalotia brassicicola* sp. nov. from India. *Mycopathol. Mycol. Appl.* 28(1/2):129-132. Jan.31.1966. 450 M994
Cause of black spot in cauliflower.
- 52187 KACHROO, J. V. Three new species of *Haplosporella* Speg. from India. *Mycopathol. Mycol. Appl.* 28(1/2):49-54. Jan.31.1966. 450 M994
Haplosporella gardeniae n. sp., *H. lantanæ* n. sp., and *H. sesbaniae* n. sp. on *Gardenia gumefera*, *Lantana camara*, and *Sesbania aegyptica* respectively.
- 52188 KAMYSHKO, O. P. *Ascomycetes novi e terris Asiae Mediae*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:115-122. 451 Ak15N
Text in Russian.
In *Thielavia*.
- 52189 KAMYSHKO, O. P. *Fungus novus ex ordine Coremiales e terra regionis leningradensis selectus*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:206-207. 451 Ak15N
Text in Russian.
In *Coremiopsis*.
- 52190 KATUMOTO, K. *Atichiaceae* newly found in Japan. (Ja) *Yamaguti. Univ. Fac. Agr. Bull.* 15:551-558. Ref. 1964. 107.6 Y14
English summary.
- 52191 KHALIMOV, M. KH. Characteristics of *Erysiphe cichoracearum* D.C.f. *nicotianae* Jecz. in stadium of mycelium. (Rus) *Samarkandsk. Un-t Tr.* 151:58-61. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 21(sect.V):6. Nov.1965. 241.7 R25
- 52192 KLINGSTEDT, F. W. *Über Farbenreaktionen von Flechten der Gattung Usnea* [On the color reaction of lichens of the *Usnea* genus]. *Acta Bot. Fenn.* 68,23 p. Ref. 1965. 451 H36A
Its use in taxonomy.
- 52193 KOMAGATA, K., and NAKASE, T. New species of the genus *Candida* isolated from frozen foods. *J. Gen. Appl. Microbiol.* 11(3):255-267. Ref. Sept.1965. 448.3 J824
- 52194 KOVAL', E. Z. *De fungo novo Cordyceps pentatomi notula*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:166-168. 451 Ak15N
Text in Russian.
- 52195 KOVAL', E. Z. Species novae generis *Diplodina* e regione Primorskensi. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:214-216. 451 Ak15N
Text in Russian.
- 52196 LLANO, G. A. A new species of *Umbilicaria*. *Bryologist* 69(1):109-111. Spring 1966. 450 B84
Umbilicaria saviczii n. sp. from Antarctica.
- 52197 MAKINEN, Y. On the evolutionary relationships of the Finnish *Phragmidium* species. *Bot. Not.* 118(4):452-454. 1965. 450 B656
- 52198 MEL'NIK, V. A. *De nominibus corrigendis specierum nonnullarum Phyllostictae et Septoriae*. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:152-156. 451 Ak15N
Text in Russian.

- 52199 MEL'NIK, V. A. Species novae et rarae Fungorum Imperfectorum parasiticorum. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:149-152. 451 Ak15N
Text in Russian.
Includes n. spp. in Phyllosticta, Septoria, and Cercospora.
- 52200 MIL'KO, A. A. De specie nova e genere Talaromyces Benjamin. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:208-210. 451 Ak15N
Text in Russian.
- 52201 MIL'KO, A. A. Species nova et rarae Eurotiacearum in aqua inventae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:122-125. 451 Ak15N
Text in Russian.
Includes n. sp. in Westerdykella.
- 52202 MORRIS, E. F. Studies on the synnematus Fungi Imperfecti. I. Mycopathol. Mycol. Appl. 28(1/2):97-101. Jan.31,1966. 450 M994
Pseudographiella variaseptata n. sp. n. g., Phramographium ulmi n. sp. n. g., and Dendrostilbella n. sp.
- 52203 MULLER, T. Die Flechten der Eifel mit Berücksichtigung der angrenzenden Ardennen und der Kölner Bucht [Lichens of the Eifel with reference to the adjoining Ardennes and the Cologne embayment]. Decheniana. Beih. 12, 72 p., map. Ref. Oct.1965. 509 B64
Includes ecology.
- 52204 MUNK, A. On some species of Endoxyla recently found in Denmark. Bot. Tidsskr. 61 (1/2):56-70. 1965. 450 B654
Includes n. spp.
- 52205 MUNK, A. Taxonomic criterions. (Sw) Bot. Not. 118(4):457-458. 1965. 450 B656
Fungi.
- 52206 NAKHUTSRISHVILI, I. G. De Laccaria laccata (Fr.) Cooke notula. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:195. 451 Ak15N
Text in Russian.
- 52207 NIKOGOSYAN, V. G. Species nova generis Dermatocarpon ex Armenia. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:205-207. 451 Ak15N
Text in Russian.
- 52208 NIKOLAEVA, T. L. Hydnacearum species nova et species in USSR primum inventae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:168-175. 451 Ak15N
Text in Russian.
Includes n. sp. in Sarcodon.
- 52209 OHARA, Y., NONOMURA, H., and YAMAZAKI, T. Candida incommunis sp. nov., a new yeast isolated from grape must. J. Gen. Appl. Microbiol. 11(3):273-275. Sept.1965. 448.3 J824
- 52210 PAVGI, M. S., and GIRI, B. K. A new species of Zundelula from India. Mycopathol. Mycol. Appl. 28(1/2):141-144. Jan.31,1966. 450 M994
Zundelula thirumalacharii n. sp., smut of Scirpus supinus.
- 52211 PAVLENKO, V. F., and MIL'KO, A. A. De Mucore kanivcevi Pavl. et Milko sp. nov. et M. luteo Linnemann in URSS inventis. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:101-104. 451 Ak15N
Text in Russian.
- 52212 PAVLENKO, V. F., and MIL'KO, A. A. Mucor kanivcevi Pavl. et Milko sp. nov. and M. luteus Linnemann, isolated in USSR. (Rus) In Novosti sistematiki nizshikh rastenii 1965:101-104. 451 Ak15N
Cited in Ref. Zh. Biol. 21(sect.V):6. Nov. 1965. 241.7 R25
- 52213 PITERANS, A. V. Species lichenum novae Latviae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:217-220. 451 Ak15N
Text in Russian.
- 52214 POTLAICHUK, V. I. Duae species novae Fungorum in glandibus inventae. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:218-220. 451 Ak15N
Text in Russian.
In Macrophoma and Cytonema.
- 52215 RAJDERKAR, N. R. Occurrence of two powdery mildews on balsam, Impatiens balsamina L. Mycopathol. Mycol. Appl. 28(1/2):149-152. Jan.31,1966. 450 M994
Oidium balsaminae n. sp. and Oidiopsis balsaminae n. sp.
- 52216 RAO, P. R., and RAO, D. A new Subramania from Hyderabad. Mycopathol. Mycol. Appl. 28(1/2):16-18. Jan.31,1966. 450 M994
Subramania microspora n. sp.
- 52217 RAO, R. Fungi on Lantana camara Linn. Mycopathol. Mycol. Appl. 28(1/2):133-136. Jan.31,1966. 450 M994
Includes Ophiobolus lantanae n. sp.
- 52218 RAO, R. A new species of Teichospora from India. Mycopathol. Mycol. Appl. 28(1/2):63-64. Jan.31,1966. 450 M994
Teichospora lantanae n. sp. on Lantana camara.
- 52219 RAO, R. Some additions to Fungi of India. I. Mycopathol. Mycol. Appl. 28(1/2):45-48. Ref. Jan.31,1966. 450 M994
- 52220 RAO, R. Two new species of Haplosporella from India. Mycopathol. Mycol. Appl. 28(1/2):68-70. Jan.31,1966. 450 M994
Haplosporella aurangabadensis n. sp. on Cryptostegia grandiflora and H. nyctanthidis n. sp. on Nyctanthes arbor-tristis.
- 52221 RAO, V. G. The genus Phyllosticta in Bombay-Maharashtra. VI. Mycopathol. Mycol. Appl. 38(1/2):19-22. Jan.31,1966. 450 M994
Includes Phyllosticta cyamopsidis n. sp.
- 52222 RASSADINA, K. A. De Hypogymnia physode (L.) Nyl. et H. duplicata (Sm.) Rassad. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:198-205. Ref. 451 Ak15N
Text in Russian.
- 52223 RASSADINA, K. A. Evernia cirrhata (Fr.) Rassad. comb. nov. in URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:194-198, map. Ref. 451 Ak15N
Text in Russian.
- 52224 RASSADINA, K. A. Menegazzia Mass. in URSS. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:235-250, map. Ref. 451 Ak15N
Text in Russian.
Distribution and taxonomy.
- 52225 REID, D. A. New or interesting records of British Hymenomycetes. III. Brit. Mycol. Soc. Trans. 48(4):513-537. Ref. Dec.1965. 451 B76
Includes Agaricales and Aphyllophorales, and new spp. in Leptoglossum, Nolanea, and Typhula.
- 52226 ROMS, E. G. Taxonomic position of lichenes Coniocarpales. (Ukr) Ukr. Bot. Zhur. 21(5):65-72. Ref. 1964. 450 J8212J
English summary.
- 52227 RYABKOVA, K. A. Lichenes epiphytici principales jugi Uralensis "Denezhkin Kamenj." Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:207-217. Ref. 451 Ak15N
Text in Russian.
- 52228 SAHNI, V. P. Some foliicolous ectoparasites and associated fungi from Jabalpur (M. P.) [Madhya Pradesh]. II. Mycopathol. Mycol. Appl. 28(1/2):23-32. Ref. Jan.31,1966. 450 M994
Includes n. spp. in Pyrenochaeta, Chaetothyrum, and Myiocopron.

- 52229 SANTESSON, R., and CULBERSON, W. L. The typification of the homonymic generic names *Platisma* (*Platysma*) proposed for lichens. *Bryologist* 69(1):100-104. Ref. Spring 1966. 450 B84
Ramalina pollinaria as the lectotype for *Platisma* [Hill?] Adans. and *Platysma* [Hill] Hill; *Cetraria sepincola* as the lectotype for *Platisma* Hoffm.
- 52230 SAVICH, V. P. De forma *Cetrariae cucullatae* (Bell.) Ach. f. *minuscule* Elenk. et Savicz. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:223-225. 451 Ak15N
 Text in Russian.
- 52231 SAVICH, V. P. *Lichenotheca Rossica* (regionibus confinibus completa). Edidit Institutum Botanicum nomine V. L. Komarovii, Academiae Scientiarum URSS. XIV. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:220-223. 451 Ak15N
 Text in Russian.
- 52232 SAVICH, V. P. *Lichenotheca Rossica* (regionibus confinibus completa). Edidit Institutum Botanicum nomine V. L. Komarovii Academiae Scientiarum URSS. XV. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:163-166. 451 Ak15N
 Text in Russian.
- 52233 SAVICH, V. P. Species nova generis *Cladonia*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:166-168. 451 Ak15N
 Text in Russian.
- 52234 SERGEEVA, K. S. De *Chaetomio toruloso* Bain. et speciebus affinis notula. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:104-115. 451 Ak15N
 Text in Russian.
 Includes n. sp. in *Chaetomium*.
- 52235 SMITS'KA, M. F. Cup fungi (Pezizales) found in Crimea. (Ukr. Bot. Zhur. 21(4): 108-110. Ref. 1964. 450 J8212J
- 52236 SYRGII, P. G. Species novae et rariae *Uredinalium* e Moldavia. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:200-202. 451 Ak15N
 Text in Russian.
 Includes n. sp. in *Puccinia*.
- 52237 TEWARI, V. P., and PANT, D. C. A reinvestigation of *Ciliochorella mangiferae* Sydow. *Mycopathol. Mycol. Appl.* 28(1/2):185-190. Jan.31,1966. 450 M994
- 52238 TILAK, S. T., and RAO, R. Contribution to our knowledge of Ascomycetes of India. III-V. *Mycopathol. Mycol. Appl.* 28(1/2):81-94. Ref. Jan.31,1966. 450 M994
 R. Rao, joint author of Pt.V.
 Includes n. spp. in *Odontotrema*, *Amphisphaeria*, *Leptosphaeria*, *Gnomoniella*, *Tryblidaria*, *Pringsheimia*, *Calospora*, and *Ragnisiella*.
- 52239 TILAK, S. T. A new species of *Sphaerostilbe* and its spermatogonial stage. *Mycopathol. Mycol. Appl.* 28(1/2):42-44. Jan.31,1966. 450 M994
Sphaerostilbe acaciae n. sp. collected on *Acacia arabica*.
- 52240 TOMILIN, B. A. De fungis nonnullis Ascomycetibus saprophyticis et Fungis Imperfectis in regione Kurskensi. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:128-130. 451 Ak15N
 Text in Russian.
- 52241 TOMILIN, B. A. De specie nova Fungi Imperfecti *Orientis Extremi*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:147-148. 451 Ak15N
 Text in Russian.
 In *Taeniophora*.
- 52242 TOMILIN, B. A. De specie nova *Uredinalium* ex *Oriente Extremi*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:202-203. 451 Ak15N
 Text in Russian.
 In *Uromyces*.
- 52243 TOMILIN, B. A. De taxonomia specierum nonnullarum generis *Mycosphaerella* in strobilis *Coniferarum*. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1965:125-127. Ref. 451 Ak15N
 Text in Russian.
- 52244 TUBAKI, K. Contribution towards the fungus flora of Australia and New Zealand. *Osaka. Inst. Ferment. Annu. Rep.* 2:39-62. Ref. 1963/64, pub. 1965. 390.9 Os1
 Taxonomy and ecology.
- 52245 VASIL'EVA, L. N. Useful fungi of the Primorskii Krai. (Rus) *Okhrana prirody na Dal'nem Vostoke* 2:63-67. 1964. (Not in Libr.)
 Edible mushrooms.
 Abstracted in *Ref. Zh. Biol.* 19(sect.V):9. Oct.1965. 241.7 R25
- 52246 WANG, Y. C. New species of graminicolous rust fungi from China. (Ch) *Acta Phytotaxonom. Sinica* 10(4):291-299. Oct.1965. 450 C43
 New spp. in *Puccinia*, *Uromyces* and *Uredo*.
- 52247 WEBER, W. A. The lichen flora of Colorado. 2. *Pannariaceae*. *Colo. Univ. Stud. Ser. Biol.* 16,10 p. June 1965. 442.9 C71
- 52248 WETMORE, C. M. The lichen flora of the Black Hills of South Dakota and Wyoming. *Diss. Abs.* 26(9):4999. Mar.1966. 241.8 M58
- 52249 ZENKOVA, E. YA. Species nova generis *Melampsora* Cast. in *Salice* L. *Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast.* 1964:197-199. 451 Ak15N
 Text in Russian.

PATHOLOGY

General

- 52250 BALAZS, K. B. Protection of our raspberries. (Hu) *Kerteszet Szolesz.* 15(4):13. Feb.1966. 80 K474
 Disease and pest control.
- 52251 BEACH, O. R. Fertilizers and disease/insect problems. *Amer. Rose Annu.* 51:31-34. 1966. 81 Am31A
 Includes chemical control of the diseases and insects.
- 52252 BESEMER, A. F. H. Hints for contract sprayers in fruit culture. (Du) *Loonbedrijf Land-Tuinbouw* 18(5):427,429. (Cont.) May 1965. 283.8 L87
- 52253 BESEMER, A. F. H. Hints for contract sprayers in fruit culture. (Du) *Loonbedrijf Land-Tuinbouw* 18(6):521. (Cont.) June 1965. 283.8 L87
- 52254 BESEMER, A. F. H. Hints for contract sprayers in fruit culture. (Du) *Loonbedrijf Land-Tuinbouw* 18(7):589,591. July 1965. 283.8 L87
- 52255 BESEMER, A. F. H. Hints for contract sprayers in fruit culture. (Du) *Loonbedrijf Land-Tuinbouw* 18(9):717. (Cont.) Sept.1965. 283.8 L87
- 52256 BESEMER, A. F. H. Review of disease control in 1965, an inspiration for the coming spraying season. (Du) *Loonbedrijf Land-Tuinbouw* 19(1):73,75. Jan.1966. 283.8 L87
- 52257 BLODGETT, E. C., and AICHELE, M. D. The blister bark disease of Red Delicious apple trees. *Plant Dis. Rep.* 49(9):765-768. Sept. 1965. 1.9 P69P
 Washington State; cause unknown.
- 52258 BLODGETT, E. C., and AICHELE, M. D. Crater canker, a bark disease of Golden Delicious apple trees. *Plant Dis. Rep.* 50(1):3-5. Jan. 1966. 1.9 P69P
 Washington State; cause unknown.
- 52259 BOUSH, G. M., and others. 1966 apple disease and insect control. *Wis. Univ. Ext. Spec. Circ.* 101,7 p.-folder. Jan.1966. 275.29 W75S
 J. D. Moore, C. F. Koval, and E. K. Wade, joint authors.
 Chemical control.

- 52260 BOUSH, G. M., and others. 1966 strawberry disease and insect control. Wis. Univ. Ext. Spec. Circ. 103,7 p.-folder. Jan.1966. 275.29 W75S
D. M. Boone, C. F. Koval, and E. K. Wade, joint authors.
Chemical control.
- 52261 BRADFORD, M. The insecticide and fungicide conference. I. Agr. Merchant 46(1):50-52. Jan.1966. 10 Ag89
Summaries of papers presented at the Third British Insecticide and Fungicide Conference at Brighton.
- 52262 BRADFORD, M. The insecticide and fungicide conference. II. Agr. Merchant 46(2):50-52. Feb.1966. 10 Ag89
Summaries of papers presented at the Third British Insecticide and Fungicide Conference at Brighton.
- 52263 BREMER, H. Phytopathologist abroad. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. 115:4-7. June 1965. 410.9 G31M
- 52264 BURGOS, J. J. Weather adversities. A. Frost. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:81-85. Oct.1965. 9 Id3
Study program for Argentina with reference to plant protection.
- 52265 CALIFORNIA FOREST PEST CONTROL ACTION COUNCIL. Forest pest conditions in California-1965. Sacramento, 1966. 20 p. 423.9 C122
Includes insect pests, diseases and wildlife pests.
- 52266 CAMPODONICO, M. J. Climate and pests and diseases. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:67-70. Oct.1965. 9 Id3
Of plants in Argentina.
- 52267 CANADA. DEPT. OF FORESTRY. FOREST ENTOMOLOGY AND PATHOLOGY BR. Annual report of the Forest Insect and Disease Survey, 1964. Ottawa, 1965. 141 p.,map. 423.92 C162
- 52268 CARTER, W., LATTA, R. K., and SUAH, J. R. R. The symptoms of lethal yellowing disease of coconut palms. FAO Plant Protect. Bull. 13(3):49-55. June 1965. 421 P692
Jamaica; cause undetermined.
- 52269 CASSELMAN, T. W., and others. Field evaluation of the electrostatic charging process for dusts. Amer. Soc. Agr. Eng. Pap. 647,17 p. 1965. 290.9 Am32P
C. Wehburg, W. G. Genung, and P. L. Thayer, joint authors.
For crop disease and pest control.
- 52270 CHAMBERLAIN, E. E., and others. Occurrence of "small fruit" condition of apples in New Zealand. New Zeal. J. Agr. Res. 9(1): 8-15. Feb.1966. 23 N4892
J. D. Atkinson, J. A. Hunter, and G. A. Wood, joint authors.
Cause undetermined.
- 52271 COLEMAN, V. R., and MCGLOHON, N. E. Georgia peach disease and insect control guide. Ga. Univ. Ext. Bull. 630,rev.,16 p. Jan.1966. 275.29 G29B
Chemical control.
- 52272 CRISPIN M., A., ALEJANDRO ORTEGA C, A., and GALLEGOS B., C. C. Enfermedades y plagas del frijol en Mexico [Diseases and pests of beans in Mexico]. Mex. Sec. Agr. Ganad. Inst. Nac. Invest. Agr. Folleto Divulgacion 33, 41 p. Sept.1964. 8 M577
- 52273 DAMARIO, E. A. Weather adversities. C. Hail. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:89-92. Oct.1965. 9 Id3
Research program for Argentina with reference to crop protection.
- 52274 DAVIS, S. H., and RACE, S. R. Sweet potato pest control. Rutgers State Univ. Ext. Leaflet. 335-A,3 p. Feb.1966. 275.29 N46L
Chemical control of diseases and insect pests.
- 52275 ENGLE, R. L., GABELMAN, W. H., and ROMANOWSKI, R. R. Tipburn, an ozone incited response in onion, *Allium cepa* L. Amer. Soc. Hort. Sci. Proc. 86:468-474. Ref. June 1965. 81 So12
- 52276 FARKAS, K., and GLITS, M. Plant protection of vegetable seedlings. (Hu) Kerteszet Szolész. 14(24):18-19. Dec.1965. 80 K474
Disease and pest control.
- 52277 FONCE, J. Training in plant quarantine procedure and techniques. S. Pacific Bull. 15(4):28-29,46. Oct.1965. 280.8 So89
- 52278 GAENKO, N. Plant protection in Netherlands. (Rus) Zashch. Rast. Vred. Boleznei 3:46-47. 1965. 421 Z1
Includes quarantine.
- 52279 GEGENAVA, G. V. Quantitative evaluation of phytotoxicity of pesticides. (Rus) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 37(3):685-692. 1965. 511 Ak146
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:51-52. July 1965. Film S-202
- 52280 GERMANY (FEDERAL REPUBLIC). BIOLOGISCHE BUNDESANSTALT FÜR LAND- UND FORSTWIRTSCHAFT. 35. Deutsche-Pflanzenschutz-Tagung in Wiesbaden, 12.-16. Oktober 1964 [35th German plant protection meeting in Wiesbaden, Oct. 12-14, 1964]. Berlin. Biol. Bundesanst. Land- Forstwirtschaft. 115,236 p. Ref. June 1965. 410.9 G31M
- 52281 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. The bullfinch. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 234,rev.,8 p. Dec.1965. 10 G79La
Behavior and control of this pest of fruit.
- 52282 GRIMALDI, J., and MILLA, E. Control of crop enemies in eastern Cameroun. (Fr) Cameroun Agr. Past. Forest. 85:35-52,map. Mar.1965. 24 C353
Diseases and pests.
- 52283 HAASE, H. Seed means "good" seed. (Ge) Tech. Landwirt. 18(2):34. Feb.1966. 58.8 T223
Chiefly on treatment.
- 52284 HARLER, C. R. Insecticides, fungicides, weedicides and fertilisers. I. Planters' Chron. 61 (3):49-51. Feb.1,1966. 22 P693
This part deals with use of insecticides and fungicides on tea in India.
- 52285 HINE, R. B., HOLTZMANN, O. V., and RABE, R. D. Diseases of papaya (*Carica papaya* L.) in Hawaii. Hawaii. Agr. Exp. Sta. Bull. 136,26 p. Ref. July 1965. 100 H313
Includes control.
- 52286 HIRATA, S., and KONO, A. Some studies on diseases of papaya and passion fruit in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1):273-295. Ref. Dec.1965. 22.5 M6932B
English summary.
- 52287 ITO, K. View of the development of forest pathology in Japan. I. (Ja) Jap. Forest Exp. Sta. Bull. 174:59-162. Ref.,p.153-162. Feb.1965. 99.8 R47
- 52288 JOHNSON, E. M., and others. Occurrence of certain plant diseases in Kentucky in 1965. Plant Dis. Rep. 50(4):218. Apr.1966. 1.9 P69P
L. Henson, J. H. Smiley, and D. L. Hopkins, joint authors.
- 52289 JOSEPOVITS, GY. Application of aerosols in plant protection. (Hu) Mezogazdasagi Vilagirodalom 7(6):492-494. Ref. 1965. 19 M577
Review of literature.
Insecticides, fungicides, and herbicides.
- 52290 JUNCU, V., and POPESCU, G. Determining proper date to bury grapes in vineyards of Iasi. (Rum) Gradina Via Livada 14(9):28-32. Sept.1965. 80 G75
For cold protection.
- 52291 KAPUSTINSKII, A. Testing the quality of seed treatment. (Rus) Zashch. Rast. Vred. Boleznei 3:35. 1965. 421 Z1
Grain seeds with granosan.

- 52292 KENNARD, C. P. Pests and diseases of rice in British Guiana and their control. *FAO Plant Protect. Bull.* 13(4):73-78. Ref. Aug.1965. 421 P692
Includes insecticidal control of insect pests and chemicals for disease control.
- 52293 KNORR, L. C., and others. World citrus problems. IV. Venezuela. *FAO Plant Protect. Bull.* 12(6):121-128. Ref. Dec.1964. 421 P692
G. Malaguti, D. Serpa, and F. Leal, joint authors.
Diseases, insect pests, and weed control.
- 52294 KNOWLTON, G. F. Canning crops grower's field report of chemical pesticide application. *Utah. State Univ. Ext. Entomol. Mimeo Ser.* 72, 1 p. Jan.7,1966. 275.29 Ut1En
Questionnaire on field and orchard crops.
- 52295 KNOWLTON, G. F., and others. Official fruit pest control, Utah, 1966. *Utah. State Univ. Ext. Ext. Circ.* 299, rev., 64 p. Feb.1966. 275.29 Ut1
A. B. Call, D. W. Davis, G. W. Cochran, and R. S. Roberts, joint authors.
Chemical control; includes disease control.
- 52296 KOERT, J. L. Weed and pest control in onions. (Du) *Loonbedrijf Land- Tuinbouw* 19 (2):141,143. Feb.1966. 283.8 L87
Includes false mildew.
- 52297 LAL, K. B. Plant protection. *Bharat Krishak Samaj. Year Book* 1964:263-282. 22 B46
Control of diseases and pests.
- 52298 LATVLJAS PSR ZINATNU AKADEMIJA. INSTITUT BIOLOGII. Prognoz v zashchite rastenii ot vrediteli i boleznei [Forecasting in the protection of plants from pests and diseases]. Riga, Izdatel'stvo Akademii Nauk Latvinskoi SSR, 1964. 270 p., map. Ref. 464.9 R44
- 52299 LAUBER, H., KOBLET, W., and BURKI, T. Studies on the stem lameness of grape. (Ge) *Schweiz. Z. Obst- Weinbau* 102(4):89-95. Ref. Feb.19,1966. 80 Sch9
Causal agent not definitely identified.
- 52300 LE NAIL, F. Protection of crops. (Fr) *Pay-sans* 10(58):113-119. Feb./Mar.1966. 14 R323
General use of economic poisons in France.
- 52301 LEONE, I. A., BRENNAN, E., and DAINES, R. H. Sulfur dioxide causes injury to foliage in spring months. *N. J. Agr.* 47(5):12-15. Sept./Oct.1965. 275.28 N46
An air pollutant.
- 52302 LOGAN, C. Heel-end necrosis. *Agr. Northern Ireland* 40(2):46-47. June 1965. 256.13 Ag82M
Tuber damage caused by sodium chlorate.
- 52303 MACNISH, G. C. Vegetable seed treatments. *West. Australia. Dep. Agr. J. (ser.4)* 6(12):721-724. Dec.1965. 23 W52J
- 52304 MALLET, C. Trials on protection of rape and sunflower plantations. (Fr) *Oleagineux* 20(10):595-598. Oct.1965. 77.8 OL2
Disease, pest and weed chemical control.
- 52305 MARTINEZ, A. P. Lethal yellowing of coconut in Florida. *FAO Plant Protect. Bull.* 13(2):25-29. Ref. Apr.1965. 421 P692
Cause unknown.
- 52306 MCDANIEL, M. C., and WALTERS, H. J. Soybean diseases and their control. *Ark. Univ. Ext. Leaflet* 292, rev., 12 p.-folder. Jan.1966. 275.29 Ar4Le
- 52307 MCGLOHON, N. E., and HARRIS, E. D. Georgia apple disease and insect control guide. *Ga. Univ. Ext. Bull.* 643, rev., 12 p. Jan.1966. 275.29 G29B
Chemical control.
- 52308 MELI, T. The European red-backed mouse—a new pest of our nurseries and fruit cultures. (Ge) *Schweiz. Z. Obst- Weinbau* 102(4):103-106. Feb.19,1966. 80 Sch9
- 52309 MEYLAN, A. The burrowings of three species of small mammals. (Fr) *Agr. Romande (ser.A)* 4(6):48. June 1965. 17 Ag8
Moles and fieldmice; plant pests.
- 52310 MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Chemical control of insects and diseases on commercial vegetables. *Mich. State Univ. Ext. Ext. Bull.* 312(sup.), 2 p. Mar.1966. 275.29 M58B
- 52311 MOLCHANOVA, Z. YA. The effect of the methods of protection of plants on the changes in yields of grapes. (Rus) *Agrobiologiya* 4:626-628. Aug.1965. 20 Ag822
Protection from cold.
- 52312 NEWTON, K. A. Plant protection report. *S. Pacific Bull.* 15(2):35-37, 44. Apr.1965. 280.8 So89
Quarantine.
- 52313 NIUCHI, K., and OKITSU, S. Studies on soil sickness in peas. I. Symptoms of soil sickness in peas and some experiments on the cause. (Ja) *Kurume. Hort. Res. Sta. Bull. Ser. D*, 3:57-78. Ref. Mar.1965. 87 K943
English summary.
Pathogen not known.
- 52314 NOYES, J. H., and WESTING, A. H. Current research on sugar maple decline at the University of Massachusetts. *Conn. Arborist* 18(2):5-6. Dec.1964. 99.9 C7633
Causal agent as yet unknown.
- 52315 ORGANISATION des Pflanzenschutzes in der Bundesrepublik und Berlin (West) [Organization of plant protection in the Federal Republic and West Berlin]. *Brunswick. Biol. Bundesanst. Land- Forstwirtschaft. Merkbl.* 13, ed. 7, 4 p. Aug. 1965. 464.9 B833M
Names and addresses of various institutes in Germany including the Biologische Bundesanstalt für Land- und Forstwirtschaft.
- 52316 PAP, M. Without plant protection all the other work is lost. (Hu) *Kerteszet Szolesz.* 15(5):3-5. Mar.1966. 80 K474
Disease and pest control of fruit and vegetables.
- 52317 POKORNY, B., and SUCHOMAN, K. Treatment of seeds. (Cz) *Za Vysokou Urodu* 14(1):8-9. Jan.12,1966. 64.8 Z12
Of field crops.
- 52318 RACE, S. R., and SPRINGER, J. K. Pest control recommendations for home orchards. *Rutgers State Univ. Ext. Spray Cal.* 90-C, 8 p. Mar.1966. 275.29 N46Sp
Chemical control of diseases and insect pests.
- 52319 RAO, D. N., LEBLANC, F. Effects of sulfur dioxide on the lichen alga, with special reference to chlorophyll. *Bryologist* 69(1):69-75. Ref. Spring 1966. 450 B84
Lichens as indicators of air pollution.
- 52320 RAVOAVY, R. Protection of crops in Madagascar. (Fr) *Bull. Madagascar* 15(234):896-906. Nov.1965. 280.8 B876
Organization of plant protection services.
- 52321 REICHART, G. Plant protection of raspberry. (Hu) *Kiskert* 1:4-5. In *Kerteszet Szolesz.* 15(4). Feb.1966. 80 K474
Disease and pest control.
- 52322 ROSSI, L. A. Climate and pests and diseases. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 214:70-73. Oct.1965. 9 Id3
Of plants in Argentina.
- 52323 SANDVED, M. The act on measures to prevent plant diseases and pests and regulations for the import of plants and parts thereof, etc. (No) *Norsk Planteskolelag* 11:40-43. 1965. 86 N812
- 52324 SASSER, P. E., SPLINTER, W. E., and BOWEN, H. D. The effect of relative humidity on the electrostatic charging process. *Amer. Soc. Agr. Eng. Pap.* 646, 22 p. 1965. 290.9 Am32P
Agricultural dusts.

- 52325 SCHAUB, P. Voles, important pests of fruit. (Ge) Schweiz. Z. Obst-Weinbau 101(26):668-669. Dec. 25, 1965. 80 Sch9
- 52326 SLEPIAN, E. I. The process of formation of intumescences in plants, as corresponding to blastomogenic processes in animals. (Rus) Akad. Nauk SSSR. Dokl. 166(1):242-245. Ref. 1966. 511 P444A
- 52327 SMITH, R. S., SCHARPF, R. F., and SCHNEEGAS, E. R. Frost injury to bitterbrush [*Purshia tridentata*] in eastern California. U. S. Forest Serv. Res. Note PSW-82, 4 p. 1965. A99.9 F7652
- 52328 STEFAN, N. Protection of vegetables. (Rum) Gradina Via Livada 14(5):10-13. May 1965. 80 G75
Pests and diseases.
- 52329 STERRENBURG, P. Voles, a continuous danger to our expensive plantings. (Du) Ned. Fruittelers Organ. Berichtenbl. 21(11/12):244-245. Nov./Dec. 1965. 95.8 N28
Injuries to fruit trees and control of voles.
- 52330 STORER, T. I., and JAMESON, E. W. Control of field rodents on California farms. Calif. Univ. Agr. Ext. Circ. 535, 50 p. Ref. July 1965. 100 C12S
- 52331 SZUCS, J. A szolo novenyvedelme [Protection of grapes]. Budapest, Mezogazdasagi Kiado, 1965. 123 p. Ref. SB608, G7S92
Chiefly disease and pest control.
- 52332 TOLEBAEV, A. Control of yellow susliks. (Rus) Zashch. Rast. Vred. Bolezni 3:21-22. 1965. 421 Z1
Pests of field crops.
- 52333 TSYGANKOV, A., KOTOV, R., and NEIPERT, YU. Plant protection model farms. (Rus) Zashch. Rast. Vred. Bolezni 3:11-15. 1965. 421 Z1
- 52334 UIFALEANU, A. Results obtained by the utilization of plant protection chemicals. (Rum) Probl. Agr. [Bucharest] 18(2):66-68. Feb. 1966. 21 R862
English summary, p. 3 of contents. Rumania.
- 52335 WIEHE, P. O. The control of sugar cane diseases in Mauritius. Sugar Journal 28(10):41-42, 45-46. Mar. 1966. 65.8 Su391
Various diseases; includes breeding for disease resistance.
- 52336 ZENTMYER, G. A., and others. Avocado diseases. Calif. Univ. Agr. Ext. Circ. 534, 11 p. July 1965. 100 C12S
A. O. Paulus, C. D. Gustafson, J. M. Wallace, and R. M. Burns, joint authors.
Includes control.
- Diseases Caused by Fungi
- 52337 ABDULLAEV, S. G., and GRUBMAN, YU. A. Contributions toward the study of the biology of the causal organism of powdery mildew in apples in the Azerbaidzhan SSR. (Rus) Vsesoyuznyi Institut Zashchity Rastenii. Azerbaidzhanskaya Stantsiya. Trudy 2:70-82. 1964. (Not in Libr.)
Podosphaera leucotricha.
Abstracted in Ref. Zh. Biol. 19(sect.V):7. Oct. 1965. 241.7 R25
- 52338 ALEXANDRU, A. V., DINESCU, I., and MARIN, A. Black mildew of onions. (Rum) Gradina Via Livada 14(9):85-87. Sept. 1965. 80 G75
Caused by *Aspergillus niger*; includes control.
- 52339 ALLEN, E. H. Steroid-glycoalkaloids in the disease resistance of white potato tubers. Diss. Abs. 26(3):1315. Sept. 1965. 241.8 M58
Helminthosporium carbonum.
- 52340 ANERUD, K. Stem rot [*Sclerotinia sclerotiorum*] on rape—*Fusarium* on grain. (Sw) Svensk Frotidn. 34(9):129-130. Sept. 15, 1965. 61.8 Sv2
- 52341 ARIMA, K., UOZUMI, T., and TAKAHASHI, M. Studies on the autolysis of *Aspergillus oryzae*. I-II. Agr. Biol. Chem. 29(11):1033-1050. Ref. Nov. 1965. 385 Ag8B
- 52342 ARSVOLL, K. Black spots on carrots—a threat to the production of carrots for storage. (No) Norsk Landbruk 19:8-9, 32, 36. Sept. 24, 1965. 11 N8122
Caused by *Acrothecium carotae*.
- 52343 AVERRE, C. W. Differential host-parasite relation between *Glycine max* and *Phytophthora megasperma* var. *sojae*. Diss. Abs. 26(3):1272-1273. Sept. 1965. 241.8 M58
- 52344 BAGYARAJ, J., and SIRSI, M. Antibiotic activity of *Sclerotium rolfsii* Sacc. Cur. Sci. 35(4):94-95. Feb. 20, 1966. 475 Sci23
Testing substances it produces on other pathogenic fungi and bacteria in laboratory.
- 52345 BALDACCI, E. Criteria in control of apple and pear scab. (It) Mantova 52:21-25. Jan./Feb. 1966. 287 M315
Venturia inaequalis and *V. pirina*, respectively.
- 52346 BARBU-DIACONESCU, V. Effectiveness of certain fungicides in the control of rust of roses (*Phragmidium disciflorum*—Tode—J. F. James). (Rum) Gradina Via Livada 14(8):65-70. Aug. 1965. 80 G75
- 52347 BARTNICKI-GARCIA, S. Chemistry of hyphal walls of *Phytophthora*. J. Gen. Microbiol. 42(1):57-69. Ref. Jan. 1966. 448.3 J823
Moulds *P. cinnamoni* and *P. parasitica*.
- 52348 BELL, D. K. Studies on root rot, stem necrosis, and blight of boxwood [*Buxus sempervirens suffruticosa*] caused by *Phytophthora parasitica* Dastur. Diss. Abs. 26(8):4161. Feb. 1966. 241.8 M58
- 52349 BENADA, J. The influence of pH of barley tissues on the symptoms caused by powdery mildew (*Erysiphe graminis* DC.). Phytopathol. Z. 54(2):185-192. Ref. Oct. 1965. 464.8 P562
- 52350 BEREND, I., and ROZSNYAI, ZS. D. Not everything that we think is *Clasterosporium*. (Hu) Kerteszeti Szulesz. 15(4):20-21. Feb. 1966. 80 K474
Damage, caused on fruit by improper application of fungicides.
- 52351 BERG, W. New results and views on pathogenicity and resistance in tracheomycoses. (Ge) Beitr. Biol. Pflanzen 41(2):301-322. Ref. p. 317-322. 1965. 450 C66
Review of the literature.
Wilt diseases, or hadromycoses.
- 52352 BLACK, L. L. Studies on anaerobic metabolism and photosynthesis in *Albugo candida* infected radish cotyledons. Diss. Abs. 26(9):4949-4950. Mar. 1966. 241.8 M58
- 52353 BLOSS, H. E. Physiologic responses of susceptible and resistant plant tissues attacked by the fungus, *Phymatotrichum omnivorum*. Diss. Abs. 26(3):1273. Sept. 1965. 241.8 M58
- 52354 BOCKSTAELE, L., and VULSTEKE, G. Control of diseases of *Scorzonera* give higher yields and better quality. (Fl) Tinbouwberichten 29(7):298. July 1965. 80 T817
Caused by *Albugo tragopogonis* and *Erysiphe cichoracearum*.
- 52355 BORMANN, E. J. Spectrographic studies on fungicidal effect of heavy metal chelates. (Ge) Arch. Mikrobiol. 53(1):12-16. 1966. 442.8 Ar26
Dialkylthiocarbamates tested on *Fusarium decemcellulare*.
- 52356 BOROVSKEYA, M. Transmission of *Peronospora* of tobacco by infected seeds. (Rus) Zashch. Rast. Vred. Bolezni 3:44-45. 1965. 421 Z1
- 52357 BOYCE, J. S. Sporulation by *Peniophora gigantea* with reference to control of [Fomes] anonos root rot. Forest. Sci. 12(1):2-7. Mar. 1966. 99.8 F7632
In pine.
- 52358 BROWN, W. M. A leaf spot disease of English holly caused by an undescribed species of *Sclerophoma*. Diss. Abs. 26(9):4950. Mar. 1966. 241.8 M58

- 52359 BRUIN, H. J. DE. Tin or copper in control of potato blight? (Du) Loonbedrijf Land- Tuinbouw 18(5):419,421. May 1965. 283.8 L87
- 52360 BRYAN, W. C. Testing shortleaf pine [*Pinus echinata*] seedlings for resistance to infection. U. S. Forest Serv. Res. Note SE-50,4 p. Nov. 1965. A99.9 F7623Un
Littleleaf disease and its connection with *Phytophthora cinnamomi*.
University of Georgia, cooperating.
- 52361 CARLSON, L. E. Studies on the root rot of peas caused by *Aphanomyces euteiches* Drechs. Diss. Abs. 26(9):4950-4951. Mar.1966. 241.8 M58
- 52362 CASSALETT-DAVILA, C. Screening for resistance to *Helminthosporium turcicum* Pass. in young corn plants. Diss. Abs. 26(9):4951. Mar.1966. 241.8 M58
- 52363 CAVALIE, G. Septoria of celery: nonvolatile organic acid, free amino acid and amide content of healthy and parasite infected plants. (Fr) Acad. Sci. Compt. Rend. 261(22):4833-4836. Nov.29,1965. 505 P21
- 52364 CEPONIS, M. J. Occurrence of *Geotrichum candidum* in western melons on the New York market. Plant Dis. Rep. 50(4):222-224. Apr. 1966. 1.9 P69P
California and Mexican melons.
- 52365 CHAMBERLAIN, D. W., and GERDEMANN, J. W. Heat-induced susceptibility of soybeans to *Phytophthora megasperma* var. *sojae*, *Phytophthora cactorum*, and *Helminthosporium sativum*. Phytopathology 56(1):70-73. Ref. Jan. 1966. 464.8 P56
- 52366 CHANTURIYA, N. N. Effectiveness of new fungicides against mildew on *Morus*. (Rus) Akad. Nauk. Gruzinskoi SSR. Soobshcheniya 36 (3):655-661. 1964. 511 Ak146
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:59. July 1965. Film S-202
- 52367 CHORIN, M., and JOFFE, A. Z. Fusariums of flowers and fruits of the banana tree in Israel. (Fr) J. Agr. Trop. Bot. Appl. 12(4/5): 214-215. Apr./May 1965. 26 J822
- 52368 CHRISTIE, T. The pathogenicity of seven isolates of *Verticillium* to tobacco. New Zeal. J. Agr. Res. 9(1):149-151. Feb.1966. 23 N4892
Verticillium albo-atrum and *V. dahliae*.
- 52369 CONSTANTINESCU, E., PUSCASU, A., and SINEAVSCHI, I. Control of the black scab of potatoes in the light of research carried out in Rumania. (Rum) Bucharest] 17(7):31-38. July 1965. 21 R862
Caused by *Synchytrium endobioticum*.
- 52370 CURTIS, C. R. Gravitational effects on plant disease. Diss. Abs. 26(9):4952. Mar.1966. 241.8 M58
Tests on inoculation of beans with *Uromyces phaseoli*.
- 52371 DASTUR, R. H., and BHATT, J. G. The uptake and distribution of nutrients by linseed plants (*Linum usitatissimum* L.) susceptible and resistant to Fusarium wilt. Indian J. Agr. Sci. 35 (3):186-195. Sept.1965. 22 Ag831
Mineral content.
- 52372 DEBRUCK, J. Investigations into the effects of straw manuring, green manuring and nitrogen manuring on basal stem diseases and yields in cereals. (Ge) Z. Acker- Pflanzenbau 123(1): 75-105. Ref. Dec.1965. 18 J825
English summary.
With special reference to *Cercospora herpotrichoides*.
- 52373 DEVAY, J. E., and others. Controlling Ceratocystis canker of stone fruit trees. Calif. Agr. 19(10):2-4. Oct.1965. 100 C12Cag
F. L. Lukezic, W. H. English, W. J. Moller, and B. W. Parkinson, joint authors.
Use of Cerano on tree wounds to control *Ceratocystis fimbriata*.
- 52374 DONGO D., S. L. Especies de *Fusarium* aisladas en algodónero [Species of *Fusarium* isolated from cotton]. Lima. Estac. Exp. Agr. La Molina. Bol. 8,15 p. Ref. July 1965. 102.5 L622B
English summary.
- 52375 DUBIN, H. J., and STALEY, J. M. Dothistroma pini on *Pinus radiata* in Chile. Plant Dis. Rep. 50(4):280. Apr.1966. 1.9 P69P
- 52376 EDWARDS, H. H. Separation and identification of the host, mycelial and conidial metabolites of powdery mildewed barley. Diss. Abs. 26(9): 4990. Mar.1966. 241.8 M58
- 52377 FILER, T. H. Effect on grass and cereal seedlings of hydrogen cyanide produced by mycelium and sporophores of *Marasmius oreades*. Plant Dis. Rep. 50(4):264-266. Apr.1966. 1.9 P69P
Poa pratensis, *Festuca rubra*, and *Agrostis tenuis* in California and Washington.
- 52378 FOLK, GY. A new disease: rust of geranium. (Hu) Kerteszeti Szolesz. 15(5):6. Mar.1966. 80 K474
Caused by *Puccinia pelargonii zonalis* Doidg.
- 52379 GEORGIA, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Diseases of sweet potatoes. Ga. Univ. Ext. Leaflet. 47,8 p.-folder. Jan.1966. 275.29 G29L
Scurf, black rot, and wilt, and their control.
- 52380 GHOSH, T., and BASAK, M. Possibility of controlling stem rot of jute. Indian J. Agr. Sci. 35(2):90-100. Ref. June 1965. 22 Ag831
Caused by *Rhizoctonia bataticola*.
- 52381 GIBSON, I. A. S., KENNEDY, P., and DEDAN, J. K. Further observations in Kenya on a foliage disease of pines caused by *Dothistroma pini* Hulbary. II. Investigations into fungicidal control of the disease. Commonwealth Forest. Rev. 45(1):67-76. Mar.1966. 99.8 Em72
With copper compounds and dithiocarbamates.
- 52382 GLITS, M. *Coniothyrium prunicolum* (Sacc.) disease of cherry. (Hu) Kerteszeti Szolesz. 15(3):21-22. Feb.1966. 80 K474
- 52383 GOIKO, V., and CHAKINA, Z. Potato diseases in southern Ukraine. (Rus) Zashch. Rast. Vred. Boleznei 3:51. 1965. 421 Z1
Caused by *Phytophthora* and *Macrosporium*.
- 52384 GOODE, M. J. New race of tomato *Fusarium* wilt fungus [*Fusarium oxysporum* f. *lycopersici*]. Ark. Farm Res. 15(1):12. Jan./Feb.1966. 100 Ar42F
- 52385 GOVINDAPPA, M. H., and GREWAL, J. S. Efficacy of different fungicides in controlling damping-off of tomato. Indian J. Agr. Sci. 35 (3):210-215. Sept.1965. 22 Ag831
- 52386 GRECHKIN, V. P. Spruce fungus [*Polystictus triquetus*]. (Rus) Moskovskii Lesotekhnicheskii Institut Sbornik Rabot 11:157-165. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:53. July 1965. Film S-202
- 52387 GREUTE, J. Hypovirulent forms of *Endothia parasitica* and hopes for control of chestnut canker. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(15):1033-1037. Nov.3/10,1965. 14 P215Bc
Includes discussion.
- 52388 GRIFFITHS, D. A., and LIM, W. C. In vitro toxin production by non wilt-inducing isolates of *Fusarium* from Malaya. Plant Dis. Rep. 50 (4):261-263. Apr.1966. 1.9 P69P
Fusarium oxysporum and *F. solani*, on okra.
- 52389 HADDEN, C. H. Studies on *Actinomyces* in relation to *Pythium* root rot of sugar cane and corn. Diss. Abs. 26(8):4162. Feb.1966. 241.8 M58
Antibiotic production by the *Actinomyces* in relation to control of *Pythium arrhenomanes*.
- 52390 HANCOCK, J. G., and MILLAR, R. L. Influence of infection by *Ascochyta imperfecta* on the concentration of certain oxidative enzymes in alfalfa leaves. Phytopathol. Z. 54(1):53-59. Ref. Sept.1965. 464.8 P562

- 52391 HANSEN, A. J. *Fusaria* as agents of cacao greenpoint cushion gall in the Caribbean and in Latin America. *Plant Dis. Rep.* 50(4):229-233. Ref. Apr.1966. 1.9 P69P
Fusarium decemcellulare and F. roseum.
- 52392 HARRISON, R. P. Trizone soil fumigant—a summary of its performance on vegetables and small fruits. *Down Earth* 21(1/2):11-14. Summer/Fall 1965. 381 D75
Chiefly control of fungus diseases and nematodes.
- 52393 HENAUER, A. A new injury treating and canker control material in fruit culture. (Ge) Schweiz. Z. Obst- Weinbau 102(4):99-103. Feb.19,1966. 80 Sch9
Fungicidal effect of Santar M.
- 52394 HORNER, C. E., and DOOLEY, H. L. Control of Verticillium wilt of peppermint [*Mentha piperita*] by soil fumigation. *Plant Dis. Rep.* 50(2):97-100. Feb.1966. 1.9 P69P
Caused by Verticillium dahliae in Oregon.
- 52395 HSU, S. C. The morphology and physiology of Pythium catenulatum causing sugar-cane root rot. (Ch) Taiwan Sugar Exp. Sta. Rep. 37: 89-104. Jan.1965. 65.9 F76R
English summary.
- 52396 HUBER, D. M. How nitrogen affects soilborne diseases. *Crops Soils* 18(7):10-11. Apr./May 1966. 6 W55
Fungus diseases.
- 52397 HUTCHINS, L. M. Loss of gall-inducing capacity of Fusarium rigiduscula on cacao by interference from another Fusarium clone. *Plant Dis. Rep.* 50(4):219-222. Apr.1966. 1.9 P69P
Imperfect form of Calonectria rigiduscula; tests performed in Costa Rica.
- 52398 ISHCENKO, L. A. Content of free amino acids in leaves of apples with different resistance to scab and effects of acids on growth of scab causal organism (Fusicladium dendriticum Fuck.) in cultures. (Rus) Moscow. Univ. Vestnik. Ser. 6, 2:15-20. 1965. 442.9 M854
Abstracted in Ref. Zh. Biol. 21(sect.G):10. Nov.1965. 241.7 R25
- 52399 JANCARIK, V. Synergetic effectiveness of organic fungicides Zineb and TMTD in combination with Simazine against the Scots pine needle-cast. *Commun. Inst. Forest. Cech. 4*: 227-234. 1965. 99.9 P884
Caused by Lophodermium pinastri.
- 52400 KAPPELMAN, A. J., THOMPSON, D. L., and NELSON, R. R. Virulence of 20 isolates of Diplodia zeae as revealed by stalk rot development in corn. *Crop Sci.* 5(6):541-543. Nov./Dec.1965. 64.8 C883
- 52401 KATSURA, K., and others. Some aspects on physiological and ecological characters of Doassansiopsis horiana (P. Henn.) Nishidako et Matsumoto causing blister smut of Chinese arrowhead, Sagittaria trifolia var. sinensis Makino. (Ja) Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:35-41. Sept.1965. 22.5 K993
H. Masago, Y. Miyata, and T. Fukunishi, joint authors.
English summary.
- 52402 KHALIFA, O. Biological control of Fusarium [oxysporum pisi] wilt of peas by organic soil amendments. *Ann. Appl. Biol.* 56(1):129-137. Ref. Aug.1965. 442.8 An72
Chitin.
- 52403 KIMURA, K., ONO, T., and YANAGITA, T. Isolation and characterization of ribosomes from dormant and germinating conidia of Aspergillus oryzae. *J. Biochem.* 58(6):569-576. Ref. Dec. 1965. 385 J822
- 52404 KIRBY, A. H. M. Fungicides. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:376-385. Ref. 1964. 382 M31R
Literature review.
- 52405 KISLYI, G. Peculiarities of development of head smut of corn. (Rus) Zashch. Rast. Vred. Boleznei 3:40. 1965. 421 Z1
Caused by Sorosporium reilianum.
- 52406 KLOTZ, L. J., BITTERS, W. P., and DE-WOLFE, T. A. Resistance to Phytophthora root rot. *Calif. Citrogr.* 51(6):257-258. Apr. 1966. 80 C125
Caused by Phytophthora citrophthora and P. parasitica.
- 52407 KOBACHIDZE, D. Powdery mildew of apples. (Rus) Zashch. Rast. Vred. Boleznei 3:18-19. 1965. 421 Z1
Caused by Podosphaera leucotricha; includes control.
- 52408 KOBAYASHI, T. Melanconis diseases of walnut and birch tree, and its causal fungi. (Ja) Jap. Forest. Soc. J. 48(1):28-32. Ref. Jan.1966. 99.8 N62
Juglans and Betula.
- 52409 KONO, A. The relation between oat leaf pigments and resistance to crown rust. Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):186-188. Dec. 1965. 22.5 M6932B
Chlorophyll in oats relation to resistance to Puccinia coronata avenae.
- 52410 KOSSINSKAYA, I. S. Problem of pine snow blight and the conditions contributing to this disease. (Rus) Novosibirsk. Tsent. Sibirskii Bot. Sad. Trudy 8:180-183. 1964. 451 N853
Caused by Phacidium infestans.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:52. July 1965. Film S-202
- 52411 KOVAL', E. Z. Ad floram fungorum Saeae kurilensis Makino et Shibata. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1964:204-206. 451 Ak15N
Text in Russian.
Includes pathogenic fungi.
- 52412 KOVATS, L. Seedling plague in vegetable hotbeds. (Hu) Kerteszlet Szolesz. 15(6):21. Mar. 1966. 80 K474
Caused by Pythium debaryanum.
- 52413 KOZITSKII, YU. Monilia [cinerea] blight of apples. (Rus) Zashch. Rast. Vred. Boleznei 3:36-37. 1965. 421 Z1
Includes chemical control.
- 52414 KRUGER, W. Colletotrichum graminicolum (Ces.) Wilson on maize in South Africa. *So. Afr. J. Agr. Sci.* 8(3):881-885. Sept.1965. 24 Su3
- 52415 KRUGER, W., GROBLER, J. H., and DU PLOOY, J. The influence of fertilizers and plant population on the incidence of stalk rot in maize. *So. Afr. J. Agr. Sci.* 8(3):703-715. Ref. Sept.1965. 24 Su3
Caused mainly by Diplodia zeae, Fusarium moniliforme and F. moniliforme subglutinans.
- 52416 KRULL, C. F., and others. Importance of the "small-uredia" reaction as an index of partial resistance to oat stem rust in Colombia. *Crop Sci.* 5(6):494-497. Nov./Dec.1965. 64.8 C883
R. Reyes, J. Orjuela, and E. Bustamante, joint authors.
Puccinia graminis avenae, causal organism.
- 52417 KUIPER, J., and SCHIPPER, C. M. A quick and accurate method of assessing bunt in wheat. *Australian Inst. Agr. Sci. J.* 31(4):319-320. Dec.1965. 23 Au74
Tilletia caries and T. foetida.
- 52418 KULKARNI, N. B., and AHMED, L. Studies on the basidial formation by Sclerotium rolfsii Sacc. III. Perfect stage of S. rolfsii isolates from potato, colocasia and groundnut on a new medium. *Mycopathol. Mycol. Appl.* 28(1/2): 107-109. Ref. Jan.31,1966. 450 M994
- 52419 KUMAR, V., and others. Varietal response of sorghum to seedling blight caused by Colletotrichum species. *Mycopathol. Mycol. Appl.* 28(1/2):122-128. Ref. Jan.31,1966. 450 M994
A. M. Khan, A. Ahmed, and V. S. Verma, joint authors.
- 52420 KUNDERT, J. Peronospora of grape and control, 1963-1965. (Ge) Schweiz. Z. Obst- Weinbau 102(3):69-78. Ref. Feb.5,1966. 80 Sch9
Chemical.

- 52421 LEACH, J. G., and ELLIOTT, E. S. Diseases of the iris in West Virginia and their control. W. Va. Agr. Exp. Sta. Bull. 509, 18 p. June 1965. 100 W52
Caused by fungi and bacteria.
- 52422 LEHMANN, J. On two parasitic fungi which are encouraged by a too long covering of snow (clover canker and snow mold). (Ge) Grune 94(7):212-217. Feb. 18, 1966. 17 Sch9
Sclerotinia trifoliorum on clover and alfalfa and Fusarium nivale on grain.
- 52423 LELLEY, J. A new method to increase smut resistance in wheat. (Hu) Elovilag 10(4):226-228. 1965. 410 EL6
- 52424 LIPSITS, D. V. Biochemical principles and indices of potato resistance to wart. (Rus) In Rak kartof. i mery bor'by s nim 1964:109-133. (Not in NAL)
Abstracted in Ref. Zh. Biol. 21(sect.G):10. Nov. 1965. 241.7 R25
- 52425 LISYUTINA, N. Thiourea for control of Rhizoctonia. (Rus) Zashch. Rast. Vred. Boleznei 3:52. 1965. 421 Z1
On potatoes.
- 52426 LOPEZ-ROSA, J. H. Host-parasite relations and epiphytology of tar spot of lespedeza caused by Phyllachora lespedezae. Diss. Abs. 26(3):1274-1275. Sept. 1965. 241.8 M58
- 52427 MAHADEVAN, A., and CAROSELLI, N. E. A tomato root bioassay technique to estimate Fusarium oxysporum lycopersici toxins. Naturwissenschaften 52(22):625. Nov. 15, 1965. 474 N213
- 52428 MAIER, C. R. Crop residue effects on soil-borne, fungus-induced root diseases. II. Study techniques. Agrichem. West 9(3):7-8, 10. Mar. 1966. 381 Ag85
- 52429 MAJERNIK, O. Study of the correlation between transpiration intensity and synthetical power of barley infected by powdery mildew. Phytopathol. Z. 54(2):202-206. Ref. Oct. 1965. 464.8 P562
Erysiphe graminis, causal organisms.
- 52430 MANDRYK, M. Stem infection of tobacco plants with three strains of Peronospora tabacina Adam. Australian J. Agr. Res. 17(1):39-47. Ref. Jan. 1966. 23 Au783
- 52431 MANNING, W. J., and CROSSAN, D. F. Effects of a particular soil bacterium on sporangial production in Phytophthora cinnamomi in liquid culture. Phytopathology 56(2):235-237 Feb. 1966. 464.8 P56
Pathogenic to Taxus.
- 52432 MARSDEN, D. H. Glyodex does more for apples than any other single fungicide. Agway Coop. 2(3):19. Mar. 1966. 280.28 Ag9
Also used for mite control.
- 52433 MARTENS, J. W. Stalk and root rot of maize: the influence of potassium and chlorine on host physiology and disease reaction. Diss. Abs. 26(9):4952. Mar. 1966. 241.8 M58
- 52434 MASRI, S. S. The development of appressoria, haustoria and secondary hyphae during the primary infection of wheat and barley by Erysiphe graminis. Diss. Abs. 26(8):4163. Feb. 1966. 241.8 M58
- 52435 MATOLCSY, GY. Systemic fungicides in plant protection. (Hu) Mezogazdasagi Vilagirolalom 8(1):26-27. (Concl.) Ref. 1966. 19 M577
Review of literature.
- 52436 MCBEE, G. G., HOLT, E. C., and BROOKS, C. R. Evaluation of fungicides for control of brown patch disease of St. Augustinegrass, 1963 and 1964. Tex. Agr. Exp. Sta. Progr. Rep. PR-2382, 4 p. Dec. 10, 1965. 100 T31P
Rhizoctonia solani, causal agent.
- 52437 MCGLOHON, N. E. Leafspot diseases of turnip greens. Ga. Univ. Ext. Leaflet 48, 7 p.-folder. Jan. 1966. 275.29 G29L
Chiefly downy mildew, caused by Peronospora parasitica, and Cercospora leafspot, caused by Cercospora brassicicola.
- 52438 MCINTOSH, D. L., and MACSWAN, I. C. The occurrence of collar rot caused by Phytophthora cactorum in a planting of apple trees aged 1 to 7 years. Plant Dis. Rep. 50(4):267-270. Apr. 1966. 1.9 P69P
In British Columbia.
- 52439 MILLER, J. W. Biology of Dothidella ulei. I. In vitro production of toxin. II. Differential clones of Hevea for identifying races of the fungus. Diss. Abs. 26(3):1275. Sept. 1965. 241.8 M58
- 52440 MOCHIZUKI, T., and HANADA, S. Studies on orchard soils in relation to occurrences of root rot disease of apple trees. 3. (Ja) J. Sci. Soil Manure 36(10):311-316. Ref. Oct. 1965. 56.8 J27
- 52441 MOREAU, C., MOREAU, M., and BOMPEIX, G. New technique for infecting the lenticels of Golden Delicious apples by Pezicula alba Guthrie. (Fr) Acad. Sci. Compt. Rend. 261(2):521-523. July 12, 1965. 505 P21
- 52442 MOSIN, V. I. Treatment of Scotch pine seeds with fungicides. (Rus) Lesnoi Zhurnal 5:45-48. 1964. 99.8 Iz8
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:52. July 1965. Film S-202
- 52443 NAIM, M. S. Transpiration rates of wilt resistant and susceptible cotton variety seedlings in response to Fusarium equiseti metabolites. Phytopathol. Z. 54(2):157-161. Oct. 1965. 464.8 P562
- 52444 NAITO, N., and MATSUKA, N. Infection-type structures produced on artificial media by spores of rust fungi. I. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):111-118. Ref. Mar. 1965. 107.6 K113
English summary.
Morphology.
- 52445 NAKAGAWA, K., NEMOTO, M., and KOBAYASHI, H. Effects of field application of calcium silicate upon the increase of blast disease resistance, growth and crop yield on rice. II. The effects in the volcanic ash soil. 6 p. Transl. 15819
Translation from Society of Plant Protection of North Japan. Annual Report 10:53-55. 1959.
- 52446 NATSARASHVILI, A. Zineb in viticulture. (Rus) Zashch. Rast. Vred. Boleznei 3:24. 1965. 421 Z1
Control of mildew caused by Oidium.
- 52447 NEGRU, N. Powdery mildew of eggplants and its control. (Rum) Gradina Via Livada 14(8):63-65. Aug. 1965. 80 G75
Caused by Leveillula solanacearum.
- 52448 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van grauwe schimmel (Botrytisrot) in aardbeien in de volle grond [Control of gray mildew (Botrytis rot) in strawberries in the field]. Neth. Plantenziektenkundige Dienst. Ber. 1638, 2 p. Apr. 15, 1965. 464.9 N38
- 52449 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van het denneschot in dennezaailingen in de kwekerijen [Control of pine needle cast [Lophodermium pinastri] on pine seedlings in nurseries]. Neth. Plantenziektenkundige Dienst. Ber. 1648, 2 p. June 30, 1965. 464.9 N38
- 52450 NOZDRENKO, M. V. Species of timber destroying fungi in Novosibirsk Region. (Rus) Novosibirsk. Tsent. Sibirsk. Bot. Sad. Tr. 8:192-195. 1964. 451 N853
Abstracted in Ref. Zh. Biol. 21(sect.V):8. Nov. 1965. 241.7 R25
- 52451 OLOFSSON, J. Downy mildew of peas in Western Europe. Plant Dis. Rep. 50(4):257-261. Apr. 1966. 1.9 P69P
Caused by Peronospora pisi; includes control.
- 52452 PALMER, J. G., PRYOR, R. L., and STEWARD, R. N. Resistance of Gladiolus to Fusarium yellows [Fusarium oxysporum gladioli]. Amer. Soc. Hort. Sci. Proc. 86:656-661. June 1965. 81 So12

- 52453 PAPASOLOMONTOS, A., and PAPADOPOULOS, C. Trials on the control of loquat scab in Cyprus. *FAO Plant Protect. Bull.* 13(4):83-85. Aug.1965. 421 P692
Caused by *Spilocaea eriobotryae*.
- 52454 PARRIS, G. K. Death of honeylocust [*Gleditsia triacanthos inermis*] in Mississippi associated with *Polyporus lucidus* Fr. *Plant Dis. Rep.* 50(4):243-244. Apr.1966. 1.9 P69P
- 52455 PATIL, P. L., KULKARNI, N. B., and PATIL, B. C. Leaf blight of jowar (*Sorghum vulgare* L.) caused by *Curvularia penniseti* (Mitra) Boedijn var. *sorghii* from India. *Mycopathol. Mycol. Appl.* 28(1/2):77-80. Ref. Jan.31,1966. 450 M994
- 52456 PEDERSEN, P. N. Investigation on the influence of growth conditions on the attacks of loose smut of barley (*Ustilago nuda*). *Acta Agr. Scand.* 15(3/4):245-261. Ref. 1965. 11 Ac82
- 52457 PERESYPKIN, V., and others. Control of *Ascochyta* in peas. (Rus) *Zashch. Rast. Vred. Bolezni* 3:20-21. 1965. 421 Z1
N. Kirik, M. Shalaev, and N. Khmel', joint authors.
Chiefly by treatment of seeds with minor elements and herbicides.
- 52458 PHELPS, W. R., and WEBER, R. A preliminary evaluation of antibiotics for control of white pine [*Pinus strobus*] blister rust in the Lake States. *Plant Dis. Rep.* 50(4):224-228. Apr.1966. 1.9 P69P
Cycloheximide (Acti-dione) and phytoactin.
- 52459 PHILLIPS, D. V. Studies on the mechanism of *Fusarium* wilt symptom reduction by a species of *Cephalosporium*. *Diss. Abs.* 26(3):1275. Sept.1965. 241.8 M58
In tomatoes.
- 52460 PRASADA, R., and PRABHU, A. S. Leaf blight of wheat. *FAO Plant Protect. Bull.* 12(5):117. Oct.1964. 421 P692
Causal agent, *Alternaria trititica* in India.
- 52461 PURDY, L. H. Flag smut [*Urocystis tritici*] of wheat. *Bot. Rev.* 31(4):565-606. Ref. Oct./Dec.1965. 450 B6527
- 52462 RAJ, T. R. N. Thread blight of water hyacinth. *Cur. Sci.* 34(21):618-619. Nov.5,1965. 475 Sci23
Marasmiellus inoderma infection of *Eichhornia crassipes*.
- 52463 RAJDERKAR, N. R. Physiological studies on powdery mildews from India. Formation of Ascospores. I. *Mycopathol. Mycol. Appl.* 28(1/2):145-148. Jan.31,1966. 450 M994
Study of *Erysiphe umbelliferarum*, pathogen of carrots.
- 52464 RAO, R., and KALE, S. B. Some new host records of *Chaetomella cycadina* Ramchandra Rao & Baheker from India. *Mycopathol. Mycol. Appl.* 28(1/2):55-56. Jan.31,1966. 450 M994
On *Ficus* and *Bambusa* spp.
- 52465 RAPILLY, F. Remarks on wheat contamination by *Claviceps purpurea*. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(18):1265-1269. Dec.8/15,1965. 14 P215Bc
Includes discussion.
- 52466 RASSADINA, E. G. On the biology of germination of uredospores of *Puccinia coronata*, agent of stem rust of wheat. (Rus) *Bot. Zhur. [Moscow]* 50(11):1603-1604. Nov.1965. 451 R923
- 52467 ROBBINS, M. L., and OGLE, W. L. The influence of calcium nutrition and duration of holding time on reaction of sweet potato sprouts to *Fusarium* wilt [*Fusarium oxysporium*]. *Amer. Soc. Hort. Sci. Proc.* 86:523-526. June 1965. 81 So12
- 52468 ROBERTS, B. R. Transpiration of elm seedlings as influenced by inoculation with *Ceratomyces ulmi*. *Forest Sci.* 12(1):44-47. Ref. Mar.1966. 99.8 F7632
- 52469 ROSS, N. Brown rot. *Cling Peach Quart.* 2(3):12-13. Fall 1965. 281.8 C61
- 52470 ROY, A. K. Occurrence of powdery mildew caused by *Oidium erysiphoides*. *FAO Plant Protect. Bull.* 13(2):42. Apr.1965. 421 P692
On *Dahlia*, *Solanum melongena*, and *Sesamum indicum* in India.
- 52471 RUBIN, B. L., and SHIPILOV, V. G. Resting current of plant cells and its changes upon infection. 3 p. (TT 63-24535) Transl. 15372
Cabbage infected with *Botrytis cinerea* fungus.
Translation from *Nauchnye Doklady Vyssei Shkoly. Biologicheskie Nauki* 1:125-127. 1963. CFSTI: \$1.10.
- 52472 SATAO, K. Studies on the blight disease of rice plants. 2-3. (Ja) *Tohoku Univ. Inst. Agr. Res. Bull.* 15(4):239-342; 16(1):1-54. Feb. 1965. 107.6 T577
English summary.
Helminthosporium oryzae.
Bibliography, p.27-34.
- 52473 SATEEV, A. Vapam as soil disinfectant. (Rus) *Tsvetovodstvo* 1:17. 1965. 80 T78
In control of *Fusarium* on aster.
Abstracted in *Ref. Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 14:59. July 1965. Film S-202
- 52474 SATO, K., YOKOZAWA, Y., and SHOJI, T. Occurrence of three diseases at the provenance trial plantations of sugi, Japanese red pine and Japanese larch in the Tohoku district. (Ja) *Jap. Forest. Soc. J.* 47(12):452-457, map. Ref. Dec.1965. 99.8 N62
Fungus diseases of *Cryptomeria japonica*, *Pinus densiflora* and *Larix leptolepis*.
- 52475 SCHIFFMANN-NADEL, M., and COHEN, E. Length of the incubation period of *Phytophthora citrophthora* under natural conditions in citrus groves. *Plant Dis. Rep.* 50(4):251-253. Apr. 1966. 1.9 P69P
Cause of brown rot in oranges and grapefruit in Israel.
- 52476 SCHMID, G. Observation of scab in Wadenswil in 1965. (Ge) *Schweiz. Z. Obst- Weinbau* 102(3):67-69. Feb.5,1966. 80 Sch9
Apples.
- 52477 SCHMUTTERER, H., and KRANZ, J. On *Cylindrosporum sesami* Hansf., causal organism of brown leaf spot disease of sesame. (Ge) *Phytopathol. Z.* 54(2):193-201. Oct.1965. 464.8 P562
English summary.
- 52478 SCHRODTER, H., and ULLRICH, J. Investigations on the biometeorology and epidemiology of *Phytophthora infestans* (Mont.) de By. on a mathematical-statistical basis. (Ge) *Phytopathol. Z.* 54(1):87-103. Ref. Sept.1965. 464.8 P562
English summary.
Potato disease.
- 52479 SCHROEDER, D. B. Seedling blight, stalk rot and ear rot of sweet corn caused by *Penicillium oxalicum*. *Diss. Abs.* 26(8):4164. Feb. 1966. 241.8 M58
- 52480 SCHWINN, F. J. Investigations on host-parasite relations in collar rot of apples (*Phytophthora cactorum*) and its control. I-II. (Ge) *Phytopathol. Z.* 54(1):1-30; (2):162-184. Ref. Sept.-Oct.1965. 464.8 P562
English summary.
I, Tests on the question of wound infection and on the basis of varietal resistance; II, On the role of indole growth substances for the causal organisms.
- 52481 SELS, J. Control of diseases of *Chrysanthemum*. (Fl) *Tuinbouwberichten* 29(8):338. Aug. 1965. 80 T817
Chiefly fungus diseases.
- 52482 SHARMA, M. R. On the occurrence of abnormal symptoms in covered smut of barley caused by *Ustilago hordei* (Pers.) Lagerh. *Cur. Sci.* 34(24):699-700. Dec.20,1965. 475 Sci23
In India.

- 52483 SHAW, D. E. Condition resembling blister blight of tea on tea seedlings in quarantine in New Guinea. *FAO Plant Protect. Bull.* 13(3): 56-64. Ref. June 1965. 421 P692
Resemble those caused by *Exobasidium vexans*.
- 52484 SHESTAKOVA, A. Weather and head smut of wheat. (Rus) *Zashch. Rast. Vred. Boleznei* 3: 41. 1965. 421 Z1
- 52485 SHIBKOVA, N. A. Adaptation of apple scab causal organism [*Venturia inaequalis*] to fungicides. (Rus) *Khim. Sel'skom Khoz.* 4(2): 22-27. Ref. Feb. 1966. 385 K524
- 52486 SHUMAKOVA, A. Prospects for use of new fungicides. (Rus) *Zashch. Rast. Vred. Boleznei* 3:16-17. 1965. 421 Z1
To control fungus diseases of plants.
- 52487 SIMPSON, W. R. Head smut of corn in Idaho. *Plant Dis. Rep.* 50(4):215-217. Ref. Apr. 1966. 1.9 P69P
Caused by *Sphacelotheca reiliana*.
- 52488 SLEETH, B. Fungi occurring on blossom-end rotted tomatoes. *Rio Grande Val. Hort. Soc. J.* 19:101-102. 1965. 81 L95
Chiefly *Cladosporium*, *Alternaria* and *Fusarium* invading rot lesions.
- 52489 SLOBBE, A. Stem rot of tomatoes. (Du) *Groenten Fruit* 21(35):1585. Mar. 16, 1966. 80 G89
- 52490 SMITH, R. S., and BEGA, R. V. Root disease control by fumigation in forest nurseries. *Plant Dis. Rep.* 50(4):245-248. Apr. 1966. 1.9 P69P
Soilborne diseases, chiefly, on *Pinus lambertiana* in California.
- 52491 SMITH, R. S. Rosellinia needle blight of Douglas-fir [*Pseudotsuga menziesii*] in California. *Plant Dis. Rep.* 50(4):249-250. Apr. 1966. 1.9 P69P
Caused by *Rosellinia herpotrichioides*.
- 52492 SOKOLOVA, V. E., and others. Variation in the content of chlorogenic and caffeic acids in stored potato tubers, in varieties differing in their resistance to *Phytophthora infestans*. (Rus) *Akad. Nauk SSSR. Dok.* 165(1):237-240. 1965. 511 P444A
G. N. Kazantseva, I. V. Zviagintseva, and L. V. Metitskii, joint authors.
- 52493 SOUTHARDS, C. J. Host-parasite relations of the lesion nematodes, *Pratylenchus brachyurus*, *P. zeae*, and *P. scribneri*, and flue-cured tobacco. *Diss. Abs.* 26(8):4164-4165. Feb. 1966. 241.8 M58
- 52494 STAVELY, J. R. Factors affecting the pathogenicity of *Erysiphe polygoni* on *Trifolium pratense*. *Diss. Abs.* 26(9):4953-4954. Mar. 1966. 241.8 M58
- 52495 STEWART, D. M., and HILL, J. H. Toxicity of *Helminthosporium sorokinianum* and other fungi to *Puccinia graminis* var. *tritici*. *Plant Dis. Rep.* 49(5):371-374. May 15, 1965. 1.9 P69P
Wheat seedlings used as differential hosts in identification of physiologic races of stem rust.
- 52496 STUBBS, R. W., FUCHS, E., and VECHT, H. Report on "The Yellow Rust Trials Project" in 1963. *Stichting Ned. Graan-Cent. Tech. Ber.* 14, 89 p., map. Mar. 1965. 59.9 St52Tb
Wheat and barley.
- 52497 TANIC, B. Most important diseases of wheat high yielding varieties and their effect on the yields of last years. (Se) *Poljoprivredni Pregl.* 14(3/4):105-112. Mar./Apr. 1965. 21.5 P753
Chiefly fungus diseases.
- 52498 TANTO, B. Controlling *Fabraea maculata* spottiness of quince. (Hu) *Kerteszeti Szolesz.* 15(4):21. Feb. 1966. 80 K474
Chiefly chemical.
- 52499 TARIS, B. Study and demonstration of the maintenance of pathogenic power of the uredospores of *Melampsora* sp., rust of cultivated poplars. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(8):882-885. Feb. 21, 1966. 505 P21
- 52500 TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 15 p. Transl. 15828
Translation from Tohoku National Agricultural Experiment Station. *Bulletin* 14:16-20. 1959.
- 52501 TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 17 p. Transl. 15866
Translation from Tohoku National Agricultural Experiment Station. *Bulletin* 13:12-18. 1958.
- 52502 TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 2. Influence of the oxidation-reduction potentials of soil upon the occurrence of rice blast. 18 p. Ref. Transl. 15827
Translation from Tohoku National Agricultural Experiment Station. *Bulletin* 13:19-25. 1958.
- 52503 TOKUNAGA, Y., KATO, H., and KOSHIMIZU, Y. Studies on the relationship between metabolism of rice plant and its resistance to blast disease. 2. Effect of the phosphorus content in leaf blades during maturity on disease proneness to leaf blast. (Ja) *Tohoku Nat. Agr. Exp. Sta. Bull.* 32:61-88. Ref. Mar. 1965. 107.6 M822
English summary.
Resistance of *Piricularia oryzae*.
- 52504 TOLBA, M. K., and MOUBASHER, A. H. Studies on the damping-off disease of cotton in U.A.R. II. Effect of nature of soil on the incidence and control of the disease through the use of the fungicide Granosan. *J. Bot. United Arab Repub.* 5:111-123. 1962, pub. 1965. 450 Eg9
Caused by *Rhizoctonia solani*.
- 52505 TOLBA, M. K., and MOUBASHER, A. H. Studies on the damping-off disease of cotton in the U.A.R. III. Effect of depth of seeding on the incidence and control of the disease through the use of the fungicide Granosan. *J. Bot. United Arab Repub.* 5:125-136. 1962, pub. 1965. 450 Eg9
Caused by *Rhizoctonia solani*.
- 52506 VASUDEVA, R. S., MANSER, P. D., and ZAKARI, I. Some fungi recorded on coconut leaves. *FAO Plant Protect. Bull.* 12(6):140-141. Dec. 1964. 421 P692
In Togo.
- 52507 VLASYUK, S. Disease resistant varieties of plums. (Rus) *Zashch. Rast. Vred. Boleznei* 3: 39. 1965. 421 Z1
Chiefly to *Clasterosporium*.
- 52508 VON WECHMAR, B. Seed transmission of *Septoria nodorum* Berk. in the Western Cape Province. *So. Afr. J. Agr. Sci.* 8(3):737-744. Ref. Sept. 1965. 24 Su3
Wheat.
- 52509 WAL, D. V. D. Control of *Rhizoctonia* on potatoes. (Du) *Loonbedrijf Land- Tuinbouw* 18 (9):713, 715. Sept. 1965. 283.8 L87
- 52510 WEINGARTNER, H. Experiences and observations on fruit culture. (Ge) *Lebendige Erde* 6:261-263. (Cont.) Nov./Dec. 1965. 18 L49
Fungus diseases and varieties.
- 52511 ZAKARI, I., and GERALDO, R. Grain smut and other fungi on *Sorghum vulgare*. *FAO Plant Protect. Bull.* 13(3):67-68. June 1965. 421 P692
Sphacelotheca sorghi, chiefly in Togo.
- 52512 EL ZARKA, A. M. Studies on *Rhizoctonia solani* Kuhn, the cause of the black scurf disease of potato. *Wageningen. Landbouwhogeschool. Fytopathol. Mededel.* 217, 73 p. Ref. 1965. 464.04 W12
- 52513 ZYKIN, A. Powdery mildew of potatoes. (Rus) *Zashch. Rast. Vred. Boleznei* 3:33. 1965. 421 Z1
Includes resistant varieties.

Diseases Caused by Bacteria

- 52514 BEL'TYUKOVA, K. G., and MATISHEVS'KA, M. S. Effect of gibberellin on plant resistance to disease. 10 p. (TT 64-15451) Transl. 15157
Resistance of tomatoes and cabbage, chiefly to bacterial diseases.
Translation from Mikrobiologichnyi Zhurnal 25(3):64-70. 1963.
Issued by CFSTI.
- 52515 CROSSE, J. E. Bacterial canker of stone-fruits. VI. Inhibition of leaf-scar infection of cherry by a saprophytic bacterium from the leaf surfaces. Ann. Appl. Biol. 56(1):149-160. Ref. Aug.1965. 442.8 An72
Pseudomonas mors-prunorum and saprophytic organism related to Erwinia spp.
- 52516 DAVISON, S., and SHACKLETON, D. A. Bacterial blast [*Pseudomonas syringae*] and *Glomerella* [cingulata] rots of tree tomatoes.—Orchardist New Zeal. 39(2):53,55-56. Mar.1966. 80 Or19
Includes control.
- 52517 ENGLISH, H., and DEVAY, J. E. Soil fumigation and canker resistance. Cling Peach Quart. 2(2):12,14. Summer 1965. 281.8 C61
Fruit trees.
- 52518 FEDORINCHIK, N. S. Use of active strains of the fungus *Trichoderma lignorum* for control of cotton wilt and other field crop wilts. (Rus) Vsesoyuznyi Simposium po Bor'be s Viltom Khlopchatnika. Materialy 1963:146-151. 1964. (Not in Libr.)
Caused by bacteria.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:57. July 1965. Film S-202
- 52519 GOTH, R. W. The use of a partial vacuum to inoculate bean seeds with pathogenic bacteria. Plant Dis. Rep. 50(2):110-111. Feb.1966. 1.9 P69P
Pseudomonas phaseolicola (cause of halo blight), Xanthomonas phaseoli (cause of common blight), and Corynebacterium flaccumfaciens (cause of wilt).
- 52520 KERN, H. Determination of virulence of *Agrobacterium tumefaciens*. (Ge) Arch. Mikrobiol. 53(1):92-106. Ref. 1966. 442.8 Ar26
English summary.
Causal organism of crown gall.
- 52521 KNOSEL, D. On the effectiveness of antibiotics and other preparations against *Xanthomonas campestris* on white cabbage. (Ge) Phytopathol. Z. 54(1):31-39. Ref. Sept.1965. 464.8 P562
English summary.
- 52522 MERCIER, S., PIONNAT, J. C., and TRAMIER, R. Description of a bacterial disease of carnations new to France. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1):101-106. Jan.5/12,1966. 14 P215Bc
Pectobacterium parthenii dianthicola.
- 52523 MORTON, D. J., DUKES, P. D., and JENKINS, S. F. Serological relationships of races 1, 2 and 3 of *Pseudomonas solanacearum*. Plant Dis. Rep. 50(4):275-277. Apr.1966. 1.9 P69P
Tomato, tobacco and banana.
- 52524 NIZAMETDINOVA, YA. F. On some properties of causal organism of cotton angular leaf spot, *Pseudomonas malvacearum*. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:63-72. Ref. 1964. 442.9 T18
- 52525 OLAND, K. Should cherries be sprayed with Bordeaux mixture in the late fall or in the winter? (No) Gartneryrket 56(10):199-200. Mar.4,1966. 80 G1938
Control of *Pseudomonas syringae*.
- 52526 ORELLANA, R. G., THOMAS, C. A., and KINMAN, M. L. A bacterial blight of guar in the United States. FAO Plant Protect. Bull. 13(1):9-13. Feb.1965. 421 P692
Causal organism; *Xanthomonas cyamopsidis*.
- 52527 PITTS, R., and PIERCE, W. H. A halo blight pathogenicity test. Plant Dis. Rep. 50(4):238-239. Apr.1966. 1.9 P69P
Caused by *Pseudomonas phaseolicola* in Idaho beans.
- 52528 ROUSSEAU, J. Effects of some growth regulators on the development of axillary shoots of Express Alaska peas stimulated by *Corynebacterium fascians* (Tilford) Dowson. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):471-474. Jan.24,1966. 505 P21
- 52529 SELOCHNIK, N. N. Torulose canker of pine in Buzuluk forest. (Rus) Moskov. Lesotekh. Inst. Sbornik Rabot 2:105-108. 1964. (Not in NAL)
Possible cause: *Pseudomonas pini*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:52. July 1965. Film S-202
- 52530 SKADOW, K. Weeds as hosts of *Verticillium albo-atrum* Rke. and Berth. including *Verticillium dahliae* Kleb. (Ge) Zentralbl. Bakteriologie. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(1):49-59. Ref. 1966. 448.3 C33
English summary.
Possible pathogenicity to field crops.
- 52531 SUNDHEIM, L. Aztec marigold [*Tagetes erecta*]—bacterial leaf spot. (No) Gartneryrket 56(11):234-235. Mar.11,1966. 80 G1938
Caused by *Pseudomonas tagetis*.
- 52532 TOGASHI, J., and SAKAMOTO, M. Studies on the growth and nutrient requirements of *Erwinia aroideae* (Towns) Holl. the causal bacterium of the soft-rot of vegetables. (Ja) Tohoku Univ. Inst. Agr. Res. Bull. 16(2):105-114. Ref. Mar.1965. 107.6 T577
English summary.
- 52533 WIEHE, A. Gumming disease surveys (systemic infection) at Deep River—Beau Champ S. E. Rev. Agr. Sucriere Ile Maurice 44(2):98-103. June 1965. 24 M44
Sugarcane bacterial disease caused by *Xanthomonas vasculorum*.

Viruses and Virus Diseases

- 52534 ABBOTT, E. V., and STOKES, I. E. A world survey of sugar cane mosaic virus strains. Sugar Azucar 61(3):27-29. Ref. Mar.1966. 65.8 F11
- 52535 ALBOUY, J. Preliminary note on a necrotic disease of *Gladiolus*. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1):97-101. Jan.5/12,1966. 14 P215Bc
Virus disease.
- 52536 ATTAFUAH, A. Embryo abortion in virus-infected sweet cherry. FAO Plant Protect. Bull. 13(4):79-82. Aug.1965. 421 P692
Great Britain.
- 52537 BIRD, J., WELLMAN, F. L., and APONTE, F. Plantain and banana mosaic in Puerto Rico. Caribbean Food Crops Soc. Proc., 2d Annu. Meeting:44-46. 1964. 64.9 C19
- 52538 BLASZCZAK, W. Severe strain of yellow bean mosaic virus found on *Trifolium pratense* L. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(7):381-384. 1965. 512 W262
Pathogenicity tested on forty species of Leguminosae.
- 52539 CERVENKA, J., and NOHEJL, J. Control of virus diseases of potatoes. (Cz) Za Vysokou Urodu 14(1):34-35. Jan.12,1966. 64.8 Z12
- 52540 CHALCROFT, J., and MATTHEWS, R. E. F. Cytological changes induced by turnip yellow mosaic virus in Chinese cabbage leaves. Virology 28(4):555-562. Ref. Apr.1966. 448.8 V81
- 52541 COCKING, E. C. An electron microscopic study of the initial stages of infection of isolated tomato fruit protoplasts by tobacco mosaic virus. Planta 68(2):206-214. Ref. 1966. 450 P693

- 52542 CRAMPTON, M. J. Disease-resistant pea varieties. New Zeal. J. Agr. Res. 9(1):152-156. Feb.1966. 23 N4892
Yellows virus, mosaic virus, and Fusarium wilt.
- 52543 DE ZOETEN, G. A. California Tobacco Rattle Virus, its characterization, intracellular appearance and the cytology of infected cells. Diss. Abs. 26(8):4162. Feb.1966. 241.8 M58
- 52544 ELSAID, H. M. Detection of virus infection in certain species of citrus. Diss. Abs. 26(3):1274. Sept.1965. 241.8 M58
- 52545 ESTES, A. P., and BRAKKE, M. K. Correlation of Polymyxa graminis with transmission of soil-borne wheat mosaic virus. Virology 28(4):772-774. Apr.1966. 448.8 V81
- 52546 FINDLEY, W. R., DOLLINGER, E. J., and WILLIAMS, L. E. MDM [maize dwarf mosaic] ratings of hybrid corn. Crops Soils 18(6):28-31. Mar.1966. 6 W55
- 52547 FLIEGEL, P., PARKER, K. G., and EDGERTON, L. J. Gibberellic acid treatment of sour cherry infected by sour cherry yellows virus. Response to sprays applied throughout the growing season and the influence of environmental conditions. Plant Dis. Rep. 50(4):240-242. Apr.1966. 1.9 P69P
Prunus avium and P. mahaleb in New York.
- 52548 FOSTER, R. E., LEVIN, M. D., and MCGREGOR, S. E. Nectar production by muskmelons infected with four mosaic viruses. Amer. Soc. Hort. Sci. Proc. 86:433-435. Ref. June 1965. 81 S012
- 52549 GALZY, R. Action of short thermal treatment on the rhizogenesis in vitro of a clone of Vitis rupestris infected with court-noue. (Fr) Acad. Sci. Compt. Rend. 261(2):524-527. July 12,1965. 505 P21
- 52550 GHENA, N. Practical method of the identification of viruses of potatoes by means of test plants. Probl. Agr. [Bucharest] 17(8):57-63. Ref. Aug.1965. 21 R862
- 52551 GODDARD, J., and others. Studies on the inactivation of tobacco mosaic virus by ultraviolet light. Photochem. Photobiol. 5(2):213-222. Ref. Feb.1966. 382 P56
D. Streeter, C. Weber, and M. P. Gordon, joint authors.
- 52552 GODSCHALK, W., and VELDSTRA, H. Investigations on turnip yellow mosaic virus interactions with aliphatic mercurials. II. Arch. Biochim. Biophys. 113(2):347-355. Ref. Feb. 1966. 381 Ar2
- 52553 GUALACCINI, F. Mechanical transmission of virus to herbaceous plants from cherries showing symptoms of line pattern. (It) Agr. Italia 11(11):3-44. Nov.1965. 16 Ag8232
English summary.
Bibliography, p.39-44.
- 52554 HARRISON, B. D., and WOODS, R. D. Serotypes and particle dimensions of tobacco rattle viruses from Europe and America. Virology 28(4):610-620. Ref. Apr.1966. 448.8 V81
- 52555 HECHT, H., and ARENZ, B. The demonstration of the leaf roll virus in potato haulms and in the roots and tubers by means of the phenol test. (Ge) Phytopathol. Z. 54(2):147-156. Ref. Oct.1965. 464.8 P562
English summary.
- 52556 HUNNIUS, W. The disappearance of virus Y in potato tubers in multiple-sprouted plants and with different methods of vine handling. (Ge) Bayer. Landwirt. Jahrbuch 42(3):358-367. Ref. 1965. 18 L24
- 52557 IZADPANAH, K., and SHEPHERD, R. J. Purification and properties of the pea enation mosaic virus. Virology 28(3):463-476. Ref. Mar. 1966. 448.8 V81
- 52558 KARLE, H. P. The movement of peach yellow bud mosaic virus in host plants. Diss. Abs. 26(8):4162-4163. Feb.1966. 241.8 M58
Experiments with cowpeas.
- 52559 KNUTSON, R. M. Studies on the virus inoculation of dissociated leaf mesophyll cells. Diss. Abs. 26(8):4163. Feb.1966. 241.8 M58
- 52560 MAIA, E., and MOREL, G. Effect of phytic acid on the installation and multiplication of tobacco mosaic virus. (Fr) Acad. Sci. Compt. Rend. 261(14):2727-2728. Oct.4,1965. 505 P21 505 P21
- 52561 MARTELLI, G. P. Mottled crinkle of artichoke (Cynara scolymus L.). (It) Phytopathol. Mediter. 4(1):58-60. May 1965. 464.8 P565
Caused by a virus.
- 52562 MARTINEZ, A. L., and SEBASTIAN, N. M. Exocortis virus of citrus in the Philippines. FAO Plant Protect. Bull. 13(4):86-87. Aug. 1965. 421 P692
- 52563 MICZYNSKI, K. A. The influence of parental potato varieties on necrogenic properties of the potato virus Y-strains in the leaf-test. Phytopathol. Z. 54(1):40-52. Ref. Sept.1965. 464.8 P562
- 52564 MILBRATH, J. A. Virus problems of rose. Amer. Rose Annu. 51:87-90. 1966. 81 Am31A
- 52565 MILLECAN, A. A. Virus and virus-like diseases of quince in California. Plant Dis. Rep. 50(4):211-214. Apr.1966. 1.9 P69P
- 52566 MILNE, R. G. Electron microscopy of tobacco mosaic virus in leaves of Chenopodium amaranticolor. Virology 28(4):520-526. Apr. 1966. 448.8 V81
- 52567 MILNE, R. G. Electron microscopy of tobacco mosaic virus in leaves of Nicotiana glutinosa. Virology 28(4):527-532. Ref. Apr.1966. 448.8 V81
- 52568 MIRZAAKHMEDOV, V. Effect of potato planting date on distribution dynamics of virus X and virus S. (Rus) Uzbeksii Biol. Zhur. 5:28-32. 1964. 442.8 Uz1
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:56. July 1965. Film S-202
- 52569 MITROFANOVA, I. Tobacco virus disease is not transmitted through seeds. (Rus) Zashch. Rast. Vred. Bolezni 3:52. 1965. 421 Z1
- 52570 MIURA, K. I., KIMURA, I., and SUZUKI, N. Double-stranded ribonucleic acid from rice dwarf virus. Virology 28(4):571-579. Ref. Apr.1966. 448.8 V81
- 52571 MURAYAMA, D., and YOKOYAMA, T. On some chemical properties of barley stripe virus. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):169-183. Ref. 1966. 107.6 H682
English summary.
- 52572 MURAYAMA, D., and YOKOYAMA, T. A rapid diagnosis method for barley stripe mosaic disease. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):151-155. Ref. 1966. 107.6 H682
English summary.
- 52573 MURAYAMA, D., NEMOTO, M., and YOKOYAMA, T. On some physical properties of barley stripe mosaic virus. (Ja) Hokkaido Univ. Fac. Agr. Mem. 5(3):160-168. 1966. 107.6 H682
English summary.
- 52574 NAGAICH, B. B., and VASHISTH, K. S. Observations on the virus diseases of plums in India. Indian J. Agr. Sci. 35(2):157-161. June 1965. 22 Ag831
- 52575 NAGARAJ, A. N., PACUMBABA, R. P., and PABLO, G. O. Diagnostic symptoms and cadang-cadang disease of coconuts. FAO Plant Protect. Bull. 13(1):1-8. Ref. Feb.1965. 421 P692
Philippines.
- 52576 NITZANY, F. E. Tests for the control of field spread of pepper viruses by oil sprays. Plant Dis. Rep. 50(3):158-160. Mar.1966. 1.9 P69P
Mosaic diseases in Israel.

- 52577 OSHIMA, N., KOMOCHI, S., and GOTO, T. Study on control of plant virus diseases by vaccination of attenuated virus. 1. Control of tomato mosaic disease. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:23-33. Mar.1965. 107.6 H68
English summary.
- 52578 PIERPOINT, W. S. The enzymic oxidation of chlorogenic acid and some reactions of the quinone produced. Biochem. J. 98(2):567-580. Ref. Feb.1966. 382 B52
In relation to chemistry of viruses in tobacco leaves.
- 52579 REID, M. S., and MATTHEWS, R. E. F. On the origin of the mosaic induced by turnip yellow mosaic virus. Virology 28(4):563-570. Ref. Apr.1966. 448.8 V81
In Chinese cabbage.
- 52580 SCHELLER, H. Research on potato virus A for improvement of the test procedure for this virus with reference to potato breeding and seed potato propagation. (Ge) Bayer. Landwirtschaft. Jahrbuch 42(4):432-452. Ref. 1965. 18 L24
- 52581 SCHMIDT, H. E. Investigations on viruses of hops (*Humulus lupulus* L.). 3. Differentiation and identification of hops viruses. (Ge) Phytopathol. Z. 54(1):60-78. Ref. Sept.1965. 464.8 P562
English summary.
- 52582 SCHMIDT, H. E., and KLINKOWSKI, M. Virus diseases of hops (*Humulus lupulus* L.) in Europe. (Ge) Phytopathol. Z. 54(2):122-146, map. Ref. Oct.1965. 464.8 P562
English summary
- 52583 SEMANICK, J. S., and WEATHERS, L. G. Partial purification of a mechanically transmissible virus associated with tatter leaf of citrus. Phytopathology 55(12):1354-1358. Dec. 1965. 464.8 P56
Citrus excelsa, with cowpeas isolate as inoculum.
- 52584 SENGBUSCH, P. V. Amino acid exchange and tertiary structure of a protein; comparison of tobacco mosaic virus mutants with serological and physicochemical methods. (Ge) Z. Vererbungslehre 96(4):364-386. Ref. 1965. 442.8 Z34
English summary.
- 52585 SHALLA, T. A. A report on pear decline and a new threat—pear leaf curl. Pear Growers League. Annu. 1965:39-40. 286.3939 P31
The former a virus disease, the latter of undetermined cause.
- 52586 SILBERNAGEL, M. J. Differential tolerance to curly top in some snap bean varieties and its relation to the halo blight problem. Seed World 98(5):14-15. Mar.11,1966. 61.8 Se52
Virus and bacterial diseases.
- 52587 SINGH, R. P., and LAL, S. B. The effect of certain chemotherapeutic agents on Cucumis virus 2C in bottlegourd (*Lagenaria siceria*). Plant Dis. Rep. 49(6):493-494. June 15,1965. 1.9 P69P
Mosaic disease.
- 52588 SOWELL, G., KUHN, C. W., and BRANTLEY, B. B. Resistance of southern pea, *Vigna sinensis* to cowpea chlorotic mottle virus. Amer. Soc. Hort. Sci. Proc. 86:487-490. June 1965. 81 So12
- 52589 STONER, W. N., and WILLIAMS, L. E. Virus disease of maize in the continental United States. Seed World 98(6):14-16. Mar.25,1966. 61.8 Se52
Stunt and dwarf mosaic.
- 52590 SUGIYAMA, T. Tobacco mosaic viruslike rods formed by "mixed reconstitution" between MS2 ribonucleic acid and tobacco mosaic virus protein. Virology 28(3):488-492. Ref. Mar.1966. 448.8 V81
- 52591 TIRTAWIDJAJA, S., HADIWIDJAJA, T., and LASHEEN, A. M. Citrus vein-phloem degeneration virus, a possible cause of citrus chlorosis in Java. Amer. Soc. Hort. Sci. Proc. 86:235-243. Ref. June 1965. 81 So12
- 52592 VEDDER, P. J. C. Can the mushroom grower avoid virus diseases? (Du) Champignoncultuur 9(6):166-168. Aug.1965. 80 C35
- 52593 VULIC, M. Further research with ultracentrifuge on clarification of the varying behavior of virus Y in potato plants. (Ge) Bayer. Landwirtschaft. Jahrbuch 42(4):453-467. Ref. 1965. 18 L24
- 52594 WAGNON, H. K., WILLIAMS, H. E., and TRAYLOR, J. A. An atypical reaction of "Shirofugen" flowering cherry [*Prunus serrulata*] to certain virus-infected plum trees. Plant Dis. Rep. 50(4):278-279. Apr.1966. 1.9 P69P
California.
- 52595 WALTERS, H. J., SHEPHERD, R. J., and GOODE, M. J. Virus diseases of squash. Ark. Farm Res. 15(1):7. Jan./Feb.1966. 100 Ar42F
- 52596 WANG, C. S. Relationships between some environmental factors and cane yield with raton stunting disease. 1. Soil moisture content. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:81-89. Ref. Apr.1965. 65.9 F76R
English summary.
- 52597 WARMKE, H. E., and EDWARDSON, J. R. Use of potassium permanganate as a fixative for virus particles in plant tissues. Virology 28(4):693-700. Ref. Apr.1966. 448.8 V81
Tobacco mosaic virus.
- 52598 WHITNEY, E. D. Investigations on the use of Rutgers tomato as an indicator plant for the detection of the Potato Spindle Tuber Virus and some properties of the virus. Diss. Abs. 26(9):4954. Mar.1966. 241.8 M58
- 52599 WOLFFGANG, H., HOFFEREK, H., and OPEL, H. Investigations on inhibition mechanisms in virus-infected plants. 1. Relationships between concentration and infectivity of the inoculum. (Ge) Phytopathol. Z. 54(2):105-121. Oct.1965. 464.8 P562
English summary.
Tobacco necrosis virus, tobacco mosaic virus, and potato virus X.
- 52600 YARWOOD, C. E. Bentonite aids [tomato ring-spot] virus transmission. Virology 28(3):459-462. Ref. Mar.1966. 448.8 V81
From *Erigeron glaucus* to bean.

Diseases Caused by Nematodes

- 52601 ALEXANDER, P. M. Roses and nematodes. Amer. Rose Annu. 51:91-102. Ref. 1966. 81 Am31A
Includes control.
- 52602 BARRIGA-OLIVARES, R. Reproduction and pathogenicity of plant-parasitic nematodes associated with *Camellia* in North Carolina. Diss. Abs. 26(8):4160. Feb.1966. 241.8 M58
- 52603 CASTANER, D. The relationship of numbers of *Helicotylenchus microlobus* to nitrogen soil amendments. Diss. Abs. 26(9):4951-4952. Mar.1966. 241.8 M58
Parasitic on corn and yellow sweetclover.
- 52604 CHU, H. T., and HSU, S. C. Studies on the nematode-trapping fungi in Taiwan sugarcane soils. (Ch) Taiwan Sugar Exp. Sta. Rep. 37:81-88. Jan.1965. 65.9 F76R
English summary.
- 52605 CLARKE, A. J., and WIDDOWSON, E. The hatching factor of the potato-root eelworm [*Heterodera rostochiensis*]. Biochem. J. 98(3):862-868. Ref. Mar.1966. 382 B52
- 52606 EPPS, J. M., and GOLDEN, A. M. Significance of males in reproduction of the soybean cyst nematode (*Heterodera glycines*). Helminthol. Soc. Wash. Proc. 33(1):34. Jan.1966. 436.9 H36

- 52607 GOOSSENS, A. Methyl bromide. (Fl) Tuinbouwberichten 29(7):295-297. (Cont.) July 1965. 80 T817
Chiefly its use in plant nematode control.
- 52608 GOSS, O. M. Sugar beet eelworm (*Heterodera schachtii* Schmidt) on cauliflowers and its control. West. Australia. Dep. Agr. J. (ser.4)6 (12):725-729. Dec.1965. 23 W52J
- 52609 GRISSE, A. DE, and LOOF, P. A. Revision of the genus *Criconeimoides* (Nematoda). Ghent. Landbouwhogeschool. Mededel. 30(2):577-603. Ref. 1965. 105.1 G344
Includes n. spp. in *Nothocriconeima* n. g., *Lo-bocriconeima* n. g., *Criconeimella* n. g., *Disco-criconeimella* n. g., and *Xenocriconeimella* n. g. plant pathogens.
- 52610 HALIM, M. M. B. The role of root-knot nematode [*Meloidogyne incognita* acrita] in predisposing certain tomato varieties to southern bacterial wilt. Diss. Abs. 26(8):4161-4162. Feb.1966. 241.8 M58
- 52611 ISHIBASHI, N., and TAGUCHI, S. Studies on the hatching of the root-knot nematode, *Meloidogyne incognita* Chitwood. II. Radiosensitivity of embryos and infectivity of larvae emerging from irradiated egg masses. Annot. Zool. Jap. 38(1):12-19. Ref. Mar.1965. 410 An79
- 52612 JAMBRINA ALONSO, J. L. The principal species of nematodes parasitic on plants. (Sp) Agricultura [Madrid] 34(401):485-488. Sept. 1965. 15 Ag84
- 52613 LABANAUSKAS, C. K., BAINES, R. C., and STOLZY, L. H. Effects of citrus nematode—and irrigation—on nutrient concentrations in navel orange leaves, roots. Calif. Agr. 20(1):12-14. Jan.1966. 100 C12Cag
Tylenchulus semipenetrans.
- 52614 MARTIN, G. C. New records of nematode infection. FAO Plant Protect. Bull. 13(2):42-43. Apr.1965. 421 P692
Cotton infected with *Meloidogyne incognita* and *Heterodera cacti*, and a *Mammillaria* with *H. cacti*.
- 52615 MINTON, N. A., DONNELLY, E. D., and SHEPHERD, R. L. Reaction of varieties and breeding lines of sericea lespedeza to five root knot nematode species. Phytopathology 56(2):180-182. Feb.1966. 464.8 P56
- 52616 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Voorschriften inzake de wisselteelt van aardappelen met bloembollen, boomkwekerijgewassen en vaste planten [Crop rotation regulations of potatoes, flower bulbs, nursery plants and perennials]. Neth. Plantenziektenkundige Dienst. Ber. 1651,4 p. Aug.27,1965. 464.9 N38
For nematode control.
- 52617 ORBACH, H. G. Longevity studies of the larval stages of a phytoparasitic nematode, *Ditylenchus trifurmis*, using a modified life table technique. Diss. Abs. 26(8):4906. Feb.1966. 241.8 M58
- 52618 PURNELL, R. E., and HAGUE, N. G. M. The control of plant parasitic nematodes by water-dispersed nematocides. II. Field experiments on the control of *Ditylenchus dipsaci* (Kuhn) Filipjev in *Narcissus* bulbs. Hort. Res. 5(2):65-75. Nov.1965. 80 H7892
- 52619 ROMAN, J. Nematodes of Puerto Rico; the genus *Helicotylenchus* Steiner, 1945 (Nematoda: Hoplolaiminae). P. R. (Rio Piedras) Agr. Exp. Sta. Tech. Pap. 41,23 p. Ref. Sept.1965. 100 P83T
Plant parasites.
- 52620 ROY, A. K. Nematodes and plant diseases. Indian Farming 15(6):27-29. Sept.1965. 22 In283
- 52621 SCOGNAMIGLIO, A. Triennial trials of biological control against various species of nematodes by fungi. (It) Ann. Sperim. Agr. (n.s.) 17(5/6):527-559. Ref. 1963, pub.1965. 16 An76
English summary.
- 52622 SHEPHERD, R. L. Reaction of *Trifolium repens* L. to root-knot nematodes, *Meloidogyne incognita* acrita. Diss. Abs. 26(3):1271. Sept. 1965. 241.8 M58
- 52623 SINGH, R. S. Control of root knot of tomato with organic soil amendents. FAO Plant Protect. Bull. 13(2):35-37. Ref. Apr.1965. 421 P692
Meloidogyne sp.
- 52624 SOUZA, G. I. D'. The pathogenicity of *Pratylenchus vulnus* to peach. Diss. Abs. 26(3):1273-1274. Sept.1965. 241.8 M58
- 52625 SULLIVAN, D. T., and ENZIE, J. V. Selected grape varieties on nematode-resistant rootstocks. N. Mex. Agr. Exp. Sta. Bull. 503,14 p. Ref. 1965. 100 N465
- 52626 SYMPOSIUM ON NEMATOTOLOGY. Invitational papers presented at the fifty-sixth annual meeting of the American Phytopathological Society, Lafayette, Indiana, 23-26 August 1964. Phytopathology 55(11):1159-1167. Ref. Nov.1965. 464.8 P56
- 52627 WASILEWSKA, L. *Ditylenchus medicaginis* sp. n., a new parasitic nematode from Poland (Nematoda, Tylenchidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(3):167-170. 1965. 512 W262
On alfalfa.
- 52628 WASILEWSKA, L. *Tylenchus* (*Tylenchus*) *baloghi* Andrassy, 1958 in Poland (Nematoda, Tylenchidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(3):163-165. 1965. 512 W262
Found on alfalfa roots.
- 52629 WASILEWSKA, L. *Tylenchus sandneri* sp. n. a new nematode from Poland (Nematoda, Tylenchidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(2):87-89. 1965. 512 W262
Found in the soil under alfalfa.
- 52630 WINCHESTER, J. A. Control of root-knot nematodes [*Meloidogyne incognita* acrita] on sugarcane in Florida. Sugar Journal 28(10):22-23. Mar.1966. 65.8 Su391

ECOLOGY

- 52631 AFANAS'EV, D. Y. Phytocoenotypes of Dnieper meadows. (Ukr) Ukr. Bot. Zhur. 21(4):95-100. Ref. 1964. 450 J8212J
English summary
- 52632 ALDAKIMOVA, A. YA. "Flowering" of water caused by blue-green algae, and their role in the biology of the Sea of Azov. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:122-128. (Not in Lib.)
Abstracted in Ref. Zh. Biol. 19(sect.D):30. Oct.1965. 241.7 R25
- 52633 ALLEN, P. H. White pine understories in New Hampshire. Diss. Abs. 26(8):4190-4191. Feb.1966. 241.8 M58
- 52634 ARIFKHANOVA, M. M. Ephemeral plant communities of the Fergana Valley. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:122-128. 1964. 442.9 T18
- 52635 ARIFKHANOVA, M. M. Psammophytic brush vegetation of the Fergana Valley. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:133-137. 1964. 442.9 T18
Ecology.
- 52636 AUBREVILLE, A. Instability of biological balance in the eastern tropical forests of Australia and New Caledonia. (Fr) Acad. Sci. Compt. Rend. 261(17):3463-3466. Oct.27, 1966. 505 P21
- 52637 BAALMAN, R. J. Vegetation of the Salt Plains National Wildlife Refuge, Jet, Oklahoma. Diss. Abs. 26(3):1302. Sept.1965. 241.8 M58
Plant communities.

- 52638 BABAEV, G. B. Role of phytoplankton in nutrition of some benthonic invertebrates. (Rus) *In* *Gidrobiol. i ikhtiolog. na Yuzhn. Kaspii i vnutr. vodoemakh Azerbaidzhana* 1965:54-63. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.D):24. Nov.1965. 241.7 R25
- 52639 BAUMER, M. Some vernacular names of Saudi Arabia used in ecology. (Fr) *J. Agr. Trop. Bot. Appl.* 12(1/3):5-22. Jan./Mar.1965. 26 J822
Includes plant names.
- 52640 BELL, M. A. M. Phytocoenoses in the dry subzone of the Interior Western Hemlock Zone of British Columbia. *Diss. Abs.* 26(8):4191-4192. Feb.1966. 241.8 M58
- 52641 BILLINGS, W. D., and ANDERSON, L. E. Some microclimatic characteristics of habitats of endemic and disjunct bryophytes in the southern Blue Ridge. *Bryologist* 69(1):76-95, map. Ref. Spring 1966. 450 B84
- 52642 BLISS, L. C. Plant productivity in alpine microenvironments on Mt. Washington, New Hampshire. *Ecol. Monogr.* 36(2):125-155, map. Ref. Spring 1966. 410 Ec72
- 52643 BOSSEAUX, M. E. Vegetation and flora of the islands Saint Pierre and Miquelon. II. (Fr) *J. Agr. Trop. Bot. Appl.* 12(4/5):194-210. Apr./May 1965. 26 J822
Ecological.
- 52644 BRANSON, F. A., MILLER, R. F., and MCQUEEN, I. S. Plant communities and soil moisture relationships near Denver, Colorado. *Ecology* 46(3):311-319. Ref. Spring 1965. 410 Ec7
- 52645 BUDOWSKI, G. Distribution of tropical American rain forest species in the light of successional processes. *Dasonomia Interamer.* 1:40-42. Mar.1965. 99.8 D264
- 52646 CHERNOUSOVA, V. M. Blue-green algae—new indicators of contamination. (Rus) *Gidrobiol. Zh.* 1(2):60. 1965. 442.8 R92
Water.
Abstracted in Ref. Zh. Biol. 21(sect.D):30. Nov.1965. 241.7 R25
- 52647 COTTAM, G., and WILSON, H. C. Community dynamics on an artificial prairie. *Ecology* 47(1):88-96, map. Ref. Winter 1966. 410 Ec7
In Wisconsin.
- 52648 CULLEN, N. A. Invermay trials show importance of competition between pasture species. *New Zeal. J. Agr.* 112(2):31-32. Feb.1966. 23 N48J
- 52649 DAGNELIE, P. The study of plant communities by the statistical analysis of correlations between species and ecological variables: an example. (Fr) *Biometrics* 21(4):890-907. Dec. 1965. 442.8 B5224
English summary.
- 52650 DANIN, A., ORSHAN, G., and ZOHARY, M. Vegetation of the Neogene sandy areas of the northern Negev. *Israel J. Bot.* 13(2/4):208-233, map. Ref. Mar.1965. 450 Is7
Plant communities and association, Israel.
- 52651 DELPECH, R. An agronomical application of experimental phytosociology: contribution to the study of the action of mineral fertilization on the vegetation of permanent pastures of the Saone Valley. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(1):50-60. Jan.5/12,1966. 14 P215Bc
- 52652 DJAZIREI, M. H. Contribution to the study of Caspian primeval forests. (Fr) *Gembloux. Inst. Agron. Etat. Bull.* 33(1):35-75, map. 1965. 105.1 G285
English summary.
Ecology.
- 52653 DOMINIK, T. Investigations on the mycotrophy of beech associations on the Baltic coast. 43 p. Ref. (OTS 61-11329) Transl. 14989
Translation from *Ekologia Polska. Ser. A*, 5 (7):213-256. 1957.
CFSTI: \$2.00.
- 52654 DOMINIK, T., and PACHLEWSKI, R. Investigations on the mycotrophy of pine associations in Leba on the Baltic Coast. 38 p. (OTS 61-11331) Transl. 14292
Translation from *Polskie Towarzystwo Botaniczne. Sekcja Dendrologiczna. Rocznik* 10: 53-96. 1955.
CFSTI: \$0.50.
- 52655 DOYON, D. Semi natural pastures of *Festuca rubra* on certain soils of limestone origin. (Fr) *Natur. Can.* 92(3/5):109-120. Ref. Mar./May 1965. 410 N216
Chiefly ecology.
- 52656 DUDKA, I. A. Ecology and seasonal dynamics of aquatic Hyphomycetes of the southern part of the Kiev Polesse. (Ukr) *Ukr. Bot. Zhur.* 21(5):50-57. Ref. 1964. 450 J8212J
English summary.
- 52657 ELISEEVA, V. M. The problem of change in the natural vegetation of swamps due to the effects of drainage. (Rus) *Vsesoyuznoe Botanicheskoe Obshchestvo. Tomskoe Otdelenie. Izvestiya* 5:85-87. 1964. (Not in NAL)
Chiefly ecology, plant associations.
Abstracted in Ref. Zh. Biol. 19(sect.V):26. Oct.1965. 241.7 R25
- 52658 FINA, A. L. DE. Agro-ecological survey. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 214:79-80. Oct.1965. 9 Id3
Method of studying the plant ecology of a locality.
- 52659 GANAPATI, S. V., and others. The ecology of solar sewage drying beds in the Pirana Sewage Farm at Ahmedabad. *Hydrobiologia* 26(1/2): 242-270. Ref. Aug.16,1965. 410 H992
I. P. S. Prasadaraao, S. H. Godbole, V. Kothandaraman, and T. Koshy, joint authors.
Includes plankton.
- 52660 GOTO, F., and others. Studies on the phytotron and its environmental condition. XII. On the environmental condition of the plant community of tobacco in sandy field. (Ja) *Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap.* 107:1-23, map. 1965. 385 J273
S. Tanaka, S. Sugita, T. Chuman, S. Matsumoto, Y. Ogura, H. Kume, K. Noguchi, H. Yamanaoka, Y. Kinoshita, and H. Kitanosono, joint authors.
English summary.
- 52661 GRANIER, P. The role of extensive stock raising in the modification of the vegetation of Madagascar. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 18(3):293-305. Ref. 1965. 41.8 R3262
English summary.
- 52662 GRODZINSKA, K., and ZARZYCKI, K. Pasture communities in Southern Poland. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(9):523-531. Ref. 1965. 512 W262
- 52663 GUSEVA, K. A. The role of blue-green algae in reservoirs and factors involving their large-scale development. (Rus) *In* *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:12-33. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):37. Oct.1965. 241.7 R25
- 52664 HAYES, A. J. The ecological bottleneck. *Sylva [Edinburgh]* 46:15-17. 1963/66. 99.8 Sy53
- 52665 HILD, J. Eco-sociological investigations of some potholes on the Lower Rhine. (Ge) *Deut. Bot. Ges. Ber.* 78(7):289-304. Ref. 1965. 451 D48
Littoral and aquatic vegetation.
- 52666 HOFFMAN, G. R. Ecological studies of *Furnaria hygrometrica* Hedw. in eastern Washington and northern Idaho. *Ecol. Monogr.* 36(2): 157-180, map. Ref. Spring 1966. 410 Ec72
- 52667 HOLGATE, P. Tests of randomness based on distance methods. *Biometrika* 52(3/4):345-353. Ref. Dec.1965. 442.8 B522
Plant distribution.

- 52668 HOUGH, A. F. A twenty-year record of under-story vegetational change in a virgin Pennsylvania forest. *Ecology* 46(3):370-373. Spring 1965. 410 Ec7
- 52669 HUECK, K. Die Walder Sudamerikas; Okologie Zusammensetzung und wirtschaftliche Bedeutung [The forests of South America; ecology, composition, and economic importance]. Stuttgart, Fischer, 1966. 422 p. (Walter, Heinrich, Vegetationsmonographien der einzelnen Gross-reume, V.2.). 452.9 W17
Bibliography, p.399-414.
- 52670 ILVES, A. Plant cover and afforestation of dunes. (Es) *Eesti Loodus* 1:19-23. Jan./Feb. 1966. 409.6 Ee7
- 52671 KANODA, N. N. Blue-green algae in the phyto-plankton of experimental ponds of Turkmenia. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:155-159. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):39. Oct.1965. 241.7 R25
- 52672 KIMERIDZE, K. P. Blister sedge [*Carex vesicaria*] community on hillside in Georgia. (Geo) *Akad. Nauk Gruz. SSR. Soobshch.* 37(2):403-410. 1965. 511 Ak146
Abstracted in Ref. Zh. Biol. 21(sect.V):26. Nov.1965. 241.7 R25
- 52673 KUJALA, V. Metsa- ja suokasvilajien levinnei-syys- ja yleisyssuhteista suomessa [On the frequency relations of forest and marsh plants in Finland]. Finland. *Metsantutkimuslaitos. Julkaisuja* 59,137 p.,map. 1965. 99.9 F493
German summary.
- 52674 KUNKEL, G. The site: competence factor in formation of stilt-roots. (Ge) *Biol. Zentralbl.* 84(5):641-651. Ref. Sept./Oct.1965. 442.8 B523
English summary.
26 trees from swamps and forests in Liberia.
- 52675 KURKIN, K. A. Principles of the natural clas-sification of meadow biogeocoenoses. (Rus) *Bot. Zhur. [Moscow]* 50(11):1523-1535. Ref. Nov.1965. 451 R923
English summary.
- 52676 LEEUWEN, C. G. VAN. The botanical control of nature reserves based on structure ecology. (Du) *Gorteria* 3(2):16-28. Mar.1,1966. 450 G68
English summary.
- 52677 LEVIN, M. H. Early stages of secondary suc-cession on the Coastal Plain, New Jersey. *Amer. Midland Natur.* 75(1):101-131, map. Ref. Jan.1966. 410 M58
Plant ecology.
- 52678 LIND, E. M. The phytoplankton of some Kenya waters. *East Afr. Natur. Hist. Soc. Nat. Mus. J.* 25(2):76-91. June 1965. 410.9 Ea73
- 52679 LYAKHNOVICH, V. P., and PROSYANIK, L. V. Development of blue-green algae in ponds of varying productivity in the Belorussian SSR. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:139-144. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):39. Oct.1965. 241.7 R25
- 52680 MANDOSSIAN, A. J. Some aspects of the eco-logical life history of *Sarracenia purpurea*. *Diss. Abs.* 26(8):4196-4197. Feb.1966. 241.8 M58
- 52681 MCGILCHRIST, C. A. Analysis of competition experiments. *Biometrics* 21(4):975-985. Dec. 1965. 442.8 B5224
Plants.
- 52682 MINTER, K. W. Standing crop and community structure of plankton in oil refinery effluent holding ponds. *Diss. Abs.* 26(3):1840. Sept. 1965. 241.8 M58
- 52683 MOLINIER, R., and TALLON, G. On the for-est of Camargue. (Fr) *Terre Vie* 19(1/2):135-185. Ref. Jan./June 1965. 410.9 P21
Chiefly ecology.
- 52684 MOMMAERTS, J. P. The artificial lake Warche at Robertville: seasonal variations and biome. (Fr) *Natur. Belg.* 47(1):30-45. Jan. 1966. 410.9 N21
Includes algae.
- 52685 MOUNTIER, N. S., and RADCLIFFE, J. E. Problems in measuring pasture composition in the field. 4. Observer variation with the point method. *New Zeal. J. Bot.* 3(4):243-252. Dec. 1965. 450 N48
Statistical method of evaluating plant as-sociations.
- 52686 NAUMENKO, Z. M. The northern limit of the distribution of Dahurian larch [*Larix gmelini*] in the regions adjoining the Kolyma Basin. (Rus) *Bot. Zhur. [Moscow]* 51(1):40-49, map. Ref. Jan.1966. 451 R923
English summary.
- 52687 NAZIROVA, Z. M. Broadleaved forests of Ci-sural lowland of Bashkir ASSR. (Rus) *Bash-kirskii Universitet. Uchenye Zapiski* 19:57-73. 1964. (Not in NAL)
Ecology.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 9:5. Sept.1965. Film S-203
- 52688 NELEN, E. S. The micromycetes of the plant formations and communities of the Zeya-Bure-ya Plain (the Amur Region). (Rus) *Bot. Zhur. [Moscow]* 51(1):128-131. Ref. 1965. 451 R923
- 52689 PACHLEWSKI, R., and GAGALSKA, J. Investi-gations on the mycotrophy of oaks in Poland, bioecological conditions being considered. 13 p., map. Ref. (OTS 61-11333)
Transl. 14997
Translation from *Acta Societatis Botanicorum Poloniae* 22(3):561-576. 1953.
CFSTI: \$.50.
- 52690 PEARSON, L. C. Primary production in grazed and ungrazed desert communities of eastern Idaho. *Ecology* 46(3):278-285. Ref. Spring 1965. 410 Ec7
Artemisia tridentia and *Stipa comata*.
- 52691 PINKERTON, J. B. Ecology for the public at Federation Forest. *J. Forest.* 64(4):253-254. Apr.1966. 99.8 F768
An exhibit at the Federation Forest State Park (Enumclaw, Wash.).
- 52692 PRASAD, B. N., and SRIVASTAVA, P. N. Thermal algae from Himalayan hot springs. *Nat. Inst. Sci. India. Proc.* 31(1/2,pt.B):45-53. Apr.1965. 513 N212
- 52693 RAMSAY, D. M., and LEEUW, P. N. DE. An analysis of Nigerian savanna. III-IV. *J. Ecol.* 53(3):643-677. Ref. Nov.1965. 450 J829
- 52694 RANDALL, J. E. Grazing effect on sea grasses by herbivorous reef fishes in the West Indies. *Ecology* 46(3):255-260. Ref. Spring 1965. 410 Ec7
Thalassia testudinum and *Cymodocea ma-natorium*.
- 52695 REINIKAINEN, A. Vegetationsuntersuchungen auf dem Walddungs-Versuchsfeld des Moores Kivisuo, Kirchsp. Leivonmaki, Mittel-finnland [Investigation of the vegetation of the forest experimental fields of the Kivisuo marsh, Leivonmaki Parish, MidFinland]. Fin-land *Metsantutkimuslaitos. Julkaisuja* 59,62 p., map. Ref. 1965. 99.9 F493
Ecology.
- 52696 SABARDINA, G. S. Distribution of several spe-cies of wild meadow plants relative to the phosphorus and potassium content of the soil. (Rus) *Latvijas PSR Zinatnu Akademija. Insti-tut Biologii. Rastitel'nost' Latviiskoi SSR* 4: 225-239. Ref. 1964. 451 R44
Ecological characteristics and soil analysis.
Abstracted in Ref. Zh. Biol. 19(sect.V):19. Oct.1965. 241.7 R25
- 52697 SAKAI, K., and IYAMA, S. Studies on competi-tion in plants and animals. XI. Competitive abil-ity and density response in barley. *Jap. J. Breeding* 16(1):1-9. Mar.1966. 64.8 J27

- 52698 SCHLITTLER, J. Investigations on mountain botany in the Herens Valley; floristic composition of alpine pastures with known P content of forage. (Ge) Schweiz. Landwirt. Monatsh. 43(6/7):225-255. June/July 1965. 17 Sch93
- 52699 SCHRAMM, J. R. Plant colonization studies on black wastes from anthracite mining in Pennsylvania. Amer. Phil. Soc. Trans. 56(1):194 p. Ref. Feb. 1966. 500 P533T
- 52700 SHACKLETTE, H. T. A leafy liverwort hydrosera on Yakobi Island, Alaska. Ecology 46(3): 377-378. Spring 1965. 410 Ec7
Nardia compressa and Scapania paludosa leading to the development of Cladothamnus pyrolae-florus.
- 52701 SMIRNOV, N. N., and FEOKTISTOVA, O. I. Effect of blue-green on aquatic animals and plants. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:212-223. Ref. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):42. Oct. 1965. 241.7 R25
- 52702 SMIRNOVA, A. D. Ad oecologiam et distributionem geographicam musci Hylocomium umbratum (Hedw.) B. S. G. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Novosti Sist. Nizshikh Rast. 1965:266-273. Ref. 451 Ak15N
Text in Russian.
- 52703 SMIRNOVA, G. A. Interrelations of the components in binary agrophytocoenoses. (Ukr) Ukr. Bot. Zhur. 21(6):46-52. 1964. 450 J8212J
English summary.
Corn and soybeans.
- 52704 SOROKIN, YU. I., and others. Experiment in the use of radioactive carbon for studying the trophic role of blue-green algae. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:235-240. (Not in Libr.)
A. V. Monakov, E. D. Mordukhai-Boltovskaya, E. A. Tsikhon-Lukanina, and R. A. Rodova, joint authors.
Abstracted in Ref. Zh. Biol. 19(sect.D):28. Oct. 1965. 241.7 R25
- 52705 STANGA, N., and NIEDERMAIER, K. Vegetation and alpine meadow soils in the Cibin Mountains, as affected by liming and fertilizing. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:149-171. Ref. 1964, pub. 1965. 21 R86A
English summary.
- 52706 STEPHENSON, S. N., and BUELL, M. F. The reproducibility of shrub cover sampling. Ecology 46(3):379-384. Spring 1965. 410 Ec7
In New Jersey.
- 52707 STOCKER, O. A plant-geographical climatic diagram. Israel J. Bot. 13(2/4):154-165. Ref. Mar. 1965. 450 Is7
Plant distribution and climate.
- 52708 STROGANOV, N. S. Interrelationships between blue-green algae and other aquatic organisms. (Rus) In Biologiya sinezelenykh vodoroslei 1964:80-98. Ref. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):41-42. Oct. 1965. 241.7 R25
- 52709 TADMOR, N. H., and ORSHAN, G. Competition between Avena sterilis L. and Stipa tortilis Desf. under conditions of adequate water supply. Israel J. Bot. 13(2/4):234-245. Ref. Mar. 1965. 450 Is7
- 52710 TATEWAKI, M., ITO, K., and TOYAMA, M. Phytosociological study on the forests of Japanese larch (Larix leptolepis Gordon). (Ja) Hokkaido Univ. Coll. Exp. Forests. Res. Bull. 24(1):1-176, map. Ref. 1965. 99.9 H68
English summary.
- 52711 TAYSI, M. V. The importance of temperature as factor in the agricultural ecology of Turkey. (Ge) Z. Acker- Pflanzenbau 123(3):225-241, map. Ref. Feb. 1966. 18 J825
English summary.
Plants.
- 52712 TELITCHENKO, M. M., and GUSEV, M. V. Interrelationships between some blue-green algae and bacteria, crustaceans, and fish. (Rus) In Biologiya sinezelenykh vodoroslei 1964:99-110. Ref. (Not in Libr.)
English summary.
Abstracted in Ref. Zh. Biol. 19(sect.D):42. Oct. 1965. 241.7 R25
- 52713 TIRDEA, C., and TIRDEA, A. Climatological characteristics of vineyards of Rumania as expressed in graphic correlations between temperature and precipitation. (Rum) Gradina Via Livada 14(5):17-22. May 1965. 80 G75
Microclimate.
- 52714 TISDALE, E. W., HIRONAKA, M., and FOSBERG, M. A. An area of pristine vegetation in Craters of the Moon National Monument, Idaho. Ecology 46(3):349-352, map. Spring 1965. 410 Ec7
Composed chiefly of Artemisia spp.
- 52715 VOGL, R. J. Salt-marsh vegetation of upper Newport Bay, California. Ecology 47(1):80-87. Ref. Winter 1966. 410 Ec7
- 52716 VYLTSAN, N. F. Floodplain meadows of the river Ket (Tomsk Region). (Rus) Vsesoyuznoe Botanicheskoe Obshchestvo. Tomskoe Otdelenie. Izvestiya. 5:49-59. 1964. (Not in NAL)
Ecology.
Abstracted in Ref. Zh. Biol. 19(sect.V):26-27. Oct. 1965. 241.7 R25
- 52717 WEST, N. E. An analysis of montane forest vegetation on the east flank of the central Oregon Cascades. Diss. Abs. 26(3):1310-1311. Sept. 1965. 241.8 M58
- 52718 WHITE, K. L. Shrub-carrs of southeastern Wisconsin. Ecology 46(3):286-304. Ref. Spring 1965. 410 Ec7
Chiefly Salix petiolaris and Cornus stolonifera.
- 52719 WHITTAKER, R. H. Forest dimensions and production in the Great Smoky Mountains. Ecology 47(1):103-121. Ref. Winter 1966. 410 Ec7
- 52720 WIEDEMAN, V. E. Chemical analyses and algal composition in a waste-stabilization pond system. Southwest. Natur. 10(3):188-210. Ref. July 1, 1965. 409.6 So8
In Texas.
- 52721 WIERMANN, R. Reflections on moor ecology and vegetation history on the Aussendeichsmoor at Sehestedt (Jade Bay). (Ge) Deut. Bot. Ges. Ber. 78(7):269-278. Ref. 1965. 451 D48
Chiefly effects of the hurricane tidal wave of Feb. 1965.
- 52722 WILSON, A. T. Escape of algae from frozen lakes and ponds. Ecology 46(3):376. Spring 1965. 410 Ec7
In Antarctica
- 52723 YATO, K. I. Ecological observation on Quercus phillyraeoides A. Cray. II. (Ja) Mie Univ. Fac. Agr. Bull. 31:129-135. Ref. Mar. 1965. 107.6 T78
- 52724 YATO, K. I. Ecological studies on the subalpine forest in the Kii Peninsula. IV. 6. The corticolous communities of mosses and seedling of Picea jezoensis var. Hondoensis. 2. (Ja) Mie Univ. Fac. Agr. Bull. 32:35-54. Ref. Sept. 1965. 107.6 T78
- 52725 ZAIKOVA, V. A. The dependence of the species composition and abundance of mosses in meadow phytocoenoses on the environmental conditions. (Rus) Bot. Zhur. [Moscow] 51(1):50-63. Ref. Jan. 1966. 451 R923
English summary.
- 52726 ZAITSEVA, G. YA. Utilization of blue-green algae by fish in the Kakhovskoe Reservoir. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:245-249. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):38. Oct. 1965. 241.7 R25

- 52727 ZAKHARZHEVSKII, J. V. The yew (*Taxus baccata* L.) in the Karabi-yayla Mt. (Crimea). (Rus) Bot. Zhur. [Moscow] 51(1):124-126. 1965. 451 R923

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 52728 ABBAS, A., and GODWARD, M. B. E. Cytological effects of gibberellic acid (gibberellin A₃) on *Draparnaldia plumosa* (Vauch.) Ag. Cur. Sci. 34(24):699. Dec.20,1965. 475 Sci23
- 52729 ABDEL-HALIM, M. A. R. Presence and composition of the middle lamella in higher plants. Diss. Abs. 26(9):4987-4988. Mar.1966. 241.8 M58
- 52730 ABDURAKHMANOV, A. A., and ALEKSEEV, A. M. Water composition in protoplasm and effect of electrolytes on it. (Rus) Kazanskii Universitet. Uchebnye Zapiski 124(7):3-19. 1965. 511 K18V
Broadbeans.
Abstracted in Ref. Zh. Biol. 21(sect.A):12. Nov.1965. 241.7 R25
- 52731 ABRAMOVA, L. I. A contribution to the caryo-systematics of some species of *Polygonatum* Mill. (Rus) Bot. Zhur. [Moscow] 50(11):1635-1638. Ref. Nov.1965. 451 R923
- 52732 ALBERSHEIM, P. Biogenesis of the cell wall. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.298-321. Ref. 1965. QK861.B6
- 52733 ALBERSHEIM, P. The substructure and function of the cell wall. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.151-186. Ref. 1965. QK861.B6
- 52734 ALEKSANDROV, V. YA., and others. Effect of heavy water D₂O on resistance of plant and animal cells, cell models and proteins to certain denaturing factors. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(1,pt.2):T128-T134. Ref. Jan./Feb.1966. 442.9 F31P
N. I. Arronet, E. I. Den'ko, and M. F. Konstantinova, joint authors.
Campanula persicoefolia.
Translation from Tsitologiya 6(6):667. 1964.
- 52735 AMELUNXEN, F. Electron microscope investigations of the glandular scales of *Mentha piperita* L. (Ge) Planta Med. 13(4):457-473. Ref. Nov.1965. 450 P697
English summary.
- 52736 ANDRES, J. The presence and the mode of development of lateral shoots placed on the base of the leaves of young sporophyte fern, *Marsilea vestita*. (Fr) Acad. Sci. Compt. Rend. 261(21):4483-4486. Nov.22,1965. 505 P21
- 52737 ARMAI, L. Hazelnut shrub in Hungary. (Hu) Elovilag 10(4):216-218. 1965. 410 EL6
Chiefly morphology.
- 52738 ARNAL, C., and PETIT, D. Inducement of newly formed shoots in the cotyledonous axil of *Pisum sativum*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):458-460. Jan.24,1966. 505 P21
- 52739 ARNAL, C. Revision of terminal inflorescence of *Sinapis alba* L. induced by various photoperiodic systems. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1077-1080. Mar.7,1966. 505 P21
- 52740 BAJER, A. Subchromatid structure of chromosomes in the living state. Chromosoma 17(4):291-302. Ref. 1965. 442.8 C46
Haemanthus katherinae.
- 52741 BANCILHON, L. Demonstration of differentiation gradients during the vegetative development of *Phyllanthus amarus* Schum. and Thorn. (Euphorbiaceae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1228-1231. Mar.14, 1966. 505 P21
- 52742 BERKALOFF, C. Observations on the infra-structural organisation of a *Volvocales*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1232-1234. Mar.14,1966. 505 P21
From the genus *Dunaliella*.
- 52743 BESSON, J. M. Differentiation of the vegetation cones in summer wheats, studied in the Relin variety. (Ge) Grune 93(21):733-743. Ref. May 21,1965. 17 Sch9
- 52744 BHATNAGAR, S. P., and JOSHI, P. C. Morphological and embryological studies in the family Santalaceae. Nat. Inst. Sci. India. Proc. 31(1/2,pt.B):34-44. Ref. Apr.1965. 513 N212
- 52745 BONNER, J. Cell and subcell. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.3-13. Ref. 1965. QK861.B6
- 52746 BONNER, J. The nucleus. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.38-63. Ref. 1965. QK861.B6
- 52747 BONNER, J. Ribosomes. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.21-37. Ref. 1965. QK861.B6
- 52748 BONNER, W. D. Mitochondria and electron transport. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.89-123. Ref. 1965. QK861.B6
Their structure and chemical function.
- 52749 BOPP, M., and BOHRS, H. L. Experiments on the analysis of the protonema development in mosses. III. Regeneration of caulonema of *Funaria hygrometrica*. (Ge) Planta 67(4):357-374. Ref. 1965. 450 P693
English summary.
- 52750 BOPP, M., and BOPP-HASSENKAMP, G. Influencing cell elongation with 5-FDUR [5-fluoro-2-deoxyuridine]. (Ge) Naturwissenschaften 52(24):664. Dec.15,1965. 474 N213
Kalachoe daigremontiana.
- 52751 BORG, A. Albinism of grain. (Sw) Skand. Kreatursforsakringsbolaget. Manadsbl. 43(5/6):50-52. 1965. 49.9 Sk1
- 52752 BRACHET, J., and SIX, N. Some new observations on the relations between ribonucleic acid synthesis and morphogenesis in *Acetabularia* [mediterranea]. (Fr) Planta 68(3):225-239. Ref. 1966. 450 P693
English summary.
- 52753 BRADLEY, D. E. Observations on the mastigonemes of two Chrysophyceae using negative staining. Quart. J. Microscop. Sci. 106(4):327-331. Ref. Dec.1965. 440.8 Q2
Synura spinosa and *Mallomonas akrokomos*.
- 52754 BUTTERFASS, T., and SCHLAYER, G. Contradictory results in the determination of the degree of endopolyploidy in sugar beets by means of inducing mitosis. (Ge) Chromosoma 17(4):303-308. Ref. 1965. 442.8 C46
English summary.
- 52755 CARLETON, A. E., and FOOTE, W. H. A comparison of methods for estimating total leaf area of barley plants. Crop Sci. 5(6):602-603. Nov./Dec.1965. 64.8 C883
- 52756 CARPENTER, E. D., and WATSON, D. P. The initiation and differentiation of flower buds of four rosaceous ornamental shrubs. Amer. Soc. Hort. Sci. Proc. 86:806-808. June 1965. 81 So12
- 52757 CARTIER, D. Karyology of plantains [*Plantago*] of the section *Oreades* Decne. (Fr) Acad. Sci. Compt. Rend. 261(21):4475-4482. Nov.22, 1965. 505 P21
Plantago monosperma, *P. nivalis* and *P. atrata*.
- 52758 CHOPRA, R. N., and BASU, B. Female gametophyte and endosperm of some members of the Cucurbitaceae. Phytomorphology 15(3):217-223. Ref. Sept.1965. 450 P566
- 52759 CHUBIRKO, M. M. Microsporangogenesis and the development of the male gametophyte of *Trifolium repens* L. (Rus) Bot. Zhur. [Moscow] 50(11):1578-1584. Ref. Nov.1965. 451 R923
- 52760 COCKROFT, B., and WALLBRINK, J. C. Root distribution of orchard trees. Australian J. Agr. Res. 17(1):49-54. Ref. Jan.1966. 23 Au783
Effects of soils in peach and pear orchards.

- 52761 CODACCIONI, M. Description of a plant, *Mentha viridis*, in the stage of torsion of constraint and its terminal shoot. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):467-470. Jan.24,1966. 505 P21
- 52762 CRETE, P., GUIGNARD, J. L., and MESTRE, J. C. Embryogeny of Ulmaceae: development of embryo in *Ulmus campestris* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(9):986-988. Feb.28,1966. 505 P21
- 52763 CUDIA, S. J. Modified remnants of centripetal xylem in the leaf trace of *Cephalotaxus*, Sieb. et Zucc. Diss. Abs. 26(8):4193. Feb. 1966. 241.8 M58
- 52764 CZANINSKI, Y. The application of Baker's method to demonstrate phospholipides and the chondriom of some plant tissues. (Fr) Acad. Sci. Compt. Rend. 261(14):2705-2708. Oct.4, 1965. 505 P21
Tested in onions.
- 52765 DAS, S., and BANERJI, M. L. Pollen morphology of a new species of *Cuscuta*. Cur. Sci. 35 (4):105-106. Feb.20,1966. 475 Sci23
Cuscuta santapau; comparison with other *Cuscuta* spp.
- 52766 DELISLE, D. G. Notes on some plant chromosome numbers. Southwest. Natur. 10(3):211-213. July 1,1965. 409.6 So8
- 52767 DELONE, N. L., EGOROV, B. B., and ANTIPOV, V. V. The sensitivity of mitotic phases of *Tradescantia paludosa* microspores to "Voskhod-1" space ship flight factors. (Rus) Akad. Nauk SSSR. Dokl. 166:713-715. 1966. 511 P444A
- 52768 DENISOVA, G. M. Formation of shoots in *Thalictrum minus* L. (Rus) Bot. Zhur. [Moscow] 50(11):1645-1647. Nov.1965. 451 R923
- 52769 DEXHEIMER, J. Cytoplasmic structure in the pollen tubes of the *Lobelia erinus* L. (Fr) Acad. Sci. Compt. Rend. 261(2):507-508. July 12,1965. 505 P21
- 52770 DEXHEIMER, J. Modifications of the endoplasmic reticulum of pollen grains in *Lobelia erinus* (L.), treated with chloramphenicol. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):853-855. Feb.21,1966. 505 P21
- 52771 DEYSSON, G., and DELAGE, M. Protective effect of beer yeast extract against the mitoclastic action of colchicine: a study carried out with the *Allium* test. (Fr) Acad. Sci. Compt. Rend. 261(21):4490-4492. Ref. Nov.22,1965. 505 P21
Garlic.
- 52772 DEYSSON, G., and DELAGE, M. Study, with the *Allium* [sativum] test, of the influence of various components of beer yeast on the mitoclastic action of colchicine: protection exercised by a mixture of vitamins of the group B. (Fr) Acad. Sci. Compt. Rend. 261(22):4811-4813. Nov.29,1965. 505 P21
- 52773 DIOMAIUTO-BONNAND, J. Biparcus cyme of *Symphytum officinale*: study of the initiation and development of the first buds; transition into biparous cyme. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1081-1083. Mar.7,1966. 505 P21
- 52774 DIOMAIUTO-BONNAND, J. Inflorescence of *Symphytum officinale*: development of axillary meristems and the gradual growth of anterior meristem. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):638-641. Feb.7,1966. 505 P21
- 52775 DOBRENZ, A. K., MASSENGALE, M. A., and PHILLIPS, W. S. Floral initiation in alfalfa (*Medicago sativa* L.). Crop Sci. 5(6):572-575. Ref. Nov./Dec.1965. 64.8 C883
Development morphology and influence of temperature.
- 52776 DUC-BUI-DANG-HA, and NITSCH, J. P. Stimulation of cellular proliferation with isatin in Jerusalem artichoke. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1235-1238. Mar.14,1966. 505 P21
- 52777 DUVAL, J. C. Evolution of ultrastructures of *Didymium squamulosum* Fr. (Physarales) during the development of sclerotium in the plasmodium. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):850-852. Feb.21,1966. 505 P21
- 52778 EATON, G. W., and JAMONT, A. M. Embryo sac development in the apricot, *Prunus armeniaca* L. cv Constant. Amer. Soc. Hort. Sci. Proc. 86:95-101. June 1965. 81 So12
- 52779 EGAMBERDIEV, A. Cytological characteristics of wheat-rye amphidiploidy. (Rus) Khar'kov. Ukrainskii Nauchno-Issledovatel'skii Institut Rastenievodstva, Selektii, i Genetiti. Nauchnye Trudy 8:154-157. 1964. 451 K523
Abstracted in Ref. Zh. Biol. 21(sect.A):14. Nov.1965. 241.7 R25
- 52780 EID, S. E. Effect of the environment on meiosis. I. High temperature treatment. J. Bot. United Arab Repub. 5:33-59. Ref. 1962, pub. 1965. 450 Eg9
Chiefly *Nothoscordum inodorum* and *Allium*.
- 52781 ESAU, K. Anatomy and cytology of *Vitis phloem*. Hilgardia 37(2), 72 p. Ref. Dec.1965. 100 C12H
- 52782 ESAU, K., and GILL, R. H. Observations on cytokinesis. Planta 67(2):168-181. Ref. 1965. 450 P693
Sugar beets.
- 52783 FAHN, A., and DEMBO, N. Structure and development of the epidermis in articulated *Chenopodiaceae*. Israel J. Bot. 13(2/4):177-192. Ref. Mar.1965. 450 Is7
Includes stomata; *Anabasis* and *Haloxylon* spp.
- 52784 GIFFORD, G. F. Aspen root studies on three sites in northern Utah. Amer. Midland Natur. 75(1):132-141. Ref. Jan.1966. 410 M58
Populus tremuloides.
- 52785 GINSBURG-ARDRE, F. Aggregation of molecules, pseudodichotomy, pseudosympodial structure and the brachyblasts in *Ceramium*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1216-1219. Mar.14,1966. 505 P21
- 52786 GLUSHCHENKO, G. I. Microscopic investigation of *Scopolia carniolica* Jacq. and *S. lurida* Dun. in DC, in relation to questions of sterility. (Ukr) Ukr. Bot. Zhur. 21(4):53-61. 1964. 450 J8212J
English summary.
- 52787 GOLDSTEIN, S., and MORIBER, L. Biology of a problematic marine fungus, *Dermocystidium* sp. I. Development and cytology. Arch. Mikrobiol. 53(1):1-11. Ref. 1966. 442.8 Ar26
- 52788 GOLOVKIN, B. N. Morphological variation of bulbiferous plants in the Arcto-Alpine Botanic Garden. (Rus) Bot. Zhur. [Moscow] 51(1):95-100. Ref. 1965. 451 N923
Induced by acclimatization.
- 52789 GOLYSHEVA, M. G. Morphology of development of the fungus *Eremothecium Ashlii*. 4 p. Transl. 15841
Translation from Akademiya Nauk SSSR. Doklady 73(8):585-587. 1950.
- 52790 GORENFLOT, R. Karyology of Mediterranean and Saharian species of the genus *Plantago* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):878-881. Feb.21,1966. 505 P21
- 52791 GREENBERG, E. A. Variations in the C-mitotic activity of colchicine solutions. Diss. Abs. 26(9):4991. Mar.1966. 241.8 M58
Tests on peas.
- 52792 GRELL, K. G., and SCHWALBACH, G. Investigations with the electron microscope of dinoflagellate chromosomes. (Ge) Chromosoma 17(3):230-245. Ref. 1965. 442.8 C46
English summary.
- 52793 GRUDZINSKAYA, I. A. Inflorescences of *Ulmus* L.; their formation, structure and certain problems of evolution. (Rus) Bot. Zhur. [Moscow] 51(1):15-27. Ref. Jan.1966. 451 R923
English summary.

- 52794 GUILLOT, A. Effect of 6-azauracil on the rhizogenesis in the shoots of young etiolated plants of tomatoes. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1242-1245. Mar.14,1966. 505 P21
- 52795 GUILLOT, A. Influence of 2-thiouracil on the root formation in cuttings of etiolated tomato seedlings. (Fr) Planta 67(1):96-102. Ref. 1965. 450 P693
English summary.
- 52796 GUSHCHIN, P. O. Development and formation of inflorescence in cotton. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:44-62. Ref. 1964. 442.9 T18
- 52797 GUYOT, M. Supernumerary formations of underground stems of the *Azorella trifurcata*. (Fr) Acad. Sci. Compt. Rend. 261(22):4807-4810. Ref. Nov.29,1965. 505 P21
- 52798 HAID, F. Untersuchungen zur Morphologie, Physiologie und biologischen Aktivität von *Alternaria tenuis* [Investigations on the morphology, physiology, and biological activity of *Alternaria tenuis*]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss] 21,84 p. 1965. 509 M923
Bibliography; p.75-82.
- 52799 HALPERIN, W. Experimental studies on embryogenesis in tissue and cell cultures of the wild variety of *Daucus carota*. Diss. Abs. 26 (9):4991. Mar.1966. 241.8 M58
- 52800 HAN, C. Y. Wild *Prunus yedoensis* and its putative parent in Mt. Halla, II. (Ko) Korean J. Bot. 8(1/2):11-18. Mar./June 1965. 450 K84
English summary.
Morphology.
- 52801 HATTEMER, H. H. Two ratios of leaf characters in the identification of hybrid poplar clones. (Ge) Z. Pflanzenzucht. 53(4):371-379. Aug.1965. 450 Z36
English summary.
- 52802 HEDDLE, J. A. Randomness in the formation of radiation-induced chromosome aberrations. Genetics 52(6):1329-1334. Ref. Dec.1965. 442.8 G28
Vicia faba treated with X-rays.
- 52803 HERICH, R. The effect of cobalt on the structure of chromosomes and on the mitosis. Chromosoma 17(2):194-198. 1965. 442.8 C46
Vicia faba.
- 52804 HESS, W. M. Fixation and staining of fungus [*Pyrenochaeta terrestris*] hyphae and host plant [*Allium cepa*] root tissues for electron microscopy. Stain Technol. 41(1):27-35. Ref. Jan. 1966. 442.8 St1
- 52805 HETTINGER, G., BERGMAN, S., and OSTERBERG, S. The relative biological efficiency (RBE) of 30-MeV electrons on haploid yeast. Biophysik 2(4):276-281. Ref. 1965. 442.8 B5242
- 52806 HJELMQVIST, H., and GRAZI, F. Studies on variation in embryo sac development. 2. Bot. Not. 118(4):329-360. Ref. 1965. 450 B656
Oxybaphus nyctagineus, *Mirabilis jalapa* and *Ulmus*.
- 52807 HODCENT, E. Cytologic studies and chronologic data concerning the development of archegonium of *Araucaria araucana*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):630-633. Feb.7,1966. 505 P21
- 52808 HONG, S. W., and CHO, M. K. Effects of absorbed radioactive sulfur (S^{35}) in plant cell. I. Mitotic chromosome aberrations in rye seedling induced by the treatment of S^{35} solution. (Ko) Korean J. Bot. 8(1/2):1-4. Mar./June 1965. 450 K84
English summary.
- 52809 HUBNER, G. Plasmolysis of open internodal cells of *Tolypella nidifica*. (Ge) Deut. Bot. Ges. Ber. 78(7):279-283. 1965. 451 D48
- 52810 HUBNER, G. The water permeability of internodal cells of *Tolypella nidifica*. (Ge) Naturwissenschaften 52(22):619. Nov.15,1965. 474 N213
- 52811 IMKHANITSKAYA, N. N. Structure of leaf epidermis in the contemporary and fossil representatives of the genus *Sassafras* (Lauraceae). (Rus) Bot. Zhur. [Moscow] 51(1):74-82. Ref. 1965. 451 R923
English summary.
- 52812 INTERNATIONAL review of cytology, edited by G. H. Bourne, and J. F. Danielli. Volume 19. New York, Acad. Press, 1966. 419 p. Ref. 442.8 In82
Prepared under the auspices of the International Society for Cell Biology.
Chiefly plants.
- 52813 IWASAKI, F., and HOSODA, T. Studies on bolting in Brassica. I. Relationship between structural change of the shoot apex and bolting in monogenome varieties. (Ja) Jap. J. Breeding 16(1):39-44. Ref. Mar.1966. 64.8 J27
English summary.
- 52814 JAGATHESAN, D., and SREENIVASAN, T. V. A pollen grain squash technique for *Saccharum* and related genera. Stain Technol. 41(1):43-47. Ref. Jan.1966. 442.8 St1
Chromosome count, including *Erianthus*, *Sclerostachya*, and *Narenga*.
- 52815 JEAN, R., LAMBERT, A. M., and LINDER, R. Determination of chromosome formula of *Oenothera nuda* Renner. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(5):548-551. Jan.31,1966. 505 P21
- 52816 JOHN, B., and LEWIS, K. R. The meiotic system. Protoplasmatologia 6(F1),335 p. Ref., p.298-322. 1965. 442 P94
Review of literature.
Includes plants and insects.
- 52817 JOHNSON, R. P. C. Potassium permanganate fixative and the electron microscopy of sieve tube contents. Planta 68(1):36-43. Ref. 1966. 450 P693
Nymphoides peltatum.
- 52818 JONES, A. Cytological observations and fertility measurements of sweetpotato (*Ipomoea batata* (L.) Lam.). Amer. Soc. Hort. Sci. Proc. 86:527-537. June 1965. 81 So12
- 52819 JONSSON, S. Identification of sporophyte of *Songomorpha lanosa* (Roth) Kutz. (Acrosiphoniaceae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):626-629. Feb.7,1966. 505 P21
- 52820 JOST, M., and MATILE, P. Characterization of gas vacuoles of the blue alga, *Oscillatoria rubescens*. (Ge) Arch. Mikrobiol. 53(1):50-58. Ref. 1966. 442.8 Ar26
- 52821 JUGUET, M., and LEBEGUE, A. Embryogenesis of the Rosaceae; development of embryo in *Geum rivale* and *Geum reptans*. (Fr) Acad. Sci. Compt. Rend. 261(22):4814-4817. Nov.29, 1965. 505 P21
- 52822 KAKIZAKI, Y. Studies on tillering of rice plants. I. Relation between spacing density and tillering. (Ja) Tohoku Univ. Inst. Agr. Res. Bull. 16(2):87-104. Ref. Mar.1965. 107.6 T577
English summary.
- 52823 KANIEWSKI, K. Fruit histogenesis in *Nicanandra physaloides* (L.) Gaertn. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(9):553-556. 1965. 512 W262
- 52824 KASYMOVA, KH. N. Microsporogenesis and spermiogenesis in some species of *Erigeron*. (Rus) Uzbekistan. Akademiya Nauk. Doklady 5:49-52. 1965. 511 Uz1
Meiosis.
Abstracted in Ref. Zh. Biol. 21(sect.V):18. Nov.1965. 241.7 R25
- 52825 KEATING, R. C. The comparative morphology and relationships of the Cochlospermaceae. Diss. Abs. 26(9):4992-4993. Mar.1966. 241.8 M58
- 52826 KEFFORD, N. P., BRUCE, M. I., and ZWAR, J. A. Cytokinin activities of phenylurea derivatives—bud growth. Planta 68(3):292-296. 1966. 450 P693
Tests with peas.

- 52827 KITA, F. Studies on the genus *Melilotus* (sweetclover) with special reference to inter-relationships among species from a cytological point of view. Hokkaido Univ. Fac. Agr. J. 54 (2):23-122. Ref. Dec.1965. 107.6 J273J
- 52828 KOHLENBACH, H. W. The behavior of explanted epidermis cells of *Rhoeo discolor* in vitro. (Ge) *Naturwissenschaften* 52(24):667. Dec.15,1965. 474 N213
- 52829 KORDYUM, E. L. Peculiarities of microsporogenesis in *Chaerophyllum aromaticum* L. (Ukr) *Ukr. Bot. Zhur.* 21(4):49-52. Ref. 1964. 450 J8212J
English summary.
- 52830 KRABEN, G. Cytotaxonomical studies in *Pyrolaceae*. *Bot. Not.* 118(4):443-446. 1965. 450 B656
- 52831 KRAPOVICKAS, A., and RIGONI, V. Cytological studies in the genus *Arachis*. 6 p. (TT 64-10698) Transl. 15311
Chromosome numbers.
Translation from *Revista de Investigaciones Agrícolas* 5:288-294. 1949.
Issued by CFSTI.
- 52832 KURSAKOV, G. A. Abnormalities of flowers and fruit of remote hybrids of stone fruit. (Rus) *Bot. Zhur. [Moscow]* 50(11):1585-1589. Ref. Nov.1965. 451 R923
- 52833 LAFONT, A. M., and LEMOIGNE, Y. Mitochondria in the pseudonuclein of *Selaginella wildenovii* Baker; ultrastructure and the process of division. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(9):983-985. Feb.28,1966. 505 P21
- 52834 LANCE-NOUGAREDE, A. The structure of protein fibres in the cavities of the endoplasmic reticulum of the cells of young foliar buds of lentils (*Lens culinaris* L.). (Fr) *Acad. Sci. Compt. Rend.* 261(17):3451-3454. Oct.27, 1965. 505 P21
- 52835 LECOMPTE, M. Observations on the meiosis behavior of some strains of the *Potentilla* L. from the group *Vernae* Th. Wolf. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(6):653-656. Ref. Feb.7,1966. 505 P21
- 52836 LEMESLE, R., and GUYOT, M. Particularities of normal structure of the stem and root of *Azorella trifurcata* Pers. (Fr) *Acad. Sci. Compt. Rend.* 261(2):509-512. July 12,1965. 505 P21
- 52837 LEMOINE-SEBASTIAN, C. Ontogenesis of tegument in the ovule of *Juniperus*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(6):634-637. Feb.7,1966. 505 P21
- 52838 LINDEGREN, C. C., BANG, Y. N., and BOWERS, W. D. A large internal body in yeast mitochondria. *Can. J. Genet. Cytol.* 7(4):589-590. Dec.1965. 443.8 C16
- 52839 LINSKENS, H. F. Adhesion of algal propagative cells. (Ge) *Planta* 68(2):99-110. Ref. 1966. 450 P693
English summary.
- 52840 LINSKENS, H. F. Relief of leaf surfaces. (Ge) *Planta* 68(1):1-14. Ref. 1966. 450 P693
English summary.
- 52841 LOCHMANN, E. R., STEIN, W., and UMLAUF, C. Further investigations on the photodynamic effects of thiopyronine. (Ge) *Biophysik* 2(4):271-275. Ref. 1965. 442.8 B5242
Tests with yeast cells.
- 52842 LOCKHART, J. A. Cell extension. In Bonner, J., and Varner, J. E., ed. *Plant biochemistry*, p.826-849. Ref. 1965. QK861.B6
Chiefly physiological aspects.
- 52843 LUTTGE, U. Investigations on the physiology of the glands of carnivorous plants. V. Microautoradiographic investigations of chloride secretion by the gland tissue of *Nepenthes*. (Ge) *Planta* 68(3):269-285. Ref. 1966. 450 P693
English summary.
Using radioactive chlorine.
- 52844 MAHESHWARI, S. C., and GUPTA, G. R. P. Production of adventitious embryoids in vitro from stem callus of *Foeniculum vulgare*. *Planta* 67(4):384-386. 1965. 450 P693
- 52845 MARKUS, B., and KOLLIPOULOU, H. A qualitative, biological difference in effect from radiation of dividing tissue with fast electrons of varying energy spectrum. (Ge) *Biophysik* 2(4):263-270. Ref. 1965. 442.8 B5242
Onions.
- 52846 MEGO, J. L., and BUETOW, D. E. Influence of cell division of the degree of streptomycin bleaching of *Euglena gracilis*. *J. Protozool.* 13(1):20-23. Ref. Feb.1966. 439.8 J82
- 52847 MESTRE, J. C. Embryogeny of *Meliaceae*; development of embryo in *Cedrela sinensis*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1074-1076. Mar.7,1966. 505 P21
- 52848 MEYER, M. Contributions on aneusomaty represented by *Begonia X tuberhybrida* and some wild species. (Ge) *Biol. Zentralbl.* 84 (5):563-605. Ref. Sept./Oct.1965. 442.8 B523
- 52849 MILLET, B. Periodic variations of the number and length of epidermic cells in the successive internodes of broadbeans (*Vicia faba* L.). (Fr) *Acad. Sci. Compt. Rend.* 261(17):3455-3458. Oct.22,1965. 505 P21
- 52850 MITCHISON, J. M. Some functions of the nucleus. *Int. Rev. Cytol.* 19:97-110. 1966. 442.8 In82
Includes plants.
- 52851 MOLOTKOVSKII, YU. G., and ZHESTKOVA, I. M. Morphologic and functional changes in isolated chloroplasts when heated. (Rus) *Akad. Nauk SSSR. Dokl.* 166(2):488-491. Ref. 1966. 511 P444A
Broadbeans.
- 52852 MUHLETHALER, K., MOOR, H., and SZARKOWSKI, J. W. The ultrastructure of the chloroplast lamellae. *Planta* 67(4):305-323. Ref. 1965. 450 P693
Spinach.
- 52853 MULLER, D. G. Studies on the life cycle of the brown alga *Ectocarpus siliculosus* from Naples, Italy. (Ge) *Planta* 68(1):57-68. Ref. 1966. 450 P693
English summary.
- 52854 MUSICK, G. J., and others. A method of measuring root volume in corn (*Zea mays* L.). *Crop Sci.* 5(6):601-602. Nov./Dec.1965. 64.8 C883
M. L. Fairchild, V. L. Ferguson, and M. S. Zuber, joint authors.
Water-displacement measuring device.
- 52855 NAGAO, T. On the vascular patterns of the roots in tobacco seedlings. (Ja) *Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap.* 107:235-238. Ref. 1965. 385 J273
English summary.
- 52856 NEGBI, M., BALDEV, B., and LANG, A. Studies on the orientation of the mitotic spindle in the shoot apex of *Hyoscyamus niger* and other rosette plants. *Israel J. Bot.* 13(2/4):134-153. Ref. Mar.1965. 450 Is7
Includes effects of gibberellin.
- 52857 NETHERY, A. A. Antimitotic effects of simple substituted phenols and aromatic organic phosphorus compounds. *Diss. Abs.* 26(8):4197-4198. Feb.1966. 241.8 M58
In peas.
- 52858 NIKOLAYEVSKIY, V. G. Effect of growth conditions on the anatomic structure of the stem of *Phragmites communis* Trin. (Ukr) *Ukr. Bot. Zhur.* 21(4):25-32. Ref. 1964. 450 J8212J
English summary.
- 52859 OSMANOVA, F. SH. Structure and development of the conducting system of ears of corn. (Rus) *Kabardino-Balkarskii Universitet. Uchenye Zapiski. Seriya Khimicheskaya-Biologicheskaya* 20:107-123. 1964. (Not in NAL)
Abstracted in *Ref. Zh. Biol.* 19(sect.V):16. Oct.1965. 241.7 R25

- 52860 PACHULIYA, K. G. Study of morphological changes in *Rhododendron ponticum* and *Rhododendron luteum*. (Rus) Sukhum. Bot. Sad. Trudy 15:31-36. 1964. 451 Su42
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:43. July 1965. Film S-202
- 52861 PADEREVSKAYA, M. I. The peculiar features of innovation buds of geophytes in the Streletz-kaya Steppe. (Rus) Bot. Zhur. [Moscow] 51(1): 100-104. Ref. 1965. 451 N923
Induced by acclimatization.
- 52862 PADMANABHAN, D. In vitro culture of excised embryonal axes of *Clitoria ternatea* Linn. Cur. Sci. 35(4):104-105. Feb. 20, 1966. 475 Sci23
Study of embryonal morphogenesis.
- 52863 PANINA, E. B. Meiosis and microsporogenesis of polyploid sugar beet. (Ukr) Ukr. Bot. Zhur. 21(6):53-59. Ref. 1964. 450 J8212J
English summary.
- 52864 PANT, D. D., and KIDWAI, P. F. Notes on *Phylloglossum drummondii* Kunze. Nat. Inst. Sci. India. Proc. 31(1/2, pt. B):54-66. Ref. Apr. 1965. 513 N212
- 52865 PARK, R. B. The chloroplast. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p. 124-150. Ref. 1965. QK861.B6
- 52866 PERNER, E. Electron-microscopic investigations of cells of embryos in the state of the complete dormancy of the seed. II. The aleurone bodies in the radicle of air-dried seeds of *Pisum sativum* L. (Ge) Planta 67(4):324-343. Ref. 1965. 450 P693
English summary.
- 52867 PERREAU-BERTRAND, J., and MELENDEZ-HOWELL, L. M. Observations on the tegumentary spore structure of some chromospore Basidiomycetes. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):454-457. Ref. Jan. 24, 1966. 505 P21
Electron microscope study.
- 52868 PERVOVA, Y. A. On the quantitative anatomy of the roots of *Erysimum canescens* Roth and *E. silvaticum* M.B. depending on the habitat. (Ukr) Ukr. Bot. Zhur. 21(4):41-48. Ref. 1964. 450 J8212J
English summary.
- 52869 PIENIAZEK, J., WISNIEWSKA, J., and MACHNIK, B. The character of the plasmolysis in the cortical layer of apple shoots. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(4):243-245. Ref. 1965. 512 W262
- 52870 PIERINGER, A. P., and EDWARDS, G. J. Identification of nucellar and zygotic citrus seedlings by infrared spectroscopy. Amer. Soc. Hort. Sci. Proc. 86:226-234. June 1965. 81 So12
- 52871 PLANTEFOL, L. Remarks apropos the note of Miss M. C. Verdus on the "Nature of thorns on *Euphorbia triangularis*." (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1224-1227. Mar. 14, 1966. 505 P21
- 52872 PLANTEFOL, L. Torsion of constraint in a carnation (*Dianthus barbatus* L.): the start and the end of the torsion. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):461-466. Jan. 24, 1966. 505 P21
- 52873 POLYAKOV, P. P. Calyx in the family of Compositae. (Rus) Alma-Ata, Akademiya Nauk. Institut Botaniki. Gerbarii. Botanicheskie Materialy 3:31-37. 1965. 451 AL632
Abstracted in Ref. Zh. Biol. 21(sect. V):15. Nov. 1965. 241.7 R25
- 52874 POPNIKOLA, N. Occurrence of the bisexual inflorescence in Scots pine (*Pinus silvestris* L.). (Se) Sumarski List 89(9/10):413-417. Sept./Oct. 1965. 99.8 Su6
English summary.
- 52875 PRASAD, B. N., and SRIVASTAVA, P. N. Some interesting morphological features in *Tolypothrix* spp. (Ge) Hydrobiologia 26(3/4): 517-520. Nov. 30, 1965. 410 H992
Tolypothrix magna and *P. limbata*.
- 52876 RADIONENKO, A. Y. Development of the female gametophyte in the apple tree (*Malus domestica* Borkh.). (Ukr) Ukr. Bot. Zhur. 21(4):62-70. Ref. 1964. 450 J8212J
English summary.
- 52877 RANGASWAMY, N. S., RANGAN, T. S., and RAO, P. S. Morphogenesis of peanut (*Arachis hypogaea* L.) pericarp in tissue cultures. Naturwissenschaften 52(22):624-625. Nov. 15, 1965. 474 N213
- 52878 RAO, D. Evolutionary trends in species of *Periconia*. Mycopathol. Mycol. Appl. 28(1/2): 153-160. Jan. 31, 1966. 450 M994
Chiefly morphology.
- 52879 ROBBELEN, G., and NIRULA, S. Replication of chromosomal DNA in dormant seeds of *Haplopappus gracilis*. (Ge) Naturwissenschaften 52(23):649-650. Dec. 1, 1965. 474 N213
- 52880 ROBINSON, P. M., and PARK, D. The production and quantitative estimation of a fungal morphogen. Brit. Mycol. Soc. Trans. 48(4): 561-571. Dec. 1965. 451 B76
Fusarium oxysporum, with test fungus *Aspergillus niger*.
- 52881 RODKIEWICZ, B., and MIKULSKA, E. The development of cytoplasmic structures in the embryo sac of *Lilium candidum*, as observed with the electron microscope. Planta 67(3):297-304. Ref. 1965. 450 P693
- 52882 ROELS, H. "Metabolic" DNA: a cytochemical study. Int. Rev. Cytol. 19:1-34. Ref., p. 28-34. 1966. 442.8 In82
Includes plants and insects.
- 52883 ROHRBACH, U. Contributions on the problem of pollen sterility in *Beta vulgaris* L. I. Investigations on the ontogeny of the phenotype. (Ge) Z. Pflanzenzucht. 53(2):105-124. Ref. May 1965. 450 Z36
English summary.
Cytology and biochemistry.
- 52884 RUDENKO, F. E. Development of the male gamete in the representatives of Papilionaceae. (Rus) Bot. Zhur. [Moscow] 50(11):1575-1578. Nov. 1965. 451 R923
- 52885 RYCZKOWSKI, M. Changes in osmotic value of the endosperm sap and differentiation of egg cell in developing ovules of *Cycas revoluta* (Gymnospermae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(9):557-559. Ref. 1965. 512 W262
- 52886 RYUGO, K. The effect of seed excision on the amount of darkening in pollination variant *per-simmons*, *Diospyros kaki*. Amer. Soc. Hort. Sci. Proc. 86:297-300. June 1965. 81 So12
Morphology; includes varieties.
- 52887 SABER, A. H., BALBAA, S. I., and AWAD, A. T. A botanical study of *Cassia obovata* Coll. growing in Egypt. I. The leaves and stem. J. Bot. United Arab Repub. 5:61-83. 1962, pub. 1965. 450 Eg9
Morphology.
- 52888 SABER, A. H., BALBAA, S. I., and AWAD, A. T. A botanical study of *Cassia obovata* Coll. growing in Egypt. II. The fruit. J. Bot. United Arab Repub. 5:85-109. 1962, pub. 1965. 450 Eg9
Morphology.
- 52889 SADANAGA, K. Chromosomes of *Rattaya petiolata*. Can. J. Genet. Cytol. 7(4):633-635. Dec. 1965. 443.8 C16
- 52890 SADASIVAIAH, R. S., and MAGOON, M. L. Cytological and morphological studies of some species and species hybrids in the genus *Sorghum*. Can. J. Genet. Cytol. 7(4):591-608. Ref. Dec. 1965. 443.8 C16
- 52891 SALO, M. L. On the content of cell-wall constituents in various plant materials. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):127-134. Ref. 1965. 20 Su7M
At different growth stages.

- 52892 SAMOTO, K., and others. Studies on the ecological variations of the growth of rice plant caused by the shifting of cultivation season. Elongation and changes in dry weight of the parts and organs of rice plants cultivated in different seasons and interrelation among them, during the elongation period. (Ja) Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull 12:27-38. Ref. Jan.1965. 87 Ok322
H. Suga, K. Sugimoto, and K. Suzuki, joint authors.
English summary.
- 52893 SAWHNEY, J. S. The structure of the rhizomes of *Agropyron repens*, Beau., *Poa pratensis* L., and *Festuca arundinacea* Schreb., variety *alta*. Diss. Abs. 26(3):1309. Sept. 1965. 241.8 M58
- 52894 SCHERTZ, K. F., and STEPHENS, J. C. Origin and occurrence of triploids of *Sorghum vulgare* Pers. and their chromosomal and morphological characteristics. Crop Sci. 5(6): 514-516. Ref. Nov./Dec.1965. 64.8 C883
- 52895 SCHNEPF, E. Structure of cell walls and cellulose fibrils in *Glaucocystis*. (Ge) Planta 67 (2):213-224. Ref. 1965. 450 P693
English summary.
- 52896 SCHRANTZ, J. P. Contribution to the study of the formation of spore walls in *Postularia capularis* (L.) Fuck. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1212-1215. Mar.14,1966. 505 P21
- 52897 SEIDEMANN, H. Microscopical investigation of palm starches. (Ge) Bot. Tidsskr. 61(1/2): 84-87. 1965. 450 B654
- 52898 SEREBRYAKOVA, T. I. Shoot formation and the life forms of some species of blue grass (*Poa* L.) as related to their evolution. (Rus) Bot. Zhur. [Moscow] 50(11):1536-1555. Ref. Nov.1965. 451 R923
English summary.
- 52899 SEIHI, S. B. Structure and development of seed in *Camellia sinensis* (L.) O. Kuntze. Nat. Inst. Sci. India. Proc. 31(1/2,pt.B):24-33. Ref. Apr.1965. 513 N212
- 52900 SIEGERT, A. Morphological, phylogenetic and systematic studies of *Psilotum triquetrum* Sw. II. Branching (with a general discussion of the concept "dichotomy"). (Ge) Beitr. Biol. Pflanzen 41(2):209-230. Ref. 1965. 450 C66
- 52901 SILAEVA, A. M. Morphogenesis of ultrastructure of corn plastids. (Rus) In Fotosintez i produktivnost rastenii 1965:260-265. (Not in NAL)
Abstracted in Ref. Zh. Biol. 21(sect.A):12. Nov.1965. 241.7 R25
- 52902 SILAEVA, A. M., and LEBEDEV, S. I. Ultrastructure of corn chloroplasts under different conditions of nutrition. (Ukr) Ukr. Bot. Zhur. 21(5):39-43. Ref. 1964. 450 J8212J
English summary.
- 52903 SINDELAR, J. Preliminary research results of some morphological and biochemical characters of European larch *Larix decidua* Mill. Commun. Inst. Forest. Cech. 4:99-113. Ref. 1965. 99.9 P884
- 52904 SINGH, D. Ovule and seed of *Sechium edule* Sw.; a reinvestigation. Cur. Sci. 34(24):696-697. Dec.20,1965. 475 Sci23
- 52905 SINGH, P. Effect of colchicine on *Colletotrichum falcatum* Went. Mycopathol. Mycol. Appl. 28(1/2):65-67. Jan.31,1966. 450 M994
Morphological studies of cultures.
- 52906 SKIRDE, W. Morphological and secretory investigations of diploid and tetraploid clover. 12 p. Ref. Transl. 14054
Translation from Annales Agriculturae Fenniae 2:73-90. 1963.
- 52907 SNOW, R. The causes of the bud eccentricity and the large divergence angles between leaves in Cucurbitaceae. Roy. Soc. Phil. Trans. Ser. B, Biol. Sci. 250(762), 77 p. Nov.18,1965. 501 L84Pb
- 52908 STRAKA, H., and IHLENFELDT, H. D. Pollen morphology and systematics of the Pedaliaceae R. Br. (Ge) Beitr. Biol. Pflanzen 41(2):175-207. Ref. 1965. 450 C66
- 52909 STRANDHEDE, S. O. Problems within the *Eleocharis palustris*-complex. (Sw) Bot. Not. 118(4):446-447. 1965. 450 B656
Cytology.
- 52910 STRID, A. Population studies in the *Nigella arvensis* group. (Sw) Bot. Not. 118(4):459. 1965. 450 B656
Chromosome study.
- 52911 SUBRAMANIAN, S. Proliferation in rice. Madras Agr. J. 52(6):290. June 1965. 22 M262
Abnormalities.
- 52912 SUBRAMANYAM, S., and SUBRAMANIAM, M. K. The changes in the chromosomal pellicle during metaphase in *Allium cepa*. Naturwissenschaften 52(22):626. Nov.15,1965. 474 N213
- 52913 SVOBODOVA, Z., and VANEK, G. The effect of saline soils on the morphological structure of redpeppers. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:115-122. 1964. 281.9 N632
English summary.
- 52914 SWAMY, B. G. L. The origin and organization of the embryonic shoot apex in *Eichhornia crassipes*. Torrey Bot. Club. Bull. 93(1):20-34. Ref. Jan./Feb.1966. 451 T63B
- 52915 SYMONS, F. Some peculiarities concerning the contraction of the gametes in *Spirogyra maxima* (Hass. Wittrock). Hydrobiologia 26 (1/2):144-150. Aug.16,1965. 410 H992
- 52916 TAKEOKA, M. Electronmicroscopic investigations on the surface structure of pollen membrane of trees. (Ja) Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:43-69. Ref. Sept.1965. 22.5 K993
English summary.
- 52917 THOMPSON, G. A. Cellular membranes. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.64-88. Ref. 1965. QK861.B6
- 52918 TOMLINSON, P. B., and MOORE, H. E. Dichotomous branching in palms? Principes 10(1): 21-29. Jan.1966. 80 P932
- 52919 TSARAPKIN, L. S. On the cell-by-cell nature of post-radiation recovery. (Rus) Radiobiologiya. Informatsionnaya Byulleten' 7:16-17. 1965.
Irradiated pea seeds and effects on chromosomes.
Abstracted in Ref. Zh. Biol. 19(sect.A):9. Oct.1965. 241.7 R25
- 52920 VALLADE, J. Evolution of the embryo of *Elaeis guineensis* Jacq. during germination. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(9): 989-992. Feb.28,1966. 505 P21
A morphological study.
- 52921 VALLADE, J. Morphological and cytological aspects of the inactive embryos of the *Elaeis guineensis* Jacq. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):856-859. Feb.21,1966. 505 P21
- 52922 VASIL, I. K., and HILDEBRANDT, A. C. Growth and chlorophyll production in plant callus tissues grown in vitro. Planta 68(1):69-82. Ref. 1966. 450 P693
- 52923 VAZART, B., and VAZART, J. Infrastructure of the ovule of flax *Linum usitatissimum* L.: the cells of embryo sac. (Fr) Acad. Sci. Compt. Rend. 261(17):3447-3450. Oct.27,1965. 505 P21
- 52924 VERDUS, M. C. Nature of thorns on *Euphorbia triangularis* Desf. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1220-1223. Mar.14,1966. 505 P21
- 52925 VESCOVI, P. Transmitting apparatus in the leaf stem and its relation to the phyllotaxy in *Spartium junceum*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(5):552-555. Jan.31,1966. 505 P21

- 52926 VIGNON, J., and LEBEGUE, A. Embryology of Saxifragaceae; development of the embryo and formation of albumin in *Saxifraga aizoides* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2): 255-258. Jan.10,1966. 505 P21
- 52927 VITKOVSKY, V. L. Some characteristic features of morphogenesis in *Grossularia* Mill. and *Ribes* L. (Rus) Bot. Zhur. [Moscow] 51(1): 104-114. 1965. 451 N923
- WALIA, K., and KAPIL, R. N. Embryology of *Frankenia* Linn. with some comments on the systematic position of the Frankeniaceae. Bot. Not. 118(4):412-429. Ref. 1965. 450 B656
- WATERKEYN, L., and BIENFAIT, A. Production and successive degradation of the membranous callose in the stomata of some ferns during formation. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):251-254. Jan.10,1966. 505 P21
Observed in *Pteridium aquilinum*.
- 52930 WEILING, F. Light- and electron microscopical observations on cytomixis and its possible relation to potocytosis; a study on species of *Cucurbita* and on *Lycopersicum esculentum*. (Ge) *Planta* 67(2):182-212. Ref. 1965. 450 P693
English summary.
- 52931 WELLENDORF, M. The microscopical structure of some papilionaceous starches. Bot. Tidsskr. 61(1/2):82-84. 1965. 450 B654
Dolichos lablab and *Apios tuberosa*.
- 52932 WERZ, G. Morphological changes in chloroplasts and mitochondria of darkened *Acetabularia* [mediterranea] cells. (Ge) *Planta* 68(3): 256-268. Ref. 1966. 450 P693
English summary.
- 52933 WOLKINGER, F. Occurrence and cytology of *Thlaspi goesingense* in Styria. (Ge) Deut. Bot. Ges. Ber. 78(7):284-288. Ref. 1965. 451 D48
- 52934 WORLEY, J. F. Injection of foreign particles and their intracellular translocation in living phloem fibers. *Planta* 68(3):286-291. 1966. 450 P693
Droplets of castor oil injected into *Vicia faba*.
- 52935 ZANKOV, Z., and TODOROV, KH. Non-auxiliary shoots on the grapevine. 3 p. (TT 63-19973) Transl. 15446
Translation from *Agrobiologiya* 1:154-155. 1962.
Issued by CFSTI.
- 52936 ZAURALOV, O. A., and SUVOROVA, S. A. Anatomical structure of nectaries of buckwheat (*Fagopyrum sagittatum* Gilib.), silkweed (*Asclepias cornuti* Decne.) and pumpkin (*Cucurbita pepo* L.). (Rus) Bot. Zhur. [Moscow] 51(1):114-119. Ref. 1965. 451 R923
- GENETICS
- 52937 ACKERMAN, W. L., and CREECH, J. L. Progeny analysis of interspecific crosses between *Ilex cornuta* Lindl. and *Ilex ciliospinosa* Loes. Amer. Soc. Hort. Sci. Proc. 86:741-749. June 1965. 81 S012
- 52938 AHMED, M., EL S. R. The effect of cyanogenesis on genotype-environment interactions in ladino white clover, *Trifolium repens* var. *latum*. Diss. Abs. 26(3):1295. Sept.1965. 241.8 M58
Genes and their effect on other plant characteristics.
- 52939 AHUJA, M. R. Genetic control of tumor formation in higher plants. Quart. Rev. Biol. 40 (4):329-340. Ref. Dec.1965. 442.8 Q2
Review of the literature.
- 52940 AKKOC, E. Cytogenetic contributions to the inheritance of sex in spinach (*Spinacia oleracea*) with reference to the breeding of triploid hybrid varieties. (Ge) Z. Pflanzenzucht. 53 (3):226-246. Ref. June 1965. 450 Z36
English summary.
- 52941 ANGELL, F. F. Inheritance of resistance in carrot, *Daucus carota* var. *sativa*, to the leaf spot fungus, *Cercospora carotae*. Diss. Abs. 26(9):4949. Mar.1966. 241.8 M58
- 52942 ANKINEEDU, G., and KULKARNI, L. G. Studies in the exploitation of hybrid vigour with monoecious lines in castor [beans]. Indian Oil seeds J. 9(3):206-208. July/Sept.1965. 307.8 In22
- 52943 ASAY, K. H. Genetic variability in forage yield and quality in reed canarygrass, *Phalaris arundinacea* L. Diss. Abs. 26(9):4936-4937. Mar.1966. 241.8 M58
- 52944 ASHRI, A., and GOLDIN, E. The mutagenic activity of diethyl sulfate in peanuts. Radiat. Bot. 5(5):431-441. Ref. Nov.1965. 450 R11
- 52945 BAMMI, R. B. K. Cytogenetics and natural hybridization in *Rubus procerus* Muell. and *Rubus laciniatus* Willd. Diss. Abs. 26(3):1296. Sept.1965. 241.8 M58
- 52946 BARRICELLI, N. A., and WOLFE, K. Localized negative interference, some of its manifestations and biological function. Z. Vererbungslehre 96(4):307-312. 1965. 442.8 Z34
Includes *Aspergillus*.
- 52947 BEATTY, A. V., and BEATTY, J. W. Reduction of radiation damage to *Tradescantia* chromosomes by adenosine triphosphate, proline, and histidine. Genetics 53(1):47-54. Jan.1966. 442.8 G28
- 52948 BEIL, G. M. Estimates of general and specific combining ability for grain yield and its components in grain sorghum. Diss. Abs. 26(9): 4938-4939. Mar.1966. 241.8 M58
- 52949 BERG, C. C. The effect of pressure and seed water content on the mutagenic action of oxygen in barley seeds. Diss. Abs. 26(9):4975. Mar. 1966. 241.8 M58
- 52950 BERG, C. M. Biased distribution and polarized segregation in asci of *Sordaria brevicollis*. Genetics 53(1):117-129. Ref. Jan.1966. 442.8 G28
- 52951 BHATT, G. M. Inheritance of some qualitative characters in soybeans. Diss. Abs. 26(9):4939. Mar.1966. 241.8 M58
- 52952 BONNER, J. Development. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.850-866. Ref. 1965. QK861.B6
Genetic aspects of development from fertilization through adult forms.
- 52953 BRABEC, F. On triploid, fertile *Bryonia* hybrids. II. Progeny of backcrosses with *Bryonia alba*. (Ge) Biol. Zentralbl. 84(5):545-557. Ref. Sept./Oct.1965. 442.8 B523
- 52954 BURK, L. G., and MCKINNEY, H. H. False virus symptom, a genetic defect of tobacco. J. Hered. 56(6):297-300. Nov./Dec.1965. 442.8 Am3
- 52955 BURNHAM, M. A genetic study of characters of the cucumber, *Cucumis sativus* L., important to mechanical harvesting. Diss. Abs. 26 (8):4139-4140. Feb.1966. 241.8 M58
- 52956 BUTTERFASS, T. Increased endopolyploidy even in hypoploid sugar beets. (Ge) Naturwissenschaften 52(24):666-667. Dec.15,1965. 474 N213
Genetic studies.
- 52957 BUZZELL, R. I., and WILSIE, C. P. Inheritance of flowering time and length of flowering stem in "Empire" by "Viking" birdsfoot trefoil [*Lotus corniculatus*] crosses. Crop Sci. 5(6): 526-529. Nov./Dec.1965. 64.8 C883
- 52958 BYTH, D. E. Evaluation of selection indices and homeostatic effects in soybean populations. Diss. Abs. 26(9):4975-4976. Mar.1966. 241.8 M58
- 52959 CHATTERJEE, N. K., CASPAR, A. L., and SINGLETON, W. R. Genetic changes in maize induced by ethyl methanesulfonate; loss of dominant marker genes in endosperms and seedlings. J. Hered. 56(6):276-277. Nov./Dec.1965. 442.8 Am3

- 52960 CHATTERJEE, N. K., CASPAR, A. L., SINGLETON, W. R. Genetic effects of ethyl methanesulfonate and gamma ray treatment of the proembryo in maize. *Genetics* 52(6):1011-1111. Ref. Dec.1965. 442.8 G28
- 52961 CHAVDA, D. H. Heterosis among crosses of eight selected parental strains in *Sorghum vulgare* (Pers.). Diss. Abs. 26(9):4940. Mar.1966. 241.8 M58
- 52962 CHEVAUGEON, J. Experimental modification of the normal phenotype of *Pestalotzia annulata*. (Fr) *Acad. Sci. Compt. Rend.* 261(14): 2730-2733. Oct.4,1965. 505 P21
- 52963 CHI, K. R. Covariances among relatives in a random mating population of maize. Diss. Abs. 26(9):4941. Mar.1966. 241.8 M58
- 52964 COMPTON, W. A., GARDNER, C. O., and LONNQUIST, J. H. Genetic variability in two open-pollinated varieties of corn (*Zea mays* L.) and their F_1 progenies. *Crop Sci.* 5(6):505-508. Nov./Dec.1965. 64.8 C883
- 52965 COWLES, R. B. Hyperthermia, aspermia, mutation rates and evolution. *Quart. Rev. Biol.* 40(4):341-367. Ref. Dec.1965. 442.8 Q2
Includes gametogenesis in plants and insects. Review of the literature.
- 52966 COYNE, D. P., SCHUSTER, M. L., and HARRIS, L. Inheritance, heritability, and response to selection for common blight (*Xanthomonas phaseoli*) tolerance in *Phaseolus vulgaris* field bean crosses. *Amer. Soc. Hort. Sci. Proc.* 86: 373-379. Ref. June 1965. 81 S012
- 52967 CREECH, R. G. Genetic control of carbohydrate synthesis in maize endosperm. *Genetics* 52(6):1175-1186. Ref. Dec.1965. 442.8 G28
- 52968 DALTON, L. G. An analysis of the duplicate fruiting branch loci, cluster and short branch, in *Gossypium*. Diss. Abs. 26(8):4182-4183. Feb.1966. 241.8 M58
Genetic study.
- 52969 DANIEL, L. The inheritance of some quantitative characters in the cross of two four-rowed lines of corn (*Zea mays* L.). *Acta Biol.* 16(2): 175-183. 1965. 475 Ac85
- 52970 EGUCHI, K., and OKA, M. A mammoth mutant and its lethal action in flue-cured tobacco (*Nicotiana tabacum* L.). (Ja) *Jap. J. Breeding* 16(1): 45-50. Mar.1966. 64.8 J27
English summary.
- 52971 FAVERO, A. Sugar beet genetic will solve the problem of mechanization. (It) *Esso Agr.* 14(1):20-21. Dec.1965. 58.8 Es7
- 52972 FELDMAN, M. Chromosome pairing between differential genomes in hybrids of tetraploid *Aegilops* species. *Evolution* 19(4):563-568. Ref. Dec.1965. 443.8 Ev62
- 52973 FELDMAN, M. Fertility of interspecific F_1 hybrids and hybrid derivatives involving tetraploid species of *Aegilops* section *Pleionathera*. *Evolution* 19(4):556-562. Dec.1965. 443.8 Ev62
- 52974 FOLEY, J. M., GILES, N. H., and ROBERTS, C. F. Complementation at the adenylsuccinase locus in *Aspergillus nidulans*. *Genetics* 52(6):1247-1263. Ref. Dec.1965. 442.8 G28
- 52975 GALZY, P., and BIZEAU, C. Genetic control of the mutation of "smooth colony" in *Saccharomyces cerevisiae*: study of selected mutants in ethanol cultures. (Fr) *Acad. Sci. Compt. Rend.* 261(17):3490-3494. Oct.27, 1965. 505 P24
- 52976 GENEROSO, W. M., and CAMPOS, F. F. Effects of ionizing radiations on sex types and expression on *Momordica charantia* L. and *Cucumis sativus* L. *Philippine Agr.* 49(1):52-57. June 1965. 25 P542
Treatment with varying doses of X-ray and gamma rays.
- 52977 GILDENHUYS, P., and BRIK, K. The relationship between embryo and endosperm in interspecific hybrids in *Pennisetum* L. *Rich. Ann. Bot. (n.s.)* 29(116):709-715. Oct.1965. 450 An7
Crosses treated with gibberellic acid.
- 52978 GOLDA, D. M. On the inheritance of carotene in apricot fruits (*Armeniaca vulgaris* Lam.). (Ukr) *Ukr. Bot. Zhur.* 21(4):110-111. Ref. 1964. 450 J8212J
- 52979 GORGIDZE, A. D. Phylogenesis of colchicum wheat, *Triticum palaeo-colchicum*. (Geo) *Akad. Nauk Gruzinskoi SSR. Tbilisskii Bot. Inst. Tr.* 23:201-234. 1964. 451 T442
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:14. July 1965. Film S-202
- 52980 GOTTSCHALK, W., and IMAM, M. Investigations on the relationship between radiation sensitivity, mutation frequency and degree of polyploidy in the genus *Triticum*. (Ge) *Z. Pflanzenzucht.* 53(4):344-370. Ref., p.366-370. Aug.1965. 450 Z36
English summary.
X-rays.
- 52981 GREEN, D. E. Inheritance of soybean seed quality characters. Diss. Abs. 26(3):1266. Sept.1965. 241.8 M58
- 52982 GREEN, G. J. Inheritance of virulence in oat stem rust [*Puccinia graminis avenae*] on the varieties Sevnorthree, Richland and White Russian. *Can. J. Genet. Cytol.* 7(4):641-650. Ref. Dec.1965. 443.8 C16
- 52983 GREENBLATT, I. M. Transposition and replication of modulator in maize. *Genetics* 53(2): 361-369. Ref.1966. 442.8 G28
- 52984 GRITTON, E. T., and others. Inheritance of resistance to *Fusarium* wilt in flue-cured tobacco. *Crop Sci.* 5(6):547-550. Ref. Nov./Dec. 1965. 64.8 C883
G. L. Jones, N. T. Powell, and D. F. Matzinger, joint authors.
Fusarium oxysporum nicotianae, causal organism.
- 52985 HAMMETT, H. L. A study of the inheritance of root shape, skin color, total carotenoid pigments, dry matter, fiber and baking quality in the sweet potato (*Ipomoea batatas*). Diss. Abs. 26(8):4154. Feb.1966. 241.8 M58
- 52986 HANSCHKE, P. E., and BROOKS, R. M. Temporal and spatial repeatabilities of a series of quantitative characters in sweet cherry (*Prunus avium* L.). *Amer. Soc. Hort. Sci. Proc.* 86: 120-128. June 1965. 81 S012
Includes varieties.
- 52987 HANSEL, H. Research on the frequency of induced chlorophyll mutations after EMS [ethylmethane sulfonate], neutron and X-ray treatment of barley seeds. (Ge) *Bodenkultur* 16 (4):325-339. Ref. Nov.1965. 19 B635
English summary.
- 52988 HARDING, J. A. The estimation of genotypic fitness values, their fluctuations and interactions in a population of lima beans. Diss. Abs. 26(8):4184-4185. Feb.1966. 241.8 M58
- 52989 HAWKINS, B. S., PEACOCK, H. A., and BALLARD, W. W. Heterosis and combining ability in upland cotton—effect on yield. *Crop Sci.* 5 (6):543-546. Nov./Dec.1965. 64.8 C883
- 52990 HAYES, J. D., PFEIFFER, R. K., and RANA, M. S. The genetic response of barley to DDT and barban and its significance in crop protection. *Weeds Res.* 5(3):191-206. Ref. Sept. 1965. 79.8 W412
- 52991 HOLLE, M. The influence of location and cultural system on expression and selection of yield in segregating populations of the tomato. Diss. Abs. 26(9):4943-4944. Mar.1966. 241.8 M58
- 52992 JACKSON, B. R. Quantitative inheritance in crosses among four tetraploid wheats. Diss. Abs. 26(8):4185. Feb.1966. 241.8 M58
- 52993 JELENKOVIC, G. L. Cytoogenetics of the partially fertile diploid and allotetraploid derivatives of *Vitis vinifera* L. x *Vitis rotundifolia* Michx. Diss. Abs. 26(8):4186. Feb.1966. 241.8 M58
- 52994 JIMENEZ T., J. R., and NELSON, O. E. A new fourth chromosome gametophyte locus in maize. *J. Hered.* 56(6):259-263. Nov./Dec. 1965. 442.8 Am3

- 52995 JOHNSON, R. Studies on the substitution of a pair of Agropyron chromosomes for each of the chromosomes in hexaploid wheat. Diss. Abs. 26(9):4977-4978. Mar.1966. 241.8 M58
- 52996 JONES, S. T. Radiation-induced mutations in southern peas. J. Hered. 56(6):273-276. Nov./Dec.1965. 442.8 Am3
With X-rays.
- 52997 KAKAR, R. S. A study of the inheritance of Fusarium wilt resistance in sweet potato, Ipomoea batatas. Diss. Abs. 26(9):4944. Mar. 1966. 241.8 M58
- 52998 KAMBAL, A. E., and WEBSTER, O. J. Estimates of general and specific combining ability in grain sorghum, *Sorghum vulgare* Pers. Crop Sci. 5(6):521-523. Nov./Dec.1965. 64.8 C883
- 52999 KASHA, K. J., and BURNHAM, C. R. The location of interchange breakpoints in barley. II. Chromosome pairing and the intercross method. Can. J. Genet. Cytol. 7(4):620-632. Ref. Dec.1965. 443.8 C16
- 53000 KATAYAMA, T. Relationship between seed-weight and somatic chromosome number in the progeny of partially asynaptic rice plants. Jap. J. Breeding 16(1):10-14. Mar.1966. 64.8 J27
- 53001 KAUL, A. K. The inheritance of protein percentage and sedimentation value in a spring wheat cross. Diss. Abs. 26(9):4978. Mar. 1966. 241.8 M58
- 53002 KEMP, G. A. Inheritance of fruit set at low temperature in tomatoes. Amer. Soc. Hort. Sci. Proc. 86:565-568. Ref. June 1965. 81 So12
- 53003 KIRBY, J. S. Manifestations of heterosis in grain sorghum. Diss. Abs. 26(9):4944-4945. Mar.1966. 241.8 M58
- 53004 KISHIKAWA, H. Cytogenetic studies of B chromosomes in rye, *Secale cereale* L., in Japan. (Ja) Saga Univ. Agr. Bull. 21:1-81. Ref. Oct. 1965. 107.6 Sa13
English summary.
- 53005 KOBORI, O., and others. Researches for programming of rape breeding. I. Biometrical analysis of parent-offspring relationship in rape varieties. Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 12:87-102. Ref. Jan.1965. 87 Ok322
C. Kanno, T. Yamaguchi, and H. Kurata, joint authors.
- 53006 KOHEL, R. J., LEWIS, C. F., and RICHMOND, T. R. Linkage tests in upland cotton, *Gossypium hirsutum* L. Crop Sci. 5(6):582-585. Ref. Nov./Dec.1965. 64.8 C883
- 53007 KUWADA, H. Studies on interspecific and intergeneric hybridization in the Malvaceae. IX. The new amphidiploid plant named "Abelmoschus tubercular-esculentus" obtained from the progeny of the reciprocal crossing between *A. tuberculatus* and *A. esculentus*. Jap. J. Breeding 16(1):21-30. Ref. Mar.1966. 64.8 J27
- 53008 LAFEVER, H. N., and PATTERSON, F. L. Tests for association of genetic factors in a nullisomic line of *Avena sativa*. Crop Sci. 5(6):509-510. Ref. Nov./Dec.1965. 64.8 C883
- 53009 LANDMAN, O. E. Gene-enzyme relationships in *Neurospora*. Diss. Abs. 26(9):4980. Mar. 1966. 241.8 M58
- 53010 LOVE, J. E., and CONSTANTIN, M. J. The response of some ornamental plants to fast neutrons. Tenn. Farm Home Sci. Progr. Rep. 56:10-12. Oct./Dec.1965. 100 T25F
Tolerance, and production of bud-sports; chiefly morphological abnormalities, some of which may prove heritable.
- 53011 LUCIANO, A., KINMAN, M. L., and SMITH, J. D. Heritability of self-incompatibility in the sunflower (*Helianthus annuus*). Crop Sci. 5(6):529-532. Ref. Nov./Dec.1965. 64.8 C883
- 53012 LYSIKOV, V. N., and BLYANDUR, O. V. Study of the effects of chemical mutagenic substances and ionizing radiation on corn line in the year of its cultivation. (Rus) Kishinevskii Sel'skhoz. Inst. Trudy 37(1):84-90. 1964. 106 K64
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:4-5. July 1965. Film S-202
- 53013 LYSIKOV, V. N. Use of ionizing radiation and some chemical substances to induce hereditary changes in field crops. (Rus) Nauchnaya Konferentsiya Professorov i Prepodavatelei. Doklady 1963:66-70. 1964. (Not in NAL)
Corn mutation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:4. July 1965. Film S-202
- 53014 MALVAREZ, E. M., FAVRET, E. A., and RYAN, G. S. Modification of the genetic effect of ionizing radiations in barley. (Sp) Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:121-132. Ref. 1964, pub.1965. 173 At7Pi
English summary.
- 53015 MARTINEZ, S. F. Heterosis, heterobeltiosis, diallel analysis, and gene action in crosses of *Triticum aestivum*. Diss. Abs. 26(8):4153. Feb.1966. 241.8 M58
- 53016 MCKENZIE, R. I. H., FLEISCHMANN, G., and GREEN, G. J. A close association of stem and crown rust resistance in "Ukraine" and "Rosen's Mutant" oats. Crop Sci. 5(6):551-552. Nov./Dec.1965. 64.8 C883
Genetic analysis of resistance to *Puccinia graminis avenae* and *P. coronata avenae*.
- 53017 MEYER, V. G. Cytoplasmic effects on anther numbers in interspecific hybrids. J. Hered. 56(6):292-294. Nov./Dec.1965. 442.8 Am3
Cotton.
- 53018 MINOCHA, J. L. Mutations produced in barley by ethyl methanesulfonate. Diss. Abs. 26(9):4981. Mar.1966. 241.8 M58
- 53019 MITCHELL, M. B. An extended model of periodic linkage in *Neurospora crassa*. Can. J. Genet. Cytol. 7(4):563-570. Dec.1965. 443.8 C16
- 53020 MORTIMER, R. K., and HAWTHORNE, D. C. Genetic mapping in *Saccharomyces*. Genetics 53(1):165-173. Ref. Jan.1966. 442.8 G28
- 53021 MOUSSEAU, J. Variations of frequency conversion on the level of different site of the same locus. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1254-1257. Ref. Mar.14,1966. 505 P21
In *Ascobolus immersus*.
- 53022 MURAKAMI, K. Selective fertilization in relation to plant breeding. I. Chinese cabbage (*Brassica pekinensis* Rupr.). 4. Competitive compatibility relationships among pollen with different genotypes. (Ja) Jap. J. Breeding 16(1):15-20. Mar.1966. 64.8 J27
English summary.
- 53023 NARBUT, S. I. Analysis of varietal populations of radishes by inbreeding. (Rus) In Issledovaniya po Genetike 2:90-99. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:10. July 1965. Film S-202
- 53024 NEWMAN, L. J. Bridge and fragment aberrations in *Podophyllum peltatum*. Genetics 53(1):55-63. Ref. Jan.1966. 442.8 G28
- 53025 ORTON, E. R. Frequency of reconstitution of the variegated pericarp allele in maize. Genetics 53(1):17-25. Jan.1966. 442.8 G28
- 53026 ORTON, E. R., and BRINK, R. A. Reconstitution of the variegated pericarp allele in maize by transposition of modulator back to the P locus. Genetics 53(1):7-16. Jan.1966. 442.8 G28
- 53027 PANA, P. The selection of homozygoteous forms from hybrid offsprings in autogamous plants. (Rum) Probl. Agr. [Bucharest] 18(2):46-54. Feb.1966. 21 R862
English summary, p.3 of contents.
Field crops.

- 53028 PAVEK, J. J. Breeding behavior and cytology of aneuploids in several hybrid oat populations. Diss. Abs. 26(9):4946. Mar.1966. 241.8 M58
- 53029 PAVEK, J. J., and MYERS, W. M. Inheritance of seedling reaction to *Puccinia graminis* Pers. f. sp. *avenae* race 13A in crosses of oat strains with four different reactions. Crop Sci. 5(6):501-504. Ref. Nov./Dec.1965. 64.8 C883
- 53030 PEACOCKE, A. R. The molecular basis of heredity. Washington, Butterworth, 1965. 180 p. Ref. QH431.P4
Includes nucleic acids and genetics of mosaic tobacco virus.
- 53031 QUALSET, C. O., SCHALLER, C. W., and WILLIAMS, J. C. Performance of isogenic lines of barley [*Hordeum vulgare*] as influenced by awn length, linkage blocks, and environment. Crop Sci. 5(6):489-494. Ref. Nov./Dec.1965. 64.8 C883
- 53032 REID, D. A. Relationship of growth habit, winter hardiness and qualitative genetic markers in barley (*Hordeum vulgare* L. Emend. Lam.). Crop Sci. 5(6):557-561. Ref. Nov./Dec.1965. 64.8 C883
- 53033 REYNOLDS, J. F₁ hybrids. Roy. Hort. Soc. J. 91(4):162-163. Apr.1966. 84 L84J Plants.
- 53034 RHYNE, C. L. Glabrous-stem inheritance in upland cotton. Crop Sci. 5(6):568-571. Ref. Nov./Dec.1965. 64.8 C883
- 53035 RICK, C. M. Abortion of male and female gametes in the tomato determined by allelic interaction. Genetics 53(1):85-96. Ref. Jan. 1966. 442.8 G28
- 53036 RIZET, G., and ROSSIGNOL, J. L. The probable dimension of reciprocal exchanges in the interior of a locus complex of *Ascochola immersus*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1250-1253. Mar.14,1966. 505 P21
- 53037 ROWE, P., and BOWERS, J. L. The inheritance and potential of an irradiation induced tendrillless character in cucumbers. Amer. Soc. Hort. Sci. Proc. 86:436-441. June 1965. 81 So12
Includes breeding of varieties.
- 53038 RYDER, E. J. The inheritance of five leaf characters in lettuce (*Lactuca sativa* L.). Amer. Soc. Hort. Sci. Proc. 86:457-461. June 1965. 81 So12
- 53039 EL-SAHRIGY, M. A. A morphogenetic study of jointless mutants in tomato. Diss. Abs. 26(3):1299. Sept.1965. 241.8 M58
- 53040 SAMPSON, D. R., and CAMERON, D. F. Inheritance of bronze foliage, extra petals and pendulous habit on ornamental crabapples [*Malus*]. Amer. Soc. Hort. Sci. Proc. 86:717-722. June 1965. 81 So12
- 53041 SASTRY, G. R. K. Aspects of paramutation in maize: somatic sectoring, and R^{ch} alleles. Diss. Abs. 26(9):4983. Mar.1966. 241.8 M58
- 53042 EL-SAYED, M. N. K. Inheritance of tomato fruit firmness. Diss. Abs. 26(3):1299. Sept. 1965. 241.8 M58
- 53043 SCHILLINGER, J. A. The nature of antimetabolic factors affecting nutritive value of diploid alfalfa *Medicago falcata* L. Diss. Abs. 26(8):4141. Feb.1966. 241.8 M58
- 53044 SCHULENBURG, H. GRAF VON DER. Contributions to the creation of monosomic varieties of oats. (Ge) Z. Pflanzenzucht. 53(3):247-265. Ref. June 1965. 450 Z36
English summary.
- 53045 SCHWAIER, R. Comparative mutation experiments with seven [N-alkyl]nitrosamides in back mutation test of yeast. (Ge) Z. Vererbungslehre 97(1):55-67. Ref. 1965. 442.8 Z34
English summary.
- 53046 SCHWAIER, R., ZIMMERMANN, F. K., and LAER, U. VON. The effect of temperature on the mutation induction in yeast by N-alkylnitrosamides and nitrous acid. Z. Vererbungslehre 97(1):72-74. 1965. 442.8 Z34
- 53047 SCHWARTZ, D., FUCHSMAN, L., and MCGRATH, H. Allelic isozymes of the pH 7.5 esterase in maize. Genetics 52(6):1265-1268. Dec.1965. 442.8 G28
- 53048 SCHWARTZ, D. Genetic studies on mutant enzymes in maize. VI. Elimination of allelic isozyme variation by glyceraldehyde treatment. Genetics 52(6):1295-1302. Ref. Dec.1965. 442.8 G28
- 53049 EL SHARKAWY, A. M. A. Cytogenetical irregularities in the transmission of the blue aleurone character in *Triticum-Agropyron* derivatives. Diss. Abs. 26(8):4183-4184. Feb.1966. 241.8 M58
- 53050 SINDAGI, S. S. Genotypic variability and correlation coefficients relating to yield and a few other quantitative characters and use of selection indices in castor. Indian Oilseeds J. 9(3):224-230. Ref. July/Sept.1965. 307.8 In22
- 53051 SINGH, A. P. Hybridization range of *Dichanthium annulatum* (Forssk.) Stapf. Diss. Abs. 26(3):1310. Sept.1965. 241.8 M58
- 53052 SINGH, R. B. Cytogenetic studies in *Rumex acetosella* and its hybrids with *Rumex hastatulus* with special consideration of sex determination. Diss. Abs. 26(9):4984. Mar.1966. 241.8 M58
- 53053 SINGH, T. P. A study on the relationship between certain stalk characters and yield in maize. Diss. Abs. 26(9):4984. Mar.1966. 241.8 M58
Genetics.
- 53054 SMITH, J. D., and KINMAN, M. L. The use of parent-offspring regression as an estimator of heritability. Crop Sci. 5(6):595-596. Nov./Dec.1965. 64.8 C883
- 53055 SMITH, W. E., and FITZSIMMONS, J. E. Maternal inheritance of seed weight in flax. Can. J. Genet. Cytol. 7(4):658-662. Ref. Dec.1965. 443.8 C16
- 53056 SRIVASTAVA, J. P. The inheritance of resistance to races 15B and 56 of stem rust in eight varieties of common wheat. Diss. Abs. 26(9):4985. Mar.1966. 241.8 M58
- 53057 STUBER, C. W. Characterization and estimation of genetic parameters in the interpopulation formed by crossing two populations of maize. Diss. Abs. 26(8):4189. Feb.1966. 241.8 M58
- 53058 SUNDERMAN, D. W., WISE, M., and SNEED, E. M. Interrelationships of wheat protein content, flour sedimentation value, farinograph peak time, and dough mixing and baking characteristics in the F₂ and F₃ generations of winter wheat, *Triticum aestivum*. Crop Sci. 5(6):537-540. Ref. Nov./Dec.1965. 64.8 C883
- 53059 SWAMINATHAN, M. S., CHOPRA, V. L., and SASTRY, G. R. K. Expression and stability of an induced mutation for ear branching in bread wheat. Cur. Sci. 35(4):91-92. Feb.20,1966. 475 Sci23
- 53060 TEICH, A. H. Maize selection by inbred line appearance and test-cross performance in high and low plant densities. Diss. Abs. 26(9):4922-4923. Mar.1966. 241.8 M58
- 53061 THOMAS, P. L., and PERSON, C. Genetic control of low virulence in *Ustilago [hordei]*. Can. J. Genet. Cytol. 7(4):583-588. Dec.1965. 443.8 C16
- 53062 THONI, E. Research on possibilities of using tetraploid Westerwold ryegrass. (Ge) Mitt. Schweiz. Landwirt. 13(8):131-136. Aug.1965. 17 M69
- 53063 THULLEN, M. Genetic behavior of length and breadth of spikelets in cultivated rice. Diss. Abs. 26(8):4158-4159. Feb.1966. 241.8 M58

- 53064 TSUNEWAKI, K. Comparative gene analysis of common wheat and its ancestral species. III. Glume hairness. Genetics 53(2):303-311, map. Feb. 1966. 442.8 G28
- 53065 WATKINS, R. The inheritance of anthocyanin pigments in rye (*Secale cereale* L.). Diss. Abs. 26(9):4986. Mar. 1966. 241.8 M58
- 53066 WAUD, J. L. Inheritance of colchicine-induced mutant characters in *Hordeum-vulgare* L. Diss. Abs. 26(3):1272. Sept. 1965. 241.8 M58
- 53067 WAY, R. D. Inheritance of the cutleaf character in elderberry. Amer. Soc. Hort. Sci. Proc. 86:329-331. June 1965. 81 So12 Genetics.
- 53068 WHALEN, R. H. Genetic segregation in some interspecific and intergeneric hybrids of *Lycopersicon* and *Solanum*. Diss. Abs. 26(3):1301-1302. Sept. 1965. 241.8 M58
- 53069 WIEBE, G. A. The bridge to Xanadu. Crop Sci. 5(6):561-566. Ref. Nov./Dec. 1965. 64.8 C883
Techniques for measuring the relatedness of plants at the gene level—a DNA hybridization method using agar-gel; also discusses heterosis and hybrid enzymes.
- 53070 WORZELLA, W. W., and others. Inheritance of beta-carotene in grain sorghum hybrids. Crop Sci. 5(6):591-592. Ref. Nov./Dec. 1965. 64.8 C883
R. Khalidy, Y. Badawi, and S. Daghir, joint authors.
- 53071 WRICKE, G. Measurement of the interaction between genotype and environment in quantitative characters. (Ge) Z. Pflanzenzucht. 53(3):266-300; (4):301-343. (Concl.) Ref. June-Aug. 1965. 450 Z36
English summary.
Grain and potatoes.
- 53072 YOUNG, E. F. Studies of heterosis and effects of inbreeding in *Gossypium hirsutum* and *G. arboreum*. Diss. Abs. 26(3):1272. Sept. 1965. 241.8 M58
- 53073 YOUNG, W. A. A study of factors affecting earliness and mode of inheritance of this character in the tomato, *Lycopersicon esculentum*. Diss. Abs. 26(8):4159-4160. Feb. 1966. 241.8 M58
- 53074 ZIMMERMANN, F. K., SCHWAIER, R., and LAER, U. VON. The influence of pH on the mutagenicity in yeast of N-methylnitrosamides and nitrous acid. Z. Vererbungslehre 97(1):68-71. Ref. 1965. 442.8 Z34
- 53075 ZOZ, N. N. Using of chemical compounds in plant selection. (Rus) Agrokhimiya 7:130-135. Ref. July 1964. 385 Ag89
Mutagenic effects.
- PHYSIOLOGY**
- 53076 ABD-RABBO, H., and YUSEF, H. M. In vitro action of dehydroemetine on fungi. J. Trop. Med. Hyg. 69(3):51-52. Ref. Mar. 1966. 448.8 J827
Tested on *Microsporum gypseum* and *Thielavia sepedonium*.
- 53077 ABED, F. M. A. H. The utilization of potassium from the surface layers of eight Nebraska soils—a mineralogical approach. Diss. Abs. 26(3):1682. Sept. 1965. 241.8 M58
Plant uptake.
- 53078 ADAMS, F., and LUND, Z. F. Effect of chemical activity of soil solution aluminum on cotton root penetration of acid subsoils. Soil Sci. 101(3):193-198. Ref. Mar. 1966. 56.8 So3
- 53079 AGHION, J., and others. Light growth of segments of oat coleoptiles maintained in survived action spectra. (Fr) Photochem. Photobiol. 5(2):169-175. Ref. Feb. 1966. 382 P56
R. Jacques, C. Jouglard, and A. Lourtoux, joint authors.
- 53080 AITKEN, Y. Flower initiation in relation to maturity in crop plants. III. The flowering response of early and late cereal varieties to Australian environments. Australian J. Agr. Res. 17(1):1-15. Ref. Jan. 1966. 23 Au783
- 53081 AKADEMIYA NAUK SSSR, INSTITUT FIZIOLOGII RASTENII IM. K. A. TIMIRYAZEVA. Biologicheskii oshovy povysheniya kachestva semyan sel'skokhozyaistvennykh rastenii; materialy nauchnoi sessii, sostoyavsheisya 26-30 noyabrya 1963 g. v Moskve [Biological bases of increased quality of seeds of agricultural plants; reports of scientific session held in Moscow, 26-30 November, 1963]. Moskva, Nauka, 1964. 279 p. 61.9 Ak1
- 53082 AKADEMIYA NAUK UKRAYINS'KOYI RSR, INSTYTUT FIZIOLOGIYI ROSLYN. Mikroelementy v zhizni rastenii, zhivotnykh i cheloveka; trudy koordinatsionnogo soveshchaniya Problemnoi komissii AN USSR ot 22-23 fevralya 1963 g. [Minor elements in the life of plants, animals and man; conference proceedings of Commission on Problems at the Academy of Sciences of USSR, February 22-23, 1963? Kiev, Naukova Dumka, 1964. 323 p. Ref. 386.2 K542
- 53083 ALFIMOV, N. N., and YAGOVOI, P. N. Characteristics of natural radiation of grasses, leaves of trees, bushes, fruits and mosses. (Rus) Leningrad. N.-I. In-t Radiats. Gigieny. Tr. po Radiats. Gigiene. 2:92-94. 1964. (Not in NAL)
Abstracted in Ref. Zh. Biol. 21(sect.V):18. Nov. 1965. 241.7 R25
- 53084 ALLEWELDT, G., and BALKEMA, G. H. On the initiation of inflorescences and flower primordia in the winter buds of grapes. (Ge) Z. Acker- Pflanzenbau 123(1):59-74. Ref. Dec. 1965. 18 J825
English summary.
- 53085 ALSTON, A. M. The influence of N and Mg fertilizers and CaCO_3 on the absorption of Mg by oats. J. Agr. Sci. [London] 66(1):61-66. Ref. Feb. 1966. 10 J822
Scotland.
- 53086 AMEN, R. D. Seed dormancy in the alpine rush, *Luzula spicata* L. Ecology 46(3):361-364. Ref. Spring 1965. 410 Ec7
- 53087 AMIN, K. S. Nature of corky root rot disease of lettuce. Diss. Abs. 26(9):4948. Mar. 1966. 241.8 M58
Possibly caused by the phytotoxic compound m-ethylaminobenzoic acid.
- 53088 AMSTERDAM, D. The metabolic effects of 2,4-dinitrophenol and its congeners in *Ochromonas danica*. Diss. Abs. 26(3):1296. Sept. 1965. 241.8 M58
- 53089 ANDERSON, J. M., and BOARDMAN, N. K. Fractionation of the photochemical systems of photosynthesis. I. Biochim. Biophys. Acta 112(3):403-421. Ref. Mar. 14, 1966. 381 B522
Spinach chloroplasts.
- 53090 APPELQVIST, L. A. Drying injuries of oil plant seed; a quality defect to be avoided. (Sw) Svensk Frotidn. 34(9):119-122. Sept. 15, 1965. 61.8 Sv2
Low viability.
- 53091 ARIKADO, H. Comparative studies on the ventilating pressure between the rice plants transplanted in the early and in the usual seasons. Mie Univ. Fac. Agr. Bull. 32:1-10. Ref. Sept. 1965. 107.6 T78
Planting date and physiology of rice.
- 53092 ARMAI, I. Fruit trees and grapes in the surface catchment area. (Hu) Kerteszeti Szolozs. 15(4):9-10. Feb. 1966. 80 K474
Harmful effects of stagnant water.
- 53093 ATANASIU, N., and SCHNEIDER, B. The problem of analysing actions and interactions of a number of factors that affect yield. (Ge) Z. Acker- Pflanzenbau 123(1):11-30. Ref. Dec. 1965. 18 J825
English summary.

- 53094 AUNG, L. H. Influence of defoliation on vegetative, floral and fruit development in tomatoes (*Lycopersicon esculentum* Mill.). Diss. Abs. 26 (9):4937. Mar.1966. 241.8 M58
- 53095 AYO, D. J. A study of dormancy in tree fruit. Diss. Abs. 26(3):1253. Sept.1965. 241.8 M58
- 53096 AYRES, A. S. Calcium silicate slag as a growth stimulant for sugarcane on low-silicon soils. Soil Sci. 101(3):216-227. Ref. Mar. 1966. 56.8 So3
Hawaii.
- 53097 BADAWEY, F. H. Growth of *Rhizobium japonicum* strains and their symbiotic relationship with soybean plants (*Glycine max*, Merr.). Diss. Abs. 26(9):4965-4966. Mar.1966. 241.8 M58
- 53098 BAELDE, I. Early hot house tomatoes now and presently. (Du) Groenten Fruit 21(38):1720. Apr.6,1966. 80 G89
Effects of soil temperature and moisture on growth.
- 53099 BALDWIN, J. G. Dormancy and time of bud burst in the Sultana vine. Australian J. Agr. Res. 17(1):55-68. Ref. Jan.1966. 23 Au783
Grape variety.
- 53100 BALTHAZARD, J. Causes of poor germination of vine seeds. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):269-272. Ref. Jan.10,1966. 505 P21
- 53101 BARR, C. E., and BROYER, T. C. Energy balancing in *Nitella* cells treated with 2,4-dinitrophenol. Science 151(3715):1245-1246. Mar.11,1966. 470 Sci2
- 53102 BASSHAM, J. A. Photosynthesis: the path of carbon. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.875-960. Ref. 1965. QK861.B6
- 53103 BAUER, A., and ZUBRISKI, J. C. Foliar fertilizer treatment of barley. N. Dak. Farm Res. 24(2):13-15. Nov./Dec.1965. 100 N813B
Yield increase through application of 2,4-D with addition of chelated micronutrients.
- 53104 BAYZER, H., and MAYR, H. H. Influence of chlorocholine chloride (CCC) on the amino acid composition of wheat grain proteins. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128 (6):340-345. 1966. 384 Z39
- 53105 BEATTY, A. V., and BEATTY, J. W. Assay for adenosine triphosphate in X-irradiated *Tradescantia* [paludosa] anthers. Radiat. Res. 27(3):347-354. Mar.1966. 334.8 R11
- 53106 BEAUCHAMP, E. G. Effects of root zone temperatures on the early growth and morphological development of *Zea mays* L. Diss. Abs. 26 (9):4938. Mar.1966. 241.8 M58
- 53107 BELL, A. Temperature, defoliation critical factors in fineness evaluation. Cotton Gin Oil Mill Press 67(2):7-8,28. Jan.15,1966. 304.8 C822
Physiological factors affecting micronaire reading.
- 53108 BELOUSOV, M. A., and SVIZHENSKAYA, Z. V. Effects of rhizomic nutrition of cotton on biochemical composition, viability of seeds and technological quality of fibers. (Rus) Tashkent. Nauch.-Issled. Inst. po Khlopkov. Trudy 4:87-106. 1964. 72.9 T182T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:29. July 1965. Film S-202
- 53109 BENBADIS, A. Growth of isolated cells of bramble [*Rubus hispidus*] on nutritive media conditioned by variable quantity of tissue. (Fr) Acad. Sci. Compt. Rend. 261(22):4829-4832. Nov.29,1965. 505 P21
- 53110 BENINSON, D., VAN DER ELST, E., and CANCIO, D. Incorporation of fission products by fresh-water plants. (Sp) Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.: 227-232. 1964, pub.1965. 173 At7Pi
English summary.
- 53111 BEREZOVSKII, M. YA. Mutual action of plant and herbicide. (Rus) Khim. Sel'skom Khoz. 3 (9):40-47. Ref. Sept.1965. 385 K524
Effects of 2,4-D and barbane on sunflowers and spring wheat.
- 53112 BERKEL, N. VAN. Petroleum or propane for CO₂-application. (Du) Groenten Fruit 21(35): 1573. Mar.16,1966. 80 G89
Effects on greenhouse lettuce and tomatoes.
- 53113 BERRIOS-ORTIZ, L. The influence of magnesium on leaf composition, yield, and quality of snap beans (*Phaseolus vulgaris* L.). Diss. Abs. 26(8):4151. Feb.1966. 241.8 M58
- 53114 BERTRAND, D., and WOLF, A. DE. Aluminum, dynamic oligoelement of higher plants. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4): 479-481. Ref. Jan.24,1966. 505 P21
- 53115 BESPAAEV, S. B. Development of root system of *Acanthophyllum gypsophiloides* Rgl. under conditions of cultivation. (Rus) Bot. Zhur. [Moscow] 51(1):132-134. 1965. 451 N923
- 53116 BILLINGS, W. D., CLEBSCH, E. E. C., and MOONEY, H. A. Photosynthesis and respiration rates of Rocky Mountain alpine plants under field conditions. Amer. Midland Natur. 75 (1):34-44. Ref. Jan.1966. 410 M58
- 53117 BISWAS, P. K. The effects of growth regulators on the caffeine and tannin content of tea, *Camellia sinensis*. Amer. Soc. Hort. Sci. Proc. 86:750-752. June 1965. 81 So12
- 53118 BLANCHARD, R. W., and CALDWELL, A. C. Phosphate-ammonium-moisture relationships in soils. I. Ion concentrations in static fertilizer zones and effects on plants. Soil Sci. Soc. Amer. Proc. 30(1):39-43. Ref. Jan./Feb.1966. 56.9 So3
Phosphorus uptake by corn and oats.
- 53119 BLANCHARD, R. W., and CALDWELL, A. C. Phosphate-ammonium-moisture relationships in soils. II. Ion concentrations in leached fertilizer zones and effects on plants. Soil Sci. Soc. Amer. Proc. 30(1):43-48. Ref. Jan./Feb. 1966. 56.9 So3
Phosphorus uptake by corn.
- 53120 BLUM, O. B. Absorption of liquid-drop water by fruticose and foliose lichens of meso- and xerotic habitats. (Ukr) Ukr. Bot. Zhur. 21(6): 32-41. Ref. 1964. 450 J8212J
English summary.
- 53121 BONDE, E. K. Further studies on the germination of seeds of Colorado alpine plants. Colo. Univ. Stud. Ser. Biol. 18,30 p. Aug.1965. 442.9 C71
- 53122 BONNEMAIN, J. L. On the modalities of the distribution of assimilata on tomatoes and on its mechanisms. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1106-1109. Ref. Mar.7,1966. 505 P21
- 53123 BONNEMAIN, J. L. Transport of products of photosynthesis in tomatoes during fructification. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262 (3):366-369. Jan.17,1966. 505 P21
- 53124 BONNER, J., and VARNER, J. E. The path of carbon in respiratory metabolism. In their Plant biochemistry, p.213-230. Ref. 1965. QK861.B6
Includes the tricarboxylic acid cycle.
- 53125 BONNER, J. T., KELSO, A. P., and GILLMOR, R. G. A new approach to the problem of aggregation in the cellular slime molds. Biol. Bull. 130(1):28-42. Ref. Feb.1966. 442.8 B52
Establishing the identity of acrasin, the chemotactic agent responsible for aggregation; tests with *Dictyostellium discoideum*, *D. mucoroides*, and *Polysphondylium violaceum*.
- 53126 BOON, J. VAN DER., DAS, A., and SCHREVEN, A. C. VAN. A five-year fertilizer trial with apples on a sandy soil; the effect on magnesium deficiency, foliage and fruit composition, and keeping quality. Neth. J. Agr. Sci. 14(1):1-31. Ref. Feb.1966. 12 N3892

- 53127 BORTHWICK, H. A., TOOLE, E. H., and TOOLE, V. K. Phytochrome control of Paulownia seed germination. Israel J. Bot. 13(2/4): 122-133. Ref. Mar.1965. 450 Is7
- 53128 BORZAKOVSKAYA, I. V. Effect of variable temperatures and some chemical substances on the winter-hardiness of walnut [*Juglans regia*] and chestnut [*Castanea sativa*] seedlings. (Ukr) Ukr. Bot. Zhur. 21(4):16-24. Ref. 1964. 450 J8212J
English summary.
Seed treatment.
- 53129 BOSCHER, J. Conservation of inflorescent bulbils of *Allium vineale* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):864-867. Feb.21, 1966. 505 P21
- 53130 BOULD, C. Horticulture. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:331-339. Ref. 1964. 382 M31R
Literature review on plant nutrition.
- 53131 BOXEM, T. Is the gross nitrogen effect similar during the pasture season? (Du) Neth. Dir. Landbouw. Landbouwoorlichting 22 (10/11):525-530. Oct./Nov.1965. 12 N383M
- 53132 BOYER, J. The water economy of the two big groups of *Coffea canephora*, in the Ivory Coast. (Fr) Cafe, Cacao, The 9(4):263-282. Ref. Oct./Dec.1965. 68.8 C112
English summary.
- 53133 BRAUN, R. H., and others. Intoxicacion salina de vides en Costa de Araujo, Mendoza [Salt poisoning of grapes in Costa de Araujo, Mendoza]. Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 1(5):101-132. Ref. 1964. 343 R32
O. C. Pizarro, M. H. Pacheco, and V. M. Gilobert, joint authors.
English summary.
- 53134 BRETSCHNEIDER-HERRMANN, B. Temperature sequence, development, growth and yield of oats. (Ge) Z. Acker- Pflanzenbau 123(3): 209-224. Ref. Feb.1966. 18 J825
English summary.
- 53135 BRIAN, P. W. The gibberellins as hormones. Int. Rev. Cytol. 19:229-266. Ref., p.260-266. 1966. 442.8 In82
- 53136 BROOKS, J. L. Fatty acid synthesis in chloroplasts. Diss. Abs. 26(8):4203-4204. Feb.1966. 241.8 M58
- 53137 BROWN, J. K. Studies on the physiology and biosynthesis of muscarine in *Inocybe* species. Diss. Abs. 26(8):4192. Feb.1966. 241.8 M58
- 53138 BROWN, L. D., and CAROLUS, R. L. An evaluation of fertilizer practice in relation to nutrient requirement of asparagus. Amer. Soc. Hort. Sci. Proc. 86:332-337. Ref. June 1965. 81 So12
Includes chemical analysis of tissues and yields.
- 53139 BROWN, R. H., and BLASER, R. E. Relationships between reserve carbohydrate accumulation and growth rate in orchardgrass [*Dactylis glomerata*] and tall fescue [*Festuca arundinacea*]. Crop Sci. 5(6):577-582. Ref. Nov./Dec. 1965. 64.8 C883
- 53140 BUTLER, J. L. Interaction of effects by environmental factors on primary productivity in ponds and microecosystems. Diss. Abs. 26 (3):1834. Sept.1965. 241.8 M58
Includes photosynthesis and respiration in farm ponds.
- 53141 BUYANOV, N. I., and KILEZHENKO, V. P. Radioactive potassium of some organisms in Barents Sea. (Rus) Materialy rybokhoz. issled. Sev. basseina 4:142-146. (Not in NAL)
Includes plants.
Abstracted in Ref. Zh. Biol. 21(sect.D):30. Nov.1965. 241.7 R25
- 53142 CALEMBERT, J. Evaporation of surface water and cover in plants. (Fr) Mediterranea 9: 25-34. Ref. Jan./Mar.1966. 281.8 M462
English summary.
Measurement of evaporation and evapo-transpiration in irrigated cultures.
- 53143 CALMES, J. Contribution to the interpretation of foliar diagnosis in corn. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51 (18):1178-1183. Dec.8/15,1965. 14 P215Bc
Nutritional deficiency.
- 53144 CALMES, J. Effects of total or partial amputation of wheat blades. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1): 106-112. Jan.5/12,1966. 14 P215Bc
- 53145 CAMPBELL, J. C. The influence of low root zone temperatures on the growth and chemical composition of corn. Diss. Abs. 26(9):4939. Mar.1966. 241.8 M58
- 53146 CARAM, B. Research on the reproduction and the sexual cycle of some Phaeophyceae. (Fr) Vie Milieu 16(1A):21-221. 1965. 442.8 V67
Bibliography, p.204-209.
- 53147 CARLSON, R. F. Responses of Malling Merton clones and Delicious seedlings to different root temperatures. Amer. Soc. Hort. Sci. Proc. 86:41-45. June 1965. 81 So12
- 53148 CARPENTER, E. D. Application of flower initiation research by arborists. Conn. Arborist 18(2):2-4. Dec.1964. 99.9 C7633
Ornamental plants.
- 53149 CARPENTER, P. L. Studies on cation adsorption by plant roots. Diss. Abs. 26(9):4940. Mar.1966. 241.8 M58
- 53150 CATHEY, H. M. Initiation and flowering of *Rhododendron* [catawbiense] following regulation by light and growth retardants. Amer. Soc. Hort. Sci. Proc. 86:753-760. Ref. June 1965. 81 So12
- 53151 CAVANAUGH, J. R. A teachers' guide to the use of gibberellic acid in experiments with plants. Diss. Abs. 26(8):4477. Feb.1966. 241.8 M58
- 53152 CAVINESS, C. E. Effects of relative humidity on pod dehiscence in soybeans. Crop Sci. 5(6): 511-513. Nov./Dec.1965. 64.8 C883
- 53153 CELLARIUS, R. A., and MAUZERALL, D. A model for the photosynthetic unit; photochemical and spectral studies on pheophytin a adsorbed onto small particles. Biochim. Biophys. Acta 112(2):235-255. Ref. Feb.7, 1966. 381 B522
Chloroplasts.
- 53154 CHAMINADE. Action of constituents of soil organic matter on plant metabolism, growth, and yield. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Senaces 51(17):1139-1145. Dec.1,1965. 14 P215Bc
- 53155 CHANDRAMOHAN, J. Loss of weight and increase in germinability in relation to different stages of maturity in rice grains. Madras Agr. J. 52(12):521-522. Dec.1965. 22 M262
- 53156 CHAPMAN, H. D., RAYNER, D. S., and JOSEPH, H. Calcium in relation to citrus nutrition. Calif. Citrogr. 51(6):238-240,242-243. Ref. Apr.1966. 80 C125
- 53157 CHAPMAN, H. D., JOSEPH, H., and RAYNER, D. S. Some effects of calcium deficiency on citrus. Amer. Soc. Hort. Sci. Proc. 86:183-193. Ref. June 1965. 81 So12
- 53158 CHEE, K. H., and NEWHOOK, F. J. Relationship of micro-organisms to sporulation of *Phytophthora einnamomi* Rands. New Zeal. J. Agr. Res. 9(1):32-43. Ref. Feb.1966. 23 N4892
- 53159 CHEN, S. S. C., and THIMANN, K. V. Studies on the germination of light-inhibited seeds of *Phacelia tanacetifolia*. Israel J. Bot. 13(2/4): 57-73. Ref. Mar.1965. 450 Is7
- 53160 CHENA GONZALEZ, R. The importance of internal water balance in the plant. (Sp) Panagra 2(29):22-27. Ref. Jan.1,1964. 8 P196
- 53161 CHEVAUGEON, J., CLOUET, L., and MICHEL, G. Nutrition, growth and extra chromosome modification of the *Pestalozzia annulata*. (Fr) Acad. Sci. Compt. Rend. 261(2):517-520. July 12,1965. 505 P21

- 53162 CHISCI, G. C. Experiments on the behaviour of several cultivars of lucerne (*Medicago sativa* L.) under differential irrigation treatments. (It) Ann. Sperim. Agr. (n.s.) 18(1/2): 79-113. Ref. 1964, pub. 1966. 16 An76 English summary.
- 53163 CHON, H. P. The effect of red light on phototropic sensitivity of corn coleoptiles. Diss. Abs. 26(3):1303. Sept. 1965. 241.8 M58
- 53164 CHOW, P. N. P. Absorption, translocation, and metabolism of 2-(2,4,5-trichlorophenoxy) propionic acid-1-C¹⁴ in *Opuntia* spp. Diss. Abs. 26(8):4152. Feb. 1966. 241.8 M58
- 53165 CHRISTIE, A. E. Partial processes in the polar transport of auxin. Diss. Abs. 26(3): 1303-1304. Sept. 1965. 241.8 M58 In corn coleoptiles.
- 53166 CHULANOVSKAYA, M. V. Photosynthetic coefficient in *Chlorella* at different temperatures. (Rus) Bot. Zhur. [Moscow] 51(1):135-138. Ref. 1965. 451 R923
- 53167 COGGINS, C. W., and LEWIS, L. N. Some physical properties of the navel orange rind as related to ripening and to gibberellic acid treatments. Amer. Soc. Hort. Sci. Proc. 86: 272-279. Ref. June 1965. 81 So12
- 53168 COORTS, G. D., MCCOLLUM, J. P., and GARTNER, J. B. Effect of senescence and preservative on mitochondrial activity in flower petals of *Rosa hybrida*, "Velvet Times." Amer. Soc. Hort. Sci. Proc. 86:791-797. Ref. June 1965. 81 So12
- 53169 COSTA YAGUE, F., and GUILLEN, M. G. Fluctuations in the composition of citrus leaves. I. The Verna lemon tree after treatment for a manganese deficiency. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:71-75. 1964. 56.9 C332 From Acta Salmaticensia, Ciencias.
- 53170 CRANE, J. C., and URIU, K. The effect of irrigation on response of apricot fruits to 2,4,5-T application. Amer. Soc. Hort. Sci. Proc. 86:88-94. Ref. June 1965. 81 So12
- 53171 CRIPPS, J. Root growth of apple trees. West. Australia. Dep. Agr. J. (ser.4) 6(11):679-680. Nov. 1965. 23 W52J
- 53172 CROWE, A. D. Effect of thinning sprays on metabolism of growth substances in the apple. Amer. Soc. Hort. Sci. Proc. 86:23-27. June 1965. 81 So12 Naphthaleneacetamide as the thinning spray.
- 53173 DALBRO, S. The spurleaves of apple trees. (Da) Horticultura 20(1):4-6. Jan. 1966. 80 H7825 English summary.
- 53174 DAVIES, J. W., and COCKING, E. C. Changes in carbohydrates, proteins and nucleic acids during cellular development in tomato fruit locule tissue. Planta 87(3):242-253. Ref. 1965. 450 P693
- 53175 DAVIS, R. M., and others. Independence of floral fertility and fruit-set in the tomato. Amer. Soc. Hort. Sci. Proc. 86:552-556. Ref. June 1965. 81 So12 P. G. Smith, V. H. Schweers, and R. W. Scheuerman, joint authors.
- 53176 DAVIS, R. M., and others. Relationships between fruit-set and developing fruit load in tomato. Amer. Soc. Hort. Sci. Proc. 86:557-564. June 1965. 81 So12 P. G. Smith, V. H. Schweers, and R. W. Scheuerman, joint authors.
- 53177 DEDEK, W., and KISRO, J. The metabolism of Tinox isomers in the tomato plant. (Ge) Atompraxis 12(2):100-104. Ref. Feb. 1966. 334.8 At73 English summary, p.72.
- 53178 DEIBNER, L., MOURGUES, J., and CABIBEL-HUGUES, M. Evolution of the index of volatile aromatic substances in the grapes of two red vine varieties during their maturation. (Fr) Ann. Technol. Agr. 14(1):5-14. Ref. 1965. 14 F8499An
- 53179 DEKAZOS, E. D., and CRANE, J. C. Fluctuations of total and nitrate nitrogen in parthenocarpic and nonparthenocarpic fig varieties. Hilgardia 37(5), 164 p. Jan. 1966. 100 C12H
- 53180 DENIZCI, R. Influence of kinetin and indoleacetic acid on the sprouting of the buds of *Pisum sativum*. (Ge) Planta 68(2):141-156. Ref. 1966. 450 P693 English summary.
- 53181 DISTLER, H., and POMMER, E. H. Biological activity of sulfonic acid esters. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(1):41-48. 1966. 448.3 C33 English summary. Tested in *Aspergillus niger*.
- 53182 DOBRENZ, A. K. The effect of temperature and reserve carbohydrate materials on the change from a vegetative to reproductive stage of growth and seed set in alfalfa. Diss. Abs. 26(3):1304. Sept. 1965. 241.8 M58
- 53183 DOI, Y., and others. Studies on the X-ray diagnosis of crop plants. 7. Photoperiod in relation to the heading of rice plant. (Ja) Yamaguti. Univ. Fac. Agr. Bull. 15:541-550. Ref. 1964. 107.6 Y14 M. Yamagata, T. Kobayasi, and K. Kunimasu, joint authors. English summary.
- 53184 DOORENBOS, J. Fruit culture and night frost. (Du) Landbouwkundig Tijdschr. 77(12):453-454. June 1965. 105.2 Or3
- 53185 DOXTADER, K. G. Nitrification by heterotrophic microorganisms. Diss. Abs. 26(9): 4916-4917. Mar. 1966. 241.8 M58 *Aspergillus* and *Penicillium*.
- 53186 DREW, L. O., GARNER, T. H., and KISH, A. J. Influence of soil crusting on seedling emergence and factors contributing to crusting. Amer. Soc. Agr. Eng. Pap. 149, 23 p. 1965. 290.9 Am32P Tests with corn and cotton.
- 53187 DUBOVSKY, J., and URBAN, J. Comparison of the effects of radiation on some varieties of field crops. (Cz) Nitra. Vysoka Sk. F. l'nohospodar. Agron. Fak. Prevadzko-En. Fak. Sb. 8:89-99. 1964. 281.9 N632 English summary. Effects on viability of seeds.
- 53188 DUPERON, P., and DUPERON, R. Development of sterols during germination in darkness of seeds of *Phaseolus vulgaris*. (Fr) Acad. Sci. Compt. Rend. 261(17):3459-3462. Ref. Oct. 27, 1965. 505 P21
- 53189 DU PREEZ, C. M. R. Why karoo bushes are drought resistant. Farming S. Afr. 41(10):17, 19, 23. Jan. 1966. 24 So842 Physiological and morphological studies of semi-arid zone plants.
- 53190 DURKIN, D. J. Bud dormancy in the Better Times rose. Amer. Soc. Hort. Sci. Proc. 86: 798-805. June 1965. 81 So12
- 53191 DZHALILOVA, A. O. Vegetative and seed propagation of *Alchemilla pastoralis* Buser in pasture communities. (Rus) Bot. Zhur. [Moscow] 50(11):1611-1621. Ref. Nov. 1965. 451 R923
- 53192 EARLEY, E. B., and others. Effects of shade on maize production under field conditions. Crop Sci. 6(1):1-7. Ref. Jan./Feb. 1966. 64.8 C883 R. J. Miller, G. L. Reichert, R. H. Hageman, and R. D. Seif, joint authors.
- 53193 EBRINGER, L. Macrolide antibiotics as bleaching factors for *Euglena gracilis*. Naturwissenschaften 52(24):666. Dec. 15, 1965. 474 N213
- 53194 EDGERTON, L. J., and HOFFMAN, M. B. Some physiological responses of apple to N-dimethyl amino succinamic acid and other growth regulators. Amer. Soc. Hort. Sci. Proc. 86:28-36. Ref. June 1965. 81 So12

- 53195 EKUNDAYO, J. A. Further studies on germination of sporangiospores of *Rhizopus arrhizus*. J. Gen. Microbiol. 42(2):283-291. Ref. Feb.1966. 448.3 J823
Electron microscope studies.
- 53196 ELIAS CASTILLO, F., and GIMENEZ ORTIZ, R. Evapotranspiraciones potenciales y balances de agua en Espana [Potential evapotranspiration and water balance in Spain]. Madrid, Mapa Agronomico Nacional, 1965. 293 p.,map. Ref. QC925.4S6E4
English summary.
- 53197 ELISEEVA, O. I. Some peculiarities in tomato metabolism as induced by watering. (Rus) Respublikanskaya Nauchnaya Konferentsiya Fiziolov i Biokhimikov Rastenii Moldavii. Trudy I:239-245. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:22. July 1965. Film S-202
- 53198 ELLIOTT, A. A., and BARNETT, H. L. Effects of light and nutrition on sporulation of *Dendrophoma obscurans*. W. Va. Acad. Sci. Proc. 37:32-34. 1965, pub. 1966. 500 W52
- 53199 ELMSTROM, G. W., and HILLYER, I. G. Internal moisture stress in tomato measured by relative turgidity and soluble solids in leaves. Amer. Soc. Hort. Sci. Proc. 86:569-574. June 1965. 81 So12
- 53200 ERVIO, L. R. The effect of various treatments of culture medium upon the growth of certain fungal antagonists. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2): 84-88. Ref. 1965. 20 Su7M
Soil fungi antagonistic to *Sclerotinia trifolium*, *S. sclerotiorum* and *Botrytis cinerea*.
- 53201 ESCH, H. E. Dose-dependent gamma irradiation effects on the resting potential of *Nitella flexilis*. Radiat. Res. 27(3):355-362. Ref. Mar.1966. 334.8 R11
- 53202 FAJERSSON, F. Comparative research with the prometer and Kjeldahl method with reference to varietal, fertilizer, and seasonal differences. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1965:135-144. 389.9 Ar1
English summary.
Wheat.
- 53203 FAJERSSON, F. Influence of CCC (chlorocholine chloride) on cultural and quality properties of wheats. (Ge) Mullerei 18(19):277. May 8, 1965. 298.8 M91
- 53204 FAVILLI, R. A voice from the Encyclopedia. (It) Ital. Agr. 103(3):259-289. Ref. Mar.1966. 16 It1
Hydroponics.
- 53205 FAWCETT, R. G. Some effects of environment on grain protein content of wheat. Australian Inst. Agr. Sci. J. 31(4):324-326. Dec.1965. 23 Au74
- 53206 FELTNER, K. C., and MASSENGALE, M. A. Influence of temperature and harvest management on growth, level of carbohydrates in the roots, and survival of alfalfa (*Medicago sativa* L.). Crop Sci. 5(6):585-588. Ref. Nov./Dec. 1965. 64.8 C883
- 53207 FENDALL, R. K., and CARTER, J. F. New-seed dormancy of green needlegrass (*Stipa viridula* Trin.). I. Influence of the lemma and palea on germination, water absorption and oxygen uptake. Crop Sci. 5(6):533-536. Ref. Nov./Dec.1965. 64.8 C883
- 53208 FERNANDEZ-BOLANOS BORRERO, P. Olive resistance to foliar applications of urea. (Sp) Agricultura [Madrid] 34(401):490-492. Sept. 1965. 15 Ag84
- 53209 FISHER, D. B. Kinetics of photosynthate translocation. Diss. Abs. 26(9):4990. Mar.1966. 241.8 M58
Tests with soybean plants.
- 53210 FLAIG. Action of lignin degradation products on plant metabolism; possible mechanism of this action. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(17):1118-1139. Ref. Dec.1,1965. 14 P215Bc
Humus formation chemistry included.
Includes discussion.
- 53211 FLESCH, P., MUNZNER, R., and ROCHELMEYER, H. Physiological metabolic investigations on *Claviceps purpurea*. I. (Ge) Arch. Pharm. 299(1):8-18. Jan.1966. 396.8 Ar2A
- 53212 FORD, H. W. Bacterial metabolites that affect citrus root survival in soils subject to flooding. Amer. Soc. Hort. Sci. Proc. 86:205-212. Ref. June 1965. 81 So12
In Florida.
- 53213 FOSTER, R. E. The effect of pH on rooting *Cucumis melo* L. cuttings and the influence of cuttings on solution pH. Amer. Soc. Hort. Sci. Proc. 86:446-450. Ref. June 1965. 81 So12
- 53214 FRANCO, C. M. Report to the government of India on coffee dieback. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2005, 13 p. 1965. 281.9 F733E
Physiological disorder caused by overbearing.
- 53215 FREDGA, A., and AVALAHT, I. Studies on synthetic growth substances. XX. Resolution and absolute configuration of 4-methoxyphenoxy-propionic acid. Arkiv Kem. 24(5): 425-430. Ref. 1965. 385 Ar4
- 53216 FUCIK, J. E., and TITUS, J. S. Split-root studies on calcium and manganese absorption and translocation in seedling apple trees. Amer. Soc. Hort. Sci. Proc. 86:12-22. Ref. June 1965. 81 So12
- 53217 GABBASOV, A. M., and BAIDAULETOV, O. K. Comparative effects of different intensity of radiation on seeds of wheat before planting. (Rus) Akad. Nauk Kazakhskoi SSR. Vest. 11: 66-77. Ref. 1965. 511 AL6
Germination.
- 53218 GABRIEL, W. J. The onset and duration of stigma receptivity in sugar maple flowers. Forest Sci. 12(1):14-18. Mar.1966. 99.8 F7632
In relation to pollination.
- 53219 GARCIA FERNANDEZ, J. The speed-mass-structure system in plants. (Sp) Agricultura [Madrid] 34(397):253-255. May 1965. 15 Ag84
- 53220 GARESTIER, R., CHENIEUX, J. C., and RIDEAU, M. Presence of factors of growth in the leaves of *Citrus sinensis* and *Evodia fraxinifolia*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):350-353. Jan.17,1966. 505 P21
- 53221 GARESTIER, R., RIDEAU, M., and CHENIEUX, J. C. The presence of growth and inhibitory factors in the leaf extracts of two Rutaceae: *Choisya ternata* Kunth and *Ptelea trifoliata* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2): 259-262. Jan.10,1966. 505 P21
- 53222 GARY, H. L., and CAMPBELL, C. J. Water table characteristics under tamarisk [*Tamarix pentandra*] in Arizona. U. S. Forest Serv. Res. Note RM-58, 7 p. Nov.1965. A99.9 F7632Us
Evapotranspiration.
- 53223 GARZA TREVINO, R. The influence of light intensity, temperature and growing period on the growth, chemical composition and digestibility of Culver and Tanverde alfalfa seedlings. Diss. Abs. 26(3):1254-1255. Sept.1965. 241.8 M58
- 53224 GATES, D. M. The energy environment in which we live. In Brode, W. R., ed. Science in progress, ser.15, p.93-124. New Haven, Yale Univ. Press, 1966. 330 B16
Solar and other radiation, including their effects on plants.
- 53225 GAUSMAN, H. W., and BATTEESE, R. I. Manganese toxicity symptoms on potato plants. Maine Farm Res. 13(4):39-43. Jan.1966. 100 M28Ma

- 53226 GEIDEL, H., and SCHUSTER, W. Investigations into ecologically induced variability of different varieties of potato. (Ge) Z. Acker-Pflanzenbau 123(1):31-58. Ref. Dec.1965. 18 J825
English summary.
- 53227 GERBER, J. F., and HASHEMI, F. The freezing point of citrus leaves. Amer. Soc. Hort. Sci. Proc. 86:220-225. June 1965. 81 So12
Effects of cold on the leaves.
- 53228 GERICKE, S. Phosphate fertilizing and quality of food plants. (Ge) Ernähr.-Umsch. 12(5):130-132. May 1965. 389.8 Er66
- 53229 GERLACH, D. Fertilization and autogamy in *Rubus caesius*. (Ge) Biol. Zentralbl. 84(5): 611-633. Ref. Sept./Oct.1965. 442.8 B523
English summary.
- 53230 GIBSON, W. B. Horticulture—weed control—a pointer to nurserymen. Agr. Northern Ireland 40(2):57-59. June 1965. 256.13 Ag82M
Effect of simazine on strawberries.
- 53231 GILBART, D. A., and DEDOLPH, R. R. Phyto-kinin effects on respiration and photosynthesis in roses and broccoli. Amer. Soc. Hort. Sci. Proc. 86:774-778. Ref. June 1965. 81 So12
- 53232 GISKIN, M. L. Corn root response to soil suction. Diss. Abs. 26(3):1255. Sept.1965. 241.8 M58
- 53233 GLADSTONES, J. S. The climate and soils of south-western Australia in relation to vine growing. Australian Inst. Agr. Sci. J. 31(4): 275-288., map. Ref. Dec.1965. 23 Au74
- 53234 GODNEV, T. N., and SCHABELSKAYA, E. F. Formation of chlorophyll and carotenoids in the fruit of the tomato in the process of gradual growth and ripening. 7 p. Transl. 14385
Translation from Akademiyi Nauk Belorus-skoi SSR. Doklady 7:347-349. 1963.
- 53235 GOINS, T., LUNIN, J., and WORLEY, H. L. Water table effects on the growth of tomatoes, snap beans and sweet corn. Amer. Soc. Agr. Eng. Pap. 728,14 p. 1965. 290.9 Am32P
- 53236 GOLD, V. M. Connection of cyclic phosphorylation with transformation of xanthophyll to light. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauk. 1:139-141. 1965. 442.8 N22
Arctium used for experiment.
Abstracted in Ref. Zh. Biol. 21(sect.R):13. Nov.1965. 241.7 R25
- 53237 GOLINKA, P. I. Peculiarities of the growth of leaves, development of chloroplasts and accumulation of pigments in grapes depending on the pruning. (Ukr) Ukr. Bot. Zhur. 21(4): 33-40. Ref. 1964. 450 J8212J
English summary.
- 53238 GOLOVKIN, B. N. On the longevity of bulbous plants. (Rus) Bot. Zhur. [Moscow] 50(11): 1642-1645. Ref. Nov.1965. 451 R923
Liliaceae.
- 53239 GONTYUROV, I. M. Degeneration of potatoes in Ural. (Rus) Ural'skii Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva. Trudy 5:268-278. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55. Rastenievod. 14:56. July 1965. Film S-202
- 53240 GORSHKOV, P. A., and SAZHKO, M. M. Influence of nitrogen nutrition on monoecious phenomena and on formation of sexual types of monoecious hemp. (Rus) Agrokhimiya 7:23-34. July 1964. 385 Ag89
- 53241 GOTTFREICH, M. Delaying the maturity of intact banana bunches by chemical treatment. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 494,6 p. Feb.1965. 107 R26
English summary.
Gibberellin, benzimidazole, and adenine.
- 53242 GOURGAUD, M. Formations of buds on the protonema of *Funaria hygrometrica* Hedw. grown in darkness. (Fr) Acad. Sci. Compt. Rend. 261(16):3185-3188. Oct.18,1965. 505 P21
- 53244 GREBET, P. Weight evapotranspirometer through electronic dynamometers. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(15):1026-1033. Nov.3/10,1965. 14 P215Bc
Measurement of evapotranspiration in plants.
- 53243 GRAVEN, E. H. Factors affecting manganese toxicity in alfalfa and their relation to liming. Diss. Abs. 26(9):4942-4943. Mar.1966. 241.8 M58
- 53245 GREENBLATT, G. A. Some interactions of hormones and growth retardants in abscission. Diss. Abs. 26(8):4153-4154. Feb.1966. 241.8 M58
Gossypium hirsutum.
- 53246 GRIFFIN, J. A. "Do's and "Don't's in water use. Indian Farming 15(6):30. Sept.1965. 22 In283
Water relations of plants.
- 53247 GRODZINSKII, A. M. The role of chemical interaction (allelopathy) in the life of plants. (Rus) Respublikanskaya Nauchnaya Konferentsiya Fiziologov i Biokhimikov Rastenii Moldavii. Kishinev. Trudy 1:323-327. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.V):18. Oct.1965. 241.7 R25
- 53248 GUREVICH, F. A., DROKIN, A. I., and BARKHATOVA, I. M. Effects of supersonic vibration on growth of plants. (Rus) In Vopr. biofiz. i mekhanizma deistviya ionizir. radiatsii 1964: 148-151. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.G):3. Nov.1965. 241.7 R25
- 53249 GUREVICH, S. M., and BORONINA, I. I. Nutritional elements entering the pea plant and their use by crops as influenced by the level of nutrition. (Rus) Agrokhimiya 7:53-63. July 1964. 385 Ag89
Mineral fertilizers.
- 53250 GUTKNECHT, J. Ion distribution and transport in the red marine alga, *Gracilaria foliifera*. Biol. Bull. 129(3):495-509. Ref. Dec.1965. 442.8 B52
- 53251 GUTKNECHT, J. W. Uptake, retention, and loss of zinc-65 and cesium-137 by littoral marine algae. Diss. Abs. 26(3):1733. Sept. 1965. 241.8 M58
- 53252 GVOZDIKOVSKAYA, A. T., and PARSHIKOV, V. N. Effect of the photosynthetic, activity of leaves on the absorption of nitrogen, phosphorus and potassium by corn. (Ukr) Ukr. Bot. Zhur. 21(6):18-24. Ref. 1964. 450 J8212J
English summary.
- 53253 GYORGY, MRS., and NAGY, MRS. Nutrient requirement of *Colletotrichum* species. I. Amino acid examinations. (Hu) Novenytermeles 15(1):87-94. Ref. Mar.1966. 64.8 N76
English summary.
Colletotrichum lindemuthianum and *C. lagenarium*.
- 53254 HACKER, M., and STOHR, H. The degradation of reserve fat in the cotyledons of *Sinapis alba* L. under the influence of phytochrome. (Ge) Planta 68(2):215-224. Ref. 1966. 450 P693
English summary.
- 53255 HALABAN, R., GALUN, E., and HALEVY, A. H. Experimental morphogenesis of stem tips of *Ornithogalum arabicum* L. cultured in vitro. Phytomorphology 15(4):379-387. Ref. Dec. 1965. 450 P566
Includes effects of gibberellic acid in the growing medium.
- 53256 HALEVY, A. H., and WITTWER, S. H. Foliar uptake and translocation of rubidium in bean plants as affected by root absorbed growth regulators. Planta 67(4):375-383. Ref. 1965. 450 P693
- 53257 HALL, E. J., and others. On the population kinetics of the root meristem of *Vicia faba* exposed to continuous irradiation. Radiat. Res. 27(4):597-603. Ref. Apr.1966. 334.8 R11
R. Oliver, B. J. Shepstone, and J. S. Bedford, joint authors.

- 53258 HALLAIRE, M., and BOUCHET, R. J. Research on new techniques for measuring potential and actual evapotranspiration. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(15):1024-1026. Nov.3/10,1965. 14 P215Bc
- 53259 HAMZI, H. Q. Relationships between cytokinin activity and chemical structure of purine derivatives. Diss. Abs. 26(9):4992. Mar.1966. 241.8 M58
Growth-promoting activity in tobacco cultures.
- 53260 HANAN, J. J. Efficiency and effect of irrigation regimes on growth and flowering of snapdragons. Amer. Soc. Hort. Sci. Proc. 86:681-692. Ref. June 1965. 81 So12
- 53261 HANGER, B. C. The influence of iron upon the toxicity of manganese, molybdenum, copper and boron in red clover (*Trifolium pratense* L.). Australian Inst. Agr. Sci. J. 31(4):315-317. Dec.1965. 23 Au74
- 53262 HANSCH, C., and DEUTSCH, E. W. The structure-activity relationship in amides inhibiting photosynthesis. Biochim. Biophys. Acta 112(3):381-391. Ref. Mar.14,1966. 381 B522
In isolated chloroplasts.
- 53263 HARLE, J. R. RBE [relative biological efficiency] of 14 MeV neutrons in dry barley seeds. Radiat. Bot. 5(5):417-422. Ref. Nov.1965. 450 R11
Gamma rays.
- 53264 HARMOS, F. Advantages of scarified beet seed. (Hu) Magyar Mezogazdasag 21(12):9. Mar.23,1966. 19 M27
- 53265 HASEGAWA, T., SUZUKI, T., and SAHASHI, Y. Promoting effects of amino acids on plant germination. (Ja) J. Agr. Sci. [Setagaya] 10(2):38-40. Oct.1964. 22.5 J824
English summary.
Radish and rice seeds used.
- 53266 HASLJA, S. K. Nitrogen and sulphur requirements of *Colletotrichum inamidarii* Lal. Mycopathol. Mycol. Appl. 28(1/2):102-106. Ref. Jan.31,1966. 450 M994
- 53267 HATANO, K., YAGI, K., and WATANABE, A. Some aspects of the respiration in the root of pine seedlings. (Ja) Jap. Forest. Soc. J. 47(12):434-437. Dec.1965. 99.8 N62
Pinus densiflora and *Pinus thunbergii*.
- 53268 HAUPT, W. Phototaxis in plants. Int. Rev. Cytol. 19:267-299. Ref. 1966. 442.8 In82
- 53269 HAVIS, J. R. Desiccation as a factor in winter injury of *Rhododendron [catawbiense]*. Amer. Soc. Hort. Sci. Proc. 86:764-769. June 1965. 81 So12
- 53270 HAYASHI, T. Fundamental studies on the Sugi tree (*Cryptomeria japonica* D. Don) raised from seedlings of different regions of Japan. III. On the status of flowering of Sugi trees raised from seedlings. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):280-294. Mar.1965. 22.5 M6932B
English summary.
- 53271 HAZELL, D. B. Forage production, vegetative composition and plant vigor in relation to range condition. Diss. Abs. 26(3):1305. Sept. 1965. 241.8 M58
- 53272 HEGWOOD, D. A. The influence of rate and source of nitrogen, soil temperature, water application, and plant growth on certain aspects of strawberry nitrogen nutrition, and on the form and amount of nitrogen found in an Olivier silt loam soil and its leachate. Diss. Abs. 26(8):4154-4155. Feb.1966. 241.8 M58
- 53273 HEIDE, O. M. Effects of 6-benzylamino-purine and 1-naphthaleneacetic acid on the epiphyllous bud formation in *Bryophyllum*. Planta 67(3):281-296. Ref. 1965. 450 P693
- 53274 HELMER, J. D. Field and laboratory performance of cottonseed processed by different methods. Diss. Abs. 26(9):4943. Mar.1966. 241.8 M58
- 53275 HENDRICKS, S. B. Salt entry into plants. Soil Sci. Soc. Amer. Proc. 30(1):1-7. Ref. Jan./Feb.1966. 56.9 So3
- 53276 HEWITT, A. A., and FURR, J. R. Influence of salt source on the uptake of chlorides by selected citrus seedlings. Amer. Soc. Hort. Sci. Proc. 86:201-204. June 1965. 81 So12
- 53277 HEWITT, A. A., and FURR, J. R. Uptake and loss of chloride from seedlings of selected citrus rootstock varieties. Amer. Soc. Hort. Sci. Proc. 86:194-200. Ref. June 1965. 81 So12
- 53278 HIGHKIN, H. R., and LANG, A. Residual effect of germination temperature on the growth of peas. Planta 68(1):94-98. Ref. 1966. 450 P693
- 53279 HIRONO, Y., and REDEI, G. P. Acceleration of flowering of the long-day plant *Arabidopsis [thaliana]* by 8-azaadenine. Planta 68(1):88-93. 1966. 450 P693
- 53280 HOCKEY, K. C. Chilling requirements of apple trees. Orchardist New Zeal. 39(1):17. Jan./Feb.1966. 80 Or19
- 53281 HOGAN, L., and SHANKS, J. B. Nutritional studies on *Philodendron cordatum*. Amer. Soc. Hort. Sci. Proc. 86:662-671. Ref. June 1965. 81 So12
- 53282 HONDA, N., and OKAZAKI, M. Studies on the photosynthesis and respiration in the grape leaves. I. Photosynthesis. 1. (Ja) Okayama. Univ. Fac. Agr. Sci. Rep. 25:11-23. Ref. Mar. 1965. 107.6 Ok12
English summary.
- 53283 HONG, S. W., KIM, C. K., and YOON, K. S. Effects of absorbed radioactive sulfur (S^{35}) in plant cell. II. Effects of sulfur on the growth and tissue respiration of rye seedlings. (Ko) Korean J. Bot. 8(1/2):5-10. Mar./June 1965. 450 K84
English summary.
- 53284 HORIO, T., NISHIKAWA, K., and YAMASHITA, J. Synthesis and possible character of a high-energy intermediate in bacterial [*Rhodospirillum rubrum*] photophosphorylation. Biochem. J. 98(1):321-329. Ref. Jan.1966. 382 B52
- 53285 HOROVITZ, C. T. Effect of scandium on higher plants. (Ge) Naturwissenschaften 52(22):623. Nov.15,1965. 474 N213
On germination.
- 53286 HUDSON, J. P. Lateral movement of energy in the wind. Sci. Hort. 18:40-46. Ref. 1964/65. 84 H78
Effects of wind on evapotranspiration.
- 53287 HUNTER, A. S., and ROSENAU, W. A. The effects of urea, biuret, and ammonia on germination and early growth of corn (*Zea mays* L.). Soil Sci. Soc. Amer. Proc. 30(1):77-81. Ref. Jan./Feb.1966. 56.9 So3
- 53288 HUNTER, J. H., and others. The nutritional requirements for sexual reproduction in some species of *Phytophthora*. W. Va. Acad. Sci. Proc. 37:75-82. Ref. 1965, pub.1966. 500 W52
L. A. Berg, W. N. Harnish, and W. G. Merz, joint authors.
- 53289 HURDUC, N. Physiological aspects of the formation of yields. (Rum) Probl. Agr. [Bucharrest] 17(7):21-30. Ref. July 1965. 21 R862
Field crops.
- 53290 HURST, E. H. Investigation of extrametabolites produced by algae in culture. Diss. Abs. 26(8):4194. Feb.1966. 241.8 M58
- 53291 HUYSKES, J. A. The importance of the cold requirement before forcing for selection of Brussels chicory. (Fr) Ann. Gembloux 71(3):197-209. Third Q.1965. 13 G28
- 53292 IKEDA, K. The influence of temperature on the flower formation of *Pharbitis nil*. Chois, a short day plant. (Ge) Mie Univ. Fac. Agr. Bull. 31:1-36. Ref. Mar.1965. 107.6 T78

- 53293 IKEDA, T., and others. Studies on the adaptability of wheat and barley on acid soil, especially in regard to its varietal difference and laboratory detection. (Ja) Okitsu, Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 12:64-79. Ref. Jan.1965. 87 Ok322
S. Higashi, S. Kagohashi, and T. Moriya, joint authors.
English summary.
- 53294 IL'INA, G. V., and RYDKII, S. G. Uptake of radioactive fission products by field crops. 1. Accumulation of radioactive fission products by grain and oil-bearing crops. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(1,pt.2):T123-T127. Ref. Jan./Feb.1966. 442,9 F31P
Translation from Moscow. Universitet, Vestnik. Seriya 6. 20(1):42. 1965.
- 53295 ISHIHATA, K. On the development of the fruit and behaviour of flower organs in purple passion fruit (*Passiflora edulis* Sims). Kagoshima Univ. Fac. Agr. Mem. 5(2):1-7. Mar.1965. 107.6 K114
- 53296 IZMAILOVA, N. N. Intensity of plant transpiration dependent on altitude of growing place. (Rus) Probl. Botaniki 7:205-212. 1965. 451.1 V962
Abstracted in Ref. Zh. Biol. 21(sect.G):6. Nov.1965. 241,7 R25
- 53297 JACKSON, T. L., WESTERMANN, D. T., and MOORE, D. P. The effect of chloride and lime on the manganese uptake by bush beans and sweet corn. Soil Sci. Soc. Amer. Proc. 30(1):70-73. Ref. Jan./Feb.1966. 56,9 So3
- 53298 JAHNKE, L. S., and LAWRENCE, D. B. Influence of photosynthetic crown structure on potential productivity of vegetation, based primarily on mathematical models. Ecology 46(3):319-326. Ref. Spring 1965. 410 Ec7
- 53299 JANA, M. K. X-ray induced female sterility in *Phaseolus mungo*. Naturwissenschaften 52(23):646. Dec.1,1965. 474 N213
- 53300 JANES, B. E. Adjustment mechanisms of plants subjected to varied osmotic pressures of nutrient solution. Soil Sci. 101(3):180-188. Ref. Mar.1966. 56,8 So3
Beans and redpepper.
- 53301 JENSEN, R. G. Properties of chlorophyll derivatives bonded to polymers. Diss. Abs. 26(3):1322. Sept.1965. 241,8 M58
- 53302 JEREBZOFF, S., and JEREBZOFF-QUINTIN, S. The role of aneurin and asparagine on the function of internal rhythm of *Leptosphaeria michotii* (West.) Sacc. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1110-1112. Mar.7,1966. 505 P21
- 53303 JESCHKE, W. D., and SIMONIS, W. On the uptake of phosphate and sulphate ions by leaves of *Elodea densa* as influenced by light, temperature and external concentrations. (Ge) Planta 67(1):6-32. Ref. 1965. 450 P693
English summary.
Using ^{32}P and ^{35}S as tracers.
- 53304 JOHNSON, B. On the ascent of sap in trees: the viscosity of water and Karo syrup-water solutions at pressures below absolute zero. Diss. Abs. 26(3):1306. Sept.1965. 241,8 M58
- 53305 JOHNSON, G. V. The influence of contact time and mineral type on the extractability and availability to plants of radiocesium and radiocalcium from soils. Diss. Abs. 26(3):1267. Sept.1965. 241,8 M58
- 53306 JOHNSON, W. M., BLANKENSHIP, J. O., and BROWN, G. R. Explorations in the germination of sedges [*Carex*]. U. S. Forest Serv. Res. Note RM-51,8 p. Aug.1965. A99,9 F7632Us
- 53307 JONES, J. B. New plant tissue test. Hoard's Dairyman 111(8):526. Apr.25,1966. 44,8 H65
Analysis.
- 53308 JONES, W. W., and CREE, C. B. Environmental factors related to fruiting of Washington navel oranges over a 38-year period. Amer. Soc. Hort. Sci. Proc. 86:267-271. Ref. June 1965. 81 So12
Effects of temperature and weather on yields, in California.
- 53309 JONSSON, S. Influence of the geographical origin on the evolutive cycles in marine Chlorophyceae of the genus *Acrosiphonia*. (Fr) Acad. Sci. Compt. Rend. 261(2):499-502. July 12,1965. 505 P21
- 53310 JORGENSEN, J. The germination capacity of seeds in mechanically damaged sugar beet clusters. Denmark. Statsfroktr. Beretn. 94:65-75. Dec.1965. 61,4 D41
English summary.
- 53311 JOURET, C., and BENARD, P. The influence of stocks on the mineral composition of wines from vines grown in saline soils. (Fr) Ann. Technol. Agr. 14(4):349-355. 1965. 14 F8499An
English summary.
- 53312 JULLIARD, B. Effect of fluorenol derivative on the proliferation and differentiation of grape cuttings. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):273-276. Jan.10,1966. 505 P21
- 53313 JYUNG, W. H., WITTWER, S. H., and BUKOVAC, M. J. The role of stomata in the foliar absorption of Rb by leaves of tobacco, bean and tomato. Amer. Soc. Hort. Sci. Proc. 86:361-367. Ref. June 1965. 81 So12
- 53314 KAHRE, L. Is the biological seed crop a Utopia? (Sw) Svensk Valltidskr. 4(4):126-129. 1965. 60,8 Sv22
Factors affecting maximal seed yields of forage plants.
- 53315 KALDEWEY, H. Thermonastic movements of the flower stalks of *Fritillaria meleagris* L. in connection with growth and auxin. (Ge) Planta 67(1):55-74. Ref. 1965. 450 P693
English summary.
- 53316 KANAK, K. Methods of controlled pollination of pines used at arboretum Bolevec. Commun. Inst. Forest. Cech. 4:127-139. Ref. 1965. 99,9 P884
- 53317 KANIUGA, Z. Glutamine synthesis and nitrogen assimilation from urea and from ammonium ions. 20 p. Ref. (OTS 61-11322) Transl. 14987
Translation from Acta Societatis Botanicae Poloniae 27(2):313-342. 1958. CFSTI: \$0.50.
- 53318 KARSCHON, R. On the transpiration of *Cupressus sempervirens* L. and *Cupressus atlantica* Gaussen. La-Yaaran 15(3):90-89. Sept. 1965. 99,9 So19
- 53319 KARVE, A. D., and HEGDE, B. A. A feedback model to demonstrate the phenomenon of photoperiodic entrainment of circadian oscillations. Naturwissenschaften 52(24):664-665. Dec.15, 1965. 474 N213
Tests with etiolated *Carthamus tinctorius* seedlings.
- 53320 KASEMIR, H., and MOHR, H. Control of chlorophyll and protein contents in fern [*Dryopteris filix-mas*] gametophytes by visible radiation. (Ge) Planta 67(1):33-43. Ref. 1965. 450 P693
English summary.
- 53321 KATABADZE, E. V. Results from the study of vegetative reproduction of some plants in Sukhumi Botanical Garden. (Rus) Sukhum. Bot. Sad. Trudy 15:122-131. 1964. 451 Su42
Use of growth substances on ornamental plants.
Abstracted in Ref. Zh. Otd Vypusk [Ser.] 55, Rastenievod. 14:42-43. July 1965. Film S-202
- 53322 KATHAVATE, Y. V., and SHIVAMURTHY, S. C. Effect of excessive molybdenum on berseem (*Trifolium alexandrinum* Juslen.). Indian J. Agr. Sci. 35(2):153-156. Ref. June 1965. 22 Ag831

- 53323 KATO, I., and others. Studies on the evapo-transpiration of crops. II. On the transpiration amount of paddy rice plants in paddy field and upland field conditions. (Ja) Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 12:39-63. Ref. Jan.1965. 87 Ok322
Y. Naito, R. Taniguchi, and F. Kamota, joint authors.
English summary.
- 53324 KATO, I., and others. Studies on the evapo-transpiration of crop. IV. On the transpiration amount and evaporation amount in grape orchard. (Ja) Okitsu. Toaki-Kinki Nat. Agr. Exp. Sta. Bull. 13:54-69. Ref. Mar.1965. 87 Ok322
Y. Naito, R. Taniguchi, and F. Kamota, joint authors.
English summary.
- 53325 KATZ, J. J., and CRESPI, H. L. Deuterated organisms: cultivation and uses. Science 151 (3715):1187-1194. Ref. Mar.11,1966. 470 Sci2
Includes algae, fungi, higher plants, and proteins in magnetic resonance studies.
- 53326 KATZ, S., and REINHOLD, L. Changes in the electrical conductivity of Coleus tissue as a response to chilling temperatures. Israel J. Bot. 13(2/4):105-114. Ref. Mar.1965. 450 Is7
- 53327 KAUKOVIRTA, E. Treating group plants with growth retardants. (Fi) Puutarha 69(1):16-18. 1966. 80 P99
English summary in "Contents and summaries."
- 53328 KAWATAKE, M., and others. Studies on the re-growth of teosinte after cutting. (Ja) Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 12:80-86. Jan.1965. 87 Ok322
R. Ishida, K. Shimura, and G. Nishimura, joint authors.
English summary.
- 53329 KEFFORD, N. P., ZWAR, J. A., and BRUCE, M. I. Enhancement of lettuce seed germination by some urea derivatives. Planta 67(1): 103-106. Ref. 1965. 450 P693
- 53330 KHALLER, E. K. Effect of germinating conditions on the biochemical processes in the sprouts and yield capacity of plants. (Rus) In Biologicheskie osnovy povysheniya kachestva semyan sel'skokhozyaistvennykh rastenii 1964: 59-65. (Not in Libr.)
Sweetclover and alfalfa.
Abstracted in Ref. Zh. Biol. 19(sect.G):9. Oct.1965. 241.7 R25
- 53331 KHAN, A. A. Inhibition of lettuce seed germination and seedling growth by antimetabolites of nucleic acids, and reversal by nucleic acid precursors and gibberellic acid. Planta 68(1): 83-87. Ref. 1966. 450 P693
- 53332 KILEZHENKO, V. P., and PODYMAKHIN, N. V. Accumulation of radioactive elements by some organisms in southern part of Barents Sea. (Rus) Materialy rybokhoz. issled. Sev. basseina 4:135-141. 1964. (Not in Libr.)
Includes algae.
Abstracted in Ref. Zh. Biol. 21(sect.D):30. Nov.1965. 241.7 R25
- 53333 KIM, W. S. Complete fractionation of bacteriochlorophyll and its degradation products. Biochim. Biophys. Acta 112(3):392-402. Ref. Mar.14,1966. 381 B522
- 53334 KIREEVA, L. M. Photosynthesis of tomatoes grown under polymer synthetic films. (Uk) Kartoplya, ovochevi ta bashtanni kul'tury 1: 123-128. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Ord. Vypusk [Ser.] 55, Rasteniyevod. 14:22. July 1965. Film S-202
- 53335 KLINTSARE, A. A. Effect of some epiphytic and rhizomic microorganisms on growth and development of barley and alfalfa. (Rus) Mikroorganizmy i Rasteniya 2:83-95. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:12. July 1965. Film S-202
- 53336 KOHL, D. H. Studies of photosynthesis in intact cells by electron spin resonance. Diss. Abs. 26(3):1306-1307. Sept.1965. 241.8 M58
- 53337 KOMAREK, J., and SIMMER, J. Synchroniza-tion of the cultures of Scenedesmus quadricauda (Turp.) Breb. Biol. Plant. 7(6):409-424. Ref. 1965. 450 B52
- 53338 KONAR, R. N., and LINSKENS, H. F. Some observations on the stigmatic exudate in Petunia hybrida. Naturwissenschaften 52(22):625. Nov.15,1965. 474 N213
- 53339 KOOLJ, S. VAN DER. Sun and milk. (Du) CMC (Coop. Melkcent.) 21(24):497. Feb.26,1966. 44.8 C11
Effect of hours of sunlight on forage.
- 53340 KORAN, Z. Ultrastructure of tyloses and a theory of their growth mechanism. Diss. Abs. 26(8):4195. Feb.1966. 241.8 M58
Studies in osage-orange, black locust, and white oak.
- 53341 KOROVIN, A. I., and VOROB'EV, V. A. Effect and after-effect of low soil temperatures and autumn frosts on the beginning and productivity of nitrogen fixation in Leguminosae. (Rus) Akad. Nauk SSSR. Dokl. 166(6):1469-1471. Ref. 1966. 511 P444A
Broadbeans. ,
- 53342 KOTSYURENKO, M. KH. Photosynthesis in sugar beets as dependent upon preceeding crops, fertilizers and planting density. (Rus) In Belotserkovskaya Opytno-Selektsionnaya Stantsiya. Itogi Nauchno-Issledovatel'skikh Rabot po Selektzii, Agrotekhnike i Zashchite Rastenii 1964:153-166. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:32. July 1965. Film S-202
- 53343 KOTT, S. A. On persistent propagation of the biological types of some weeds. (Rus) Bot. Zhur. [Moscow] 50(11):1589-1595. Ref. Nov. 1965. 451 R923
By layering and by seed dissemination.
- 53344 KREBS, A. T. Radiation-induced premature aging in leaves and autumnal events in nature. Beitr. Biol. Pflanzen 41(2):157-174. Ref. 1965. 450 C66
Field tests in mixed evergreen-deciduous, and pine forests, including abscission, and laboratory tests.
- 53345 KRYUKOVA, L. N. Submergence into the soil of the coronet of Medicago sativa L. as related to its growth and development. (Rus) Bot. Zhur. [Moscow] 50(11):1571-1575. Ref. Nov. 1965. 451 R923
- 53346 KUHNE, L. The physical relationship between temperature coefficient and activation energy of swelling in seeds. (Ge) Planta 67(3):254-264. Ref. 1965. 450 P693
English summary.
- 53347 KULACHENKO, V. G. Changes of technological properties of fibers induced by nitrogen and phosphorus nutrition of cotton in their initial stage of development. (Rus) Tashkent. Nauch.-Issled. Inst. po Khlopkov. Trudy 4:107-119. 1964. 72.9 T182T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:29. July 1965. Film S-202
- 53348 KULIK, A. G. Determination of productive properties of sugar beet seeds under laboratory conditions. (Rus) Voprosy Semenovodstva, Semenovedeniya i Kontrol'no-Semnogo Dela 2:65-67. 1964. (Not in Libr.)
Correlation between size, vitality and germination.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:33. July 1965. Film S-202
- 53349 KULL, U. The occurrence and the physiological behaviour of sedoheptulose as a part of the carbohydrate-metabolism of vegetative parts of plants. (Ge) Beitr. Biol. Pflanzen 41(2): 231-300. 1965. 450 C66
English summary.
Bibliography, p.284-300.
Coleus blumei, Saxifraga decipiens, and Omphalodes verna.
- 53350 KUZIN, A. M., ed. Osnovy radiatsionnoi biologii [Fundamentals of radiation biology]. Moskva, Nauka, 1964. 402 p. Ref. 444 K96930
Includes effects on plants and animals.

- 53351 KWACK, B. H. The effect of calcium on pollen germination. Amer. Soc. Hort. Sci. Proc. 86: 818-823. Ref. June 1965. 81 So12
- 53352 KWACK, B. H. On the action of calcium in pollen growth as influenced by interaction of the different calcium concentration, acidity and temperature. (Ko) Korean J. Bot. 8(1/2): 19-23. Mar./June 1965. 450 K84
English summary.
Pollen from *Crinum asiaticum* and *Cryptostegia grandiflora*.
- 53353 KWONG, S. S. Potassium fertilization in relation to titratable acids of sweet cherries. Amer. Soc. Hort. Sci. Proc. 86:115-119. June 1965. 81 So12
- 53354 LABUS, S. Unfamiliar leaf and fruit injuries in orchards. (Ge) Obstbauversuchsrings Alten Landes. Mitt. 20(5):174-176. May 1965. 85 J76
Possibly due to herbicides and growth substances carelessly applied in adjacent areas.
- 53355 LAHIRI, A. N., and KHARABANDA, B. C. Studies on plan-water relationships: effects of moisture deficit at various developmental stages of bulrush millet [*Pennisetum typhoidum*]. Nat. Inst. Sci. India. Proc. 31(1/2,pt.B): 14-23. Ref. Apr.1965. 513 N212
- 53356 LAMBERT, J. R. A method of determining the water potential of intact plants. Diss. Abs. 26 (3):1530-1531. Sept.1965. 241.8 M58
Response of *Phaseolus vulgaris* to soil moisture conditions.
- 53357 LAMBETH, V. N., and DAS, R. C. Growth regulator effects on tap-root ration and cation exchange capacity of snap bean and sweet corn roots. Amer. Soc. Hort. Sci. Proc. 86:357-360. Ref. June 1965. 81 So12
- 53358 LAVARENNE-ALLARY, S. Rhythmic growth of some species of oak, cultivated in controlled climatic conditions. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):358-361. Jan.17,1966. 505 P21
- 53359 LEGGETT, J. E. Calcium activation of orthophosphate absorption by barley roots. Diss. Abs. 26(3):1307. Sept.1965. 241.8 M58
- 53360 LELONG, M. G. Studies of reproduction and variation in some *Panicum* subgenus *Dicanthium*. Diss. Abs. 26(9):4993. Mar.1966. 241.8 M58
- 53361 LEPEKHINA, A. A. Developmental rhythm of some trees and shrubs in the city of Makhachkala. (Rus) Dagestanskii Universitet. Estestvennye i Fiziko-Matematicheskie Nauki. Sbornik Aspirantskikh Rabot 1964:3-22. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. 10:7. Oct.1965. Film S-203
- 53362 LHOSTE, J., and VERNIE, F. Influence of CCC on the growth of wheat grown in France. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1240-1252. Ref. Dec.8/15, 1965. 14 P215Bc
Includes discussion.
- 53363 LI, P. H., WEISER, C. J., and HUYSTEE, R. VAN. Changes in metabolites of red-osier dogwood [*Cornus stolonifera*] during cold acclimation. Amer. Soc. Hort. Sci. Proc. 86: 723-730. Ref. June 1965. 81 So12
- 53364 LIETUVOS TSR MOKSLU AKADEMIJA. BOTANIKOS INSTITUTAS. Kultūrinis augalų derlumo pakelimo fiziologiniai pagrindai [Physiological bases for an increase in the yield of cultivated plants]. Vilnius, 1964. 394 p., map. Ref. 463.3 Ak15
- 53365 LILLY, V. G., and BARNETT, H. L. The effects of some lipids on growth, carotenogenesis, and glucose utilization by *Phycomyces blakesleeanus*. W. Va. Acad. Sci. Proc. 37:62-69. Ref. 1965, pub.1966. 500 W52
- 53366 LITVIN, F. F., RIKHIREVA, G. T., and KRASNOVSKII, A. A. Low temperature spectra of leaves and the state of chlorophyll. 13 p. Ref. Transl. 15438
Translation from Biofizika 7:578-591. 1962.
- 53367 LLORENTE FRANCO, S. The evolution of chloroplastids and chlorophyll in citrus treated by foliar method. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:5-7. 1964. 56.9 C332
From Ponencias y trabajos de la II Asamblea Nacional de Farmaceuticos Titulares, 1962.
With chelated iron.
- 53368 LOOS, M. A., and LOUW, H. A. The influence of calcium carbonate amendments on the nodulation of white clover in the acid soils of George. So. Afr. J. Agr. Sci. 8(3):729-736. Ref. Sept.1965. 24 Su3
- 53369 LOTT, R. V. Relation of skin color of Golden Delicious apples to quality changes during maturation and ripening. Amer. Soc. Hort. Sci. Proc. 86:61-69. June 1965. 81 So12
- 53370 LUTTGE, U. Investigations on the physiology of the glands of carnivorous plants. IV. The kinetics of chloride secretion by the gland tissue of *Nepenthes*. (Ge) Planta 68(1):44-56. Ref. 1966. 450 P693
English summary.
- 53371 LUTZ, A. Tissue cultures of unicellular origin: yields from culture media. (Fr) Acad. Sci. Compt. Rend. 261(22):4818-4820. Nov.29, 1965. 505 P21
Nicotiana tabacum.
- 53372 MACKAY, D. B. The viability of stored seed. Agr. Merchant 45(12):49,52,54-55. Dec.1965. 10 Ag89
Great Britain.
- 53373 MACLEAN, D. C. The interacting effects of 3-indoleacetic acid, gibberellic acid and 6-benzyladenine on respiration, growth and nitrogen assimilation in excised embryos of pea (*Pisum sativum*, L.). Diss. Abs. 26(8):4195-4196. Feb.1966. 241.8 M58
- 53374 MAERTENS, C. Combined influence of physical and chemical factors of the soil on root activity and on the growth of plants. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):886-889. Feb.21,1966. 505 P21
Observed on *Phleum pratense*.
- 53375 MAGALASHVILI, T. A. Effectiveness of pelleting beet seeds under irrigation conditions in Gardabani District. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 40(3):699-704. Dec.1965. 511 Ak146
Effect on germination and development.
- 53376 MAHESHWARI, P. Test-tube fertilization of ovules. Nat. Inst. Sci. India. Proc. 31(1/2,pt.B):1-13. Ref. Apr.1965. 513 N212
Tested with *Papaveraceae* and *Solanaceae*.
Sunder Lal Hora Lecture, 1963.
- 53377 MAHESHWARI, S. C., GUPTA, G. R. P., and GUHA, S. In vitro production of buds from leaves of *Nicotiana tabacum*. Naturwissenschaften 52(22):623-624. Nov.15,1965. 474 N213
- 53378 MAJID, F. Z. Carbohydrate utilization and its relation to the production of antitumor substance in *Suillus luteus*. Diss. Abs. 26(8): 4196. Feb.1966. 241.8 M58
- 53379 MALINKIN, N. P. Effect of fertilizers on development of cotton. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:29-43. Ref. 1964. 442.9 T18
- 53380 MANACHERE, G. The subjection to a night period the fructification of *Coprinus congregatus* ex. Fr. in lighted cultures. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):482-484. Ref. Jan.24,1966. 505 P21
- 53381 MANDY, GY. Pheno-ecological study of hemp varieties. (Hu) Novevnytermeles 15(1):21-32. Mar.1966. 64.8 N76
English summary.
- 53382 MARCHANT, R., and WHITE, M. F. Spore swelling and germination in *Fusarium culmorum*. J. Gen. Microbiol. 42(2):237-244. Ref. Feb.1966. 448.3 J823

- 53383 MARGARA, J. Comparison in vitro of the development of terminal shoots preexistent before setting in culture and the evolution of newly formed shoots in the explantation of roots of *Cichorium intybus*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):870-873. Ref. Feb.21,1966. 505 P21
- 53384 MARK, A. F. Effects of management practices on narrow-leaved snow tussock, *Chionochloa rigida*. New Zeal. J. Bot 3(4):300-319. Ref. Dec.1965. 450 N48
Physiological response to burning.
- 53385 MARKAROVA, E. N., and BASLAVSKAYA, S. S. On the growth and photosynthesis of the cells of *Scenedesmus obliquus* (Turpin) Kutzinger in synchronous culture. (Rus) Bot. Zhur. [Moscow] 50(11):1568-1570. Nov.1965. 451 R923
- 53386 MART'YANOVA, A. I. Some characteristics in formation and ripening of broadbean seeds. (Rus) In Sbornik nauchnykh rabot po kormoproizvodstvu 1964:80-85. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:25. July 1965. Film S-202
- 53387 MASSOUD, F. I. Analysis of the flow of water from the water table in presence of plant roots. Diss. Abs. 26(3):1267-1268. Sept.1965. 241.8 M58
- 53388 MATHIESON, A. C. Contributions to the life history and ecology of the marine brown alga *Phaeostrophion irregulare* S. et G. on the Pacific coast of North America. Diss. Abs. 26(8):4197. Feb.1966. 241.8 M58
- 53389 MATSUDA, M. On the micrometeorological elements and E-T in each growing stage of paddy rice plant. IV. Transpiration control and yield of rice plant. 13 p. Transl. 15818
Translation from Agricultural Engineering Society of Japan. Transaction 12:25-29. July 1965.
- 53390 MCCALL, W. W. Zinc deficiency of citrus in Thailand. Kasetsart J. 5(1):1-9, map. 1965. 22.5 K153
- 53391 MCGUIRE, J. J., KITCHIN, J. T., and DAVIDSON, R. The effect of different growth retardants on the growth and flowering of *Rhododendron obtusum* Hinodegiri. Amer. Soc. Hort. Sci. Proc. 86:761-763. Ref. June 1965. 81 S012
The growth retardants are: dimethylamino succinic acid, N-, chloroethyl-trimethylammonium, (2- and dichlorobenzyl)tributyl phosphonium chloride, 2,4-.
- 53392 MCKAY, H. C. Nitrogen boosts wheat protein and wheat profits. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 26,2 p. Apr.1966. 275.29 Id13Idc
- 53393 MELKAZERAVA, A. A. Assimilation of phosphorus from phosphate rocks by buckwheat grown on acid soddy-podzolic soils. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Sel'skhaspadarchykh Navuk 4:23-28. 1964. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:20. July 1965. Film S-202
- 53394 MICHNIEWICZ, M., and KAMIENSKA, A. Flower formation induced by kinetin and vitamin E treatment in long-day plant (*Arabidopsis thaliana*) grown in short day. Naturwissenschaften 52(22):623. Nov.15,1965. 474 N213
- 53395 MILES, N. W. A study of rest period in September and Latham Red raspberry and its association with winter hardiness. Diss. Abs. 26(9):4945. Mar.1966. 241.8 M58
- 53396 MILLER, C. A. The effects of plastic mulches on the performance of sweet potatoes in the field and on the composition of the soil in terms of certain nutrient elements. Diss. Abs. 26(8):4155-4156. Feb.1966. 241.8 M58
- 53397 MILLER, R. O., and KOFRANEK, A. M. Temperature studies of lilies. Calif. Agr. 20(1):2-3. Jan.1966. 100 C12Cag
Forcing of Easter lilies.
- 53398 MINASYAN, A. I., and NALBANDYAN, A. D. Effect of azotobacterin on rooting and growth of grape cuttings. (Rus) Akad. Nauk Arm. SSR. Dokl. 41(4):251-255. 1965. 511 Er4D
- 53399 MIRONOV, O. G. Radioactive contamination of plants. (Rus) Atomn. energiya 18(6):659-661. 1965. Not in Libr.
Abstracted in Ref. Zh. Biol. 21(sect.V):25. Nov.1965. 241.7 R25
- 53400 MIRONOVA, M. P., and MUZALEVA, L. D. Effect of minor elements on some physiological processes and yields of red clover. (Rus) Akad. Nauk SSSR. Karel'skii Filial. Trudy 37: 98-102. 1964. 511 Ak194
Treatment of seeds.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:26. July 1965. Film S-202
- 53401 MIYAZAKI, S., and NAGAMATSU, T. Studies on the promotion of the early growth in vitro of orchid. I. (Ja) Saga Univ. Agr. Bull. 21:131-149. Ref. Oct.1965. 107.6 Sa13
English summary.
Dendrobium nobile.
- 53402 MOLIN, V. I. Use of ionizing rays and chemical substances in selection of initial spring wheat materials. (Rus) Vestnik Sel'skokhoz. Nauk. [Alma-Ata] 9:141-143. 1964. 20 Ak16
Treatment of seeds with gamma rays and ethylenimine.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:3-4. July 1965. Film S-202.
- 53403 MOMMERS, J. Nectar secretion of different varieties of fruit-trees. (Ge) Z. Bienenforsch. 8(6):203-204. Feb.1966. 424.8 Z3
English summary.
- 53404 MORI, S., KUMAZAWA, K., and MITSUI, S. Stimulation of release of reducing sugars from the endosperms of rice seeds by helminthosporol. Plant Cell Physiol. 6(3):571-574. Sept. 1965. 450 P699
A growth substance isolated from *Helminthosporium sativum*.
- 53405 MOSCHKOW, B. S. Possibilities of industrial plant production. (Ge) Bodenkultur 16(4):387-391. Nov.1965. 19 B635
Yields of crops under controlled environment in the phytotron with special reference to tomatoes.
- 53406 MOSIN, A. F. Some data on the role of energy processes in post-radiation cell recovery. (Rus) Radiobiologiya. Informatsionnaya Byulleten' 7:32-34. 1965.
Respiration in irradiated yeasts.
Abstracted in Ref. Zh. Biol. 19(sect.A):9. Oct.1965. 241.7 R25
- 53407 MOURAVIEFF, I. The reaction of the stomatic apparatus to the alpha-hydroxy-2-pyridine methane sulfonic acid, inhibitor of glucose oxidase. (Fr) Acad. Sci. Compt. Rend. 261(21): 4487-4489. Nov.22,1965. 505 P21
Tested on tobacco leaves.
- 53408 MULLER, K., and LEOPOLD, A. C. Correlative aging and transport of P32 in corn leaves under the influence of kinetin. Planta 68(2): 167-185. Ref. 1966. 450 P693
- 53409 MULLER, K., and LEOPOLD, A. C. The mechanism of kinetin-induced transport in corn leaves. Planta 68(2):186-205. Ref. 1966. 450 P693
- 53410 MUNTZ, K. The effect of 2,4-dinitrophenol on the darkness metabolism of cold treated cells of *Chlorella pyrenoidosa*. (Ge) Naturwissenschaften 52(23):646-647. Dec.1,1965. 474 N213
- 53411 MURATA, N., NISHIMURA, M., and TAKAMIYA, A. Fluorescence of chlorophyll in photosynthetic systems. I. Biochim. Biophys. Acta 112(2):213-222. Ref. Feb.7,1966. 381 B522
Spinach chloroplasts.
- 53412 MUZIK, T. J. Effect of temperature on the activity and persistence of amitrole and 2,4-D. Weeds Res. 5(3):207-212. Sept.1965. 79.8 W412
Tests with tomatoes.

- 53413 MYAKUSHKO, V. K. Development of the root system of the sweet cherry [*Cerasus avium* (L.) Moench] depending on the ecological conditions. (Ukr) Ukr. Bot. Zhur. 21(5):87-94. Ref. 1964. 450 J8212J
English summary.
- 53414 NAGARAJAN, M., and PANDALAI, K. M. The influence of some agricultural practices on the enzyme activity of coconut water. Cur. Sci. 34 (24):685-686. Dec.20,1965. 475 Sci23
Testing effects of various cultural methods and fertilizers.
- 53415 NAGUIB, M. I. Effect of maleic hydrazide on the carbohydrate metabolism of starved and sucrose-fed etiolated barley leaves. Indian J. Agr. Sci. 35(2):114-119. June 1965. 22 Ag83I
- 53416 NAGUIB, M. I. Effect of maleic hydrazide on the nitrogen metabolism of starved and sucrose-fed etiolated barley leaves. Indian J. Agr. Sci. 35(3):179-185. Ref. Sept.1965. 22 Ag83I
- 53417 NAIR, V. G., PONNAIYA, B. W. X., and RAMAN, V. S. Studies on seed dormancy in certain short-duration rice varieties. Indian J. Agr. Sci. 35(3):234-246. Ref. Sept.1965. 22 Ag83I
- 53418 NELSON, P. V., and BOODLEY, J. W. Development of a set of standard leaf composition values for carnation. Amer. Soc. Hort. Sci. Proc. 86:641-649. Ref. June 1965. 81 So12
Effects of nutrient solutions and various fertilizers.
- 53419 NEUBAUER, B. F. Embryogeny and vegetative developmental anatomy of *Polygonum pensylvanicum* L. Diss. Abs. 26(9):4995. Mar.1966. 241.8 M58
- 53420 NEUBAUER, H. F. Observations on compass plants in the Tropics. (Ge) Deut. Bot. Ges. Ber. 78(7):263-268. Ref. 1965. 451 D48
Porophyllum ruderales, Erigeron sumatrensis, and Pluchea indica.
- 53421 NEUBER, E., KLEINKAUF, H., and BOGEN, H. J. Accumulation of water-soluble peptides in baker's yeast under nitrogen starvation. (Ge) Planta 67(1):1-5. 1965. 450 P693
English summary.
- 53422 NEW, E. H. Influence of time of pollination on seed set in certain Zantedeschia. Amer. Soc. Hort. Sci. Proc. 86:708-711. June 1965. 81 So12
- 53423 NIKITSINA, M. S. Effects of nitrogen fertilizers on protein and crude protein contents in potato bulbs. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Sel'skhauspacharykh Navuk 4:40-44. 1964. 20 M66
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:21. July 1965. Film S-202
- 53424 NOGGLE, J. C. Influence of ammonium on the accumulation of potassium by barley seedlings. Diss. Abs. 26(3):1268-1269. Sept.1965. 241.8 M58
- 53425 NOODEN, L. D., and THIMANN, K. V. Action of inhibitors of RNA and protein synthesis on cell enlargement. Plant Physiol. 41(1):157-164. Ref. Jan.1966. 450 P692
In oats, artichokes, and peas.
- 53426 NOSBERGER, J. Influence of weather on plant yields. (Ge) Gruen 93(45):1620-1625. Nov. 5, 1965. 17 Sch9
- 53427 OBA, K., and MURAI, M. Studies on radiosensitivity of forest trees. II. Growth and somatic mutations of Alnus, Populus and Betula species under chronic gamma irradiation in a gamma field. (Ja) Jap. Forest. Soc. J. 48(1):12-19. Ref. Jan.1966. 99.8 N62
English summary.
- 53428 OGURA, Y., KUME, H., and OTSUKA, T. On the growth and the numbers of total leaves of tobacco in sandy fields. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:33-38. 1965. 385 J273
English summary.
- 53429 OGURA, Y., KUME, H., and OTSUKA, T. Particle size and water tension in sand and the growth of tobacco seedling. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:25-31. Ref. 1965. 385 J273
English summary.
- 53430 ONKEN, A. B. Investigations concerning proposed cation uptake mechanisms in plants. Diss. Abs. 26(3):1269. Sept.1965. 241.8 M58
- 53431 O'ROURKE, F. L. S., and DEDOLPH, R. R. Comparative efficacy of two rooting compounds and different media for root induction with greenwood cuttings of seven species. Amer. Soc. Hort. Sci. Proc. 86:815-817. June 1965. 81 So12
Thianaphtheneacetic acid, 4-, naphthaleneacetic acid and potting mixtures; ornamental shrubs.
- 53432 ORTUNO MARTINEZ, A., and COSTA YAGUE, F. The influence of manganese on the development of fungi isolated from soils in which were cultivated citrus with symptoms of deficiencies. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961/62:67-70. 1964. 56.9 C332
Aspergillus versicolor.
From Acta Salmaticensia, Ciencias.
- 53433 OSMAN, A. E. Development of volatile flavor components in apples. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(6):333-337. 1966. 384 Z39
During growth.
- 53434 OZBUN, J. L., VOLK, R. J., and JACKSON, W. A. Effects of potassium deficiency on photosynthesis, respiration and the utilization of photosynthetic reductant by mature bean leaves. Crop Sci. 5(6):497-500. Nov./Dec.1965. 64.8 C883
- 53435 OZEKI, K., and SHIOZAWA, Y. Translocation and accumulation of photosynthetic assimilates in tobacco. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:57-68. 1965. 385 J273
English summary.
- 53436 PABSCH, P. Relation between copper effect, growth substance use, and white spike. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 137:31-32. Feb.15,1966. 281.8 B462
In barley.
- 53437 PADMANABAN, G., and SARMA, P. S. Cobalt toxicity and iron metabolism in Neurospora crassa. Biochem. J. 98(1):330-334. Ref. Jan. 1966. 382 B52
- 53438 PARDEE, W. D. You can reduce corn lodging. Hoard's Dairyman 111(8):505,533. Apr.25, 1966. 44.8 H65
Use of chemicals.
- 53439 PASCALE, A. J. Application of climatological data to agricultural practices. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:63-67. Oct.1965. 9 Id3
Effects on plants.
- 53440 PASTENA, B. Contribution to the study of grapevine flowering. (It) Colt. G. Vinicolo Ital. 111(10):318-326. Oct.1965. 16 C72
- 53441 PATNAIK, S., and BHADRACHALAM, A. Effect of increased concentrations of iron and manganese in the growth medium on grain yield and composition of indica rice. Indian J. Exp. Biol. 3(3):199-201. July 1965. 442.8 In2
- 53442 PEARCE, R. B., BROWN, R. H., and BLASER, R. E. Relationships between leaf area index, light interception and net photosynthesis in orchardgrass [Dactylis glomerata]. Crop Sci. 5(6):553-556. Ref. Nov./Dec.1965. 64.8 C883
- 53443 PENNY, E. D. An analysis of growth promotion by lipids in pea stem sections. Diss. Abs. 26(8):4198. Feb.1966. 241.8 M58
- 53444 PENNY, P., and GALSTON, A. W. The kinetics of inhibition of auxin-induced growth in green pea stem segments by actinomycin D and other substances. Amer. J. Bot. 53(1):1-7. Ref. Jan.1966. 450 Am36

- 53445 PENOT, M. Study of oriented migration of ^{14}C in the inner bark of *Tradescantia viridis*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):874-877. Feb.21,1966. 505 P21
- 53446 PERIGAUD, S. Effects of mechanical resistance and oxygen deficit on root development. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1209-1220. Ref. Dec.8/15,1965. 14 P215Bc
- 53447 PERNER, E., FALCK, S. VON, and JACOBI, G. The effect of X-rays on the Hill reaction and photosynthetic phosphorylation of isolated and fragmented chloroplasts in different states. (Ge) Z. Naturforsch. 20b(11):1077-1085. Ref. Nov.1965. 474 Z3
English summary.
Spinach.
- 53448 PERRIN, A. Guttation modalities of the coeloptilum of young germination of barley. (Fr) Acad. Sci. Compt. Rend. 261(19):3861-3863. Nov.8,1965. 505 P21
- 53449 PESSI, Y. Some features in the Finnish climate affecting cereal harvesting. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):98-103. 1965. 20 Su7M
Effects of humidity and temperature on moisture content and sprouting of grain.
- 53450 PFAHLER, P. L. In vitro germination of rye (*Secale cereale* L.) pollen. Crop Sci. 5(6): 597-598. Nov./Dec.1965. 64.8 C883
- 53451 PHUNG-NHU-HUNG, S. Effect of 3-amino-1,2,4-triazole on the oxidative phosphorylation of isolated mitochondria from the hypocotyls of *Cucumis sativus* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):860-863. Feb.21,1966. 505 P21
- 53452 PIENIAZEK, J., and JANKIEWICZ, L. S. Acropetal and basipetal transmission of 6-benzylaminopurine effect in dormant apple seedlings. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(10):607-609. 1965. 512 W262
Growth stimulation.
- 53453 PILET, P. E., and FRAGATA, M. Apropos of the extraction and absorption of tryptophan in the roots of carrots grown in vitro. (Fr) Acad. Sci. Compt. Rend. 261(2):513-516. Ref. July 12,1965. 505 P21
- 53454 PILLAY, D. T. N., BRASE, K. D., and EDGERTON, L. J. Effects of pre-treatments, temperature and duration of after-ripening on germination of mazzard and mahaleb cherry seeds. Amer. Soc. Hort. Sci. Proc. 86:102-107. June 1965. 81 So12
Pre-treatments with sulfuric acid.
- 53455 PILLAY, D. T. N., BRASE, K. D., and EDGERTON, L. J. Relationship of growth substances to rest period and germination in mazzard cherry seeds. Amer. Soc. Hort. Sci. Proc. 86: 108-114. Ref. June 1965. 81 So12
- 53456 PINKAS, L. L. H. Influence of genotype on rate of strontium absorption by barley. Diss. Abs. 26(8):4156-4157. Feb.1966. 241.8 M58
Radioactive.
- 53457 PLACE, G. A., and ADAMS, D. Chlorosis in rice. Ark. Farm Res. 15(1):9. Jan./Feb.1966. 100 Ar42F
- 53458 PLUMMER, G. L., CROSSLEY, D. A., and GARDINER, D. A. Growth response of two sedges inhabiting a radioactive waste disposal area. Ecology 46(3):346-348. Ref. Spring 1965. 410 Ec7
Carex franki and *C. vulpinoidea*.
- 53459 POFF, K. L. The influence of the number of asexual spores in the inoculum on zygospore formation by *Syzygites megalocarpus*. W. Va. Acad. Sci. Proc. 37:9-12. 1965, pub.1966. 500 W52
- 53460 POKORNY, F. A., and KAMP, J. R. Influence of photoperiod on the rooting response of cuttings of carnation. Amer. Soc. Hort. Sci. Proc. 86:626-630. Ref. June 1965. 81 So12
- 53461 PONOMAREV, A. N. Some adaptation to anemophily in Gramineae. (Rus) Bot. Zhur. [Moscow] 51(1):28-39. Ref. Jan.1966. 451 R923
English summary.
- 53462 POPOVA, A. I. Resistance to heat of protoplasm in corn leaves depending on planting date. (Rus) Akad. Nauk Tadzhikskoi SSR. Otd. Biol. Nauk. Izv. 3(17):37-41. 1964. 20 Ak132
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:17. July 1965. Film S-202
- 53463 PORATH, E., and POLJAKOFF-MAYBER, A. Effect of salinity on metabolic pathways in pea root tips. Israel J. Bot. 13(2/4):115-121. Ref. Mar.1965. 450 Is7
- 53464 POTGIETER, H. J., and ALEXANDER, M. Susceptibility and resistance of several fungi to microbial lysis. J. Bacteriol. 91(4):1526-1532. Ref. Apr.1966. 448.3 J82
Laboratory test; includes plant pathogenic fungi.
- 53465 POUGET, R. New aspect of lifting dormancy of buds of grapes. (Fr) Acad. Sci. Compt. Rend. 261(19):3868-3871. Nov.8,1965. 505 P21
- 53466 POWELL, C. K. The motion of algae in turbulent flow. Diss. Abs. 26(3):1569. Sept.1965. 241.8 M58
Closed system culture.
- 53467 PRICE, K. R. Uptake of iodine-131 from the soil as related to root distribution and phenology in sagebrush [*Artemisia tridentata* tridentata] vegetation. Diss. Abs. 26(9):4995-4996. Mar.1966. 241.8 M58
- 53468 PROKOF'EV, A. A., KARIMOV, KH. KH., and CHERNER, R. I. The photosynthesis of plants growing during the winter. (Rus) Akad. Nauk Tadzhiksokoi SSR. Dok. 8(1):34-37. 1965. 511 Ak193D
Use of C^{14} in plant physiology; *Pea bulbosa* and *Isatis*.
Abstracted in Ref. Zh. Biol. 19(sect.G):3. Oct.1965. 241.7 R25
- 53469 PROTSENKO, D. F., and others. Application of minor elements to increase stability of field crops. (Rus) In Kief. Institut Fiziologii Rastenii. Mikroelementy v shizni rastenii, zhivotnykh i cheloveka 1964:79-83. 386.2 K542
P. S. Mishustina, O. I. Kolosova, I. G. Shmat'ko, and E. D. Ostapyuk, joint authors.
Treatment of seeds for better yields and quality.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:12. July 1965. Film S-202
- 53470 PROTSKO, P. F., and DUDCHENKO, L. G. Dynamics of ascorbic acid and glutathione in etiolated pea shoots. (Ukr) Ukr. Bot. Zhur. 21(5):33-38. Ref. 1964. 450 J8212J
English summary.
- 53471 PUENTE, F. Some effects of soil temperature and phosphorus and calcium levels on cotton seedling growth. Diss. Abs. 26(8):4157. Feb.1966. 241.8 M58
- 53472 PUKAL'SKII, A. V., and MAKSIMOV, I. L. Effect of continuous gamma ray radiation on development of spontaneous hybrids in winter wheat. (Rus) Vsesoyuznyi Nauchno Issledovatel'skii Institut Rastenievodstva. Moskovskoe Otdelenie. Trudy 1:123-134. 1964.
Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:4. July 1965. Film S-202
- 53473 RABIE, C. J. Toxic metabolites produced by *Aspergillus flavus* and *Aspergillus giganteus*. I. Diss. Abs. 26(9):4953. Mar.1966. 241.8 M58
- 53474 RADZEVENCHUK, I. F. Effects of spraying with amyphenol on chemical composition of potato bulbs of Veselovskii and Falevskii varieties. (Rus) Leningr. Sel'skokhoz. Inst. Zap. 100:161-166. 1965. 106 L543
Abstracted in Ref. Zh. Biol. 21(sect.G):11. Nov.1965. 241.7 R25

- 53475 RASCHKE, K. The responses of the CO₂ control system in the stomata of *Zea mays* to white light. (Ge) *Planta* 68(2):111-140. Ref. 1966. 450 P693
English summary.
- 53476 RASCHKE, K. Suitability and construction of recording porometers for studies in stomatal physiology. (Ge) *Planta* 67(3):225-241. Ref. 1965. 450 P693
English summary.
- 53477 RASKAUSKAS, V. Some biological and ornamental peculiarities of *Spiraea*. (Li) *Lietuvos TSR Aukstuju Mokyklų Mokslo Darbai. Biologija* 5:139-158. Ref. 1965. (Not in NAL)
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 56, *Lesoved. Lesovod.* 11:11. Nov.1965. Film S-203
- 53478 RASSMUSSEN, H. P. Chemical and physiological changes associated with abscission layer formation in the bean (*Phaseolus vulgaris* L. cv. *Contender*). *Diss. Abs.* 26(8):4198. Feb. 1966. 241.8 M58
- 53479 RED'KO, G. I., and RED'KO, G. F. Dynamics of accretion in height in poplars during the vegetative period. (Ukr) *Ukr. Bot. Zhur.* 21(6):25-31. 1964. 450 J8212J
English summary.
- 53480 REID, W. S. The effect of several factors on the response of barley (*Hordeum vulgare* L.) to excess soil manganese in an acid terrace soil. *Diss. Abs.* 26(9):4947. Mar.1966. 241.8 M58
- 53481 REJOWSKI, A. Effect of gibberellic acid on the vernalization process of winter wheat seeds. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(6):369-372. Ref. 1965. 512 W262
- 53482 RENNIX, M. T., and others. Increase in flower number and decrease in regrowth of azaleas induced by foliar applications of the retardants B-NINE and Cycocel. *W. Va. Acad. Sci. Proc.* 37:109-115. 1965, pub.1966. 500 W52
C. Y. Hu, A. P. Dye, and O. M. Neal, joint authors.
- 53483 REVSIN, B. K. An extra-mitochondrial electron transport system and morphogenesis in the slime mold, *Physarum polycephalum*. *Diss. Abs.* 26(8):4187-4188. Feb.1966. 241.8 M58
- 53484 REWARI, R. B., SEN, A. N., and SEN, A. Nitrogen fixation by cluster bean (*Cyanopsis tetragonoloba* (L.) Taub.) in relation to phosphate uptake from soil. *Indian J. Agr. Sci.* 35(2):162-167. June 1965. 22 Ag831
- 53485 RIMET, M. The influence of pharmacodynamic substances on the photokinesis of *Daphnia pulex* de Geer. (Fr) *Soc. Zool. France. Bull.* 90(1):143-154. Ref. Oct.20,1965. 410.9 P214B
- 53486 RITENOUR, G. L. Effects of light, nitrogen nutrition and temperature on nitrate reductase activity in barley seedlings. *Diss. Abs.* 26(3):1328. Sept.1965. 241.8 M58
- 53487 ROGERS, B. L., THOMPSON, A. H., and SCOTT, L. E. Internal bark necrosis (measles) on Delicious apple tree under field conditions. *Amer. Soc. Hort. Sci. Proc.* 86:46-54. June 1965. 81 So12
Physiological disease, of no certain cause.
- 53488 ROLLIN, P. Interpretation of the different types of action of far-red light on the morphogenesis of plants. *Israel J. Bot.* 13(2/4):193-198. Ref. Mar.1965. 450 Is7
Includes effect of red light; chromoproteins.
- 53489 ROSS, E. W. Etiological and developmental studies on a dieback disease of *Fraxinus americana* L. *Diss. Abs.* 26(8):4163-4164. Feb. 1966. 241.8 M58
Possibly caused by low rainfall and secondary invasion by fungi.
- 53490 ROSS, M. A. Herbicides and intermediary metabolism. *Diss. Abs.* 26(9):4996-4997. Mar. 1966. 241.8 M58
In beans.
- 53491 ROSSITER, R. C., and BECK, A. B. Physiological and ecological studies on the oestrogenic isoflavones in subterranean clover (*T. subterraneum* L.). I. Effects of temperature. *Australian J. Agr. Res.* 17(1):29-37. Ref. Jan.1966. 23 Au783
- 53492 RUBIN, B. A. The problem of energy metabolism in a green plant. 24 p. (JPRS 25,079; OTS 64-31479; CSO 9205-N) *Transl.* 14240
Translation from *Agrobiologiya* 6(144):903-919. Dec.1963.
CFSTI: \$0.75.
- 53493 RUMBERG, B., and others. Analysis of photosynthesis with flash bulb. III-IV. (Ge) *Z. Naturforsch.* 20b(11):1086-1116. Ref. Nov. 1965. 474 Z3
P. Schmidt-Mende, B. Skerra, J. Vater, J. Weikard, H. T. Witt, and U. Siggel, joint authors.
English summary.
Chlorella and spinach.
- 53494 RUTLAND, R. B. Some aspects of the effects of high concentrations of calcium carbonate and various orthophosphates on the absorption, translocation, and utilization of iron by *Chrysanthemum morifolium*. *Diss. Abs.* 26(8):4157-4158. Feb.1966. 241.8 M58
- 53495 SADIK, M. K. Mechanism of iron chlorosis in grain sorghum. *Diss. Abs.* 26(3):1276. Sept. 1965. 241.8 M58
- 53496 SAFTA, I. The interpretation of some experimental results concerning the maize yields as affected by the climatic factors. (Rum) *Probl. Agr. [Bucharest]* 17(10):25-32. Oct.1965. 21 R862
English summary.
Rumania.
- 53497 SAITO, T. Studies on the influence of air temperature on the growth of direct sown paddy rice plant in cool regions of Japan. (Ja) *Tohoku Nat. Agr. Exp. Sta. Bull.* 32:1-26. Ref. Mar.1965. 107.6 M822
English summary.
- 53498 SAITO, Y., and YAMAMOTO, S. The relative influence of differential supplies of nitrogen and kinds of growth-regulator on Citrus plant seedlings in sand culture. II. *Citrus junos* Tanaka. (Ja) *Miyazaki. Univ. Fac. Agr. Bull.* 10(2):234-244. Mar.1965. 22.5 M6932B
English summary.
- 53499 SAKAI, A. Temperature fluctuations in wintering trees. II. (Ja) *Jap. Forest. Soc. J.* 47(12):444-447. Dec.1965. 99.8 N62
English summary.
- 53500 SALAGEANU, N. Studies with C14 on the mechanism of photosynthesis. 16 p. (JPRS 18,638; OTS 63-21555) *Transl.* 15327
Translation from *Natura. Seria Biologie* 14(4):3-13. July/Aug.1962.
CFSTI: \$.50.
- 53501 SALAZAR, C. G. Comparative anatomy of citrus in relation to cold hardiness. *Diss. Abs.* 26(3):1269-1270. Sept.1965. 241.8 M58
- 53502 SALO, M. L. The composition of pasture grasses at the university farm Viik. *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 37(2):135-147. Ref. 1965. 20 Su7M
At different growth stages.
- 53503 SAMYGIN, G. A., VARLAMOV, V. N., and TSENOV, A. S. Hardiness of germinated wheat seeds depending on different conditions and varieties. (Rus) In *Akademiya Nauk SSSR. Institut Fiziologii Rastenii im. K. A. Timiryazeva. Biologicheskie osnovy povsheniya kachestva semyan Sel'skokhozyaystvennykh Rastenii* 1964: 26-30. 61.9 Ak1
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 14:14-15. July 1965. Film S-202
- 53504 SANDERSON, K. C. The influence of temperature and photoperiod on the growth and quality of a winter (cv. *Wintergreen*) and summer (cv. *Florida*) variety of snapdragon, *Antirrhinum majus*, L. *Diss. Abs.* 26(3):1270. Sept.1965. 241.8 M58

- 53505 SANDVED, G. Regulation of flowering of *Freesia*. (No) Gartneryrket 56(13):283-284. Mar.25,1966. 80 G1938
Temperature regulation.
- 53506 SATO, S. Effect of long-day treatment on the growth of *Abies sachalinensis* and *Picea glehnii* seedlings in greenhouse. (Ja) Jap. Forest. Soc. J. 47(12):426-433. Ref. Dec.1965. 99.8 N62
English summary.
- 53507 SCHAEVERBEKE, J. Increase of saccharase activity in the staminal fibers of *Zea mays* L. at the moment of blooming: probable intervention of gibberellic acid in the synthesis of a saccharase. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):277-280. Ref. Jan.10,1966. 505 P21
- 53508 SCHANDERL, S. H., and LYNN, D. Y. C. Changes in chlorophylls and spectrally related pigments during ripening of *Capsicum frutescens*. J. Food Sci. 31(2):141-145. Mar./Apr. 1966. 389.8 F7322
- 53509 SCHERTZ, C. E., and BROWN, G. K. Determination of fruit-bearing zones in citrus. Amer. Soc. Agr. Eng. Pap. 129,11 p. 1965. 290.9 Am32P
- 53510 SCHIEL, E. Symbiotic and non-specific associated microbes in cultivated plants. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:24-34. Oct.1965. 9 Id3
- 53511 SCHLOSSER, E., and GOTTLIEB, D. Sterols and the sensitivity of *Pythium* species to filipin. J. Bacteriol. 91(3):1080-1084. Ref. Mar.1966. 448.3 J82
Antibiotic.
- 53512 SCHNEIDER, B. A hit statistical model for the third approximation. (Ge) Z. Acker-Pflanzenbau 123(1):1-10. Ref. Dec.1965. 18 J825
English summary.
Plant physiology.
- 53513 SCHUBERT, O. E., and SCOTT, E. G. The use of polyethylene bags in determining the effect of herbicides on germination of seeds and early growth of seedlings. W. Va. Acad. Sci. Proc. 37:83-91. 1965, pub.1966. 500 W52
Wheat and tomato.
- 53514 SCHWAB, G. O., and others. Crop response from tile and surface drainage. Amer. Soc. Agr. Eng. Pap. 217,13 p. Ref. 1965. 290.9 Am32P
G. S. Taylor, J. L. Fouss, and E. Stibbe, joint authors.
Corn.
- 53515 SCHWARTZ, M. N-tetramethyl-p-phenylenediamine as a catalyst of photophosphorylation. Biochim. Biophys. Acta 112(2):204-212. Ref. Feb.7,1966. 381 B522
Spinach chloroplasts.
- 53516 SCIUCHETTI, L. A., and MINGIS, N. C. The effect of dimethylsulfoxide (DMSO) and tributyl 2,4-dichlorobenzylphosphonium chloride (phosphon) on growth and alkaloid synthesis in *Datura ferox*. Lloydia 28(3):230-236. Sept.1965. 442.8 L77
- 53517 SCURFIELD, G., and BIDDISCOMBE, E. F. Variation in *Phalaris tuberosa* L. Australian J. Agr. Res. 17(1):17-28, map. Jan.1966. 23 Au783
Physiology.
- 53518 SEELEY, J. G., and STEINER, J. R. Soil temperature and the growth of greenhouse carnations [*Dianthus caryophyllus*]. Amer. Soc. Hort. Sci. Proc. 86:631-640. Ref. June 1965. 81 So12
- 53519 SEELEY, J. G. Soil temperature and the growth of greenhouse snapdragons [*Antirrhinum majus*]. Amer. Soc. Hort. Sci. Proc. 86:693-694. June 1965. 81 So12
- 53520 SELLS, G. D. CO₂:O₂ ratios in relation to weed seed germination. Diss. Abs. 26(9):4997. Mar.1966. 241.8 M58
- 53521 SEMENIUK, P., and STEWART, R. N. The effect of time of changes in levels of nitrogen, phosphorus and potassium on seed production and germination of *Matthiola incana*. Amer. Soc. Hort. Sci. Proc. 86:695-700. June 1965. 81 So12
- 53522 SEMENOV, P. YA. Study of recurrent corn nutrition with nitrogen and potassium. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:231-237. 1964. 20 M857
- 53523 SEN, B. Vivekananda Laboratory, Almora. Bharat Krishak Samaj. Year Book 1964:565-569. 22 B46
For research in plant physiology.
- 53524 SHAIKOROV, YU. I., and others. Study of the relation between chemical composition of Naphthoquinone and Thiazole derivatives and their physiological effects on corn. (Rus) Agrokhimiya 7:113-122. July 1964. 385 Ag89
M. V. Rubtsov, F. S. Khanenya, and I. S. Skukina, joint authors.
- 53525 SHAITAN, I. M., and KLEEVA, R. F. Viability of pollen in some fruit cultures. (Rus) Moscov. Glav. Bot. Sad. B. 55:38-41. 1964. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:34-35. July 1965. Film S-202
- 53526 SHAKHBAZOV, V. G., and POPEL', A. T. Resistance of vegetable hybrid seeds to heat and the methods of its determination. (Rus) In Akademiya Nauk SSSR. Institut Fiziologii Rastenii im. K. A. Timiryazeva. Biologicheskie osnovy povysheniya kachestva semyan sel'skokhozyaistvennykh rastenii 1964:26-30. 61.9 Ak1
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:12. July 1965. Film S-202
- 53527 EL-SHARKAWY, M., and HESKETH, J. Photosynthesis among species in relation to characteristics of leaf anatomy and CO₂ diffusion resistances. Crop Sci. 5(6):517-521. Ref. Nov./Dec.1965. 64.8 C883
- 53528 SHATILOV, I. S. Nutritional consumption of mineral elements by broadbeans. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:293-298. 1964. 20 M857
Proper application of fertilizers.
- 53529 SHIBLES, R. M., and WEBER, C. R. Leaf area, solar radiation interception and dry matter production by soybeans. Crop Sci. 5(6):575-577. Ref. Nov./Dec.1965. 64.8 C883
- 53530 EL-SHISHINY, E. D. H., and NOSSEIR, M. A. Studies on the effects of some dicarboxylic acids on the uptake and utilization of inorganic nitrogen. I. Effects of some dicarboxylic acids on the uptake and utilization of ammonium-N by carrot root disks. J. Bot. United Arab Repub. 6:1-16. Ref. 1963, pub.1965. 450 Eg9
- 53531 EL-SHISHINY, E. D. H., and NOSSEIR, M. A. Studies on the effects of some dicarboxylic acids on the uptake and utilization of inorganic nitrogen. II. Effects of some dicarboxylic acids on the uptake and utilization of ammonium-and nitrate-nitrogen by sweet potato tuber disks. J. Bot. United Arab Repub. 6:17-26. Ref. 1963, pub.1965. 450 Eg9
- 53532 SHMATKO, I. G., and OSTAPLYUK, E. D. Physiological characteristics of frost-resistant and drought hardy varieties of winter wheat. (Ukr) Ukr. Bot. Zhur. 21(5):28-32. Ref. 1964. 450 J8212J
English summary.
- 53533 SHOKRAI, E. H. The effect of high temperature on the free amino acids of common pea (*Pisum sativum* L.). Diss. Abs. 26(3):1309. Sept.1965. 241.8 M58
- 53534 SHOMER-ILAN, A. Influence of heat and dehydration on germination of pines. Israel J. Bot. 13(2/4):93-100. Ref. Mar.1965. 450 Is7
Pinus halepensis and *P. brutia*.
- 53535 SHUEL, R. W. Some questions on nectar secretion. (Ge) Z. Bienenforsch. 8(6):205-209. Ref. Feb.1966. 424.8 Z3
English summary.

- 53536 SHUL'KINA, T. V. Repeated flowering and secondary growth in several perennial plants. (Rus) Moscow, Glav. Bot. Sad. B. 56:95-99 1964. 451 M854
In botanic garden collection.
Abstracted Ref. Zh. Biol. 19(sect V):19 Oct.1965. 241 7 R25
- 53537 SIMPSON, J. R. The transference of nitrogen from pasture legumes to an associated grass under several systems of management in pot culture. Australian J. Agr. Res. 16(6):915-926. Ref. Nov.1965. 23 Au783
- 53538 SIMPSON, K. The significance of effects of soil moisture and temperature on phosphorus uptake. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:19-29. Ref. 1965. 10 G79T
- 53539 SINGH, J. Studies on the influence of various kinds of sugar and redox catalysts on electrochemically measured yeast respiration. (Ge) Z. Zuckerindus. 15(11):635-643. Ref. Nov.20, 1965. 65.8 D48
English summary.
- 53540 SINGH, R. Effects of soil moisture stress at different periods of growth of some vegetable crops. Diss. Abs. 26(9):4947-4948. Mar.1966. 241.8 M58
- 53541 SINGH, R., and ARORA, K. S. Some factors affecting fruit drop in mango (*Mangifera indica* L.). Indian J. Agr. Sci. 35(3):196-205. Ref. Sept.1965. 22 Ag83I
- 53542 SINGH, S., CHUGH, D. V., and SINGH, K. K. Seasonal and interaction effects in marcotting of litchi (*Litchi chinensis* Sonn.) with some plant regulators. Indian J. Agr. Sci. 35(2):101-113. Ref. June 1965. 22 Ag83I
- 53543 SKOPIK, P. Further tests with the morphological regulator CCC. (Cz) Za Vysokou Urodu 14(1):12-13. Jan.12,1966. 64.8 Z12
Wheat lodging inhibitor.
- 53544 SMITH, D. The unusual growth responses of birdsfoot trefoil. Crops Soils 18(7):12. Apr./May 1966. 6 W55
Physiology, showing morphological responses to photoperiod, pruning and other cultural practices.
- 53545 SMITH, J. E., and SHENNAN, J. L. The effect of substituted phenoxyacetic and phenoxybutyric acids on the growth and respiration of *Aspergillus niger*. J. Gen. Microbiol. 42(2):293-300. Ref. Feb.1966. 448.3 J823
- 53546 SOBAJIMA, Y., ISHIDA, M., and IKE, M. Physiological and ecological studies of Japanese persimmon trees. II. Effects of soil property, soil reaction and soil moisture on the growth of young trees. (Ja) Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:27-34. Ref. Sept.1965. 22.5 K993
English summary.
Kaki persimmons.
- 53547 SOURNIA, A. Phytoplankton and primary productivity in the Bay of Nossi-Bé, Madagascar. (Fr) Acad. Sci. Compt. Rend. 261(11):2245-2248. Sept.13,1965. 505 P21
Chiefly physiological aspects.
- 53548 SOÜTY, M., ANDRE, P., and BREUILS, L. The non-volatile organic acid content of sweet peppers. (Fr) Ann. Technol. Agr. 14(4):357-364. 1965. 14 F8499An
English summary.
During plant growth.
- 53549 SPANJERSBERG, G. Effect of X-rays on the growth of tissue cells of Jerusalem artichoke cultivated in vitro. (Fr) Acad. Sci. Compt. Rend. 261(22):4821-4824. Nov.29,1965. 505 P21
- 53550 SPARKS, D. Factors associated with variation of soluble solids in the fruit of the Concord grape, *Vitis labrusca* L. Diss. Abs. 26(8):4158. Feb.1966. 241.8 M58
Plant physiology.
- 53551 SPENCER, M. Fruit ripening. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.793-825. Ref. 1965. QK861.B6
Physiological and chemical aspects.
- 53552 STERMER, R. A., and HARTSTACK, A. W. Development of an alternating cycle seed germinator with thermistor-controlled temperature. Amer. Soc. Agr. Eng. Pap. 337,6 p. 1965. 290.9 Am32P
- 53553 STOLTZ, L. P. Physiological study of the effect of girdling on rooting. Diss. Abs. 26(3):1739-1740. Sept.1965. 241.8 M58
Hibiscus rosa-sinensis.
- 53554 STONER, A. K., and JOHNSON, K. W. Overcoming autosterility of autotetraploid watermelons. Amer. Soc. Hort. Sci. Proc. 86:621-625. June 1965. 81 So12
With treatments of naphthaleneacetamide and gibberellic acid.
- 53555 STORCHSCHNABEL, G. The influence of the water supply time on root and yield formation in grain corn. (Ge) Bodenkultur 16(4):314-320. Nov.1965. 19 B635
English summary.
- 53556 SUD'YINA, E. G., and others. Changes in the biosynthesis and state of chlorophyll with insufficiency of some elements. (Ukr) Ukr. Bot. Zhur. 21(4):3-10. Ref. 1964. 450 J8212J
M. G. Golod, E. F. Dovbysh, and R. N. Fomishyna, joint authors.
English summary.
Wheat and barley.
- 53557 SUGIYAMA, T., and GOTO, Y. Physiological role of potassium in the carbohydrate metabolism of plants. 1. Effects of potassium on soluble sugar content in sugar beet seedlings. (Ja) J. Sci. Soil Manure 36(10):317-320. Ref. Oct.1965. 56.8 J27
- 53558 SUNDARAM, A. A preliminary investigation of the penetration and translocation of 2,4,5-T in some tropical trees. Weeds Res. 5(3):213-225. Ref. Sept.1965. 79.8 W412
Radioactive carbon used as tracer.
- 53559 SUTTON, C. D., GUNARY, D., and LARSEN, S. Pyrophosphate as a source of phosphorus for plants. II. Hydrolysis and initial uptake by a barley crop. Soil Sci. 101(3):199-204. Mar. 1966. 56.8 So3
- 53560 SVESHNIKOVA, V. M. Basic characteristics of the water regime of plants grown on desert areas of Pamir. (Rus) Probl. Botaniki 7:192-204. 1965. 451.1 V962
Abstracted in Ref. Zh. Biol. 21(sect.G):6. Nov.1965. 241.7 R25
- 53561 SWITZER, G. L., NELSON, L. E., and SMITH, W. H. The characterization of dry matter and nitrogen accumulation by loblolly pine (*Pinus taeda* L.). Soil Sci. Soc. Amer. Proc. 30(1):114-119. Ref. Jan./Feb.1966. 56.9 So3
- 53562 SZABOLCS, MRS. O. V. The use of the triphenyl tetrazolium chloride viability test in agricultural practice. (Hu) Novenytermeles 15(1):77-86. Mar.1966. 64.8 N76
English summary.
Testing overwintering viability of plants.
- 53563 TABLER, R. D. Soil moisture response to spraying big sagebrush (*Artemisia tridentata* Nutt.) with 2,4-D. Diss. Abs. 26(9):4935. Mar. 1966. 241.8 M58
Water consumption of the plant.
- 53564 TAHA, E. E. M., and KAMEL, M. Y. Physiological and biochemical studies on Egyptian fresh water algae. VIII. The influence of culture conditions on exponential and linear growth rates of *Chlorella vulgaris*. J. Bot. United Arab Repub. 5:13-31. Ref. 1962, pub. 1965. 450 Eg9
- 53565 TAYAMA, H. K., and MILLER, R. O. Relationship of plant age and net assimilation rate to optimum growing temperature of the snapdragon. Amer. Soc. Hort. Sci. Proc. 86:672-680. Ref. June 1965. 81 So12
- 53566 TERMAN, G. L., ALLEN, S. E., and BRADFORD, B. N. Response of corn to zinc as affected by nitrogen and phosphorus fertilizers. Soil Sci. Soc. Amer. Proc. 30(1):119-124. Ref. Jan./Feb.1966. 56.9 So3

- 53567 TERPO, A. The process of development of biennial vegetables. I. (Hu) Elovilag 10(2): 84-92. 1965. 410 EL6
- 53568 TEWS, L. L. A study of acenaphthene tolerance in the fungi. Diss. Abs. 26(9):4997-4998. Mar. 1966. 241.8 M58
- 53569 THOMPSON, A. E., and others. Characterization of crimson tomato fruit color. Amer. Soc. Hort. Sci. Proc. 86:610-616. Ref. June 1965. 81 So12
M. L. Tomes, E. V. Wann, J. P. McCollum, and A. K. Stoner, joint authors.
- 53570 THURLOW, D. L. Interaction of rate and method of fertilizer application and soil phosphorus with yield and chemical composition of sugar beets. Diss. Abs. 26(8):4159. Feb. 1966. 241.8 M58
- 53571 TIMM, H., and SCHWEERS, V. H. Effect of temperature and seed treatment on respiration, sprouting and decay of seed potatoes. Amer. Soc. Hort. Sci. Proc. 86:502-510. Ref. June 1965. 81 So12
Gibberellic acid used for seed treatment.
- 53572 TITLYANOVA, A. A. The effect of cesium concentration on its accumulation in plants. 4 p. (JPRS 22,656; OTS 64-21238; CSO 10148-D) Transl. 14265
Pea and wheat.
Translation from Akademiya Nauk SSSR. Doklady 152(2):441-442. 1963.
CFSTI: \$0.50.
- 53573 TITUS, J. S., and CATLIN, P. B. Uptake and translocation of urea-C¹⁴ supplied to roots of apple trees. Amer. Soc. Hort. Sci. Proc. 86: 1-11. Ref. June 1965. 81 So12
- 53574 TIZIO, R. Effect of different factors of growth on the proliferation of the parenchyma of tubercle of potato cultivated in vitro. (Fr) Acad. Sci. Compt. Rend. 261(22):4825-4828. Nov. 29, 1965. 505 P21
- 53575 TIZIO, R. Effects of aqueous extracts from the lower leaves of the potato with nodes on the tuberisation of shoot fragments grown in vitro. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):362-365. Ref. Jan. 17, 1966. 505 P21
- 53576 TOWNSLEY, W. W. Respiratory metabolism of germinating conidia of *Curvularia geniculata*. Diss. Abs. 26(3):1331-1332. Sept. 1965. 241.8 M58
- 53577 TRUPP, C. R., and SLINKARD, A. E. Seedset rating as a measure of fertility in grasses. Crop Sci. 5(6):599-600. Nov./Dec. 1965. 64.8 C883
Includes Agropyron intermedium.
- 53578 TSYBULKO, V. S. Biological nature of wintering properties of field crops. (Uk) Ukr. Bot. Zhur. 21(5):18-26. Ref. 1964. 450 J8212J
English summary.
- 53579 TWEEDIE, E. M. Periodic flowering of some Acanthaceae on Mt. Elgon. East. Afr. Hist. Soc. Nat. Mus. J. 25(2):92-94. June 1965. 410.9 Ea73
In Kenya.
- 53580 ULONSKA, E., FRITZ, A., and LENZ, W. Kjeldahl and prometer research on the protein content of barley during field ripening and after threshing as well as its practical application to marketing. (Ge) Bayer. Landwirt. Jahrbuch 42(4):410-424. Ref. 1965. 18 L24
- 53581 UNGAR, I. A. Salt tolerance of plants growing in saline areas of Kansas and Oklahoma. Ecology 47(1):154-155. Ref. Winter 1966. 410 Ec7
- 53582 UNGERSON, H., and SCHERDIN, G. Photosynthesis and respiration under natural environmental conditions during the winter season in *Pinus silvestris* L., *Picea excelsa* Link. and *Juniperus communis* L. (Ge) Planta 67(2): 136-167. Ref. 1965. 450 P693
English summary.
- 53583 UTKIN, V. V. Relationship between seed viability and preservation time of Crimean Compositae. (Rus) Moscow. Glav. Bot. Sad. B. 56: 44-49. Ref. 1964. 451 M854
Abstracted in Ref. Zh. Biol. 19(sect.V):21. Oct. 1965. 241.7 R25
- 53584 VAIL, W. J. The effect of beta-ionone upon the maturation of zygospores of *Choanephora cucurbitarum*. W. Va. Acad. Sci. Proc. 37:28-31. 1965, pub. 1966. 500 W52
- 53585 VAJDAI, I. What kind of direct production damages are caused by inland waters? (Hu) Magyar Mezogazdasag 21(10):14-15. Mar. 9, 1966. 19 M27
Excessive precipitation effects on plants and soils.
- 53586 VALORAS, N., and LETEY, J. Soil oxygen and water relationships to rice growth. Soil Sci. 101(3):210-215. Ref. Mar. 1966. 56.8 So3
- 53587 VARNER, J. E. Death. In Bonner, J., and Varner, J. E., ed. Plant Biochemistry, p. 867-872. Ref. 1965. QK861.B6
Physiology and biochemistry of senescence in plants.
- 53588 VARNER, J. E. Seed development and germination. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p. 763-792. Ref. 1965. QK861.B6
Includes biochemical and morphological aspects, and seed dormancy.
- 53589 VELA, G. R., and GUERRA, C. N. On the nature of mixed cultures of *Chlorella pyrenoidosa* TX 71105 and various bacteria. J. Gen. Microbiol. 42(1):123-131. Ref. Jan. 1966. 448.3 J823
- 53590 VERMA, S. C., and LAL, B. M. Physiology of Bengal gram seed. II. Changes in phosphorus compounds during ripening of the seed. J. Sci. Food Agr. 17(1):43-46. Ref. Jan. 1966. 382 So12
- 53591 VERNON, L. P., and EARHART, D. J. Current literature survey of photosynthesis. VIII. Photochem. Photobiol. 5(3):273-285. Mar. 1966. 382 P56
A bibliography.
- 53592 VIEIRA-DA-SILVA, J. B. Stability index of the catalase used as a criterion in the selection of drought resistant cotton plants. (Fr) Acad. Sci. Compt. Rend. 261(14):2709-2711. Oct. 4, 1965. 505 P21
- 53593 VIKTOROV, D. P., and ERDELI, G. S. Effect of growth substances on content of ascorbic acid and drought resistance in sunflower as induced by different dosage of phosphorus fertilizers. (Rus) Vesoyuznoe Botanicheskoe Obshchestvo. Voronezhskoe Otdelie. Nauchnye Zapiski 1964:10-14. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:31. July 1965. Film S-202
- 53594 VILLELE, O. DE. Cinq annees d'experimentation sur les besions en eau des cultures [Five years of research on crop water requirements]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 11, 54 p. Sept. 1965. 24 T339
- 53595 VITTORIA, A. Quantitative and qualitative effects caused in fodder beets by gibberellic treatments. (It) Ann. Sperim. Agr. (n.s.) 17 (5/6):717-738. Ref. 1963, pub. 1965. 16 An76
English summary.
- 53596 VIVAL'KO, I. G., and DOVGALENKO, G. V. Effect of ammonium and nitrogen nutrition on accumulation of oil in sunflower seeds. (Uk) In Zhivlennya ta udobrennya sil'skohospodars'kykh kul'tur 1964:40-50. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:31. July 1965. Film S-202
- 53597 VLASYUK, P. A., MANORIK, A. V., and GROZINSKII, D. M. Physical and biochemical peculiarities of ion radiation on plants. (Rus) In Vopr. biofiz. i mekhanizma deistviya ionizir. radiatsii 1964:196-200. Not in Libr.
Abstracted in Ref. Zh. Biol. 21(sect.G):1. Nov. 1965. 241.7 R25

- 53598 VOLOVIK, O. I., and EINOR, L. O. Effect of simazine and atrazine on the enzymatic transformation of cytochrome C in plants. (Ukr) Ukr. Bot. Zhur. 21(6):10-17. Ref. 1964. 450 J8212J
English summary.
Corn and cucumbers.
- 53599 VON AMSBERG, H. J. Floral and vegetative development in *Dactylis glomerata* as influenced by different temperature levels and durations. Diss. Abs. 26(3):1271. Sept.1965. 241.8 M58
- 53600 VOS, N. M. DE. Sprouting tendency and prediction in wheat. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):308-311. June 1965. 12 N383M
- 53601 VOSKRESENSKAYA, N. P. The action of shortwave radiation on the absorption of oxygen by the leaves of plants. 12 p. Ref. (TT 63-19454) Transl. 15443
Translation from Vsesoyuznaya Konferentsiya po Problemam Fotosinteza. Doklady 2:335-345. 1959.
Issued by CFSTI.
- 53602 VOSKRESENSKII, K. A., and YURINA, E. V. *Asteromonas gracilis* Artari as an object of mass cultivation. 14 p. Ref. (JPRS 30,995; TT 65-31493; CSO 11476-D) Transl. 15399
Chiefly development.
Translation from Moscow. Universitet. Vestnik. Seriya VI, Biologiya, Pochvovedenie 2:29-35. Mar./Apr.1965.
CFSTI: \$1.00.
- 53603 WAGENINGEN, CENTRUM VOOR PLANTEN-FYSIOLOGISCH ONDERZOEK. Jaarverslag [Annual report of the Plant Physiological Research Center], 1965. Wageningen, 1966. 31 p. 451 W122
- 53604 WANG, H. H., and others. Pedomicrobiology of paddy soil. III. A study on the factors in the sick paddy soil affecting the growth of rice. (Ch) Chinese Agr. Chem. Soc. J. 3(3/4):102-109. Ref. Oct.1965. 385 C47
C. N. Cheng, L. M. Changchien, and T. T. Chen, joint authors.
English summary.
- 53605 WATERS, W. E. Influence of nutrition on flower production, keeping quality, disease susceptibility, and chemical composition of *Chrysanthemum morifolium*. Amer. Soc. Hort. Sci. Proc. 86:650-655. Ref. June 1965. 81 Sol2
Chiefly the effects of nitrogen and potassium; in Florida.
- 53606 WEBB, J. C., STONE, R. B., and MCDOW, J. J. Response of cottonseed to audiofrequency gas plasma. Amer. Soc. Agr. Eng. Pap. 334, 11 p. 1965. 290.9 Am32P
Effects of radiation on seed germination.
- 53607 WENT, F. W. Growing conditions of alpine plants. Israel J. Bot. 13(2/4):82-92. Mar.1965. 450 Is7
Nevada; includes environmental conditions.
- 53608 WENTLAND, M. J. The effect of photoperiod on the seed dormancy of *Chenopodium album*. Diss. Abs. 26(9):4998. Mar.1966. 241.8 M58
- 53609 WHITEHEAD, F. H. Phenotypic adaptation in wind exposed plants. Sci. Hort. 18:31-39. 1964/65. 84 H78
Wind-tunnel experiment for physiological and other adaptations.
- 53610 WHITEHILL, A. R. Tissue culture—a new tool for agricultural research. Maine Farm Res. 13(4):16-18. Jan.1966. 100 M28Ma
Plants.
- 53611 WHITEMAN, P. C., and KOLLER, D. Environmental control of photosynthesis and transpiration in *Pinus halepensis*. Israel J. Bot. 13(2/4):166-176. Ref. Mar.1965. 450 Is7
- 53612 WHITTAKER, R. H. Branch dimensions and estimation of branch production. Ecology 46(3):365-370. Ref. Spring 1965. 410 Ec7
Based on observations made on *Rhododendron maximum* and *Quercus alba*.
- 53613 WIDDOWSON, J. P. Molybdenum uptake by French beans on two recent soils. New Zeal. J. Agr. Res. 9(1):59-67. Ref. Feb.1966. 23 N4892
- 53614 WILLINGHAM, C. A., ROACH, A. W., and SILVEY, J. K. G. Comparative studies of substrate degradation by marine-occurring actinomycetes. Amer. Midland Natur. 75(1):232-241. Ref. Jan.1966. 410 M58
- 53615 WOODBRIDGE, C. G., and CLORE, W. J. A black-leaf condition of Concord grapes in Washington. Amer. Soc. Hort. Sci. Proc. 86:313-320. June 1965. 81 Sol2
Associated with low potassium content.
- 53616 YADEN, S. Uptake of organic compounds by *Euglena gracilis*. Diss. Abs. 26(9):5613. Mar. 1966. 241.8 M58
- 53617 YAMANAKA, T., and KAMEN, M. D. Electron transfer components in the photosynthetic system of the diatom *Navicula pelliculosa*. Biochim. Biophys. Acta 112(3):436-447. Ref. Mar.14,1966. 381 B522
- 53618 YANG, T. T. The function of transpiration in the growth of sugarcane plants in soils. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:33-41. Ref. Apr.1965. 65.9 F76R
English summary.
- 53619 YANG, T. T., and TSAI, T. K. A study on the effect of soil fumigation on the growth of sugarcane roots. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:43-52. Ref. Apr.1965. 65.9 F76R
English summary.
Treatment with steam and D-D mixture.
- 53620 YASUDA, I., and YASUI, K. The effects of the previous night artificial lighting on the flowering of Morning Glory. V. Effects of the combination of the colored fluorescent lamps and the flowerable limit distance from the fluorescent lamps on the flowering of Morning Glory. (Ja) Okayama. Univ. Fac. Agr. Sci. Rep. 25:25-29. Mar.1965. 107.6 Ok12
English summary.
- 53621 YEFEIKIN, A. K., and SMIRNOV, P. S. Once more on the so-called "different phasic age" of tissues and organs of plants. (Rus) Bot. Zhur. [Moscow] 51(1):93-95. Ref. 1965. 451 R923
Brassica oleracea used for experiment.
- 53622 YOUNG, R., and PEYNADO, A. Changes in cold hardiness and certain physiological factors of red blush grapefruit seedlings as affected by exposure to artificial hardening temperatures. Amer. Soc. Hort. Sci. Proc. 86:224-252. Ref. June 1965. 81 Sol2
- 53623 YOUSSEF, E., and ELSAADAWY, W. The effects of 2,4-dichlorophenoxyacetic acid on the absorption and assimilation of potassium nitrate by radish root slices. J. Bot. United Arab Repub. 6:61-73. Ref. 1963, pub.1965. 450 Eg9
- 53624 YOUSSEF, E., and ELSAADAWY, W. Respiration and nitrogen metabolism of radish root slices as influenced by alpha-naphthylacetic acid. J. Bot. United Arab Repub. 6:75-84. Ref. 1963, pub.1965. 450 Eg9
- 53625 YUSUFOV, A. G. Capability to take root of stem and leaf cuttings of some plants. (Rus) Bot. Zhur. [Moscow] 50(11):1596-1601. Ref. Nov.1965. 451 R923
- 53626 ZADONTSEVA, A. I., BONDARENKO, V. I., and SATAROVA, V. D. Differences in hardiness and productivity of wheat shoots of different age. (Ukr) Akad. Nauk Ukrain. RSR. Dopr. 10:1376-1380. 1964. 511 K54
Effect of planting dates.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:14. July 1965. Film S-202
- 53627 ZAKIROV, T. S. Some data about cotton defoliation and desiccation. (Rus) Agrokhimiya 7:96-100. July 1964. 385 Ag89
Study of physiological effects.
- 53628 ZENKTELER, M. Test tube fertilization in *Dianthus caryophyllus* Linn. Naturwissenschaften 52(23):645-646. Dec.1,1965. 474 N213

- 53629 ZHURBITSKII, Z. I. On the responsiveness of the sugar beet to fertilization with carbon dioxide. 30 p. Ref. (TT 63-16078) Transl. 15400
Translation from Petrovsk. Sel'skokhozyaistvennaya Akademiya. Izvestiya 2:427-444. 1928.
Issued by CFSTI.
- 53630 ZIEGLER, H., ZIEGLER, I., and SCHMIDT-CLAUSEN, H. J. The influence of light intensity and light quality on the increase in activity of the NADP⁺-dependent glyceraldehyde-3-phosphate-dehydrogenase. (Ge) Planta 67(4): 344-356. Ref. 1965. 450 P693
English summary.
Broadbeans.
- BIOCHEMISTRY**
- 53631 AIDA, K., and others. Incorporation of molecular oxygen into a morphine alkaloid, 14-hydroxycodeinone by *Trametes sanguinea*. Biochem. Biophys. Res. Commun. 22(1):13-16. Jan.4, 1966. 442.8 B5236
K. Uchida, K. Iizuka, S. Okuda, K. Tsuda, and T. Uemura, joint authors.
- 53632 AKAZAWA, T. Starch, inulin, and other reserve polysaccharides. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.258-297. Ref. 1965. QK861.B6
- 53633 APGAR, J., EVERETT, G. A., and HOLLEY, R. W. Analyses of large oligonucleotide fragments obtained from a yeast alanine transfer ribonucleic acid by partial digestion with ribonuclease T1. J. Biol. Chem. 241(5):1206-1211. Mar.10, 1966. 381 J824
- 53634 ARIMA, K., and others. Studies on utilization of hydrocarbons by yeasts. I-II. Agr. Biol. Chem. 29(11):1004-1015. Nov.1965. 385 Ag8B
S. Ogino, K. Yano, and G. Tamura, joint authors.
- 53635 ARIMURA, S., and KANNO, I. An investigation of plant opals; (preliminary report). (Ja) Kyushu Agr. Exp. Sta. Bull. 11(2):96-109. Ref. Aug.1965. 107.6 K996B
English summary.
- 53636 ARIMURA, S., and KANNO, I. Some mineralogical and chemical characteristics of plant opals in soils and grasses of Japan. Kyushu Agr. Exp. Sta. Bull. 11(2):111-120. Ref. Aug. 1965. 107.6 K996B
- 53637 ARN, H., GROB, E. C., and SIGNER, R. The separation of chlorophylls through counter-current extraction. (Ge) Helv. Chim. Acta 49 (2):851-854. 1966. 385 H36
English summary.
Nettle and barley leaves.
- 53638 ARNDT, H. G. Isolierung von Flavonol-3-glykosiden aus *Cereus grandiflorus* Mill. und Synthese von Polyhydroxy-flavon-3-glykosiden [Isolation of flavonol-3-glycosides from *Cereus grandiflorus* Mill. and synthesis of polyhydroxy-flavone-3-glycosides]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss.] 10,80 p. Ref. 1965. 509 M923
- 53639 ARNOLD, W. N. A column method for enzymic characterization of coarse cellular fractions: application to insoluble beta-fructofuranosidase from grape. Arch. Biochim. Biophys. 113 (2):451-456. Ref. Feb.1966. 381 Ar2
- 53640 ASAHII, T., HONDA, Y., and URITANI, I. Increase of mitochondrial content in sweet potato root tissue after wounding. Arch. Biochim. Biophys. 113(2):498-500. Feb.1966. 381 Ar2
- 53641 AXELROD, B. Mono- and oligosaccharides. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.231-257. Ref. 1965. QK861.B6
- 53642 BANDURSKI, R. S. Biological reduction of sulfate and nitrate. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.467-490. Ref. 1965. QK861.B6
- 53643 BANTHORPE, D. V., and TURNBULL, K. W. The biosynthesis of thujane derivatives in higher plants. Chem. Commun. 6:177-178. Mar.23, 1966. 382 C4223
- 53644 BARINOV, G. V. Isotopic exchange in hydrobiological system and its meaning. (Rus) Gi-drobiol. Zh. 1(2):27-34. 1965. 442.8 R92
Assimilation of Ca⁴⁵ and Sr⁸⁹ by algae.
Abstracted in Ref. Zh. Biol. 21(sect.D):30. Nov.1965. 241.7 R25
- 53645 BASSO, J. A., and LUCHSINGER, W. W. The effects of inhibitors on purified A₁₁-endo-beta glucanase from germinated barley. W. Va. Acad. Sci. Proc. 37:35-47. Ref. 1965, pub. 1966. 500 W52
- 53646 BATTAGLINI, M., and BOSI, G. Contribution to the knowledge of the lipides in pollen. 1. The fatty acids. (It) Apicolt. Ital. 32(4/5):106-108. July/Oct.1965. 424.8 Ap372
English summary.
Quercus robur pollen.
- 53647 BATTERSBY, A. R., and BROWN, T. H. Orientalinone, dihydro-orientalinone, and salutaridinone from *Papaver orientale*: related tracer-experiments. Chem. Commun. 6:170-171. Mar.23, 1966. 382 C4223
- 53648 BERIDZE, T. G., and others. Participation of nucleic acids in the process of chlorophyll synthesis. (Rus) Akad. Nauk SSSR. Dokl. 166(6): 1454-1457. Ref. 1966. 511 P444A
M. S. Odintsova, N. A. Cherkashina, and N. M. Sisakyan, joint authors.
Beans.
- 53649 BERTSCH, A. CO₂-exchange of some lichens after absorption of water vapour. (Ge) Planta 68(2):156-166. Ref. 1966. 450 P693
English summary.
- 53650 BESINGER, E. N., MOLCHANOV, M. I., and SISAQYAN, N. M. Biosynthesis of protein and nucleic acids in lamellae of *Phaseolus chloroplasts*. (Rus) Akad. Nauk SSSR. Dokl. 166:738-741. Ref. 1966. 511 P444A
Beans.
- 53651 BEYRICH, T. Separation and identification of the furocoumarins of *Pastinaca [sativa] opaca* Bernh.; eighth contribution on the furocoumarins. (Ge) Planta Med. 13(4):439-444. Nov. 1965. 450 P697
English summary.
- 53652 BHATIA, V. K., GUPTA, S. R., and SESHADRI, T. R. C-glycosides of the leaves of *Parkinsonia aculeata*. Tetrahedron 22(3):1147-1152. Mar.1966. 382 T29
- 53653 BICK, I. R. C., and RHEE, C. Anthraquinone pigments from *Phoma foveata* Foister. Biochem. J. 98(1):112-116. Ref. Jan.1966. 382 B52
- 53654 BIEHL, B. The influence of chlorophyll-nitrogen ratio in isolated chloroplasts- and chloroplast-membrane fractions on the methods of isolation and fragmentation. (Ge) Planta 67 (3):265-280. Ref. 1965. 450 P693
English summary.
Spinach.
- 53655 BIRKOFER, L. The constitution of acylated anthocyanins. (Ge) Planta Med. 13(4):445-452. Ref. Nov.1965. 450 P697
English summary.
In plants.
- 53656 BISSETT, O. R. Calcium and magnesium interaction in white pine (*Pinus strobus*, L.) seedlings grown in a hydroponic medium. Diss. Abs. 26(9):4989-4990. Mar.1966. 241.8 M58
- 53657 BJORNDAAL, H., and others. Studies on the xylan from the red seaweed *Rhodomenia pal-mata*. Acta Chem. Scand. 19(10):2309-2315. Ref. 1965. 385 Ac82
K. Eriksson, R. J. Garegg, B. L. Lindberg, and B. Swan, joint authors.
- 53658 BLAGOVESHCHENSKII, A. V. Enzyme quality and plant introduction. (Rus) Moscow. Glav. Bot. Sad. B. 56:3-9. 1964. 451 M854
Includes use of growth stimulants.
Abstracted in Ref. Zh. Biol. 19(sect.V):2. Oct.1965. 241.7 R25

- 53659** BOGDANSKI, K. On the nature of information of stereoelectrolytic redox field in some plant organs. (Fr) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(2):99-102. Ref. 1965. 512 W262
Chiefly stereochemistry of apple fruits; includes effects of solar radiation.
- 53660** BOGORAD, L. Porphyrins and bile pigments [phycobilliproteins]. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.717-760. Ref. 1965. QK861.B6
- 53661** BOHLMANN, F., and KLEINE, K. M. On a new quinone from higher plants. (Ge) Chem. Ber. 99(3):885-888. 1966. 384 B45
(Gamma, gamma-dimethyl-allyl)-p-benzo-quinone from Phagnalon saxatile.
- 53662** BOHLMANN, F., and others. Polacetylene compounds. XCIII-XCIV. (Ge) Chem. Ber. 99(2):586-592. Feb.1966. 384 B45
H. Monch, U. Niedballa, and K. M. Kleine, joint authors.
XCIII, Structure and synthesis of acetylene compounds from Chrysanthemum maximum Raymond; XCIV, The polyines from Cousinia hystrix C. A. May
- 53663** BONNER, J. The isoprenoids. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.665-692. Ref. 1965. QK861.B6
Chiefly terpenes, carotenoids and rubber.
- 53664** BONNER, J., and VARNER, J. E., ed. Plant biochemistry. New York, Acad. Press, 1965. 1054 p. Ref. QK861.B6
Includes plant physiology and cytology.
- 53665** BONTING, S. L., and CARAVAGGIO, L. L. Studies on Na⁺-K⁺-activated adenosine triphosphatase. XVI. Its absence from the cation transport system of Ulva lactuca. Biochim. Biophys. Acta 112(3):519-523. Ref. Mar.14, 1966. 381 B522
- 53666** BORNER, R. Fractionation of ribonucleic acid in solutions and temperature gradients. (Ge) Biol. Zentralbl. 84(5):607-609. Sept./Oct.1965. 442.8 B523
Includes Vicia faba minor.
- 53667** BRIESKORN, C. H., and GLASZ, J. On a crystallizable globulin from the seeds of Salvia off. L.; 20th report on the contents of Salvia off. L. (Ge) Arch. Pharm. 299(1):67-71. Jan.1966. 396.8 Ar2A
- 53668** BROWN, R. T. The chemistry of the Vinca alkaloids salsiridine, catharanthine, and their derivatives. Diss. Abs. 26(8):4229-4230. Feb. 1966. 241.8 M58
- 53669** BRUNEL-CAPELLE, G., and BRUNEL, A. Arginase activity in the vegetative organs of Arum italicum Mill. (Fr) Acad. Sci. Compt. Rend. 261(14):2720-2723. Oct.4,1965. 505 P21
- 53670** BUBICZ, M. Occurrence of carotenoids in fruits of the genus Berberis. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(5):251-255. Ref. 1965. 512 W262
- 53671** BURRIS, R. H. Nitrogen fixation. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.961-979. Ref. 1965. QK861.B6
- 53672** CALCUTTA, BENGAL IMMUNITY LABORATORIES. Synopsis of researches during the period May 1961-April 1964. Immunity Bull. 12,64 p. Ref. 1964. 396.8 Im6
Includes research on plant biochemistry, food additives and protein sources.
- 53673** CAPPELLINI, R. A., and PETERSON, J. L. Production, in vitro, of certain pectolytic and cellulolytic enzymes by fungi associated with corn stalk rot. Torrey Bot. Club. Bull. 93(1): 52-55. Jan./Feb.1966. 451 T63B
- 53674** CARPENTER, W. J. G., and CHERRY, J. H. Effects of benzyladenine on accumulation of 32P into nucleic acids of peanut cotyledons. Biochim. Biophys. Acta 114(3):640-642. Mar.21,1966. 381 B522
- 53675** CHOLLET, M. M., and MOREAU, C. Pigments and glucide metabolism in some Aspergillus of the glaucous group: comparison with Aspergillus wentii and Penicillium wortmanni. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):451-453. Jan.24,1966. 505 P21
- 53676** CHRISTIANSEN, K., and BOLL, P. M. A new flavanone from peach bark. Tetrahedron Lett. 12:1293-1297. Mar.1966. 385 T29
7-methyl ether of hesperitin.
- 53677** COLEMAN, E. A. Electrophoretic and serological studies of Medicago sativa L. root proteins. Diss. Abs. 26(3):1297. Sept.1965. 241.8 M58
- 53678** CORGAN, J. N. Seasonal change in naringenin concentration in peach flower buds. Amer. Soc. Hort. Sci. Proc. 86:129-132. June 1965. 81 So12
- 53679** CORRAL, R. A., and ORAZI, O. O. Studies on plants. X. Behaviour of ribalinium salts towards bases. Tetrahedron 22(3):1153-1158. Ref. Mar.1966. 382 T29
In Rutaceae.
- 53680** COSTES, C., and DEROICHE, M. E. Heterogeneity of carotenoids in green leaves. (Fr) Acad. Sci. Compt. Rend. 261(22):4893-4896. Nov.29,1965. 505 P21
In wheat.
- 53681** CRUM, J. D., and others. The chemistry of alkaloids. I. The screening of some native Ohio plants. W. Va. Acad. Sci. Proc. 37:143-147. Ref. 1965, pub.1966. 500 W52
J. M. Cassady, P. M. Olmstead, and N. J. Picha, joint authors.
- 53682** DAVIES, W. H., MERCER, E. I., and GOODWIN, T. W. Some observations on the biosynthesis of the plant sulpholipid by Euglena gracilis. Biochem. J. 98(2):369-373. Ref. Feb. 1966. 382 B52
- 53683** DAVY, J., and COURTOIS, J. E. Isolation of various trisaccharides and tetrasaccharides from the roots of Silene inflata Salisb. (Fr) Acad. Sci. Compt. Rend. 261(17):3483-3485. Oct.27,1965. 505 P21
- 53684** DENISOVA, A. I., and MAISTRENKO, YU. G. The role of blue-green algae in the formation of the chemical regime of Kakhovskoe Reservoir. (Rus) In Ekologiya i fiziologiya sinezelenykh vodoroslei 1965:95-100. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):37-38. Oct.1965. 241.7 R25
- 53685** DEVYS, M., and BARBIER, M. Cholesterol, the principal sterol in the pollen of a composite plant, Hypochaeris radicata. (Fr) Acad. Sci. Compt. Rend. 261(22):4901-4903. Ref. Nov.29, 1965. 505 P21
- 53686** DOXTADER, K. G., and ALEXANDER, M. Role of 3-nitropropanoic acid in nitrate formation by Aspergillus flavus. J. Bacteriol. 91(3): 1186-1191. Ref. Mar.1966. 448.3 J82
- 53687** DREWS, G., and OELZE, J. The control of bacteriochlorophyll synthesis by Rhodospirillum rubrum. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(1):1-8. Ref. 1966. 448.3 C33
English summary.
- 53688** DRIEL, W. VAN. Biochemical aspects of the control of iron deficiency in plants. (Du) Landbouwkundig Tijdschr. 77(21):823-834. Dec.1965. 105.2 Or3
English summary.
- 53689** DROKOVA, I. G., POPOVA, R. C., and TUPIK, N. D. Carotene content in Dunaliella salina Teod. under conditions of laboratory cultivation. (Ukr) Ukr. Bot. Zhur. 21(5):44-49. Ref. 1964. 450 J8212J
English summary.
- 53690** EDELMAN, J., and DICKERSON, A. G. The metabolism of fructose polymers in plants; transfructosylation in tubers of Helianthus tuberosus L. Biochem. J. 98(3):787-794. Ref. Mar.1966. 382 B52

- 53691** EPSTEIN, E. Mineral metabolism. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.438-466. Ref. 1965. QK861.B6
Includes ion transport.
- 53692** FISEL, J. Campnorol, quercetin, and isorhammetin in green leaves of *Ginkgo biloba* L. (Ge) *Naturwissenschaften* 52(21):592. Nov.1,1965. 474 N213
- 53693** FOLDESI, D. Study of some species of the subgenus *Archeosolanum*. (Hu) *Herba Hung.* 4(1): 61-73. Ref. 1965. 71.8 H413
German summary.
Steroid content study, chiefly.
- 53694** FOWDEN, L. The acidic amino acids in tulip: isolation of gamma-ethylideneglutamic acid. *Biochem. J.* 98(1):57-61. Ref. Jan.1966. 382 B52
- 53695** FOWDEN, L. Origins of the amino acids. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.361-390. Ref. 1965. QK861.B6
- 53696** FREDGA, A., and BENDZ, G. On the occurrence of pro-anthocyanidins in Swedish ferns. (Ge) *Justus Liebigs Ann. Chem.* 691:177-180. 1966. 384 An7
- 53697** FURUKAWA, H. On the alkaloids of *Nelumbo nucifera* Gaertn. XII. Alkaloids of loti embryo. 5. (Ja) *Pharm. Soc. Jap. J.* 86(1):75-77. Jan. 1966. 396.9 P49
English summary.
- 53698** FURUTA, T., and PERRY, F. Changes in amino acid of rose [*Rosa rugosa*] and althea [*Hibiscus syriacus*] stems during storage. *Amer. Soc. Hort. Sci. Proc.* 86:770-773. June 1965. 81 So12
- 53699** GARBER, E. D. The genus *Collinsia*. XXVIII. A paper chromatographic and disk electrophoretic study of leaf extracts from 14 species and progeny from 5 interspecific hybrids. *Can. J. Genet. Cytol.* 7(4):551-558. Ref. Dec.1965. 443.8 C16
- 53700** GARDNER, H. W. Reaction and products of a lipohydroperoxidase from alfalfa seedlings. *Diss. Abs.* 26(8):4209. Feb.1966. 241.8 M58
- 53701** GEIGER, H., and BECKMANN, S. On the occurrence of rutin and camphorol-3-rhamnoglucoside in *Ginkgo biloba* L. (Ge) *Z. Naturforsch.* 20b(11):1139-1140. Nov.1965. 474 Z3
- 53702** GERNGROSS, O., and RENDA, N. On the occurrence and quantitative determination of naringin in citrus kinds of citrus. (Ge) *Justus Liebigs Ann. Chem.* 691:186-189. 1966. 384 An7
From the plant parts.
- 53703** GERVAY, J. E., and others. Phenol oxidation: a model for the biosynthesis of the Erythrina alkaloids. *Chem. Commun.* 5:142-143. Mar.9, 1966. 382 C4223
F. McCapra, T. Money, G. M. Sharma, and A. I. Scott, joint authors.
- 53704** GILGAN, M. W. Studies on the chemistry and metabolism of the toxins from *Fusarium tricinatum* and *Lathyrus odoratus*. *Diss. Abs.* 26(9):5008. Mar.1966. 241.8 M58
- 53705** GOAS, M. Contribution to nitrogen metabolism study of halophytes: amino acids and free amides of the young sprouts of *Suaeda macrocarpa* Moq., collected on their natural site. (Fr) *Acad. Sci. Compt. Rend.* 261(14):2724-2726. Oct.4,1965. 505 P21
- 53706** GRABAREK, J., REIFER, I., and KLECZKOWSKI, K. A natural inhibitor of argininosuccinic acid from pea sprouts homogenates. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(7):377-380. 1965. 512 W262
Includes study of enzymes catalyzing arginine synthesis.
- 53707** GRILL, R., and VINCE, D. Photocontrol of anthocyanin formation in turnip seedlings. II. The possible role of phytochrome in the response to prolonged irradiation with far-red or blue light. *Planta* 67(2):122-135. Ref. 1965. 450 P693
- 53708** GRUNINA, L. K. Amino acid composition of vegetative organs of corn and mallow in the Komi ASSR. (Rus) *Moscow. Glav. Bot. Sad. B.* 56:60-65. 1964. 451 M854
Abstracted in Ref. Zh. Biol. 19(sect.G):7. Oct.1965. 241.7 R25
- 53709** GUGGISBERG, A., and others. Note on the occurrence of C-mavacurine in the root epidermis of *Strychnos nux-vomica* L. 59th report on calabash alkaloids. (Ge) *Helv. Chim. Acta* 49(fasc.Emile Cherbuliez):1-4. Jan.22,1966. 385 H36
M. Hese, H. Schmid, and P. Karrer, joint authors.
- 53710** GUPTA, P. K. Studies on the chemical modification and structure of coumarins occurring in umbelliferous plants. *Diss. Abs.* 26(8): 4254. Feb.1966. 241.8 M58
- 53711** GUSEVA, A. R., and NESTYUK, M. N. Methods for the determination of the flavone substances in plants. 7 p. *Transl.* 15296
Translation from *Biokhimiya* 18(4):480-483. 1953.
- 53712** HAGEMANN, F. Investigations tryptophan degradation in three yeast species. (Ge) *Naturwissenschaften* 52(22):626-627. Nov.15,1965. 474 N213
- 53713** HAIDLE, C. W., KORNFELD, J. M., and KNIGHT, S. G. Incorporation of amino acids into protein by cell-free extracts of *Penicillium chrysogenum*. *Arch. Mikrobiol.* 53(1):41-49. Ref. 1966. 442.8 Ar26
- 53714** HAIDLE, C. W., and STORCK, R. Inhibition by cycloheximide of protein and RNA synthesis in *Mucor rouxii*. *Biochem. Biophys. Res. Commun.* 22(2):175-180. Ref. Jan.24,1966. 442.8 B5236
- 53715** HAMET, R., and GOUTAREL, R. *Alchornea floribunda* Mueller Arg.: is it's stimulating effects on man caused by yohimbine? (Fr) *Acad. Sci. Compt. Rend.* 261(16):3223-3224. Oct.18, 1965. 505 P21
- 53716** HANSEL, R., and KLAPROTH, L. Activated carbon as adsorbant for the chromatographic separation lipide plant extracts. (Ge) *Arch. Pharm.* 199(1):71-80. Jan.1966. 396.8 Ar2A
- 53717** HARBORNE, J. B. Flavonoid pigments. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.618-640. Ref. 1965. QK861.B6
- 53718** HARPER, S. H., and LETCHER, R. M. Isolation of the internal salt of choline sulphuric acid from *Dermatiscum thunbergii*. *Chem. Indus.* 10:419-420. Mar.5,1966. 382 M31C
- 53719** HASHIZUME, H. Detection of auxins and inhibitors in the pine seeds and needles by the pine hypocotyl tests. (Ja) *Jap. Forest. Soc. J.* 47(12):421-425. Ref. Dec.1965. 99.8 N62
English summary.
- 53720** HASSELO, H. N., and BRZESOWSKY, W. J. An evaluation of the variations in the leaf K and Mg contents in oil plams. *Oleagineux* 20(10):579-583. (Cont.) Oct.1965. 77.8 OL2
- 53721** HATCH, M. D. Adenylosuccinate synthetase and adenylosuccinate lyase from plant tissues. *Biochem. J.* 98(1):198-203. Ref. Jan.1966. 382 B52
Studies with wheat germ extracts.
- 53722** HEFTMANN, E. Steroids. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.693-716. Ref. 1965. QK861.B6
- 53723** HIORTH, J. The phenoloxidase and peroxidase activities of two culture types of *Phellinus tremulae* (Bond.) Bond. et Boriss. Norway. *Skogforsoksv. Medd.* 75:249-272. Ref. 1965. 99.9 N833
- 53724** HOLLEY, R. W. Protein metabolism. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.346-360. Ref. 1965. QK861.B6
- 53725** HOSHINO, J., and MOMOSE, A. Interconversion in vitro of the two forms of yeast beta-fructofuranosidase. *J. Biochem.* 59(2):192-194. Feb.1966. 385 J822
Fusarium oxysporum and *Neurospora crassa*.

- 53726 HSIEH, P. T., LIAO, Y. H., and LAI, C. C. Direct alkaline extraction of bamboo hemicellulose. (Ch) Chinese Agr. Chem. Soc. J. 3 (3/4):68-73. Ref. Oct.1965. 385 C47 English summary.
- 53727 HUBER, K., and MEYER, K. The glycosides of the leaves of *Digitalis obscura* L. ssp. *obscura*. (Ge) Helv. Chim. Acta 49(fasc.Emile Cherbuliez):259-272. Ref. Jan.22,1966. 385 H36
- 53728 HUNECK, S. On lichen constituents. XVIII. Constitution of planic acid, a new depside from *Lecidea plana* (Lahm ex Koerb.) Nylander. (Ge) Z. Naturforsch. 20b(11):1119-1122. Nov. 1965. 474 Z3
- 53729 HUNECK, S. On lichen constituents. XXI. Constituents of *Lecidea lithophila* (Ach.) Ach. emend. Th. Fr., *Lecidea macrocarpa* (D.C.) Steud. and *Lecidea fuscoatra* (L.) Ach. (Ge) Z. Naturforsch. 20b(11):1137-1138. Nov.1965. 474 Z3
- 53730 HUNECK, S. On the chemistry of Chilean lichens. IX. On the constitution of *Lecanora dispersa* (Pers.) Roehl., *Parmelia perlata* (Huds.) Ach., and *Parmelia pseudoreticulata* Tav. (Ge) Z. Naturforsch. 20b(11):1138-1139. Nov. 1965. 474 Z3
- 53731 IL'IN, G. Demethylation of nicotine in the plant cell. 8 p. Transl. 15299 *Nicotiana rustica*, *N. glauca* and *N. glutinosa*. Translation from Akademiyi Nauk SSSR. Doklady 59(1):99-102. 1948.
- 53732 IVANOV, N., and OGNANOV, I. Free acids in resins of Bulgarian oriental tobacco. Bulgarska Akad. Nauk. Dokl. 18(11):1015-1017. Ref. 1965. 512 So2
- 53733 IVANOVA, S. S. Present-day state of the problem of toxicity of blue-green algae. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:207-212. Ref. (Not in NAL) Abstracted in Ref. Zh. Biol. 19(sect.D):41. Oct.1965. 241.7 R25
- 53734 IZAWA, S., WINGET, G. D., and GOOD, N. E. Phlorizin, a specific inhibitor of photophosphorylation and phosphorylation-coupled electron transport in chloroplasts. Biochem. Biophys. Res. Commu. 22(2):223-226. Jan.24, 1966. 442.8 B5236 Spinach.
- 53735 JANSEN, E. F. Ethylene and polyacetylenes. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.641-664. Ref. 1965. QK861.B6
- 53736 JOHNSTON, T. D., and JONES, D. I. H. Variations in the thiocyanate content of kale varieties. J. Sci. Food Agr. 17(2):70-71. Feb.1966. 382 So12
- 53737 JONES, H. C. The purification and properties of a hexokinase from the corn scutellum. Diss. Abs. 26(8):4212. Feb.1966. 241.8 M58
- 53738 KAJI, A., and TAGAWA, K. Studies on the enzyme acting on araban. VI. Arabinase produced by *Coniothyrium diplodiella*. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):143-146. Mar.1965. 107.6 K113 English summary.
- 53739 KARKENNY, M. E., WILSON, H. A., and LILLY, V. G. Polysaccharide production by *Pseudomonas* isolates. W. Va. Acad. Sci. Proc. 37:1-7. Ref. 1965, pub.1966. 500 W52
- 53740 KARUNAKARAN, A. Studies on the biosynthesis of carotenes. Diss. Abs. 26(3):1322. Sept. 1965. 241.8 M58 Tomatoes and *Neurospora crassa*.
- 53741 KASPRZYK, Z., and others. The separation and characterization of glycosides of five plants of the Compositae family. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(2):77-81. 1965. 512 W262 M. Fonberg, E. Polus, G. Raczynski, and A. Rafalski, joint authors.
- 53742 KAY, E. Purification and characterization of multiple forms of horseradish peroxidase. Diss. Abs. 26(9):5010-5011. Mar.1966. 241.8 M58
- 53743 KELLEY, J. D., and SHIER, R. W. Seasonal changes in the macronutrient composition of leaves and stems of *Taxus media*. Amer. Soc. Hort. Sci. Proc. 86:809-814. June 1965. 81 So12
- 53744 KENNING, W. Fortnightly changes in sugar content in some sugarcane varieties from Tucuman. (Sp) Indus. Azucar. 71(858):163-167. May 1965. 65.8 In22
- 53745 KHUONG-HUU-LAINE, F., and others. Steroid alkaloids. XLV. Family of Buxaceae. 4. Alkaloids of *Buxus malayana* Ridl. (Ge) Soc. Chem. France. Bull. 2:758-762. Ref. Feb. 1966. 383 P21B M. J. Magdeleine, N. G. Bisset, and R. Goutarel, joint authors.
- 53746 KLIEWER, W. M., and NASSAR, A. R. Changes in concentration of organic acids, sugars, and amino acids in grape leaves. Amer. J. Enol. Viticult. 17(1):48-57. Ref. Jan./Mar.1966. 390.9 Am33
- 53747 KLIMENKO, V. G., BEREZOVNIKOV, A. D., and LEONOV, G. B. Change in the composition of proteins in ripening seeds of lentil, cowpea, and chickpeas. 8 p. Transl. 14971 Translation from Biokhimiya 29(4):596-601. July/Aug.1964.
- 53748 KOENIGS, J. W. Intracellular localization of individual dehydrogenases in frozen plant tissues by means of specific substrates and coenzymes. Stain Technol. 41(1):1-7. Ref. Jan. 1966. 442.8 St1 Fresh sections of living bark of *Pinus monticola* infected with blister rust *Cronartium ribicola*.
- 53749 KOMISSAROV, G. G., NEKRASOV, L. I., and KOBOSEV, N. I. Duration of chlorophyll fluorescence at different concentrations in adsorbates and in the green leaf. 5 p. Ref. (TT 64-18827) Transl. 15310 Translation from Akademiyi Nauk SSSR. Doklady 154:950-952. 1964. Issued by CFSTI.
- 53750 KONAREV, V. G., GILYATZETDINOV, S. YA., and TYUTEREV, S. L. On labile and metabolically active DNA. (Rus) Akad. Nauk SSSR. Dokl. 166(2):480-482. Ref. 1966. 511 P444A In peas.
- 53751 KOTLABA, F., and others. Constituents of the wood-decaying fungus *Sarcodontia setosa* (Pers.) Donk, plant substances. XXV. Naturwissenschaften 52(21):591. Nov.1,1965. 474 N213 J. Krepinsky, V. Herout, R. Prokes, and A. Vystrel, joint authors.
- 53752 KRENKE, A. N., and DUBROVITSKAYA, N. I. The nature of the ferment catalase and its activity as a function of the state of growth of tobacco leaves. 9 p. Transl. 15280 Translation from Akademiyi Nauk SSSR. Doklady 66:729-732. 1949.
- 53753 KRIMLYAN, A. I., and TETENYI, P. Hungarian data on the polychemism of *Mentha longifolia* (L.) Nath. (Rus) Herba Hung. 4(1):19-32, map. Ref. 1965. 71.8 H413 German summary.
- 53754 KUO, C. F. The relation between the distribution of enzymes and the translocation of substances in plant vascular bundles. 12 p. Transl. 15436 Cushman, winter squash and cucumbers. Translation from Acta Botanica Sinica 12(1):100-104. Mar.1964.
- 53755 KUZNETSOVA, G. A., and KUZ'MINA, L. V. Use of thin-layer chromatography for the identification of natural coumarins and furocoumarins. (Rus) Rastitel'nye Resursy 1(1):149-151. 1965. 450 R18 Cited in Ref. Zh. Biol. 19(sect.G):7. Oct. 1965. 241.7 R25

- 53756 LABARCA, C. G. Isolation and partial characterization of bound forms of indole-3-acetic acid in *Zea mays*. Diss. Abs. 26(8):4213. Feb. 1966. 241.8 M58
- 53757 LANGE, H., and MOHR, H. The inhibitory effect of actinomycin D and puromycin on the phytochrome induced synthesis of anthocyanin. (Ge) *Planta* 87(2):107-121. Ref. 1965. 450 P693
English summary.
Sinapis alba.
- 53758 LEWAK, S. Changes of the leucocyanidin content in the leaves of hawthorn [*Crataegus oxyacantha*] during vegetation. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(3):121-129. Ref. 1965. 512 W262
- 53759 LEWANDOWSKI, A., and others. Quantitative estimation of the total content of tobacco alkaloids by means of "cationized" filter paper. 14 p. Ref. Transl. 15381
H. Witkowski, J. Platek, and D. Brozozka, joint authors.
Translation from *Chemia Analityczna* 6(551). 1961.
- 53760 LIU, P. W., and CHEN, S. H. Studies on the isolation, purification, and properties of the proteolytic enzyme (protease) produced by *Mucor sufi*. I. (Ch) Chinese Agr. Chem. Soc. J. 3(3/4):110-116. Oct. 1965. 385 C47
English summary.
- 53761 LOCHMANN, E. R. Conversion of nucleic acid bases in a free cell yeast extract. (Ge) *Z. Naturforsch* 20b(11):1134. Nov. 1965. 474 Z3
- 53762 LOHR, E. Flowers, that change color from yellow to red and orange. (Da) *Horticultura* 19(1):159. Nov. 1965. 80 H7825
- 53763 LORINCZ, K., and TYIHAK, E. Problems of volatile oil determination in coriander breeding. (Rus) *Herba Hung.* 4(1):109-118. 1965. 71.8 H413
German summary.
- 53764 LOZOVAYA, G. I. Characteristics of pigment system in corn hybrids and their parental forms. (Rus) *Respublikanskaya. Nauchnaya Konferentsiya Fiziologov i Biokhimikov Rastenii Moldavii. Trudy* 1:163-169. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:17. July 1965. Film S-202
- 53765 MAREKOV, N., MOLLOV, N., and POPOV, S. Minor alkaloids of *Gentiana* species. *Bulgarska Akad. Nauk. Dokl.* 18(11):999-1002. 1965. 512 So2
- 53766 MATERNA, J., and RYSKOVA, L. Amino acids in Norway spruce. *Commun. Inst. Forest. Cech.* 4:75-81. 1965. 99.9 P884
- 53767 MATHE, I. The effect of shading on the total alkaloid and vincamine content of *Vinca minor* L. (Hu) *Herba Jung.* 4(1):47-60. 1965. 41.8 H413
German summary.
- 53768 MAYER, A. M. Factors controlling activity of phenolase in chloroplasts from sugar beets. *Israel J. Bot.* 13(2/4):74-81. Mar. 1965. 450 Is7
- 53769 MAZLIAK, P. Interesting biological material for the study of biosynthesis of unsaturated fatty acids: parenchyma of the apples (*Pyrus malus*). (Fr) *Acad. Sci. Compt. Rend.* 261(14):2716-2719. Oct. 4, 1965. 505 P21
- 53770 MURANAGA, T., TSUGANE, T., and KUROSAWA, T. Chemical composition of Japanese tobacco leaves. VI. On the thickness and total alkaloid content of stem of the different stalk position and grade, and total alkaloid distribution in the stem. (Ja) *Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap.* 107:51-56. 1965. 385 J273
English summary.
- 53771 NAVARRO, S. Preliminaries of the study of plant proteins by means of paper electrophoresis. (Sp) *Cent. Edafol. Biol. Apl. Segura. Mem.* 1961-62:9-11. 1964. 56.9 C332
From Ponencias y trabajos de la II Asamblea Nacional de Farmaceuticos Titulares, 1962.
- 53772 NEISH, A. C. Coumarins, phenylpropanes, and lignin. In Bonner, J., and Varner, J. E., ed *Plant biochemistry*, p.581-617. Ref. 1965. QK861.B6
- 53773 NEUMANN, D., and SCHROTER, H. B. N-methylornithine as precursor of the pyrrolidine ring in tropane alkaloids. (Ge) *Tetrahedron Lett.* 12:1273-1278. Mar. 1966. 385 T29
Datura stramonium.
- 53774 NORTHCOTE, D. H., and PICKETT-HEAPS, J. D. A function of the Golgi apparatus in polysaccharide synthesis and transport in the root-sap cells of wheat. *Biochem. J.* 98(1):159-167. Ref. Jan. 1966. 382 B52
- 53775 NOVAK, E. K., and others. Oligosaccharide decomposition by *Procandida stellatoidea* (Jones et Martin) Novak et Zsolt. *Acta Biol.* 16(2):137-140. 1965. 475 Ac85
F. Kevei, B. Olah, and J. Zsolt, joint authors.
- 53776 OGAWA, T., OBATA, F., and SHIBATA, K. Two pigment proteins in spinach chloroplasts. *Biochim. Biophys. Acta* 112(2):223-234. Ref. Feb. 7, 1966. 381 B522
- 53777 OKADA, M., and HASUNUMA, M. Microbiological transformation of digitoxigenin by *Cunninghamella blakesleeana*. Formation of 7 beta-hydroxydigitoxigenin. (Ja) *Pharm. Soc. Jap. J.* 86(1):67-68. Jan. 1966. 396.9 P49
English summary.
- 53778 OLIVE, J. H. Seasonal variations in distribution of C-14 in extracts of phytoplankton, Hodgson Lake, Portage County, Ohio. Diss. Abs. 26(9):5516. Mar. 1966. 241.8 M58
- 53779 ORTWERTH, B. J. Studies on the induction of triosephosphate dehydrogenase in higher plants. Diss. Abs. 26(9):5016. Mar. 1966. 241.8 M58
- 53780 PACKTER, N. M. Studies on the biosynthesis of phenols in fungi; conversion of [¹⁴C]orsellinic acid and [¹⁴C]orcinol into fumigatol by *Aspergillus fumigatus* I.M.I. 89353. *Biochem. J.* 98(2):353-359. Ref. Feb. 1966. 382 B52
- 53781 PARIS, R. R., and ETCHEPARE, S. Blackening of leaves and fruits of *Thevetia peruviana* Pers.: isolation of a chromogen identified as aucuboside. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(11):1239-1241. Mar. 14, 1966. 505 P21
- 53782 PARSHIKOV, V. N., and MAKSIMOV, V. O. Determination of amino acids using paper chromatography. (Ukr) *Ukr. Bot. Zhur.* 21(6):81-92. Ref. 1964. 450 J8212J
- 53783 PATSCHKE, L., and GRISEBACH, H. Biogenesis of flavonoids. X. On the moment of hydroxylation in the B ring. (Ge) *Z. Naturforsch.* 20b(11):1039-1042. Ref. Nov. 1965. 474 Z3
English summary.
Buckwheat seedlings.
- 53784 PEIVE, YA. W. Microelements and biochemistry of molecular nitrogen fixation and of nitrates reduction in plants. (Rus) *Agrokhimiya* 7:3-18. Ref. July 1964. 385 Ag89
- 53785 PERDRIZET, E., and others. Variation of metabolism of free amino acids in the chlorophyll mutants of the spring wheat. (Fr) *Acad. Sci. Compt. Rend.* 261(16):3189-3192. Oct. 18, 1965. 505 P21
P. Dameron, J. Gillot, P. Dommergues, and C. Martin, joint authors.
- 53786 PERLEY, J. E. The role of tryptamine in indole metabolism. Diss. Abs. 26(8):4217. Feb. 1966. 241.8 M58
Plants.
- 53787 PETROCHENKO, U. A. Dynamics of the activity and quality of catalase of corn pollen. (Ukr) *Ukr. Bot. Zhur.* 21(4):11-15. Ref. 1964. 450 J8212J
English summary.
- 53788 PFEIFER, S. Alkaloids of the genus *Papaver*. (Ge) *Pharm. Zeitung* 111(3):463-468. Ref. Mar. 31, 1966. 396.8 P496
- 53789 PHIPPS, J. The full grown tobacco plant: demonstration and distribution of its auxin-oxidase system. (Fr) *Acad. Sci. Compt. Rend.* 261(19):3864-3867. Nov. 8, 1965. 505 P21
Includes tests with *Nictiana glutinosa*.

- 53790 PILET, P. E., and ATHANASIADES-MERCANTON, M. Transamination activity in the roots of *Lens culinaris*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1090-1093. Ref. Mar.7,1966. 505 P21
- 53791 PLESHKOV, B. P. Biokhimiya sel'skokhozyaistvennykh rastenii [Biochemistry of agricultural plants]. Moskva, Kolos, 1965. 447 p. Ref. QK865.P55
- 53792 POHL, P. Über die Mikro-Analyse von ungesättigten Fettsäuren in marinen rotbraun- und grün-Algen [On microanalysis of unsaturated fatty acids in red, brown, and green marine algae]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss.] 27,126 p. 1965. 509 M923
Bibliography, p.113-126.
- 53793 POUTEAU-THOUVENOT, M., and BARBIER, M. Isolation and identification of lycomarasmine, phytotoxin from *Fusarium oxysporum* f. melonis. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):710-711. Feb.7,1966. 505 P21
- 53794 PRZYBYLSKA, J., and PAWELKIEWICZ, J. O-oxalylhomoserine, a new homoserine derivative in young pods of *Lathyrus sativus*. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(6):327-329. 1965. 512 W262
- 53795 PUJARNISCLE, S., and RIBAILLIER, D. Preliminary study of latex luteoids and their probable participation in the biosynthesis of rubber. (Fr) Rev. Gen. Caoutchouc Plast. 43(2):226-228. Ref. Feb.1966. 306.8 R32
English summary, p.141.
- 53796 PUJARNISCLE, S. Preliminary study on the enzyme activity of luteoids of latex in *Hevea brasiliensis*: distribution of phosphatase acid, glucosidase, beta- and cathepsin in latex. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):923-925. Feb.21,1966. 505 P21
- 53797 PUNYARAJUN, S. Chemical investigation of *Asclepias tuberosa*. Diss. Abs. 26(3):1361. Sept.1965. 241.8 M58
- 53798 PYRINA, I. L., and FEOKTISTOVA, O. I. The role of blue-green algae in the production of organic substances in reservoirs. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:42-46. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):37. Oct.1965. 241.7 R25
- 53799 RADUNZ, A. Isolation of the delta 7,10,13-hexa-decatrienoic acid from spinach leaves. (Ge) Hoppe-Seyler's Z. Physiol. Chem. 343(4/6):294-296. Ref. 1966. 384 Z38
English summary.
- 53800 RANSON, S. L. The plant acids. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.493-525. Ref. 1965. QK861.B6
- 53801 REICHSTEIN, T. Chemical races in *Acokanthera*. (Ge) Planta Med. 13(4):382-399. Ref. Nov.1965. 450 P697
English summary.
Used by natives to prepare arrow poisons.
- 53802 BRIESKORN, C. H. Results of triterpene research. (Ge) Planta Med. 13(4):400-411. Ref. Nov.1965. 450 P697
English summary.
In plants.
- 53803 REISCH, J., SCHANTZ, E., and QADRY, S. M. J. S. Transtridecen-(2)-al-(1), the odor determining component of coriander in the vegetative stage. (Ge) Naturwissenschaften 52(23):642. Dec.1,1965. 474 N213
- 53804 RICHARDS, J. H. Alkaloid biogenesis. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.526-551. Ref. 1965. QK861.B6
- 53805 RICHARDS, W. R., and RAPPOPORT, H. The biosynthesis of *Chlorobium chlorophylls*-660. Biochemistry 5(3):1079-1089. Ref. Mar.1966. 381 B523
- 53806 ROBERTS, K. D., WEISS, E., and REICHSTEIN, T. Glycosides and aglycons. 272. Cardenolides of the seeds of *Mallotus paniculatus* Mull.-Arg. (Euphorbiaceae). (Ge) Helv. Chim. Acta 49(fasc.Emile Cherbuliez):316-329. Ref. Jan.22,1966. 385 H36
- 53807 ROMEIKE, A. Hygrine, the chief alkaloid in *Nicandra physaloides* roots. (Ge) Naturwissenschaften 52(22):619. Nov.15,1965. 474 N213
- 53808 ROW, L. R., and RUKMINI, C. Chemistry of saponins. I. Saponin of *Sapindus mukorossi* Gaertn. Indian J. Chem. 4(1):36-38. Ref. Jan. 1966. 385 In294
- 53809 ROWAN, K. S. Phosphorus metabolism in plants. Int. Rev. Cytol. 19:301-390. Ref., p.374-390. 1966. 442.8 In82
- 53810 RUSSELL, G. B. The routine measurement of lipid-bound sulfoquinovose in plants. Anal. Biochem. 14(2):205-214. Ref. Feb.1966. 381 An13
- 53811 SAMUELSSON, G. Toxic proteins in plants of the Loranthaceae. (Ge) Planta Med. 13(4):453-456. Nov.1965. 450 P697
English summary.
- 53812 SANDERMANN, W., and BRUNS, K. Biogenesis of carvone in *Anethum graveolens* L. (Ge) Planta Med. 13(4):364-368. Nov.1965. 450 P697
English summary.
Studied with C14.
- 53813 SANDERSON, G. W. 5-dehydroshikimate reductase in the tea plant (*Camellia sinensis* L.). Biochem. J. 98(1):248-252. Ref. Jan.1966. 382 B52
- 53814 SASAKA, K., KITO, M., and ONISHI, Y. Some properties of the theanine synthesizing enzyme in tea seedlings. Agr. Biol. Chem. 29(11):984-988. Nov.1965. 385 Ag8B
- 53815 SAVINOV, B. G., and PROTSENKO, L. D. Chromatographic investigation of carotin pigments of squash, mountainash, and sea buckthorn [*Hippophae rhamnoides*]. 18 p. Ref. Transl. 15389
Translation from Ukrainskii Khimicheskii Zhurnal 20(4):399-407. 1954.
- 53816 SCHANTZ, M. VON. The composition of the ethereal oils in various *Picea* species. (Ge) Planta Med. 13(4):369-381. Nov.1965. 450 P697
English summary.
- 53817 SCHANTZ, R., and MOISSENOT, R. Site of incorporation of carbon atoms of proline into the chlorophyll molecule in *Chlorella pyrenoidosa*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):650-652. Feb.7,1966. 505 P21
- 53818 SCHANTZ, R., SALAUN, J. P., and DURANTON, H. Variations of free amino acid content in the leaves of some chlorophyllous mutants of barley. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1246-1249. Mar.14,1966. 505 P21
- 53819 SCHNEIDER, E. F. Changes in free amino acids in the leaves of *Ilex crenata* nigra during hardening off and storage at low temperatures. Amer. Soc. Hort. Sci. Proc. 86:731-740. Ref. June 1965. 81 Sol2
Tests with rooted cuttings.
- 53820 SCHNEIDER, G. Distribution of dictamnine and gamma-fagarine in *Ruta graveolens* L. (Ge) Planta Med. 13(4):425-430. Ref. Nov.1965. 450 P697
English summary.
- 53821 SCHRAUDOLF, H., and BERGMANN, F. Metabolism of indole derivatives in *Sinapis alba* L. II. Investigation of the biogenesis and metabolism of indole glucosinolates with the aid of ring-labelled C14-tryptophane and S35-sulphate. (Ge) Planta 67(1):75-95. Ref. 1965. 450 P693
English summary.
Mustard oil glucosides, glucobrassicin and neoglucobrassicin (glucosinolates).
- 53822 SCHROTER, H. B., and NEUMANN, D. N-methylornithine as precursor of the pyrrolidine ring in nicotine. (Ge) Tetrahedron Lett. 12:1279-1283. Mar.1966. 385 T29
Tobacco.

- 53823 SCHWEIGER, H. G. Activity of ribonuclease in *Acetabularia*. (Ge) *Planta* 68(3):247-255. Ref. 1966. 450 P693
English summary.
Acetabularia mediterranea, *A. crenulata*, and *Polyphysa cliftonii*.
- 53824 SCHWENCKE, J. Galactose transport system in *Saccharomyces chevalieri*. Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:75-80. Ref. 1964, pub. 1965. 173 At7Pi
- 53825 SERRES, M. DE., and BRUNEL-CAPELLE, G. Arginase: its presence in hyacinth *Innocence* and the variations of its activity from the start of vegetation period through fructification. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1098-1101. Mar.7, 1966. 505 P21
- 53826 SHARON, N. Distribution of amino sugars in microorganisms, plants, and invertebrates. In Jeanloz, R. W., and Balazs, E. A., ed. The amino sugars, the chemistry and biology of compounds containing amino sugars, v.2A, p.1-45. 1965. QP701.J4
Includes insects.
- 53827 SHIGHI, H., and HACKETT, D. P. A possible role for cytochrome b-555 in the mung bean mitochondrial electron transport system. *J. Biochem.* 59(1):84-88. Ref. Jan. 1966. 385 J822
- 53828 SINGH, N., BAJWA, G. S., and SINGH, M. G. Diterpene alkaloids: isolation & study of two new alkaloids from *Aconitum falconeri* Staff. *Indian J. Chem.* 4(1):39-42. Jan. 1966. 385 In294
- 53829 SINGH, P. Studies on the enzyme sucrase as secreted by the conidia of *Colletotrichum falcatum* Went. *Phytopathol. Z.* 54(1):79-86. Ref. Sept. 1965. 464.8 P562
- 53830 SIFENKO, L. A. Pigmentary and fermentative systems in blue-green algae. (Uk) *Ukr. Bot. Zhur.* 21(5):3-17. Ref. 1964. 450 J8212J
- 53831 SOSA, F., and PERCHERON, F. Isolation and identification of quercetol-3 sophoroside in the pollen of *Alnus cordata* Desf. (Fr) *Acad. Sci. Compt. Rend.* 261(21):4544-4546. Nov. 22, 1965. 505 P21
- 53832 SPRECHER, E. Conversion of native and supplied terpenoids by fungi. (Ge) *Planta Med.* 13(4):418-424. Ref. Nov. 1965. 450 P697
English summary.
Ceratocystis, *Penicillium*, and *Fusarium* spp.
- 53833 STERMITZ, F. R., CHEN, L., and WHITE, J. I. Alkaloids of the Papaveraceae. II. Coulteropine and romneine—new alkaloids from *Romneya coulteri*. *Tetrahedron* 22(3):1095-1102. Ref. Mar. 1966. 382 T29
- 53834 STERMITZ, F. R., and SEIBER, J. N. Alkaloids of the Papaveraceae. III. The synthesis and structure of norargemonine. *Tetrahedron Lett.* 11:1177-1183. Mar. 1966. 385 T29
- 53835 STICHER, H., and BACH, R. Silica and plant. (Ge) *Schweiz. Landwirt. Forsch.* 4(4):352-359. Ref. 1965. 17 Sch99
English summary.
In plants.
- 53836 STOUT, E. R. Hydroxyproline biosynthesis in higher plants. *Diss. Abs.* 26(3):1330. Sept. 1965. 241.8 M58
Corn and soybeans.
- 53837 STUMPF, P. K. Lipid metabolism. In Bonner, J., and Varner, J. E., ed. *Plant biochemistry*, p.322-345. Ref. 1965. QK861.B6
- 53838 SU, Y. C., and LIN, S. J. Studies on yeast RNA. I. Relations between sugar materials and the RNA content of yeasts. (Ch) *Chinese Agr. Chem. Soc. J.* 3(3/4):79-84. Ref. Oct. 1965. 385 C47
English summary.
- 53839 SWAIN, T. The tannins. In Bonner, J., and Varner, J. E., ed. *Plant biochemistry*, p.552-580. Ref. 1965. QK861.B6
- 53840 SYKUT, A. Carotenoids in the pollen of Indian cress (*Tropaeolum majus*). *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(5):257-263. Ref. 1965. 512 W262
- 53841 SZCZEPANSKI, A. Deciduous leaves as a source of organic matter in lakes. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(4):215-217. 1965. 512 W262
- 53842 TAKEDA, K., and others. Components of the root of *Lindera strychnifolia* Vill. XI. *Tetrahedron* 22(3):1159-1167. Ref. Mar. 1966. 382 T29
M. Ikuta, M. Miyawaki, and K. Tori, joint authors.
- 53843 TAMURA, S., and CHANG, C. F. Isolation of L-phenyllactic acid as a plant growth-regulator produced by *Exobasidium*. *Agr. Biol. Chem.* 29(11):1061-1062. Nov. 1965. 385 Ag8B
- 53844 THIEME, H. The phenol glycosides of *Salicaceae*. (Ge) *Planta Med.* 13(4):431-438. Nov. 1965. 450 P697
English summary.
- 53845 THIES, P. W., and FUNKE, S. On the effective substances of valerian. 1-2. (Ge) *Tetrahedron Lett.* 11:1155-1170. Mar. 1966. 385 T29
Isovalerianic acid esters from *Valeriana* and *Kentranthus* species and their composition.
- 53846 THONET, E., and HOFFMANN-OSTENHOF, O. On the meso-inositol oxygenase from the yeast fungus *Schwanniomyces occidentalis*. (Ge) *Monatsh. Chem.* 97(1):107-114. 1966. 384 M74
English summary.
- 53847 TIZIO, R. Presence of kinin in the periderm of tubercles of the potato. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(8):868-869. Feb. 21, 1966. 505 P21
- 53848 TORRONTGUI, G. DE, PALACIAN, E., and LOSADA, M. Phosphoenolpyruvate carboxykinase in gluconeogenesis and its repression by hexoses in yeasts. *Biochem. Biophys. Res. Commun.* 22(2):227-231. Jan. 24, 1966. 442.8 B5236
Rhodotorula glutinis and *Hansenula anomala*.
- 53849 TSCHESCHE, R., SCHWANG, H., and LEGLER, G. Components of *Jaborosa integrifolia* Lam. I. Isolation and chemical characterization of jaborosalactone A and B. (Ge) *Tetrahedron* 22(3):1121-1127. Ref. Mar. 1966. 382 T29
English summary.
- 53850 TSUSUE, Y., and YAMAKAWA, T. Chemical structure of oligosaccharides in the blue-green alga, *Tolypothrix tenuis*. *J. Biochem.* 58(6):587-594. Ref. Dec. 1965. 385 J822
- 53851 TUDOSIE, A. D., MOLEAVIN, V., and BATLICENCO, I. Improved method of determination of starches in the stems of grapes. (Rum) *Gradina Via Livada* 14(8):30-35. Aug. 1965. 80 G75
- 53852 TURSCH, B., and others. Triterpenes. II. The sapogenins J and L of *Stryphnodendron coriaceum*. (Fr) *Soc. Chim. Belg. Bull.* 75(1/2):26-28. Jan./Feb. 1966. 385 B41
D. Daloze, E. Tursch, and G. Chiurdoglu, joint authors.
English summary.
- 53853 TURSCH, B., and others. Triterpenes. III. Sapogenin K from *Stryphnodendron coriaceum*. (Fr) *Soc. Chim. Belg. Bull.* 75(1/2):127-128. Jan./Feb. 1966. 385 B41
E. Tursch, D. Daloze, and G. Chiurdoglu, joint authors.
- 53854 UMEBAYASHI, M. Aminoacylase in soybean seeds. 1. (Ja) *Mie Univ. Fac. Agr. Bull.* 31:167-171. Ref. Mar. 1965. 107.6 T78
English summary.
- 53855 URIBE, E. G. A study on the biosynthesis of dhurrin in *Sorghum vulgare*. *Diss. Abs.* 26(8):4221. Feb. 1966. 241.8 M58
- 53856 VAGUJFALVI, D. Formation of steroid glycoalkaloids in plants. (Hu) *Herba Hung.* 4(1):170-184. Ref. 1965. 71.8 H413
Review of the literature.

- 53857 VARNER, J. E. Enzymes. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.14-20. Ref. 1965. QK861.B6
- 53858 VARNER, J. E. Enzymology. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.189-212. Ref. 1965. QK861.B6
- 53859 VELEMINSKY, J., and ROBBELEN, G. Relations between chlorophyll content and chloroplast fine structure in chlorina mutant of *Arabidopsis thaliana* (L.) Heynh. (Ge) *Planta* 68 (1):15-35. Ref. 1966. 450 P693
English summary.
- 53860 VERZAR-PETRI, G. Formation of the alkaloid spectrum of therapeutically important *Datura* species during ontogenesis. *Acta Biol.* 16(2): 141-154. Ref. 1965. 475 Ac85
- 53861 WANG, T. S. T. The synthesis of spiroindole-nine and azepinoindole compounds structurally related to Iboga and Vinca rosea alkaloids. *Diss. Abs.* 26(3):1361. Sept.1965. 241.8 M58
- 53862 WARTBURG, A. VON. The cardiac glycosides of the red sea onion (*Scilla maritima*): scillitribroside. 54th report on cardiac glycosides. (Ge) *Helv. Chim. Acta* 49(fasc.Emile Cherbuliez):30-42. Ref. Jan.22,1966. 385 H36
- 53863 WEINGES, K., and SEILER, D. Isolation and constitution of a structural isomeric chlorogenic acid from the pods of *Gleditsia triacanthos*. (Ge) *Justus Liebig's Ann. Chem.* 691: 181-185. 1966. 384 An7
- 53864 WEIS, J. S. A study of naturally occurring auxins in autonomous tobacco callus tissue. *Diss. Abs.* 26(3):1310. Sept.1965. 241.8 M58
- 53865 WHITE, D., and KLEIN, H. P. Effects of alpha-glycerophosphate and of palmitoylcoenzyme A on lipid synthesis in yeast extracts. *J. Bacteriol.* 91(3):1218-1223. Ref. Mar.1966. 448.3 J82
- 53866 WILKEN, L. O. A phytochemical investigation and pharmacologic evaluation of *Carya illinoensis* (Wangh.) K. Koch. *Diss. Abs.* 26(8): 4591. Feb.1966. 241.8 M58
- 53867 WINESTOCK, C. H., and PLAUT, G. W. E. The biosynthesis of coenzymes. In Bonner, J., and Varner, J. E., ed. Plant biochemistry, p.391-437. Ref. 1965. QK861.B6
Bibliography, p.429-437.
- 53868 WROLSTAD, R. E. Studies on the terpene hydrocarbons of *Piper nigrum*. *Diss. Abs.* 26(3): 1334. Sept.1965. 241.8 M58
- 53869 YAMAMOTO, T. Amount of nutrients in the leaves and growth of trees. Inorganic components in the leaves of white birch trees (*Betula platyphylla* var. *japonica*). (Ja) *Jap. Forest Exp. Sta. Bull.* 182:43-65. Ref. Oct.1965. 99.8 R47
English summary.
- 53870 YOO, B. Y. Changes in nucleic acid content and distribution during cotton embryogenesis. *Diss. Abs.* 26(3):1311. Sept.1965. 241.8 M58
- 53871 ZELDIN, M. H. Changes in amylase activity during the life cycle of *Physarum polycephalum*. *Diss. Abs.* 26(3):1334-1335. Sept.1965. 241.8 M58
- 53872 ZETSCHKE, K. Demonstration of enzymes of the galactose metabolism in the green alga *Acetabularia mediterranea*. (Ge) *Planta* 68(3): 240-246. Ref. 1966. 450 P693
English summary.
- 53873 ZHUKOVA, G. YA. On the qualitative composition of pigments of plastids of green embryos of *Vicia faba* L.: qualitative composition of xanthophylls. (Rus) *Bot. Zhur. [Moscow]* 50 (11):1601-1602. Nov.1965. 451 R923
- 53874 ZWAVING, J. H. Separation and isolation of the anthraquinone glycoside of *Rheum palmatum*. (Ge) *Planta Med.* 13(4):474-484. Ref. Nov. 1965. 450 P697
English summary.

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 53875 AKERBERG, E. News regarding the activity of the Swedish Seed Association [Sveriges Utsadesforening]. (Sw) *Sveriges Utsadesforen. Tidskr.* 75(6):395-403. 1965. 61.9 Sv23
English summary.
Field crop breeding.
- 53876 AUER, L. W., HEADY, E. O., and CONKLIN, F. Influence of "crop technology" on yields. *Iowa Farm Sci.* 20(9):13-16. Mar.1966. 275.28 Io94
Variety improvement, rates of fertilizer application, regional specialization; 7 major field crops.
- 53877 BELSHAW, D. G., and HALL, M. The practical use of agricultural research results; experiences in African developing countries. (Ge) *Z. Ausländische Landwirt.* 4(3):218-243. Aug. 1965. 281.8 Z32
English summary.
In agronomy and animal husbandry.
- 53878 BORNHOLMS LANDOKONOMISKE FORENING. PLANTEAVLSUDVALGET. Planteavl pa Bornholm [Crop culture at Bornholm], by A. Juel-Nielsen and F. Christensen, v. 51, 1965. Ronne, 1966. 41 p. 11 B64
- 53879 DAN, A. Cultural practices of summer on the plots of field crops grown for seeds. (Rum) *Probl. Agr. [Bucharest]* 17(7):60-68. July 1965. 21 R862
- 53880 DANJO, T., and INOSAKA, M. Some studies on the cultivation of tropical and subtropical crops in the warm region of Japan. (Ja) Miyazaki. *Univ. Fac. Agr. Bull.* 11(1/2):189-205. Dec. 1965. 22.5 M6932B
English summary.
Field crops.
- 53881 DELAWARE. UNIVERSITY. COLLEGE OF AGRICULTURAL SCIENCES. SUBSTATION DIV. Progress through research, 1965 report. Georgetown, 1965. 49 p. 276 D3732
Field and horticultural research and poultry management and disease research.
- 53882 EBELTOFT, D. C., CARTER, J. F., and JENDRO, M. The agronomy seed farm at Casselton—a biennial report. *N. Dak. Farm Res.* 24 (2):16-20. Nov./Dec.1965. 100 N813B
- 53883 EGEDE, K. Seed harvesting. (Da) *Tolvmands-bladet* 37(6):305-307. June 1965. 11 T58
- 53884 GARRETT, R. E. Synchronous thinning of plants. *Amer. Soc. Agr. Eng. Pap.* 655, 10 p. 1965. 290.9 Am32P
- 53885 HOOGERKAMP, M. Ontwatering van rivierklei. Resultaten van het grondwaterstandsproefveld CI 1300 te Kerkwijk. [Drainage of river clay. Results from the groundwater level experimental field CI 1300 at Kerkwijk]. (Ge) Wageningen. Proefsta. Akker-Weidebouw. Meded. 116, 104 p. 1965. 64.9 W122
Field crop yields.
- 53886 HOSHI, M. The progress of American farming practices. (Ja) *Quart. J. Agr. Econ.* 20(1):1-56. Jan.1966. 22.5 N687
Chiefly crop rotation.
- 53887 LIU, S. The first all-China crop rotation symposium. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:116-119. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 9:833-834. 1964.
Issued by CFSTI.
- 53888 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Annual progress report, Red River Valley Agricultural Experiment Station, Bossier City, 1965. 64 p., map. 100 L9333
Agronomy.

- 53889 MINSK, BELORUSSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZEMLEDELIYA. Zemledelie i rastenievodstvo v BSSR; sbornik nauchnykh trudov [Agronomy and plant breeding in Belorussian SSR; collection of scientific works]. Minsk, Urozhai, 1964. 302 p. 64 M663
Field crops.
- 53890 NETHERLANDS. RIJKSCOMMISSIE VOOR DE SAMENSTELLING VAN DE RASSENLIJST VOOR LANDBOUWGEWASSEN. 41e beschrijvende rassenlijst voor landbouwgewassen met bijlagen [41st descriptive list of varieties of field crops, with supplements], 1966. Wageningen, 1966. 336 p. 105.2 W1222
- 53891 OHNESORGE, M. One-sided grain production in East England. (Ge) Mitt. Deut. Landwirt.-Ges. 81(8):302-305. Feb.24,1966. 18 N39
Rotation of crops.
- 53892 RADET FOR JORDBRUKSFORSOK. Oversikt over Forsoksvirksomheten i jord- og plantekultur [Annual report on research activities on soil and plant culture]. Oslo, 1965. 83 p. 64.9 N83
Field crop culture.
- 53893 RIVERA M., M., and PORRAS H., H. Preliminary recommendations for agricultural research for the Northeast of Chihuahua. (Sp) Panagra 2(29):28-31. Jan.1,1964. 8 P196
Agronomy.
- 53894 ROGERS, H. V. 1966 spring planting schedule, major South Carolina field crops. Clemson Univ. Ext. Inform. Card 107, rev., chart. Jan. 1966. 275.29 So8I
- 53895 VAVILOV, N. I. Izbrannye trudy v pyati tomakh. 5. Problemy proiskhozhdeniya, geografii, genetiki, seleksii rastenii, rastenievodstva i agronomii [Selected works in five volumes. 5. Problems of origin, geography, genetics, selection, culture and agronomy]. Moskva, Nauka, 1965. 691 p., map. Ref. 64 V471
Field crops.
- Cereals
- 53896 ANDERSON, J. C., and ADAMS, M. V. Performance of corn hybrids in New Jersey in 1965. N. J. Agr. Exp. Sta. Circ. 602-C, 8 p. Apr.1966. 100 N46S
- 53897 AUFHAMMER, G. Malting barley production of our time. (Ge) Brauwelt 106(12/13):169-171. Feb.10/15,1966. 390.8 B732
Culture.
- 53898 AUFHAMMER, G., FISCHBECK, G., and REINER, L. Yield and quality properties of leading malting barley varieties in the international malting barley investigations 1958-1963 in Bavaria. (Ge) Bayer. Landwirt. Jahrbuch 42 (4):387-409. 1965. 18 L24
- 53899 AURIAU, P., and MAAMOURI, A. Varietes de cereales recommandees pour chaque region de Tunisie [Varieties of grain recommended for each region in Tunisia]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 14, 21 p., map. Oct. 1965. 24 T839
- 53900 BAGANA, M. A. Cereal production in Turkey. (Fr) Mediterranee 6:102-107. Apr./June 1965. 281.8 M462
English summary.
Includes acreage.
- 53901 BARBA, L. DELLA. The forces of nature and technique. (It) Agr. Milan 14(9):294-295. Sept.1965. 16 C153
Wheat culture.
- 53902 BAUMAN, L. F., CRANE, P. L., and PURDY, J. 1965 performance trials of experimental dent corn hybrids. Ind. Agr. Exp. Sta. Res. Progr. Rep. 223, 28 p. Feb.1966. 100 In2Res
- 53903 BEER, C. E., and JOHNSON, H. P. Fifteen-year summary of corn yields from tile drainage experiment in Edina soils of Iowa. Amer. Soc. Agr. Eng. Pap. 725, 23 p. 1965. 290.9 Am32P
- 53904 BENOIST, C. Problems posed by wheat culture in the Paris Region. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1): 67-74. Jan.5/12,1966. 14 P215Bc
Includes discussion.
- 53905 BESNIER, F. Select seeds. (Sp) Tierra [Mexico] 20(6):448,494-495. (Cont.) June 1965. 8 T445
Corn selection in Mexico.
- 53906 BIRCH, E. B. Maize in the Eastern Cape—plant population and fertiliser recommendations. Farming S. Afr. 41(10):41-42. Jan.1966. 24 So842
- 53907 BOBEK, M. Varieties of spring grain. (Cz) Za Vysokou Urodu 14(1):10-11. Jan.12,1966. 64.8 Z12
As results of breeding.
- 53908 BOCKHOLT, A. J. Dwarf corn for Texas. Tex. Agr. Progr. 12(1):11. Winter 1966. 100 T31Te
- 53909 BORY, M. Making plan for rice production. (Hu) Magyar Mezogazdasag 21(6):14-15. Feb.9,1966. 19 M27
Suggestions for proper culture.
- 53910 BOVEY, R. W., and MCCARTY, M. K. Effect of preharvest desiccation on grain sorghum. Crop Sci. 5(6):523-526. Nov./Dec.1965. 64.8 C883
- 53911 BUDOI, G. Study of the application of herbicides, hoeings and fertilizers for corn for feed planted on stubble under irrigation conditions. (Rum) Probl. Agr. [Bucharest] 17(7):39-46. July 1965. 21 R862
English summary.
- 53912 CASTIGLIONI, N. V. Study for the increased production of French hard wheat. (It) Tec. Molitoria 16(10):147-149. May 30,1965. 298.8 Se42
Culture.
- 53913 CH'EN, Y. K. High yields of rice and climatic conditions. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 193:1-8. June 30,1965. (JPRS 30,881; TT 65-31387; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 4:304-307. Apr.1965.
- 53914 CRUMPACKER, D. W., and others. Performance tests of corn hybrids grown in various regions of Colorado in 1965. Colo. Agr. Exp. Sta. Gen. Ser. 835, 26 p. Mar.1966. 100 C71G
J. C. Swinbank, J. C. Hoff, J. F. Swink, and R. W. Sinclair, joint authors.
- 53915 DIAZ DEL PINO, A. Corn culture. (Sp) Tierra [Mexico] 20(6):452,496-498. (Cont.) June 1965. 8 T445
Mexico
- 53916 ENYI, B. A. C. Analysis of growth and yield of upland and swamp rice varieties under Nigerian conditions. Indian J. Agr. Sci. 35(3):216-233. Ref. Sept.1965. 22 Ag83I
Chiefly culture.
- 53917 FOOTE, W. H., and GROSS, A. E. Wocus barley. Crop Sci. 5(6):604. Nov./Dec.1965. 64.8 C883
- 53918 FREEMAN, W. H. The role of hybrid maize in increasing food production. Bharat Krishak Samaj. Year Book 1964:371-378. 22 B46
- 53919 FRIDECKY, A., and ZIGO, J. Thin sowing of wheat and its importance in various varieties. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:101-108. 1964. 281.9 N632
English summary.
- 53920 FRIEDMANN, K. J., and FARNSWORTH, H. C. Grains in German farming: past developments and prospects for 1970 and 1975. II. Food Res. Inst. Stud. 6(1):73-134, map. Ref. 1966. 389.8 F7382
Includes acreage.

- 53921 FURUCHI, T. Studies on the mechanical cultivation system of direct sowing of rice seed on paddy terraces. (Ja) Miyazaki Univ. Fac. Agr. Bull. 11(1/2):105-117. Dec.1965. 22.5 M6932B
English summary.
- 53922 GASPAR, I. Winter wheat varieties and lines tested at the Succava experimental station. (Rum) Probl. Agr. [Bucharest] 17(10):8-16. Oct.1965. 21 R862
English summary.
- 53923 HADDOX, T. E., ROSENOW, D. T., and MILLER, F. R. Performance of grain sorghum hybrids in the High Plains of Texas in 1965. Tex. Agr. Exp. Sta. Progr. Rep. PR-2407,13 p. Mar.14,1966. 100 T31P
Variety trials.
- 53924 HENDERSON, J. R., JONES, D. W., and STRAYER, J. R. Field corn production guide. Fla. Univ. Ext. Circ. 144C,12 p. Jan.1966. 275.29 F66C
- 53925 HIGGS, R. L., and others. The 1965 Iowa corn yield test. Iowa State Univ. Ext. Res. Bull. P-136,24 p.,map. Feb.1966. 100 Io9
C. D. Hutchcroft, F. D. Williams, and M. T. Hillson, joint authors.
Iowa Crop Improvement Association, and Iowa Agricultural Experiment Station, cooperating.
Varieties.
- 53926 HODGES, D. J. Cereal variety trials 1965. Agr. Northern Ireland 40(10):307-310. Feb. 1966. 256.13 Ag82M
Oats and barley.
- 53927 JENSEN, N. F. Multiline superiority in cereals. Crop Sci. 5(6):566-568. Nov./Dec.1965. 64.8 C883
Yield superiority of composites over the component lines; includes varieties.
- 53928 JENSEN, N. F. Niagara oats. Crop Sci. 5(6): 604. Nov./Dec.1965. 64.8 C883
- 53929 JOHNSON, J. W., ABBOTT, D. C., and SCHLEHUBER, A. M. Results of tests with Joseph E. Danne wheats; progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-527,13 p. Feb.1966. 100 Ok4M
- 53930 KISS, A. The tritiale. (Hu) Elovilag 10(4): 222-225. 1965. 410 EL6
- 53931 KOHLI, S. P., BAKSHI, J. S., and BAHL, P. N. N.P. 818, a new wheat for northern hills. Indian Farming 15(6):18. Sept.1965. 22 In283
- 53932 KOVACS, I. Some problems of the maintenance of inbred lines. (Hu) Noventermeles 15(1):53-66. Ref. Mar.1966. 64.8 N76
Corn.
- 53933 KOVATS, A., and SVAB, J. Yield analysis of wheat varieties in a polyfactoral experiment. (Hu) Noventermeles 15(1):67-74. Mar.1966. 64.8 N76
English summary.
- 53934 KUMAGAI, T., and others. A new oat variety "Honami." (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:40-50, map. Mar.1965. 107.6 H68
S. Tabata, M. Sasaki, T. Yamamoto, K. Goto, Y. Ishimaru, G. Miura, and M. Hayashi, joint authors.
English summary.
- 53935 LACEJ, H. Maize selection through inbred lines. (Al) Bul. Shkencave Bujqesore 4(3):3-25. Ref. 1965. 21.5 B87
English summary.
- 53936 LAGADINOVA STAIKOVA, E. Characteristics of the hybrids in F1 between Triticum durum and Triticale (2n=56). Bulgarska Akad. Nauk. Dokl. 18(4):385-388. 1965. 512 So2
- 53937 LANG, A. L. Where from here?. Better Crops Plant Food 49(6):21,45. Winter 1965/66. 6 B46
Corn growing outlook in the Corn Belt.
- 53938 LEBSOCK, K. L. Sentry wheat. Crop Sci. 5(6): 605. Nov./Dec.1965. 64.8 C883
- 53939 LEONARD, W. H., and others. Sorghum hybrid performance tests in Colorado, 1965. Colo. Agr. Exp. Sta. Gen. Ser. 832,14 p. Feb.1966. 100 C71G
H. O. Mann, J. Swink, and G. O. Hinze, joint authors.
- 53940 MALIANI, C. Corn. (It) G. Agr. 76(16):178. Apr.17,1966. 16 It1G
Culture.
- 53941 MALUCELLI, P. Experimentation on hybrid sorghums in Romagna. (It) Ann. Sperim. Agr. (n.s.)18(1/2):5-45. Ref. 1964,pub.1966. 16 An76
English summary.
- 53942 MARUYAMA, A., and others. A new paddy rice variety "Kotominori." (Ja) Okitsu, Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 13:119-127. Mar. 1965. 87 Ok322
T. Haga, T. Wada, O. Satokawa, and Y. Miura, joint authors.
English summary.
- 53943 MCMASTER, G. M., and LARSEN, D. C. Irrigation of spring wheat. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 22,4 p. Feb.1966. 275.29 Id13Idc
Chiefly culture.
- 53944 MCMULLAN, J. L., and PARISH, J. A. Oat variety trials, 1964. West. Australia. Dep. Agr. J. (ser.4)6(12):718-720. Dec.1965. 23 W52J
- 53945 MCMULLAN, J. L. Recommended barley varieties, 1966. West. Australia. Dep. Agr. J. (ser.4)6(12):715-715, map. Dec.1965. 23 W52J
- 53946 MCMULLAN, J. L. Recommended oat varieties, 1966. West. Australia. Dep. Agr. J. (ser.4)6(12):710-712, map. Dec.1965. 23 W52J
- 53947 MILLER, F. R., and ROSENOW, D. T. Sorghum a world food product. Tex. Agr. Progr. 12(1):4-6. Winter 1966. 100 T31Te
Chiefly breeding.
- 53948 MORALES GARCES, A. Hybrid wheat is very near. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 11(131):404,406,408,410-411. Nov.1965. 9 So17
Breeding.
- 53949 MUKADE, K., and others. Studies on the breeding of leaf-rust resistant varieties of wheat by the hybridization, interspecific or intergeneric. II. Cytogenetic considerations on the breeding procedure using the leaf-rust resistant-strain, FTF, derived from common wheat \times Triticum timopheevi as a cross parent. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 31: 73-81. Ref. Mar.1965. 107.6 M822
Y. Watanabe, K. Kokubun, and M. Kamio, joint authors.
English summary.
- 53950 MURPHY, H. J., and GOVEN, M. J. Spring barley variety trials—1965. Maine Farm Res. 13(4):9-10. Jan.1966. 100 M28Ma
- 53951 MURPHY, H. J., and GOVEN, M. J. Spring oat variety trials—1965. Maine Farm Res. 13(4): 7-8. Jan.1966. 100 M28Ma
- 53952 NAKAGAWA, M., and others. A new naked barley variety "Kikai-hadaka." (Ja) Okitsu. To-Kai-Kinki Nat. Agr. Exp. Sta. Bull. 12:103-121, map. Jan.1965. 87 Ok322
S. Watanabe, H. Gocho, and K. Nishio, joint authors.
English summary.
- 53953 NEVE VARGAS, J., RAMIREZ PAZ, F., and YEPIZ ROSAS, R. El cultivo del sorgo en el Valle del Yaqui [Sorghum culture in the Yaqui Valley]. (Sp) Cent. Invest. Agr. Noroeste. Circ. CIANO 18;12 p. Apr.1964. 8 C334
- 53954 NEW BRUNSWICK CORN AND CEREAL GRAIN COMMITTEE. Grain production in New Brunswick. n.p., 1965. 24 p. 59.9 N42
- 53955 NOUDEU, J. C. Originality in rice culture in Europe. (Fr) Mediterranee 9:63-67. Jan./Mar.1966. 281.8 M462

- 53956 PAL, B. P. Improvement of wheat in India. Bharat Krishak Samaj. Year Book 1964:317-370. 22 B46
Chiefly culture, varieties, and genetics.
- 53957 PALIWAL, R. L. Hybrid maize breeding in India. Bharat Krishak Samaj. Year Book 1964:379-389. 22 B46
- 53958 PATTERSON, F. L., and BITZER, M. J. Hybrid wheat research at Purdue University. Ind. Agr. Exp. Sta. Res. Progr. Rep. 222,4 p. Feb.1966. 100 In2Res
Includes genetics.
- 53959 PENDLETON, J. W., and PARDEE, W. D. How about narrow row corn? Farm Technol. 21(5):26-27. May 1965. 275.28 N213
- 53960 PEQUITO REBELLO, J. Wheat culture in furrows. (Sp) Agricultura [Madrid] 34(401):481-484. Sept.1965. 15 Ag84
- 53961 RAJKI, E., and RAJKI, S. Research work on hybrid wheat at Martonvasar. (Hu) Novenytermeles 15(1):5-20. Ref. Mar.1966. 64.8 N76
English summary.
- 53962 RICHHARIA, R. H. Rice: the staple food of millions. Bharat Krishak Samaj. Year Book 1964:283-315, map. 22 B46
Chiefly culture.
- 53963 ROGERS, H. V., and NOLAN, C. N. Plan to make high corn yields. Clemson Univ. Ext. Inform. Card 113,1 p. Mar.1966. 275.29 So8I
- 53964 ROSS, C. Recent data on the H.S. 50 male sterile hybrid amylomaize. (It) Aliment. Anim. 9(5):217-221. May 1965. 389.78 AL4
Optimal harvesting period and nutritive value.
- 53965 ROSS, W. M. Yield of grain sorghum (Sorghum vulgare Pers.) hybrids alone and in blends. Crop Sci. 5(6):593-594. Ref. Nov./Dec.1965. 64.8 C883
- 53966 ROSSMAN, E. C., and others. Michigan corn production; hybrids compared, 1966. Mich. State Univ. Ext. Bull. 431, rev., 11 p., map. Feb.1966. 275.29 M58B
B. M. Darling, J. Taylor, and A. Reese, joint authors.
- 53967 ROYLANCE, H. B. Growing premium quality malting barley. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 19,2 p. Feb.1966. 275.29 Id13Idc
- 53968 SANDERSON, E. E., and WOOD, L. S. Barley production in South Dakota. S. Dak. State Univ. Ext. FS 301,6 p.-folder. Feb.1966. 275.29 So85Fs
- 53969 SCARSBROOK, C. E., and COPE, J. T. Spacing and rates of nitrogen for corn. Ala. Agr. Exp. Sta. Circ. 152,8 p. Mar.1966. 100 AL1S
- 53970 SCHLEHUBER, A. M., and JOHNSON, J. W. Triumph 64 wheat. Crop Sci. 5(6):605. Nov./Dec.1965. 64.8 C883
- 53971 SHAW, A. F. Hypana barley. Mont. State Coll. Ext. Folder 84,5 p.-folder, map. Oct.1965. 275.29 M76FoL
- 53972 SHIBLES, R. M., LOVELY, W. G., and THOMPSON, H. E. For corn and soybeans, narrow rows. Iowa Farm Sci. 20(9):3-6. Mar.1966. 275.28 Io94
As affects yields.
- 53973 SOLOTAREV-NEKY, E. Ergebnisse der Getreideversuche des Jahres 1964-65 [Results of grain investigations of the year 1964-65]. Gumpenstein, Bundesanst. Alpenlandische Landwirt. Versergeb. 73,64 p. 1965. 19 Ad6V
Varietal tests.
- 53974 THURMAN, R. L., and JONES, J. P. Ora oats. Crop Sci. 5(6):604. Nov./Dec.1965. 64.8 C883
- 53975 TIXIER, P. Consideration on the "rice terraces" of the Igorot country (Philippines). (Fr) J. Agr. Trop. Bot. Appl. 12(11):519-526, map. Nov.1965. 26 J822
- 53976 TS'UI, C. Ten years' experience in high-yield rice culture and future prospects. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:1-10. Ref. Aug.16,1965. (JPRS 31564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 5:377-381. May 1965.
Issued by CFSTI.
- 53977 TURCANY, J. Planting of corn in the rotation of crops system. (Cz) Za Vysokou Urodu 14(1):14. Jan.12,1966. 64.8 Z12
- 53978 ULLERUP, B. Grain culture—local research and investigations 1965. (Da) Dansk Landbrug 85(3):67-69. Mar.1966. 280.28 V91
- 53979 UMALI, D. L. Possible research areas to improve agricultural productivity. Philippine Agr. 49(1):1-7. June 1965. 25 P542
Chiefly rice.
- 53980 UPADHYAYA, Y. M., and KELKAR, D. R. N.P. 40 finds favour with Malwa farmers. Indian Farming 15(6):16-17. Sept.1965. 22 In283
Wheat.
- 53981 UPADHYAYA, Y. M., NARULA, P. N., and POKHRYAL, S. C. N.P. 835 stays farmers' favourite. Indian Farming 15(6):19-20. Sept. 1965. 22 In283
Wheat.
- 53982 VAS'KOV, M. A. Planting density for corn. (Rus) Kazanskii Sel'skokhozyaistvennyi Institut. Trudy 44:53-64. 1964. 106 K183
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:18. July 1965. Film S-202
- 53983 VOROB'YEV, G. Sowing rice in the Kuban. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 111:6-12. Jan.25,1966. (JPRS 33,875; TT 66-30318; CSO 1840-S) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 5:13-14. Dec.1965.
- 53984 WAGNER, R. E., and GRIFFITH, W. K. Prescription for top corn yields. Hoard's Dairyman 111(7):429,468-470. Apr.10,1966. 44.8 H65
- 53985 WAGNER, S. Probelle, a new Swiss winter wheat. (Ge) Mitt. Schweiz. Landwirt. 13(8):137-140. Aug.1965. 17 M69
- 53986 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Recommended wheat varieties, 1966. West. Australia. Dep. Agr. J. (ser.4)6(11):638-639, map. Nov.1965. 23 W52J
- 53987 WICKE, H. J. On the value of grain as a preliminary crop for grain. (Ge) Albrecht-Thaer-Arch. 9(3):285-300. 1965. 18 AL1
English summary.
- 53988 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Oat varieties for 1966. Wis. Univ. Ext. Circ. 639,4 p. Jan.1966. 275.29 W75C
- 53989 YOSHIDA, Y., and others. A new wheat variety "Nichirin-komugi." (Ja) Kyushu Agr. Exp. Sta. Bull. 11(2):171-182, map. Aug.1965. 107.6 K996B
M. Tsuru, H. Fukuoka, T. Kiriyaama, K. I. Yoshitomi, Y. Ide, and I. Watanabe, joint authors.
English summary.
- 53990 ZIMMERMAN, M. Narrow-row corn. 1. Impl. Tractor 81(7):16-17. Mar.21,1966. 58.8 W41
Variety research and new method of planting to obtain higher yields.

Fiber Crops

- 53991 AKHMETOV, Z., and others. Planting in wide rows. (Rus) Khlopkovodstvo 2:22-24. Feb. 1966. 72.8 K522
K. Iskakov, D. Khanazarov, V. Antonov, B. Uralbaev, and A. Paradiev, joint authors.
Cotton.
- 53992 ALLEN, L. R. The 1965 cotton contest for higher quality and maximum yields. Clemson Univ. Ext. Circ. 467, rev., 23 p., map. Jan.1966. 275.29 So8E

- 53993 BRIDGE, R. R., MEREDITH, W. R., and CHISM, J. F. Mississippi cotton variety tests, Delta and Hill section, 1965. Miss. Agr. Exp. Sta. Bull. 720, 16 p. Jan. 1966. 100 M69
- 53994 DOUGLAS, A. G., and ADAMSON, W. C. Cross pollination techniques with cotton, *Gossypium hirsutum* L. Crop Sci. 5(6):598-599. Nov./Dec. 1965. 64.8 C883
- 53995 ELLIOTT, F. C. Keys to efficient cotton production. Tex. Agr. Progr. 12(1):15-18. Winter 1966. 100 T31Te
- 53996 GALITSINSKII, P. K., SAMOILOV, A. E., and BLAGODYR', A. P. Planting dates in Fergana Basin. (Rus) Khlopkovodstvo 2:16-20. Feb. 1966. 72.8 K522
Cotton.
- 53997 GANIEV, M. S., and others. Some results from the study of wide-row planting. (Rus) Khlopkovodstvo 2:37-41. Feb. 1966. 72.8 K522
P. N. Besedin, E. F. Dvortsov, F. A. Sokolov, M. S. Pak, A. N. Martynov, V. M. Nam, A. K. Kashkarov, and I. S. Davydov, joint authors.
Cotton.
- 53998 KAZANTSEV, I. A. Reestablishing previous methods in elite breeding. (Rus) Khlopkovodstvo 2:29-31. Feb. 1966. 72.8 K522
Cotton.
- 53999 KERR, T. The cotton plant. Amer. Cotton Handbook 1:26-43, map. 1965. 304 M55A
Culture and morphology.
- 54000 KISELEVA, A. G., and CHERNYSHEVA, S. P. Unjustified position. (Rus) Khlopkovodstvo 2:26-29. Feb. 1966. 72.8 K522
Critic of cotton breeding policies in USSR.
- 54001 KOMAROVSKII, A. The growing of fine-stapled cotton in Uzbekistan must be encouraged. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 116:10-14. Mar. 17, 1966. (JPRS 34,598; TT 66-31037) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 4:22. Jan. 1966.
- 54002 KUNDU, B. C. Jute—the golden fibre of India. Bharat Krishak Samaj. Year Book 1964:397-427. 22 B46
Culture and industry.
- 54003 MANNANOV, N. M., DUTKO, A. E., and SOKOLOV, F. A. Rotation of crops as method for increased yielding. (Rus) Khlopkovodstvo 2:6-10. Feb. 1966. 72.8 K522
Cotton.
- 54004 MARTIN, W. J. Harvesting and ginning. Amer. Cotton Handbook 1:82-109. 1965. 304 M55A
- 54005 ROGERS, H. V., and NOLAN, C. N. Produce top quality high yields in 1966. Clemson Univ. Ext. Cotton Leaflet. 1,6 p.-folder. Feb. 1966. 275.29 So86C
Cotton.
- 54006 SARMA, M. S., and BASU, N. C. Possibilities of flax cultivation in India. Jute Bull. 28(10):222-225. Jan. 1966. 73.38 In2
Includes varieties.
- 54007 SINGH, D. K. Intensive cultivation to achieve target. Jute Bull. 28(11/12):236-237, 240. Mar. 1966. 73.38 In2
- 54008 STONOV, L. D., and others. Butiphos as defoliant. (Rus) Khim. Sel'skom Khoz. 11:51-53. 1964. 385 K524
N. F. Zubkova, N. A. Grizinskaya, and I. L. Bogatyrev, joint authors.
Tested on cotton and broadbeans.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:30. July 1965. Film S-202
- 54009 STROMBLAD, F. History of flax culture. (Sw) Kronobergs Land Hushallningssallsk. Handl. (n.s.) 101:46-52. 1965. 11 K92
- 54010 WAGENINGEN, INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Vezelvlas [Fiber flax], 1966. Wageningen. Inst. Rassenonderzoek Landbouwgewassen. Ber. Rassenkeuze 384, 2 p. Feb. 1966. 64.9 W12
Varieties.
- 54011 ZIMMERMAN, M. Will cotton go "broadcast"? World Farming 7(7):10-12, 39. July 1965. 30.08 W89
Planting, culture and harvesting problems in random sowing of cotton.

Forage Crops and Grasses

- 54012 BADOUX, S. Morphological, physiological and agronomic characteristics of sainfoin populations (*Onobrychis* spp.). (Fr) Schweiz. Landwirtsch. Forsch. 4(2):111-190. Ref., p. 188-190. 1965. 17 Sch99
English summary.
- 54013 BALAN, C., and PATRASCOIU, F. Measures for the increase of alfalfa yields in the plains of Oltenia. (Rum) Probl. Agr. [Bucharest] 17(8):50-56. Aug. 1965. 21 R862
- 54014 BOER, J. DE. Grassland and its yield. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(10/11):521-524. Oct./Nov. 1965. 12 N383M
- 54015 BRONDEGAARD, V. J. The Jerusalem artichoke as forage plant and root crop. (Da) Tolvmandsbladet 37(7):358-362. July 1965. 11 T58
Culture.
- 54016 BURTON, G. W., and FORTSON, J. C. Lattice-square designs increase precision of pearl millet forage yield trials. Crop Sci. 5(6):595. Nov./Dec. 1965. 64.8 C883
- 54017 CEDELL, T. Treatment of grass seed fields in the fall. (Sw) Svensk Frotidn. 34(9):130-132. Sept. 15, 1965. 61.8 Sv2
- 54018 CHIKOV, P. Siberian river flood meadows as potential forage sources. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:25-27. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Sovetskaya Rossiya, Sept. 8, 1965:1.
- 54019 CROWDER, L. V. Alfalfa in the Tropics. (Sp) Agr. Trop. 21(7):377-384. July 1965. 26 Ag8
Culture.
- 54020 DERSCHIED, L. A., ROSS, J. G., and MOORE, R. A. Native grasses for pasture or hay. S. Dak. State Univ. Ext. FS 298, 4 p. Feb. 1966. 275.29 So85Fs
Culture.
- 54021 DERSCHIED, L. A., ROSS, J. G., and MOORE, R. A. Tame grasses for pasture or hay. S. Dak. State Univ. Ext. FS 299, 6 p.-folder. Feb. 1966. 275.29 So85Fs
Culture.
- 54022 DONNELLY, E. D. Serala sericea [Lespedeza]. Crop Sci. 5(6):605. Nov./Dec. 1965. 64.8 C883
- 54023 DONNELLY, E. D. Warrior vetch. Crop Sci. 5(6):605. Nov./Dec. 1965. 64.8 C883
- 54024 EDWARDS, P. J., and MAPPLEDORAM, B. D. Select the clover variety to suit your area. Farming S. Afr. 41(10):13, 15. Jan. 1966. 24 So842
Red and white clovers.
- 54025 EVANS, J. L., and others. Study harvest dates for forages in N. J. N. J. Agr. 47(5):11. Sept./Oct. 1965. 275.28 N46
J. Arroyo-Aguilu, M. W. Taylor, and C. H. Ramage, joint authors.
New Jersey.
- 54026 FELLETTI, G. Summer herbage. (It) Agr. Spezia 13(6):122-123. June 1965. 16 Ag8229
Corn and sorghum culture and varieties.
- 54027 FIORITO, G. More on the theme of new forages. (It) Agr. Napoletana 32(5/6):23-30. May/June 1965. 16 Ag8268
Corn and sorghum culture.
- 54028 GAEDE. Grassland management in the spring. (Ge) Unser Milchvieh 18(3):1-2. Mar. 1966. 43.8 Un7
- 54029 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Maize for fodder and silage. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 94, rev., 7 p. Dec. 1964. 10 G79La

- 54030 HARRISON, C.-M., and DAVIS, J. F. Reed canary grass for wet lowland areas of Michigan. Mich. State Univ. Ext. Bull. E-517, 4 p. Jan. 1966. 275.29 M58B
- 54031 HEWSON, R. Preparation of hay. (Sp) Rev. Cafetalera 48:26-28. Aug. 1965. 68.28 R322
Harvesting and drying of forage grasses in Guatemala.
- 54032 HOLT, E. C. Effects of cultural and management practices on Sudangrass [Sorghum sudanense (Piper)] performance. Tex. Agr. Exp. Sta. B-1045, 8 p. Dec. 1965. 100 T31S
- 54033 HOOGERKAMP, M. Prospects of the "universal" herbicide in the improvement of grassland. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(1):45-49. Jan. 1966. 12 N383M Paraquat.
- 54034 HURKENS, R. M. Varietal choice. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:6-9. 12 N3833J Forage plants.
- 54035 JEFFERIES, N. W., and NORRIS, J. J. Proper range management. Colo. Farm Home Res. 16(2):3, 7. Sept./Oct. 1965. 100 C712Co
Includes brush control.
- 54036 KANIZSAY, J., and NAGY, MRS. G. Vetch seed production. (Hu) Magyar Mezogazdasag 21(12):6-7. Mar. 23, 1966. 19 M27
- 54037 KATAYAMA, Y., and NAGATOMO, T. Cultivation of soiling crops after early planted paddy rice in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):142-149. Dec. 1965. 22.5 M6932B
English summary.
Forage plants.
- 54038 KERZEL, B. Through intensification measures to higher pasture yields. (Ge) Tierzuchter 18(6):172, 175-177. Mar. 20, 1966. 49 T445
- 54039 KOVACS, G., and TOTH, MRS. S. Problems of growing plants rich in protein on irrigated areas. (Hu) Iregszemcse. Delkeletdunantuli Mezogazdasagi Kiserleti Intezet. Kozlemenyek 5(1):71-78. 1965. 105.9 Ir2
English summary.
Chiefly on alfalfa culture.
- 54040 LECHNER, W., and NEUMANN, E. E. Contribution to the cultivation of permanent lupine on pleistocene sandy and sand superimposed loamy sites. (Ge) Sozialistische Forstwirtschaft. 16(1):11-16. Ref. Jan. 1966. 99.8 W143
English summary, inside back cover.
- 54041 LE HOUEROU, H. N. Les cultures fourrageres en Tunisie dans le cadre du plan quadriennal 1965/68 [Forage crops in Tunisia within the framework of the 1965/68 four year plan]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 13, 81 p. Oct. 1965. 24 T839
Bibliography, p. 72-81.
Cultural methods and production costs.
- 54042 LOZANO, M. J. Forages which cause a revolution; sorghum X Sudan hybrids. (Sp) Agr. Amer. 14(8):17-19, 57. Aug. 1965. 58.8 Ag832
- 54043 MALM, N. R., and others. Performance of sorghum hybrids, 1965. N. Mex. Agr. Exp. Sta. Res. Rep. 122, 21 p. Feb. 1966. 100 N465R
W. J. Russell, H. D. Jones, and C. E. Watson, joint authors.
- 54044 MCNEUR, A. J. Hill pastures can be transformed. New Zeal. J. Agr. 112(3):57, 59. Mar. 1966. 23 N48J
- 54045 MEHTA, R. K., and SWAMINATHAN, M. S. Pusa Giant berseem. Indian Farming 15(6):4-5. Sept. 1965. 22 In283
Culture.
- 54046 MIR RAGUE, R. M. Four very valuable forage plants. (Sp) Cult. Mod. 48(5):173-178. May 1965. 15 C89
Culture.
- 54047 MOLINE, W. J. An analysis of certain agronomic factors and laboratory evaluations associated with quality of first-cutting alfalfa. Diss. Abs. 26(9):4945. Mar. 1966. 241.8 M58
- 54048 MOVSIYANTS, A. P. Ispol'zovanie senokosov i pastbishch [Usage of meadows and pastures]. Moskva, Kolos, 1965. 280 p. Ref. SB199.M6
Chiefly management.
- 54049 MURAKAMI, K., and others. Varietal trials of ryegrass (Lolium sp.). (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:68-76. Mar. 1965. 107.6 H68
K. Kaneko, S. Kojima, and T. Sekijo, joint authors.
English summary.
- 54050 MURAKAMI, K., and others. Varietal trials on Timothy (Phleum pratense L.). (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:77-85. Mar. 1965. 107.6 H68
K. Kaneko, S. Kojima, and T. Sekijo, joint authors.
English summary.
- 54051 MURAKAMI, M. Studies on the breeding of genus Coix. X-XI. (Ja) Kyoto Prefect. Univ. Fac. Agr. Sci. Rep. 17:1-26. Ref. Sept. 1965. 22.5 K993
English summary.
- 54052 NAGHIU, V. A contribution to the breeding of horsebeans (Vicia faba [equina]). (Rum) Probl. Agr. [Bucharest] 17(8):32-39. Ref. Aug. 1965. 21 R862
English summary.
- 54053 NOONAN, J. B. Crop management. Milk Board J. 17(2):23, 25-27, 29. Feb. 1966. 44.8 M5934
Forage plant culture, includes pests.
- 54054 NORMAN, M. J. T. Post-establishment grazing management of Townsville lucerne [Stylosanthes humilis] on uncleared land at Katherine, N.T. Australian Inst. Agr. Sci. J. 31(4):311-313. Dec. 1965. 23 Au74
- 54055 OSTROWSKI, H. Tropical pastures for the Brisbane district. Queensland Agr. J. 92(2):106-118. Feb. 1966. 23 Q33
Culture and management.
- 54056 POLI, E. F. For the planting of forced meadows. (It) Agr. Milan. 14(9):305-306. Sept. 1965. 16 C153
- 54057 POTUSHANSKII, V. A. Effectiveness of fallowing in growing of legumes in Ulyanovsk Region. (Rus) Mezhvuzovaya Nauchnaya Konferentsiya po Raionirovaniyu i Prieman Vozdelyvaniya Zernobobovykh Kul'tur na Vostoke Lesostepnoi Polosy. Turdy 1963:78-88. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:11-12. July 1965. Film S-202
- 54058 POZO IBANEZ, M. DEL. Improvement of some annual cultivated forages. (Sp) Agricultura [Madrid] 34(397):241-246. May 1965. 15 Ag84
- 54059 RAO, S. M., and RAMALINGAM, C. Studies on grasses with particular reference to their winter fodder production in the Nilgiris. Madras Agr. J. 52(6):271-274. June 1965. 22 M262
Yields.
- 54060 RATKEVICH, S. I. Problems in agrotechnique of cultivated pastures under condition of forest-steppe zone of Transural. (Rus) Ural'skii Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva. Trudy 5:154-180. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:46. July 1965. Film S-202
- 54061 RIBEIRO, F. Planted pastures in the Alentejo dryland. (Por) Granja [Lisboa] 24(1/2):29-31. Jan./June 1965. 15.5 G76
- 54062 ROGERS, H. H., and LAZENBY, A. The evaluation of grasses in micro plots. J. Agr. Sci. [London] 66(1):147-151. Feb. 1966. 10 J822
Breeding in Great Britain.
- 54063 ROMBALDI, G. P. Autumn-spring herbage in the hills. (It) Avvenire Agr. 73(8):197-200. Aug. 1965. 16 Av9
- 54064 SCHWEIZER, E. W. Considerations on forage culture in spring 1966. (Ge) Grune 94(12):401-405. Mar. 25, 1966. 17 Sch9
Switzerland.

- 54065 SHOULDERS, J. F. Pearl millet, sudangrass, sudangrass-sorghum hybrids for summer forage. Va. Polytech. Inst. Ext. Leaf. 1, rev., 2 p. Mar. 1966. 275.29 V81L
Chiefly culture.
- 54066 SMITH, H. N. Conservation plan. Cattleman 52(10):33, 83-84, 86. Mar. 1966. 49 C29
Cattle ranges in Texas.
- 54067 TAYLER, J. C., and RUDMAN, J. E. The distribution of herbage at different heights in "grazed" and "dung patch" areas of a sward under two methods of grazing management. J. Agr. Sci. [London] 66(1):29-39. Ref. Feb. 1966. 10 J822
Management for beef cattle in Great Britain.
- 54068 TESAR, M. B., and HILDEBRAND, S. C. Re-establishment of pastures and hay fields in one year. Mich. State Univ. Ext. Bull. 527, 4 p. Feb. 1966. 275.29 M58B
Alfalfa-bromegrass.
- 54069 THOMAS, G. W. The range resource—challenge to management. Cattleman 52(10):42, 44, 48, 52. Mar. 1966. 49 C29
- 54070 TODERI, G., and TONIOLO, L. Study on various annual successive droughts in relation to forage production and nitrogen fertilization. (It) Agr. Venez. 19(4):189-207. Apr. 1965. 16 Ag826
- 54071 TOMASELLI, R. The problem of pasture steppes in southern Sicily. (Fr) Mediterranea 7:198-201. June 1965. 281.8 M46
Management.
- 54072 TRENTIN, A. Increase of forage crops. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.) 19(11):42-51. Nov. 1965. 287 Ud5
Management and costs.
- 54073 VERNIK, R. S., and GRANITOV, I. I. Some data on the effect of grazing on composition and yields of ephemeral pastures. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 24:129-132. 1964. 442.9 T18
- 54074 VOLANTI, U. The life of alfalfa; how to prolong it. (It) G. Agr. 76(16):177. Apr. 17, 1966. 16 It1G
Culture.
- 54075 WAGENINGEN, INSTITUUT VOOR RASSEN-ONDERZOEK VAN LANDBOUWGEWASSEN. Voederbieten [Forage beets], 1966. Wageningen. Inst. Rassenonderzoek Landbouwgewassen Ber. Rassenkeuze 385, 7 p. Feb. 1966. 64.9 W12
Varieties.
- 54076 WANGMAR, A. Planting of pastures (Sw) Svensk Valltidsskr. 4(5):139-140. 1965. 60.8 Sv22
- 54077 WELLHAUSEN, H. W. Forage crops for Arkansas. Ark. Univ. Ext. Leaf. 281, rev., 12 p.-folder. Nov. 1965. 275.29 Ar4Le
Culture and pasture management.
- 54078 WIREN, G. How are the results of this year's meadow seed culture? (Sw) Svensk Frotidn. 34(10):139-140. Oct. 15, 1965. 61.8 Sv2
- 54079 ZWEERDE, H. VAN DER. Verslag van een proef met het gewas kaukasische smeewortel uitgevoerd in de jaren 1953-1960 [Report on a trial with Russian comfrey carried out in the years 1953-1960]. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Verlagen 35, 9 p. Ref. 60.9 W123V
- Oil Crops**
- 54080 ALVELID, S. Variety trials of fall planted crops; results of trials in Kalmar Province. (Sw) Kalmar Lans Hushallningssallsk. Tidskr. 4:6-12. Aug. 1965. 11 K123
Oil plants and grain.
- 54081 ANDERSON, J. C., and ADAMS, M. V. Soybean production in New Jersey. Rutgers State Univ. Ext. Leaf. 338-A, 4 p. Mar. 1966. 275.29 N46L
- 54082 BRICKBAUER, E. A., and TORRIE, J. H. Soybean varieties for 1966. Wis. Univ. Ext. Circ. 651, 4 p. Feb. 1966. 275.29 W75C
- 54083 CANTAR, F. Some economic aspects of the culture of soybeans. (Rum) Probl. Agr. [Bucharest] 17(8):74-77. Aug. 1965. 21 R862
Includes oil content and proteins.
- 54084 DASTUR, R. H., and BHATT, J. G. Factors affecting the growth and yield of linseed (Linum usitatissimum Linn.) in Malwa, Madhya Pradesh. Indian J. Agr. Sci. 35(2):141-152. Ref. June 1965. 22 Ag83I
- 54085 FINA, A. L. DE, and others. The industrial quality of oleaginous flax through repeated sowings on the same soil at La Plata. (Sp) La Plata. Univ. Nac. Fac. Agron. Rev. 41(1a):73-130. Ref. 1964, pub. 1965. 9 R32
R. Castells, A. J. Garbosky, and N. R. Ledesma, joint authors.
English summary.
Variance analysis.
- 54086 GILLIER, P. How to estimate yields of a peanut plantation. (Fr) Oleagineux 20(10):591-593. Oct. 1965. 77.8 OL2
- 54087 HENDERSON, J. R., and others. Peanut production guide. Fla. Univ. Ext. Circ. 145C, 12 p. Feb. 1966. 275.29 F66C
J. R. Strayer, R. S. Mullin, and T. C. Skinner, joint authors.
- 54088 KRISHNAMURTHY, T., and RAO, P. V. S. Utilization of kusum [Schleichera oleosa]. Indian Oilseeds J. 9(3):220-223. Ref. July/Sept. 1965. 307.8 In22
- 54089 LOOF, B. News about oil plants. (Sw) Svensk Frotidn. 34(10):141-142. Oct. 15, 1965. 61.8 Sv2
Chiefly yields.
- 54090 LOUVRIER, J. Note sur le probleme des olivettes deprimes et leur regeneration [Note on the problem of weak olive trees and their regeneration]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 9, 15 p. May 1965. 24 T839
In Tunisia.
- 54091 NIELSEN, E., and FREDERIKSEN, P. S. Rape production in the future—cooperation between agriculture and industry. (Da) Tolvmandsbladet 37(6):308-312, map. June 1965. 11 T58
Chiefly culture.
- 54092 OSPINA LEON, A. Commercial oil plant culture: the coconut in Colombia. (Sp) Agr. Amer. 14(8):48-49, 64-66. Aug. 1965. 58.8 Ag832
- 54093 PARDEE, W. D., and others. Soybean varieties in Illinois for 1966. Ill. Univ. Ext. Circ. 929, 16 p., map. Feb. 1966. 275.29 IL62C
R. L. Bernard, R. O. Weibel, and W. O. Scott, joint authors.
- 54094 PATHAK, G. N., and VERMA, G. T. 59, a bold-seeded early variety of rai [Brassica juncea] for U.P. Indian Oilseeds J. 9(3):212-214. July/Sept. 1965. 307.8 In22
- 54095 PATHAK, G. N., and VERMA, G. T. 36, an improved variety of lahia [Brassica campestris var. yellow toria] for the central tracts of Uttar Pradesh. Indian Oilseeds J. 9(3):209-211. July/Sept. 1965. 307.8 In22
- 54096 SARIC, T. Some observations on varieties of sunflowers with high yields. (Se) Poljoprivredni Pregl. 14(3/4):141-146. Mar./Apr. 1965. 21.5 P753
Tests on oil content.
- 54097 SUR, S. C., GUPTA, K. S., and SEN, S. Many faces of soybean. Indian Farming 15(6):13, 15. Sept. 1965. 22 In283
Culture.
- 54098 TORJE, D., IONESCU, D., and COSTACHE, D. The behavior of some soybean varieties in our country. (Rum) Probl. Agr. [Bucharest] 18(2):31-38. Feb. 1966. 21 R862
English summary, p. 2 of contents.
Rumania.
- 54099 TUCEK, K. More attention to the culture of oil plants. (Cz) Za Vysokou Urodu 14(1):2-3. Jan. 12, 1966. 64.8 Z12

Sugar Crops

- 54100 ANDRINGA, J. T. 1954 sugar beet harvesting demonstration. (Du) Loonbedrijf Land- Tuinbouw 18(10):769,771. Oct.1965. 283.8 L87
- 54101 CAMELIN, R., and others. On the placement of sugar beets. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1):74-90. Jan.5/12,1966. 14 P215Bc
R. Chablay, R. Longchamp, R. Mesnard, A. Raimond, and R. J. Gautheret, joint authors.
Planting.
Includes discussion.
- 54102 CHUANG, P. Y., and WU, Y. J. Studies on the bunch planting and closely spaced planting methods of sugar-cane seedlings in Taiwan. (Ch) Taiwan Sugar Exp. Sta. Rep. 37:1-12. Ref. Jan.1965. 65.9 F76R
English summary.
- 54103 DENNIS, R. E. Sugar beets in Arizona. Ariz. Univ. Ext. Folder 110,8 p.-folder. Nov.1965. 275.29 Ar42Ext
Culture.
- 54104 DIXIT, P. K., and MUKHERJI, N. Co. 527—an early cane of Udaipur region. Indian Sugar [Calcutta] 15(9):623-624. Dec.1965. 65.8 In26
- 54105 FOGLIATA, F. A. Observations on culture and use of fertilizers and herbicides in Puerto Rico and the United States. (Sp) Indus. Azucar. 71 (858):169-170. May 1965. 65.8 In22
Sugarcane.
- 54106 FU, H. C., SU, T. P., and HSIEH, Y. H. A study on planting time and spacing of sugar-cane planted in summer. (Ch) Taiwan Sugar Exp. Sta. Rep. 38:1-12. Apr.1965. 65.9 F76R
English summary.
- 54107 HAWAIIAN SUGAR PLANTERS' ASSOCIATION. EXPERIMENT STATION. Annual report, 1965. Honolulu, 1965. 70 p. 100 H31R
- 54108 HSIA, Y. J., HU, T. L., and CHEN, J. H. Effect of harvest time on the sugar content and yield of N: Co.310 sugar cane variety. (Ch) Taiwan Sugar Exp. Sta. Rep. 37:21-42. Ref. Jan.1965. 65.9 F65R
English summary.
- 54109 ILAG, L. M. Some factors related with the productivity of some sugarcane farms in the Victorias Mill District, Philippines, 1961-62. Philippine Agr. 48(10):443-461. Mar.1965. 25 P542
- 54110 JENSEN, E. Planning for a better crop in 1966 Sugar Beet 18(47):30. Spring 1966. 66.8 Su34B
- 54111 KORNIEENKO, I. M. Methods for thinning of seed sugar beets as means for development of main tubers. (Rus) In Belotserkovskaya Opyt-no-Selektzionnaya Stantsiya. Itogi Nauchno-Issledovatel'skikh Rabot po Selektzii, Agrotekhnike i Zashchite Rastenii 1964:167-171. (Not in Libr.)
Abstracted in Ref. Zh. Otd Vypuse [Ser.] 55. Rasteniyevod. 14:33-34. July 1965. Film S-202
- 54112 MARTENS, M. Results of drilling at final plant spacing conducted in Belgium in 1964. (Fl) Inst. Belge Amelior. Betterave. Publ. 4:125-136. 1965. 66.9 In7
English summary.
Text also in French.
Sugar beets.
- 54113 MEYER, H. Experiences with monogerm sugar beet seed. (Ge) Grune 94(12):393-401. Mar.25,1966. 17 Sch9
Tillage, planting, and weed and disease control in Switzerland.
- 54114 MISRA, G. N. Improving germination in sugar-cane cuttings from different portions of stalk through adjustment in the depth of planting and moisture status of soil and setts. Indian Sugar [Calcutta] 15(9):599-602,605-608,611-612. Ref. Dec.1965. 65.8 In26
- 54115 NAGATOMO, T., and KAWASHIMA, T. Comparative tests with various strains of sugar beet sown in early autumn in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):307-312. Mar.1965. 22.5 M6932B
English summary.
- 54116 PAREKH, S. K. Ratooning of sugarcane in Bihar. Indian Sugar [Calcutta] 15(10):671-673. Jan.1966. 65.8 In26
Culture.
- 54117 RAJA, R. P. Co. 853—a substitute for Co. 419 for late season crush. Indian Sugar [Calcutta] 15(10):661-664. Jan.1966. 65.8 In26
Sugarcane varieties and their yields.
- 54118 RASMUSSEN, P. Topping of sugar beets. (Da) Dyrker-Nyt 30:473-475. Nov.1965. 66.8 D99
- 54119 ROSTEL, H. J. Results from breeding monogerm sugar beet for important characters of the first year of growth with special reference to resistance to bolting. (Ge) Z. Pflanzenzucht. 53(2):166-188. Ref. May 1965. 450 Z36
English summary.
Includes breeding for high root yield and high sugar content.
- 54120 SHANE, J. F. Results of the Kentucky sorgho performance test, 1965. Ky. Agr. Exp. Sta. Progr. Rep. 162,4 p. Feb.1966. 100 K41Pr
- 54121 SINDICO, E. A., FUENTES, C. E., and DATOR, J. L. Yield test of some foreign varieties in Pilar Mill District. Philippine Sugar Inst. Quart. 11(2):44-47,56. June 1965. 65.9 P533
- 54122 STANESCU, Z., and COICEV, V. Production of seeds of sugar beets. (Rum) Probl. Agr. [Bucharest] 17(7):69-77. July 1965. 21 R862
- 54123 TECSI, J. Operational experiences in area distribution of sugar beet. (Hu) Magyar Mezőgazdasag 21(9):9. Mar.2,1966. 19 M27
Includes effects on yield.
- 54124 TRAVELLER, D. Testing increases usefulness of monogerm seed. Sugar Beet 18(47):24-26. Spring 1966. 66.8 Su34B

Tobacco

- 54125 BOTHA, A. D. P. Determination of the suitability of black clayey soil for the production of flue-cured tobacco. (Af) So. Afr. J. Agr. Sci. 9(3):887-888. Sept.1965. 24 Su3
- 54126 CORBAZ, R. The creation of disease-resistant varieties of tobacco. (Fr) Agr. Romande (ser.A)4(9):63-65. Sept.1965. 17 Ag8
- 54127 GOTO, F. Correlations between the yield of bright yellow leaf tobacco and the weather. (Ja) Jap. Monop. Corp. Cent. Res. Inst. Sci. Pap. 107:239-241. 1965. 385 J273
English summary.
- 54128 TERNOVSKII, F. M. Methods for creation of tobacco and Aztec tobacco varieties resistant to diseases and pests. (Rus) Khar'kovskii Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 43:195-209. 1964. 20 K528
Abstracted in Ref. Zh. Otd. Zypusk [Ser.] 55. Rasteniyevod. 14:11. July 1965. Film S-202

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 54129 AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Proceedings, vol. 86. Beltsville, Md., 1965. 854 p. Ref. 81 So12
- 54130 CHIMENTI, R. Practical island horticulture; a course in Hawaii. S. Pacific Bull. 15(2):47-48. Apr.1965. 280.8 So89
- 54131 CLEMSON UNIVERSITY. EXTENSION SERV. 1966 recommended varieties for South Carolina; field, vegetable, fruit, and nut crops lawn grasses. Clemson Univ. Ext. Circ. 477,rev., 8 p.,map. Sept.1965. 275.29 So8E
- 54132 COOK, M. C. F. Horticulture stocks. Agr. Northern Ireland 40(8):250-254. Dec.1965. 256.13 Ag82M
In glass greenhouses.

- 54133 CORNELL UNIVERSITY, STATE COLLEGE OF AGRICULTURE, EXTENSION SERV. Introduction to home gardening. Cornell Univ. Ext. Cornell Ext. Bull. 1049, rev., 16 p. Apr. 1966. 275.29 N48E
Chiefly ornamentals, vegetables, and berries.
- 54134 HAYASHI, S. Onshitsu engei no gijutsu to keiei [The techniques and management of greenhouse culture]. Zukai Nogyo Gijutsu 17, 188 p., map. May 1965. 22.5 Z82
- 54135 LUGT, G. A. VAN DER. Horticulture in the regional development area Heerhugowaard. (Du) Neth. Dir. Tuinbouw. Mededel. 28(1):40-43. Jan. 1965. 86 N384
English summary, p. 50.
- 54136 MALIANI, C. New horticulture. (It) G. Agr. 76(11):118. Mar. 13, 1966. 16 It1G
- 54137 NORSK PLANTESKOLELAG. Arsskrift for planteskoledrift og dendrologi [Yearbook for nurseries and dendrology], 1964, volume 11. 63 p. Oslo 1965. 86 N812
- 54138 STENE, J. Boxes, pots and strips. (No) Gartneryrket 56(9):170-172. Feb. 25, 1966. 80 G1938
For culture and nursery stock.
- 54139 WELY, A. J. M. VAN. Horticulture in 1964. (Du) Neth. Dir. Tuinbouw. Mededel. 28(1):3-9. Jan. 1965. 86 N384
- 54140 WIRTH, A. 75th anniversary celebration of the Experiment Station Wadenswil [Versuchsanstalt Wadenswil]. (Ge) Schweiz. Z. Obst-Weinbau 101(19):473-480. Sept. 18, 1965. 80 Sch9
Eidgenossische Versuchsanstalt fur Obst-, Wein- und Gartenbau.
- 54141 YAMANAKA, M. Tsuru shokubutsu no saibai [Culture of climbing plants]. Tokyo, Kajima Shoten, 1965. 135 p. SB427.Y3
Includes indices to Japanese and Latin names.
- Fruits—General
- 54142 BORDEIANU, T. Scientific research in the development of intensive fruit culture. (Rum) Gradina Via Livada 14(8):42-47. Aug. 1965. 80 G75
Includes breeding.
- 54143 CARLSON, R. F. Dwarfed fruit trees. Mich. State Univ. Ext. Bull. 432, 6 p.-folder. Feb. 1966. 275.29 M58B
- 54144 CHAPLIN, C. E., and STACEY, J. K. The home fruit garden. Ky. Univ. Ext. Circ. 508-C, rev., 35 p. June 1965. 275.29 K415
Culture.
- 54145 FEJES, S. The intensity of our fruit production. (Hu) Kerteszeti Szolozs. 15(3):3-5. Feb. 1966. 80 K474
Culture and management of farms.
- 54146 FRUIT varieties, rootstocks and tree-shapes in the Netherlands. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):152-161. Mar. 1965. 86 N384
English summary, p. 173-174.
- 54147 KAMEMOTO, H., POLPRASID, P., and PUNSRI, P. An inventory of fruit varieties introduced into Thailand. Kasetsart J. 5(1):23-46. 1965. 22.5 K153
- 54148 KUOKAMI, T. Kaju engei kakuron [Lectures on fruit tree culture], v. 2. Tokyo, Yoken Do, 1965. 574 p. Ref. SB357.K8
- 54149 LONGLEY, R. P. European fruit culture—expanding and challenging. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:53-57. 1964. 82 N85
- 54150 MELI, T. In new plantings—wire support or single tree posts? (Ge) Schweiz. Z. Obst-Weinbau 101(25):639-641. Dec. 11, 1965. 80 Sch9
Fruit.
- 54151 NOVA SCOTIA FRUIT GROWERS' ASSOCIATION. One hundred and first annual report; proceedings of the convention held at Kentville, Nova Scotia, Dec. 9, 10, 11, 1964. n.p., 1965? 156 p. 82 N85
- 54152 POILANE, E. The fruit trees of Indochina. (Fr) J. Agr. Trop. Bot. Appl. 12(11):527-549. (Concl.) Ref., p. 547-549. Nov. 1965. 26 J822
Types and descriptions.
- 54153 SNYDER, J. C., and others. Grafting of fruit trees. (Sp) Tierra [Mexico] 20(6):450-451, 504. (Cont.) June 1965. 8 T445
- 54154 SPIRIDONOVICH, L. I., and KALISTRATOVICH, B. YA. Subtropicheskie kul'tury [Subtropical plants]. Tbilisi, Ganatleba, 1965. 391 p. SB111.L4
Text in Georgian.
Fruit; culture and varieties.
- 54155 STEENBAKKERS, A. Silver Fruit School. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 77 (1):40-43. Jan. 1966. 12 N282
25th anniversary of the Jhr. van Tets-Fruit-teeltschool in Houten.
- 54156 WAGENINGEN, INSTITUUT VOOR DE VERDELING VAN TUINBOUWGEWASSEN. 12e rassenlijst voor fruitgewassen [12th list of fruit varieties], 1965. Wageningen, 1965. 120 p. 86 W12Bf
- Fruits—Citrus and Subtropical
- 54157 BINI, G., and RADDI, P. Problems of olive culture in central Italy. (It) Agr. Italia 11(12):41-51. Dec. 1965. 16 Ag8232
- 54158 CARPENA, O., and SANCHEZ, J. A. The culture of young citrus plantations. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961/62:53-60. 1964. 56.9 C332
From Acta Salmaticensia, Ciencias.
- 54159 ERICKSON, L. C. Seed coat thickness: a guide to avocado maturity. Calif. Citrogr. 51(6):260-261. Apr. 1966. 80 C125
Determination of harvesting date.
- 54160 FOALE, M. A. Nutrition of young coconuts in the Russell Islands (Solomon Islands). (Fr) Oleagineux 20(10):585-588. Oct. 1965. 77.8 OL2
English summary, p. XXXIX.
Culture and fertilizers.
- 54161 HU, C. C. Banana production in Taiwan. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:71-91. Apr. 1965. 22.5 T137
- 54162 HU, C. C. The production of citrus in Taiwan. (Ch) T'ai-wan T'e Ch'an Ts'ung K'an 14:122-145. Apr. 1965. 22.5 T137
- 54163 KATAYAMA, Y., NAGATOMO, T., and KAWASHIMA, T. Some studies on the breeding of tropical and subtropical crops in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):220-256. Ref. Dec. 1965. 22.5 M6932B
English summary.
Passion fruit and papaya.
- 54164 PEHRSON, J. E. Yield trends. Calif. Citrogr. 51(6):261-262. Apr. 1966. 80 C125
Effects of cultural practices on the yields of Valencia oranges.
- 54165 ROCHA, G., DE LA, and RIVADENEYRA D., V. H. Influencia del portainjerto en el numero de semillas de naranja y de toronja [Influence of rootstock on number of orange and grapefruit seeds]. Lima, Estac. Exp. Agr. La Molina. Bol. 9, 4 p. Aug. 1965. 102.5 L622B
- 54166 SAITO, Y., and YAMAMOTO, S. Some studies on the cultivation of tropical horticulture crops in the warm region of Japan. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 11(1/2):206-219. Ref. Dec. 1965. 22.5 M6932B
English summary.
Papayas and pineapples.
- 54167 SALOMON, E., and MENDEL, K. Rooting of citrus leaf cuttings. Amer. Soc. Hort. Sci. Proc. 86:213-219. Ref. June 1965. 81 S012
- 54168 SANCHEZ, J. A., and ABRISQUETA, C. Standards for the establishment of plantations of citrus. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961/62:43-51. Ref. 1964. 56.9 C332
From Acta Salmaticensia, Ciencias.

- 54169 WILLIAMS, M. Three new crops released. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11 (1):4. Jan.1966. 100 F66Su
Carambola, loquat, and sugarcane.

Fruits—Deciduous

- 54170 BALDWIN, R. L., and others. Sundar peach. Calif. Agr. 20(1):5. Jan.1966. 100 C12Cag
L. P. Sharp, M. M. Winslow, and J. W. Lesley, joint authors.
- 54171 BOBB, A. C. Grafting fruit trees. Md. Univ. Ext. Ext. Bull. 208,16 p. Oct.1965. 275.29 M36B
- 54172 BROWNLOW, J. Goldens—plentiful and profitable. Prod. Marketing 8(10):52-53. Oct.1965. 280.38 P943
Golden Delicious apples.
- 54173 CARPENA, O., and ABRISQUETA, C. Standards for the establishment of plantations of peaches and apricots. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:37-42. 1964. 56.9 C332
From Acta Salmaticensia, Ciencias.
- 54174 CATAVELA, S. On the rootstocks of peaches. (Rum) Gradina Via Livada 14(5):42-45. May 1965. 80 G75
- 54175 COATS, B. Peaches in Europe. Cling Peach Quart. 2(3):18-19. Fall 1965. 281.8 C61
- 54176 COMAN, S. Pruning peaches in the fruiting stage. (Rum) Gradina Via Livada 14(5):38-42. May 1965. 80 G75
- 54177 DONNO, G. Cherry culture in Bari Province. (It) Agr. Napoletana 32(5/6):3-11. May/June 1965. 16 Ag8268
- 54178 ESAYAN, G. S. Regeneration pruning—an effective method for increasing yields of older apricot trees. (Rus) Armyanskii Nauchno-Issledovatel'skii Institut Vinogradarstva, Vinodeliya i Plodovodstva 6/7:393-420. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:37. July 1965. Film S-202
- 54179 FLIERMAN, J. Planting of a pear orchard. (Du) Ned. Fruittelers Organ. Berichtenbl. 22 (2):32-33. Feb.1966. 95.9 N28
- 54180 FLIERMAN, J. What kinds of fruit, varieties and rootstocks? (Du) Ned. Fruittelers Organ. Berichtenbl. 21(11/12):240-242. Nov./Dec. 1965. 95.8 N28
Apples, pear and plums.
- 54181 FORESTER, E. D. Some experiences with apple growing in the Auckland Province. Orchardist New Zeal. 39(2):67,69. (Cont.) Mar. 1966. 80 Or19
- 54182 FUKUSHIMA, S. Studies on the controlling factors of the apple production and forecasting of the production. I. (Ja) Aomori Apple Exp. Sta. Bull. 9:1-56. Ref. Mar.1965. 93.31 Ao52Re
- 54183 GRYUNER, A. M. Selection of apples at Maikop Experiment Station. (Rus) Vsesoyuznyi Institut Rastenievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 2:23-34. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:35. July 1965. Film S-202
- 54184 HUSABO, P. Pruning of fruit trees. (No) Gartneryrket 56(6):93,108-109. Feb.4,1966. 80 G1938
- 54185 IONOVA, M. A. Study of apricot varieties in Crimea. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 36(3):110-115. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:37-38. July 1965. Film S-202
- 54186 ISKANDAROV, K. I. The culture of peaches under conditions of soils with chipped gravel of the Samgar massif. (Rus) Sel'skoe Khoz. Tadzh. 10:40-43. Oct.1965. 20 Se494
- 54187 JOHNSTON, S., and LARSEN, R. P. Peach culture in Michigan. Mich. State Univ. Ext. Ext. Bull. 509,21 p.,map. Dec.1965. 275.29 M58B
- 54188 JONG, A. DE. Tree shape and planting space. (Du) Ned. Fruittelers Organ. Berichtenbl. 21 (11/12):243-244. Nov./Dec.1965. 95.8 N28
Apples and pears.
- 54189 KASK, K. A promising species of plum. (Es) Eesti Loodus 1:49-50. Jan./Feb.1966. 409.6 Ee7
English summary.
- 54190 KAWASE, K., MATSUO, T., and OSAKI, M. Studies on the rootstocks of pears. 3. (Ja) Kurume. Hort. Res. Sta. Bull. Ser. D, 3:1-15. Ref. Mar.1965. 87 K943
English summary.
- 54191 LARSEN, R. P. Pear culture in Michigan. Mich. State Univ. Ext. Ext. Bull. E-519,9 p. Feb.1966. 275.29 M58B
- 54192 LESKINEN, A. Apples grow in August. (Fi) Puutarha 68(8):454-455. 1965. 80 P99
- 54193 MEL'NIKOVA, K. D. Plum varieties from the Maikop Experiment Station. (Rus) Vsesoyuznyi Institut Rastenievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 2:115-125. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:37. July 1965. Film S-202
- 54194 MIRZOBAYTOV, N. Local varieties and forms of stone fruit at Pamir. (Rus) Sel'skoe Khoz. Tadzh. 10:34-40. Oct.1965. 20 Se494
- 54195 NAGY, P. Layouts for a fruit orchard. (Hu) Kerteszeti Szolozs. 15(6):12-13. Mar.1966. 80 K474
- 54196 NENAIIDENKO, V. P., and NAZAROVA, T. A. More attention to quinces. (Rus) Sadovodstvo 2:14. Feb.1966. 80 Sa13
Culture.
- 54197 NESTEROV, YA. S. Better varieties of apples designated for southern districts of USSR and bred at Maikop Experimental Station. (Rus) Vsesoyuznyi Institut Rastenievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 2:10-22. 1964. (Not in NAL)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:35-36. July 1965. Film S-202
- 54198 OVERCASH, J. P. Peach variety evaluation in Mississippi. Miss. Agr. Exp. Sta. Bull. 721, 10 p. Feb.1966. 100 M69
- 54199 PHILLIPS, E. L., and OBERLE, G. D. Peach varieties for Virginia. Va. Polytech. Inst. Ext. Circ. 763,rev.,4 p. Dec.1965. 275.29 V81C
- 54200 POPA, P. Thinning of peaches. (Rum) Gradina Via Livada 14(5):45-49. May 1965. 80 G75
- 54201 POPESCU, C. V., and BADESCU, G. Improvement of the techniques of apple harvesting. (Rum) Gradina Via Livada 14(9):59-67. Sept. 1965. 80 G75
Harvesting date and equipment.
- 54202 POWERS, G. Harvesting and handling the apple crop in Maine. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:27-29. 1964. 82 N85
- 54203 ROLLINS, H. A. An apple fence. Va. Polytech. Inst. Ext. Circ. 1000,4 p. Feb.1966. 275.29 V81C
Espalier training.
- 54204 STANCIU, G. Criteria for the establishment of varieties of peaches. (Rum) Gradina Via Livada 14(9):68-71. Sept.1965. 80 G75
- 54205 SZABO, I. Which one shall I choose? (Hu) Kerteszeti Szolozs. 15(5):12. Mar.1966. 80 K474
Peach varieties.
- 54206 THORUP, S. Pruning. (Da) Erhvervsfrugtavlaren 33(1):23-25. Jan.1,1966. 80 Er3
Deciduous fruit.
- 54207 TOTH, E. Increasing the number of plum varieties. (Hu) Kiskert 1:2-3. In Kerteszeti Szolozs. 15(4). Feb.1966. 80 K474
- 54208 TOTH, E. Mixed planting of cross-fertile plum species. (Hu) Kerteszeti Szolozs. 15(5):8. Mar.1966. 80 K474

- 54209 TYTSS, A. YA. Value of low Japanese quince [*Chaenomeles japonica*]. (Rus) *Sadovodstvo* 2: 30-31. Feb.1966. 80 Sa13
Grown as fruit for processing as well as ornamental.
- 54210 WESTWOOD, M. N. A cyclic carbonate and three new carbamates as chemical thinners for apple. *Amer. Soc. Hort. Sci. Proc.* 86:37-40. June 1965. 81 So12
Includes varieties.
- 54211 WIRTH, A., and BRYNER, W. Pruning spindle bush hedges in the yield period. (Ge) *Schweiz. Z. Obst- Weinbau* 101(25):626-631. Dec.11, 1965. 80 Sch9
Apples.
- 54212 YAROPUD, V. N. Quince moulei [*Cydonia mau-lei*]. (Rus) *Sadovodstvo* 2:15. Feb.1966. 80 Sa13
Grown as fruit for processing.
- 54213 ZIELINSKI, Q. B., REIMER, F. C., and QUACKENBUSH, V. L. Breeding behavior of fruit characteristics in pears, *Pyrus communis* L. *Amer. Soc. Hort. Sci. Proc.* 86:81-87. June 1965. 81 So12
Includes varieties.
- Fruits—Small
- 54214 BALDWIN, J. G. The effect of some cultural practices on nitrogen and fruitfulness in the Sultana vine. *Amer. J. Enol. Viticult.* 17(1): 58-62. Jan./Mar.1966. 390.9 Am33
Interplanting of field crops in Australia.
- 54215 BARACTARU, M., IONESCU, P., and TUDOR, T. Optimal nutritional space for moderately vigorous grape varieties of Dragasani vineyards. (Rum) *Gradina Via Livada* 14(8):26-30. Aug.1965. 80 G75
Effect of density on yields.
- 54216 BARACTARU, M., and BUCOVEANU, T. Yields of grapes grown on high and lower trellises. (Rum) *Gradina Via Livada* 14(9):32-36. Sept.1965. 80 G75
English summary.
- 54217 CARSTENS, W. J. Strawberries in the Transvaal. 2. Farming S. Afr. 41(12):18-19,21-22. Mar.1966. 24 So842
Culture.
- 54218 ERDEI, S. Raspberry and strawberry culture. (Hu) *Magyar Mezogazdasag* 21(3):12-13. Jan.19,1966. 19 M27
- 54219 FILLA, M. Work organization for rooting and graft preparation. (Hu) *Kerteszeti Szulesz.* 15(4):6-7. Feb.1966. 80 K474
Grapes.
- 54220 GRECU, I., and POPA, P. Cultural practices for higher yields of grapes in old vineyards of the Minis-Maderat area. (Rum) *Gradina Via Livada* 14(5):22-29. May 1965. 80 G75
- 54221 HULL, J. Strawberries in home gardens. *Mich. State Univ. Ext. Ext. Bull.* 521,6 p.-folder. Feb.1966. 275.29 M58B
Culture.
- 54222 IVANOV, P. V. Utilization of slopes for grape culture. (Rus) *Sadov. Vinograd. i Vinodel. Moldavii* 10:33-37. 1964. 80 Sa15
Terracing.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:40. July 1965. Film S-202
- 54223 JONG, A. DE. Strawberry tips. (Du) *Ned. Fruittelers Organ. Berichtenbl.* 22(1):17. Jan. 1966. 95.9 N28
Culture.
- 54224 KENDER, W. J. Some factors affecting the propagation of lowbush blueberries by softwood cuttings. *Amer. Soc. Hort. Sci. Proc.* 86:301-306. Ref. June 1965. 81 So12
- 54225 KIRALY, F. More effective treatment of grape grafts with paraffin. (Hu) *Kerteszeti Szulesz.* 15(4):5. Feb.1966. 80 K474
- 54226 KRISZTEN, GY. Grape culture methods and frost protection. (Hu) *Kerteszeti Szulesz.* 15(4):8-9. Feb.1966. 80 K474
- 54227 LAZAREVA, A. G. Selection of strawberries under conditions of northern Caucasus. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 36(3):158-160. 1964. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:39. July 1965. Film S-202
- 54228 LOOMIS, N. H. Further trials of grape rootstocks in Mississippi. *Amer. Soc. Hort. Sci. Proc.* 86:326-328. Ref. June 1965. 81 So12
Culture and varieties.
- 54229 MACHA, R. L., and DENISEN, E. L. Ever-bearing strawberries. *Iowa Farm Sci.* 20(9): 7-8. Mar.1966. 275.28 Io94
Culture and varieties.
- 54230 MANESCU, C. Some aspects of the covered culture of strawberries. (Rum) *Gradina Via Livada* 14(5):49-55. May 1965. 80 G75
Includes use of plastics.
- 54231 MARVEL, M. E., and MONTELARO, J. Strawberry production guide. *Fla. Univ. Ext. Circ.* 142C,12 p. Dec.1965. 275.29 F66C
- 54232 MCLAUCHLAN, G. New varieties help spark revolution in strawberry growing. *New Zeal. J. Agr.* 112(2):45,47. Feb.1966. 23 N48J
- 54233 NEGRUL', A. M., KATS, YA. F., and YUSUPOV, KH. S. Local grape varieties in Tadzhikistan. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 36(3):116-135. 1964. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:40. July 1965. Film S-202
- 54234 NINI, T., and DIAMANDI, A. Experience of the Narta cooperative members in growing vines and securing high yields. (Al) *Bul. Shkencave Bujqesore* 4(4):20-34. 1965. 21.5 B87
English summary.
- 54235 OYDVIN, J. Strawberry culture in Holland. (No) *Gartneryrket* 56(14):324,327-329. Apr.1,1966. 80 G1938
Greenhouse culture.
- 54236 PRESCOTT, J. A. The climatology of the vine (*Vitis vinifera* L.): the cool limits of cultivation. *Roy. Soc. S. Australia. Trans.* 89:5-23, m p. Ref. Dec.1965. 514 Ad3
- 54237 RADNOTI, I. Viticulture in the Balaton high lands. (Hu) *Elovilag* 10(4):202-204. 1965. 410 EL6
- 54238 ROELOFSEN, B. Cultivation methods enabling the supply of fresh strawberries throughout the year. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(1):21-27. Jan.1965. 86 N384
English summary, p.50.
- 54239 SCOTLAND, DEPT. OF AGRICULTURE AND FISHERIES. New strawberry cultivar "Crusader." *Scot. Agr.* 45(1):48-50. Winter 1965/66. 10 Sco82So
- 54240 WALLACE, J. C. Horticulture—starting with strawberries. *Agr. Northern Ireland* 40(4):116-119. Aug.1965. 256.13 Ag82M
- 54241 WASSENAAR, L. M. In ten years: big changes in our strawberry assortment. (Du) *Groenten Fruit* 21(31):1421. Feb.16,1966. 80 G89
- 54242 ZYCH, C. C. Incompatibility in crosses of red, black, and purple raspberries. *Amer. Soc. Hort. Sci. Proc.* 86:307-312. Ref. June 1965. 81 So12
Hybrids and greenhouse culture.
- Nuts
- 54243 FORDE, H. I., SERR, E. F., and HANSCHKE, P. E. 1965 comparison and crack tests. *Diamond Walnut News* 48(1):12-18. Feb.1966. 94.68 D34
Varietal tests in California.
- 54244 FOURCY, A., and LANTELME, J. Trials on rooting of walnut slips. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(18):1183-1190. Dec.8/15,1965. 14 P215Bc
Use of mist humidification and fungicides. Includes discussion.

- 54245 GAUDIO, S. DEL., and PEDONE, L. For a better almond cultivation in Apulia. (It) Ann. Sperim. Agr. (n.s.)18(1/2):115-149. 1964, pub. 1966. 16 An76
English summary.
- 54246 GUSEV, P. P. Better varieties of filberts (*Corylus* L.) suitable for cultivation on the foothills of Northern Caucasus. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 36(3):136-143. 451 R92
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:40. July 1965. Film S-202
- 54247 JAYNES, R. A. Nurse seed grafts on chestnut [*Castanea*] species and hybrids. Amer. Soc. Hort. Sci. Proc. 86:178-182. June 1965. 81 So12
- 54248 KESTER, D. E., HANSEN, C. J., and PANET-SOS, C. Effect of scion and interstock variety on incompatibility of almond [*Prunus amygdalus*] on Marianna 2624 rootstock. Amer. Soc. Hort. Sci. Proc. 86:169-177. Ref. June 1965. 81 So12
- 54249 TRESKA, L., and NAKO, I. Chestnut tree (*Castanea sativa* Mill.) in Albania. (Al) Bul. Shken-cave Bujqesore 4(4):99-123, map. 1965. 21.5 B87
English summary.
- Shade Trees and Ornamental Plants**
- 54250 AANONSEN, A. German variety trials with Saintpaulia. (No) Gartneryrket 56(11):235-236. Mar.11, 1966. 80 G1938
- 54251 AARNIO, K. *Althaea rosea* in Tampere parks. (Fi) Puutarha 68(8):455-456. 1965. 80 P99
- 54252 ACEVEDO, R. Roses that climb, roses that ramble. Amer. Rose Annu. 51:103-110. 1966. 81 Am31A
Culture and varieties.
- 54253 ALEXANDER, J. S. Performance of Zinnia varieties. Tenn. Farm Home Sci. Progr. Rep. 56:12-13. Oct./Dec. 1965. 100 T25F
- 54254 AMERICAN ROSE SOCIETY. American rose annual, 1966, v. 51. Columbus, Ohio, 1966. 247 p. Ref. 81 Am31A
- 54255 AMOS, J. Making the most effective use of ground for gardens on sloping sections. New Zeal. J. Agr. 112(3):36-37, 39. Mar. 1966. 23 N48J
- 54256 BOICOURT, A. W. Use of roses in the home garden. Amer. Rose Annu. 51:123-126. 1966. 81 Am31A
Landscaping with roses; their culture and varieties.
- 54257 BOOM, B. K. *Senecio succulents*. (Du) Succulenta 44(8):114-118. Aug. 1965. 450 Su12
- 54258 BOOM, B. K. *Setcreasea purpurea*. (Du) Succulenta 44(11):168. Nov. 1965. 450 Su12
- 54259 BOYD, R. H. My pink garden. Amer. Rose Annu. 51:168-172. 1966. 81 Am31A
Includes varieties; in Oregon.
- 54260 BREDAKIS, E. J., and ZAK, J. M. Timing of seeding throughout the growing season. Ohio. State. Univ. Short Course Roadside Develop. 24:65-69. 1965. 288.9 Oh3
Ornamental plants.
- 54261 BRESNEN, J. A. Planting our roadsides. Ohio. State Univ. Short Course Roadside Develop. 24:83. 1965. 288.9 Oh3
- 54262 BRICKELL, C. D. Notes from Wisley. Roy. Hort. Soc. J. 91(4):160-162. Apr. 1966. 84 L84J
Landscape gardening.
- 54263 BUTCHER, C. L. Beautification of home grounds. Wyo. Univ. Ext. [4-H Club. Circ.] BHG-5, 91 p. Feb. 1965. 275.29 W99Fc
4-H Clubs.
- 54264 BUXTON, J. W., and POPE, T. E. 1965 garden flower variety trials in Kentucky. Ky. Agr. Exp. Sta. Progr. Rep. 161, 8 p. 1965. 100 K41Pr
- 54265 CABBAGE, E. Is it worth it? Amer. Rose Annu. 51:13-16. 1966. 81 Am31A
Culture and shows.
- 54266 CARSWELL, H. D. Favorite rose books. Amer. Rose Annu. 51:113-114, 119-122. 1966. 81 Am31A
Review of literature; includes culture and varieties.
- 54267 COHEN, V. A. Pacific Coast Irises. Roy. Hort. Soc. J. 91(4):176-179. Apr. 1966. 84 L84J
Varieties.
- 54268 COLEMAN, M. J., and LINDSTROM, R. S. Poinsettias [*Euphorbia pulcherrima*]; care and handling. Mich. State Univ. Ext. Ext. Bull. 511, 6 p.-folder. Dec. 1965. 275.29 M58B
- 54269 COOK, W. M. The Master and the rose. Amer. Rose Annu. 51:24-26. 1966. 81 Am31A
The rose in literature and religion.
- 54270 CREED, G. City. Ohio. State Univ. Short Course Roadside Develop. 24:80-82. 1965. 288.9 Oh3
Roadside planting along city highways.
- 54271 DIACONESCU, V., and DANESCU, A. Varieties of ornamental trees for hedges and their care. (Rum) Gradina Via Livada 14(9):77-81. Sept. 1965. 80 G75
- 54272 DUNBALL, A. P. Planting Britain's motorways. Ohio. State Univ. Short Course Roadside Develop. 24:52-59, map. 1965. 288.9 Oh3
- 54273 FOX, R. T. How to make a terrarium. Cornell Univ. Ext. Cornell Ext. Bull. 1029, 4 p. Dec. 1965. 275.29 N48E
- 54274 GILLESPIE, D. Roses in bonnie Scotland. Amer. Rose Annu. 51:111-112. 1966. 81 Am31A
- 54275 GRAAFF, J. W. A. VAN DE. Two new *Paphiopedilum*. (Du) Orchideeen (n.s.)28(2):32-33. Apr. 1966. 80 Or182
Paphiopedilum sukhakulii and *P. callosum*.
- 54276 GZN, G. F. Potting mixtures and potting. (Du) Orchideeen (n.s.)28(2):34-35. Apr. 1966. 80 Or182
Orchids.
- 54277 HANSON, B. Garden planning and layout. Soil Sense 4(2):29-30. Summer 1965/66. 56.8 So322
- 54278 HARP, H. F. Hardy Chrysanthemums for Manitoba gardens. Manitoba Dep. Agr. Conserv. Publ. 421, 4 p. May 1965. 275.29 M313
- 54279 HARP, H. F. The winter storage of tender bulbs, tubers and corms. Manitoba Dep. Agr. Conserv. Publ. 422, 4 p. May 1965. 275.29 M313
- 54280 HAUGE, M. *Rhododendron*. (No) Norsk Hagetid. 82(4):86-88. Apr. 1966. 80 N81
Varieties and culture.
- 54281 HEMMING, E. S. Seed propagation for the small nursery. Amer. Nurseryman 123(8):13, 114-118. Apr. 15, 1966. 80 Am371
Ornamental plants.
- 54282 ILLES, MRS. T. Plant material of fences and walls. (Hu) Kiskert 1:7-8. In Kerteszet Szolesz. 15(4). Feb. 1966. 80 K474
Ornamental hedges.
- 54283 INDYK, H. W., and ENGEL, R. E. Making a new lawn. Rutgers State Univ. Ext. Leaflet. 308-A, 4 p. Feb. 1966. 275.29 N46L
- 54284 INDYK, H. W. Principles in lawn renovation. Seed World 98(6):6. Mar. 25, 1966. 61.8 Se52
- 54285 KIEL, W. L. Show table preview 1966-1967. Amer. Rose Annu. 51:35-37. 1966. 81 Am31A
Chiefly varieties.
- 54286 KILDEMA, K., and MASING, V. The development of landscape science. (Es) Eesti Loodus 5:257-262, map. Sept./Oct. 1965. 409.6 Ee7
- 54287 KILDEMA, K., and MASING, V. The development of landscape science. 2. (Es) Eesti Loodus 6:321-328. Ref. Nov./Dec. 1965. 409.6 Ee7
English summary.

- 54288 LATVIJAS PSR ZINATNU AKADEMIJA, BOTANISKAIS DARZS. Daildarznieciba. Augu introdukcija un zala celtnieciba Latvijas PSR [Yearbook. Plant introduction and landscape gardening in Latvian SSR]. V. Riga, 1964. 306 p. Ref. 97.4 R44
Chiefly ornamental plants.
- 54289 LEACH, D. G. Producing deciduous Azaleas from cuttings. Amer. Nurseryman 123(9):7, 55-57, 60-63. May 1, 1966. 80 Am371
Includes hybrids.
- 54290 LEARNED, C. E. Landscaping with roses. Amer. Rose Annu. 51:17-19. 1966. 81 Am31A
Includes culture and varieties.
- 54291 LEVONEN, H. J. Freesia, from seeds or bulbs. (Fi) Puutarha 69(1):14-15. 1966. 80 P99
English summary, contents and summaries, p.2.
- 54292 LINDEMANN, F. By any other name. Amer. Rose Annu. 51:141-144. 1966. 81 Am31A
Roses in history, literature and religion.
- 54293 LUBAN, E. Two attractive ornamental plants of great effect when cultivated in the shade. (Rum) Gradina Via Livada 14(9):82-84. Sept. 1965. 80 G75
Aquilegia and Hosta.
- 54294 LUNDSTAD, A. New rose varieties. (No) Norsk Hagetid. 82(4):90-92. Apr. 1966. 80 N81
- 54295 MATSUKAWA, T. Studies on the breeding of Gerbera, with special references to the type of double-flowering, flower colours and flower shapes. (Ja) Kurume Hort. Res. Sta. Bull. Ser. D, 3:113-133. Ref. Mar. 1965. 87 K943
English summary.
Gerbera jamesoni.
- 54296 MATZKE, W. Practical experiences with the reproduction of carnations and various ornamental plants in the tower glasshouse. (Ge) Bodenkultur 16(4):392-396. Nov. 1965. 19 B635
- 54297 MCMAHON, W. E. Rose surgery and the state of the union. Amer. Rose Annu. 51:164-167. 1966. 81 Am31A
Pruning and propagation.
- 54298 MEYEN, F. Tiny treasures of joy. Amer. Rose Annu. 51:63-64. 1966. 81 Am31A
Breeding of miniature hybrids.
- 54299 MILLIKAN, D. F. The butternut [Juglans cinerea]. Amer. Nurseryman 123(8):15. Apr. 15, 1966. 80 Am371
As ornamental tree.
- 54300 NAGY, B. Peat and nutrient solution in ornamental plant culture. (Hu) Kerteszeti Szolész. 15(2):18-19. Jan. 1966. 80 K474
Soiless culture using peat, perlite and sand mixture as growing medium.
- 54301 NE'EMAN, A. Roses in the state of Israel. Amer. Rose Annu. 51:127-131. 1966. 81 Am31A
Culture and varieties.
- 54302 NEWMAN, R. Lawns in the home garden. 1. J. Agr. [Melbourne] 64(2):63-67. Feb. 1966. 23 V66J
- 54303 NICOLINI, G. Hybrid Petunias. (It) G. Agr. 76(15):169-170. Apr. 10, 1966. 16 It1G
- 54304 OHIO, STATE UNIVERSITY, DEPT. OF LANDSCAPE ARCHITECTURE. Twenty-fourth short course on roadside development, Columbus, Ohio, October 4, 5, 6, 7, 8, 1965. Columbus, 1965. 156 p., map. 288.9 Oh3
Ohio Department of Highways, cooperating.
Landscaping.
- 54305 PACKARD, J. H. Designed for jewels. Amer. Rose Annu. 51:20-23. 1966. 81 Am31A
Culture and varieties.
- 54306 PARKS, P. H. We caught a brass ring. Amer. Rose Annu. 51:136-137. 1966. 81 Am31A
Rose culture in Maryland.
- 54307 PORTERES, R. The original magical character of living hedges and their constituents (Europe and West Africa). (Fr) J. Agr. Trop. Bot. Appl. 12(4/5):133-152. (Cont.) Apr./May 1965. 26 J822
- 54308 POTTER, C. H. Annuals & perennials—Heucheras, Delphiniums, marigolds. Amer. Nurseryman 123(8):11, 88-89, 91. Apr. 15, 1966. 80 Am371
Culture.
- 54309 PUUPPONEN, E. Ornamental grasses in garden. (Fi) Puutarha 69(1):20-22. 1966. 80 P99
English summary, contents and summaries.
Cortaderia culture.
- 54310 RAY, MRS. E. R. Is your community showing. Ohio. State Univ. Short Course Roadside Develop. 24:24-27. 1965. 288.9 Oh3
Ornamental tree planting.
- 54311 REABUCK, T. Dwarf fruit trees as accent plants in your rose garden. Amer. Rose Annu. 51:47-50. 1966. 81 Am31A
In Pennsylvania.
- 54312 ROSS, C. S. State in the overall contract planting. Ohio. State Univ. Short Course Roadside Develop. 24:84-85. 1965. 288.9 Oh3
Roadside planting.
- 54313 SAAKOV, S. G. Proiskhozhdenie sadovykh roz i napravlenie rabot v selektsii ikh [The origin of garden roses and the trend in the development of their selection]. Akad. Nauk SSSR. Bot. Inst. V. L. Komarova. Komarovskie Chteniya 18, 24 p. Ref. 1965. 451 Ak15K
English summary.
- 54314 SANDUSKY, MRS. J. L. A dream coming true—with old garden roses. Amer. Rose Annu. 51:161-163. 1966. 81 Am31A
History and varieties.
- 54315 SCHERY, R. W. Buying seed for the roadside. Ohio. State Univ. Short Course Roadside Develop. 24:46-51. 1965. 288.9 Oh3
Plant varieties and seed quality factors.
- 54316 SEDOV, V., and OTENOV, T. Serviceberry—new prospects for Kara-Kalpak ASSR. (Rus) Akademiyaya Nauk Uzbeskoi SSR. Kara-Kalpakskii Filial. Vestnik 1:97-99. 1965.
(Not in NAL)
Introduction of Amelanchier rotundifolia and Amelanchier alnifolia.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:43. July 1965. Film S-202
- 54317 SELEZNEVA, V. A. Tropicheskie i subtropicheskie orkhidei [Tropical and subtropical orchids]. Moskva, Nauka, 1965. 170 p. Ref. SB409.S4
- 54318 SHENGELIYA, E. M. Some data on study of lawns under condition in Abkhazia. (Rus) Sukhum. Bot. Sad. Trudy 15:71-82. 1964. 451 Su42
Introduction and acclimatization of new grasses.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:44. July 1965. Film S-202
- 54319 SHORT COURSE ON THE HIGHWAY BEAUTIFICATION PROGRAM. State Activities; Twenty-Fourth Annual Report. Ohio. State Univ. Short Course Roadside Develop. 24:87-140. 1965. 288.9 Oh3
F. T. Rose, presiding.
- 54320 SLOOTWEG, A. F. G. Growing and marketing of flowerbulbs. (Du) Neth. Dir. Tuinbouw. Mededel. 28(9):438-448. Sept. 1965. 86 N384
English summary, p.474.
- 54321 SMAGLYUK, K. K. European beech (Fagus sylvatica L.) varieties. (Ukr) Ukr. Bot. Zhur. 21(4):71-77. Ref. 1964. 450 J8212J
English summary.
- 54322 STAFFORD, F. G. Growing roses in Miami, Florida. Amer. Rose Annu. 51:65-67. 1966. 81 Am31A

- 54323 STENE, J. One year's experiences with the culture of potted plants on sand—watering. (No) Gartneryrket 56(7):123-124. Feb.11, 1966. 80 G1938
Ornamentals.
- 54324 STERK, W. *Opuntia aurantiaca*. (Du) Succulenta 44(10):152-153. Oct.1965. 450 Su12
Culture.
- 54325 THOMAS, R. P. Growing roses. Amer. Rose Annu. 51:27-30. 1966. 81 Am31A
- 54326 TRISOLDI, A. Urbanistics and rural architecture. (It) Genio Rurale 29(2):153-157. (Cont.) Feb.1966. 281.8 R522
- 54327 U. S. S. R. MINISTERSTVO SEL'SKOGO KHOZYAISTVA. UPRAVLENIE SEMENOVODSTVA. Opyt vyrashchivaniya lukovichnykh, klubnelukovichnykh i mnogoletnikh tsevetochnykh rastenii [Culture of bulbous, tuberous and perennial flowering ornamental plants]. Moskva, Kolos, 1964. 151 p. 96.4 Un32
- 54328 VANNICOLA, M. Reproduction of Chrysanthemums. (It) G. Agr. 76(13):146. Mar.27,1966. 16 It1G
- 54329 VASILE, I. N., and ROVENTA, I. I. Transplantation of ornamental trees with burlapped roots. (Rum) Gradina Via Livada 14(8):56-62. Aug.1965. 80 G75
- 54330 WALLACE, J. C. Hedges to order. Agr. Northern Ireland 40(8):255-258. Dec.1965. 256.13 Ag82M
- 54331 WALTERS, F. W. Roses in southern California. Amer. Rose Annu. 51:138-140. 1966. 81 Am31A
Culture.
- 54332 WATSON, D. P., and others. Hawaiian plumerias. Hawaii. Univ. Ext. Circ. 410,20 p. Ref. Nov.1965. 275.29 H312Ac
J. T. Chinn, H. F. Clay, and J. L. Brewbaker, joint authors.
Culture.
- 54333 WILLIAMS, T. G., and SMITH, G. E. Georgia lawns; establishment and maintenance. Ga. Univ. Ext. Circ. 642,rev.,20 p. Jan.1966. 275.29 G29C
- 54334 WILSON, B. A. Hybridizing new old roses. Amer. Rose Annu. 51:51-54. 1966. 81 Am31A
- 54335 WRIGHT, P. H. Creating new hardy roses. Amer. Rose Annu. 51:55-56. 1966. 81 Am31A
- 54336 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Beautification of home grounds; record book, Units I, II, III, IV. Wyo. Univ. Ext. [4-H Club. Circ.] BHG-5a, 10 p. Nov.1965. 275.29 W99Fc
4-H Clubs.
- 54337 YABROVA-KOLAKOVSKAYA, V. S., and TESLYA, S. T. Planting dates for tulips under conditions of coastal zone of Abkhazia. (Rus) Sukhum. Bot. Sad. Trudy 15:57-66. 1964. 451 Su42
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:43. July 1965. Film S-202
- 54342 APELAND, J., and BAUGROD, H. Trials with spring onions. (No) Gartneryrket 56(14):306-307. Apr.1,1966. 80 G1938
- 54343 ARBEITSGEMEINSCHAFT FUR LANDWIRTSCHAFTLICHES SORTENVERSUCHSWESSEN. Sortenratgeber: Kartoffeln [Variety recommendations: potatoes]. Ed. 6 Frankfurt am Main, DLG-Verlag, 1964. 47 p. 75 Ar12
- 54344 AUSTIN, M. E., and RIES, S. K. Predicting the harvest date for harvesting tomatoes mechanically. Amer. Soc. Hort. Sci. Proc. 86: 587-596. June 1965. 81 So12
- 54345 BALVOLL, G. Molybdenum in vegetable production. (No) Gartneryrket 56(10):190-193. Ref. Mar.4,1966. 80 G1938
Nutritional deficiencies.
- 54346 BARADA, L. Cultivation of more early potatoes. (Hu) Kerteszeti Szulesz. 15(4):16-17. Feb.1966. 80 K474
- 54347 BARBER, J. M. Tomato production. Ga. Univ. Ext. Circ. 484,rev.,10 p.-folder. Dec. 1965. 275.29 G29C
- 54348 BARTALOS, T. Reducing the costs of seedling care. (Hu) Kerteszeti Szulesz. 15(6):6-7. Mar. 1966. 80 K474
Vegetables.
- 54349 BERINDEI, M. Some present-day problems in potato growing. (Rum) Probl. Agr. [Bucharest] 18(2):39-45. Feb.1966. 21 R862
English summary, p.3 of contents.
Rumania.
- 54350 BETZEMA, J., and SNOEK, N. J. Culture of summer cauliflower. (Du) Groenten Fruit 21(38):1715. Apr.6,1966. 80 G89
- 54351 BETZEMA, J., and COMMANDEUR, J. C. Extending the harvest in single operation picking of Brussels sprouts. (Du) Groenten Fruit 21(34):1527. Mar.9,1966. 80 G89
- 54352 BETZEMA, J., and SNOEK, N. J. Methods of planting fall leek. (Du) Groenten Fruit 21(35): 1579. Mar.16,1966. 80 G89
- 54353 BETZEMA, J., and SNOEK, N. J. Selection of winter carrot varieties. (Du) Groenten Fruit 21(34):1541,1543. Mar.9,1966. 80 G89
- 54354 BETZEMA, J., and SNOEK, N. J. When to seed and plant fall leek. (Du) Groenten Fruit 21(31):1397,1399. Feb.16,1966. 80 G89
- 54355 BIENZ, D. R. Carrot splitting and second growth in central Washington as influenced by spacing, time of sidedressing and other cultural practices. Amer. Soc. Hort. Sci. Proc. 86:406-410. June 1965. 81 So12
Sidedressing with ammonium nitrate.
- 54356 BLUMENTHAL, B. Recolte des pommes de terre [Harvesting of potatoes]. Organ. Gestion Entrep. Agr. 25(Etude 251),7 p. (Cont.) June 1965. 281.8 Or33
- 54357 BORCHARDT, W. A. Red River Valley; land of the northern lights. United Fresh Fruit Veg. Ass. Yearbook 1966:49-50,52,54,56. 280.3939 Un3
Culture of potatoes.
- 54358 BOSWELL, V. R., DAVIS, E. W., and DANIELSON, L. L. Commercial growing of carrots. U. S. D. A. Leaflet. 353,slightly rev.,8 p. Feb. 1966. 1 Ag84L
- 54359 BOWERS, J. L., and SISTRUNK, W. A. Sweet potato varietal trials. Ark. Farm Res. 15(1): 8. Jan./Feb.1966. 100 Ar42F
- 54360 BRADLEY, G., and SMITTLE, D. Carrot quality as affected by variety, planting and harvest dates. Amer. Soc. Hort. Sci. Proc. 86:397-405. Ref. June 1965. 81 So12
- 54361 BROOKS, W. M., and WITTMAYER, E. C. 1966 vegetable varieties and hybrids for Ohio home gardens. Ohio. State Univ. Ext. Leaflet. L-100, 4 p. Dec.1965. 275.29 Oh32EL
- 54362 BRUIN, T. DE. The vine killing of potatoes. (Du) Loonbedrijf Land- Tuinbouw 18(6):517, 519. June 1965. 283.8 L87

Vegetable and Truck Crops (Including Potatoes)

- 54338 ALKMAAR. PROEFSTATION VOOR DE GROENTETEELT IN DE VOLLEGROND. Jaarverslag [Annual report of the Experiment Station for Field Culture of Vegetables], 1965. Alkmaar, 1966. 180 p. 86 AL4J
- 54339 ALLEN, E. J. Growing cucumbers for pickles. Ark. Univ. Ext. Leaflet. 384,8 p.-folder. Feb. 1966. 275.29 Ar4L3
- 54340 ALLEN, E. J. Vegetable gardens in Arkansas. Ark. Univ. Ext. Leaflet. 311,rev.,12 p.-folder. Feb.1966. 275.29 Ar4Le
Culture.
- 54341 AMERICAN SEED TRADE ASSOCIATION. GARDEN SEED RESEARCH COMMITTEE. New vegetable varieties; list X and XI, edited by P. A. Minges. Amer. Soc. Hort. Sci. Proc. 86:824-841. June 1965. 81 So12

- 54363 BUISSHAND, T. Kidney beans in plastic bags. (Du) Groenten Fruit 21(35):1584. Mar.16,1966. 80 G89
Planting.
- 54364 BULYCHEVA, A. M. On some methods for cultivation of garlic in the central zone of Novosibirsk Region. (Rus) Novosibirskii Sel'skokhozyaistvennyi Institut. Trudy 25(3):126-130. 1964. 20 N854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:23. July 1965. Film S-202
- 54365 BUTTENSCHON, H. For what types of vegetables is the breeding of F₁ hybrids sensible? (Ge) Indus. Obst- Gemuseverwertung 51(5):124-126. Mar.3,1966. 389.8 K832
- 54366 CARPENA, O., and FERNANDEZ, F. G. Studies on tomato in Jaen Province—experiences with varieties. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961/62:93-100. 1964. 56.9 C332
From Acta Salmaticensia, Ciencias.
- 54367 CHANG, C. T. First symposium on Solanaceae vegetable breeding. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:120-123. June 15,1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 9:835-836. 1964.
Issued by CFSTI.
- 54368 CRISTEA, C. For the growers of tomatoes in summer and fall. (Rum) Gradina Via Livada 14(8):17-19. Aug.1965. 80 G75
- 54369 CROON, F. Practical directions for the culture of early witloof. (Fl) Tuinbouwberichten 29(7):298-299. July 1965. 80 T817
- 54370 CSATARI-SZUTS, K., and KOMJATI, I. Establishing good yield of peas. (Hu) Magyar Mezogazdasag 21(6):10-11. Feb.9,1966. 19 M27
Planting and cultivation suggestions.
- 54371 DASKALOFF, C., TARNOVSKA, K., and OGN-JANOVA, A. Increase in quality in the tomato by means of hybridisation and selection. (Ge) Z. Pflanzenzucht. 53(2):189-196. May 1965. 450 Z36
English summary.
Crosses with *Lycopersicon pimpinellifolium*.
- 54372 DAVIS, H. W. Home gardening for better living. Ky. Univ. Ext. Circ. 539-B, 12 p. June 1965. 275.29 K415
Vegetable culture.
- 54373 DESSEWFFY, I. The asparagus. (Hu) Mezo-gazdasagi Vilagirodalom 8(1):13-20. Ref. 1966. 19 M577
Review of literature, chiefly on culture.
- 54374 DICKSON, M. H., and TIESSEN, H. Variability and potential in yields and color of forced rhubarb grown on organic soils. Amer. Soc. Hort. Sci. Proc. 86:547-551. June 1965. 81 S012
Grown in muck soils; includes nitrogen fertilizers.
- 54375 DILL, P. Results of grafting pepper [*Capsicum annum*] throughout several years; a contribution on the question of vegetative hybridisation. (Ge) Z. Pflanzenzucht. 53(2):125-165. Ref. May 1965. 450 Z36
English summary.
- 54376 DUNCAN, A. A. Farm and home vegetable garden. Oreg. State Univ. Ext. Bull. 614, rev., 8 p.-folder. Mar.1966. 275.29 Or32B
Culture.
- 54377 ERDMANN, M. H., and others. Field bean production in Michigan. Mich. State Univ. Ext. Bull. 513, 10 p. Dec.1965. 275.29 M58B
L. S. Robertson, R. L. Janes, R. G. White, M. W. Adams, and A. L. Anderson, joint authors.
- 54378 FLONES, M. Soaking of seed onions. (No) Gartneryrket 56(10):193. Mar.4,1966. 80 G1938
Effects on yields.
- 54379 FROST, A. A. Horticulture—cucumbers. Agr. Northern Ireland 40(10):322-325. Feb.1966. 256.13 Ag82M
Greenhouse culture.
- 54380 FUJIEDA, K., YAMATO, M., and AKIYA, R. Cucumber breeding. IV. (Ja) Kurume. Hort. Res. Sta. Bull. Ser. D, 3:37-56. Ref. Mar. 1965. 87 K943
English summary.
- 54381 GANZ, G. Potato culture 1966. (Ge) Grune 94(7):235-237. Feb.18,1966. 17 Sch9
Culture and varieties.
- 54382 GARIBYAN, G. A. Peculiarities of growth and development of tomato and pepper shoots under synthetic transparent plastics. (Arm) Armenian SSR. Ministerstvo Proizvodstva i Zagotovok Sel'skokhozyaistvennykh Produktov. Izvestiya 8/9:29-41. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:22. July 1965. Film S-202
- 54383 GARTE, L. New cultural methods for pickling cucumbers? (Ge) Indus. Obst- Gemuseverwertung 51(5):139-141. Mar.3,1966. 389.8 K832
- 54384 HAJDU, M. Potato culture using pre-sprouting method. (Hu) Magyar Mezogazdasag 21(9):10-11. Mar.2,1966. 19 M27
- 54385 HALDER, C. Ergebnisse der Sortenversuche mit Kartoffeln und Futterruben 1965 [Results of varietal tests with potatoes and turnips 1965]. Gumpenstein. Bundesanst. Alpenlandische Landwirt. Versergeb. 74, 44 p. 1966. 19 Ad6V
- 54386 HAMMANN, H. Field bean production—yes or no? (Ge) Grune 94(11):384-385. Mar.18,1966. 17 Sch9
Chiefly culture of *Vicia faba* in Switzerland.
- 54387 HASTINGS, R. 1967 all-America selections. Seed World 98(5):4,6,8,10. Mar.11,1966. 61.8 Se 52
Varieties of vegetables and flowers.
- 54388 HENDERSON, I. C. Quality potatoes. Agr. Northern Ireland 40(10):300-302. Feb.1966. 256.13 Ag82M
Culture of seed potatoes.
- 54389 HERMES, J. B. H. Lettuce culture from A to Z. (Du) Groenten Fruit 21(38):1737. Apr.6, 1966. 80 G89
- 54390 HRONES, J. More attention to the culture of potatoes. (Cz) Za Vysokou Urodu 14(1):15. Jan.12,1966. 64.8 Z12
- 54391 HUYSKES, J. A. Selection of witloof. (Du) Zaadbelangen 19(20):524-525. Oct.30,1965. 61.8 Z1
Varieties and culture.
- 54392 ITO, P. J., and CURRENCE, T. M. Inbreeding and heterosis in asparagus. Amer. Soc. Hort. Sci. Proc. 86:338-346. Ref. June 1965. 81 S012
- 54393 JOHNSON, W. B. Recommendations for asparagus growers. Rutgers State Univ. Ext. Leaflet. 400, 3 p. Dec.1965. 275.29 N46L
- 54394 KABIERSCH, U. Theory and practice in spray killing of potatoes. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(2):31-32. Feb.15,1966. 58.8 D81
Vine killing.
- 54395 KAMBO, Q. Chemico-technological evaluation of some varieties of tomatoes. (Al) Bul. Shkencave Bujquesore 4(3):61-88. Ref. 1965. 21.5 B87
English summary.
- 54396 KATSUMATA, H., and YASUI, H. Studies on the reference to some basic features concerning the improvement of the variety in the short-root carrot, *Daucus carota* L. (Ja) Kurume. Hort. Res. Sta. Bull. Ser. D, 3:79-112. Ref. Mar.1965. 87 K943
English summary.

- 54397 KENNELLY, A. G. Farm and market garden production of turnips and swedes require different techniques. New Zeal. J. Agr. 112(2):81, 83. Feb.1966. 23 N48J Culture.
- 54398 KIRSCHENBAUM, J. 1965 survey of harvesting and freezing of vegetables and fruits by state and month for the United States. Quick Frozen Foods 28(3):120-125, map. Oct.1965. 389.8 Q4
- 54399 Klapwijk, S. J. Growing field radishes on the IJsselmonde island. (Du) Groenten Fruit 21(22, i.e.32):1459. Feb.23, 1966. 80 G89
- 54400 KNAVEL, D. E. Influence of container, container size, and spacing on growth of transplants and yields in tomato. Amer. Soc. Hort. Sci. Proc. 86:582-586. Ref. June 1965. 81 So12 Culture.
- 54401 KOBABE, G. Problem of breeding of new vegetable varieties with higher component content. (Ge) Indus. Obst- Gemuseverwertung 51(5): 122-123. Mar.3, 1966. 389.8 K832
- 54402 KOMEN, G. Prattle on vegetables. I-IV. (Du) Zaadbelangen 19(14):290-292; (15):314-316; (18):440-442; (20):526-527. July 31-Aug.16, Sept.30, Oct.30, 1965. 61.8 Z1 Culture.
- 54403 KOMOCHI, S. Factors controlling earliness in F¹ hybrids of eggplant. (Ja) Jap. J. Breeding 16(1):31-38. Ref. Mar.1966. 64.8 J27 English summary.
- 54404 KONONENKO, A. G. Agrobiological peculiarities of early watermelon varieties. (Uk) Kartoplya, ovochevi ta bashtanni kul'tury 1:132-140. 1964. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:24. July 1965. Film S-202
- 54405 KOOMEN, J. P. Increased interest in blanched celery. (Du) Groenten Fruit 21(34):1533. Mar.9, 1966. 80 G89 Culture.
- 54406 KORABLEV, YU. N. Changes of biological and morphological features of the early whitehead cabbage as an effect of grafting. (Rus) Agrobiologiya 4:515-519. Aug.1965. 20 Ag822 Experimental hybridization of cabbage varieties.
- 54407 KORZUN, G. P. Biochemical and physiological peculiarities of intervarietal tomato hybrids and their parental forms. (Uk) Kartoplya, ovochevi ta bashtanni kul'tury 1:96-101. 1964. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:22-23. July 1965. Film S-202
- 54408 KRAKER, J. DE. Spinach in the summer. (Du) Groenten Fruit 21(38):1715. Apr.6, 1966. 80 G89 Culture.
- 54409 KRODEL, F. Green cabbage culture with on the spot planting. (Ge) Indus. Obst- Gemuseverwertung 51(5):142-146. Mar.3, 1966. 389.8 K832
- 54410 LABEEUW, N. Field culture of lettuce in coldframes. (Fl) Tuinbouwberichten 29(8):331. Aug.1965. 80 T817
- 54411 LABEEUW, N. Pruning of melons. (Fl) Tuinbouwberichten 29(7):294. July 1965. 80 T817
- 54412 LACHMAN, W. H. The influence of line crosses on the variability of Golden Beauty sweet corn. Amer. Soc. Hort. Sci. Proc. 86: 421-423. June 1965. 81 So12 Hybrids; in Massachusetts.
- 54413 LEFEVRE, G., and HIROUX, G. Contribution to the study of the maturation on the plant of two varieties of peas for canning. (Fr) Ann. Agron. 16(4):449-463. 1965. 14 F8499 English summary. Determination of best harvesting time.
- 54414 LOBL, D., ENACHESCU, C., and CIRSTEIA, M. Extending period of consumption of tomatoes and cauliflowers. (Rum) Gradina Via Livada 14(9):12-17. Sept.1965. 80 G75 Planting date of early and late varieties.
- 54415 MACK, H. J. Effect of topping on yield of sweet corn. Amer. Soc. Hort. Sci. Proc. 86: 411-414. June 1965. 81 So12
- 54416 MARKO, V. Results of planting early and average ripening of potatoes at different time limits. (Al) Bul. Shkencave Bujqesore 4(3):49-60. 1965. 21.5 B87 English summary.
- 54417 MAYNARD, D. N., GERSTEN, B., and VERNELL, H. F. The distribution of calcium as related to internal tipburn, variety, and calcium nutrition in cabbage. Amer. Soc. Hort. Sci. Proc. 86:392-396. Ref. June 1965. 81 So12 Breeding varieties for the resistance of the disease.
- 54418 MINGES, P. A. Portrait of a good transplant. Amer. Veg. Grower 14(4):28-29. Apr.1966. 80 C733 Chiefly tomatoes and peppers.
- 54419 MURPHY, H. J., and others. Maine, New Hampshire, Vermont potato variety trials for 1965. Maine. Agr. Exp. Sta. Misc. Publ. 673, 34 p. Jan.1966. 100 M28S M. J. Goven, R. V. Akeley, P. T. Blood, W. R. Kelley, and R. Jensen, joint authors.
- 54420 MYKLEBUST, R., and APELAND, J. Carrot varieties. (No) Gartnyrket 56(10):197. Mar.4, 1966. 80 G1938
- 54421 NAGY, J. New spinach varieties. (Hu) Kerteszeti Szolesz. 15(5):20-21. Mar.1966. 80 K474
- 54422 NAGY, J. Seed yield of peas as affected by stand density. (Hu) Novenytermeles 15(1):43-52. Ref. Mar.1966. 64.8 N76 English summary.
- 54423 NELDER, J. A. Evolutionary experimentation in horticulture. J. Sci. Food. Agr. 17(1):7-9. Jan.1966. 382 So12 Experiment with celery.
- 54424 NICKLOW, C. W., DOWNES, J., and MARKARIAN, D. Commercial muskmelon production in Michigan. Mich. State Univ. Ext. Ext. Bull. E-418, 6 p.-folder. Dec.1965. 275.29 M58B Culture.
- 54425 ODLAND, M. L., NOLL, C. J., and RUNNER, M. H. 1965 vegetable variety trials. Penn. Agr. Exp. Sta. Progr. Rep. 263, 8 p. Mar.1966. 100 P381P
- 54426 OREGON, STATE UNIVERSITY. FEDERAL COOPERATIVE EXTENSION SERV. Fresh market and home garden vegetable varieties. Oreg. State Univ. Ext. Ext. Circ. 671, rev., 5 p. folder. Feb.1966. 275.29 Or32C
- 54427 OTVOS, S. Cultural practices for sweetcorn. (Rum) Gradina Via Livada 14(5):13-16. May 1965. 80 G75
- 54428 PANAIT, T. Optimal planting date for spinach in order to get early yields. (Rum) Gradina Via Livada 14(9):24-27. Sept.1965. 80 G75
- 54429 PARKER, M. W. Development in plant breeding. United Fresh Fruit Veg. Ass. Yearbook 1966:85-86, 88, 90. 280.3939 Un3
- 54430 PASKVAN, R. Importance and costs of the culture of artichokes. (Se) Poljoprivredni Pregl. 14(3/4):147-151. Mar./Apr.1965. 21.5 P753
- 54431 PIKULIN, L. G., and MASHENKOV, V. A. Luminescence of potato proteins. (Rus) Zhurnal prikladnoi spektroskopii 1(1):62-65. 1964. (Not in Libr.) Analysis. Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:20. July 1965. Film S-202
- 54432 POGACSAS, GY., and FERENCZY, E. Timely problems in the modern large-scale pea production. I. (Hu) Magyar Mezogazdasag 21(7): 8-9. Feb.16, 1966. 19 M27 Culture.
- 54433 POPLACINEL, G., and IORDACHESCU, O. The culture of lettuce under polyethylene. (Rum) Gradina Via Livada 14(9):17-24. Sept. 1965. 80 G75

- 54434 PRASHAR, P., and MARTIN, D. Selected list, 1966 vegetable varieties for South Dakota. S. Dak. State Univ. Ext. FS 296,6 p.-folder. Jan. 1966. 275.29 So85Fs
- 54435 PUSHKARNATH. Potato research and development in India. Bharat Krishak Samaj. Year Book 1964:429-436. 22 B46
Chiefly culture.
- 54436 QUINONES, F. A. Correlations of characters in dry beans. Amer. Soc. Hort. Sci. Proc. 86: 368-372. Ref. June 1965. 81 So12
Varieties.
- 54437 RAALTEN, W. J. VAN. Control of spinach mosaic through breeding. (Du) Zaadbelangen 19(15):308,310-311. Aug.16,1965. 61.8 Z1
Cucumis-virus 1.
- 54438 RAUTAVAARA, T. Mushroom growing. 1. (Fi) Puutarha 68(8):439-449. 1965. 80 P99
English summary, contents and summaries, p.1.
- 54439 RODENBURG, C. M., and HUYSKES, J. A. Identification of lettuce varieties. (Du) Zaadbelangen 19(16):328-332. Aug.13,1965. 61.8 Z1
From the young plant.
- 54440 ROMANOVA, A. M. Method for growing early tomatoes on open field. (Rus) Kazanskii Sel'skokhozyaistvennyi Institut. Trudy 44:105-117. 1964. 106 K183
Under plastic covers.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:23. July 1965. Film S-202
- 54441 ROUX, A. Tour through pea varieties with special attention to grain size, development time, and grain color. (Ge) Indus. Obst- Gemuse-verwertung 51(5):126-127. Mar.3,1966. 389.8 K832
- 54442 SANDSTED, R. F. Commercial snap bean production in New York State. Cornell Univ. Ext. Cornell Ext. Bull. 1163,30 p.,map. Apr.1966. 275.29 N48E
- 54443 SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Peppers. Va. Polytech. Inst. Ext. Circ. 720,rev.,3 p. Feb.1966. 275.29 V81C
Culture.
- 54444 SCHONEVELD, J. A. Witloof thinning, quick, safe and—. (Du) Groenten Fruit 21(38):1733. Apr.6,1966. 80 G89
- 54445 SCHRADER, E. Vine killing in potatoes. (Ge) Mitt. Deut. Landwirt.-Ges. 80(30):1185-1186, 1189-1190. July 29,1965. 18 N39
- 54446 SCOTT, F. H., and others. Sweet potato variety trials—1965. Va. Agr. Exp. Sta. Res. Rep. 106,12 p. Feb.1966. 100 V81R
F. W. Cooler, A. V. Watts, and E. M. Dunton, joint authors.
- 54447 SEN, S., GUPTA, K. S., and MUKERJEE, D. New gram varieties for West Bengal. Indian Farming 15(6):6-7. Sept.1965. 22 In283
- 54448 SHCHIBRYA, N. A. Problems of potato growing in south as elaborated at Maikopsk Experiment Station of the Vsesoyuznyi Institut Rasteniievodstva. (Rus) Vsesoyuznyi Institut Rasteniievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 3:125-134. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:21. July 1965. Film S-202
- 54449 SHCHIBRYA, N. A. Results and additional studies on Jerusalem artichokes. (Rus) Vsesoyuznyi Institut Rasteniievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 3:146-157. 1964. (Not in Libr.)
Breeding.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:11. July 1965. Film S-202
- 54450 SHMARAEV, G. E., BARSUKOV, G. E., and BESHKUROV, V. P. Agrobiological study of edible corn variety collection. (Rus) Vsesoyuznyi Institut Rasteniievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 3:5-22. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:17. July 1965. Film S-202
- 54451 SIDOROV, F. F., and PARAMONOV, F. F. Sweetcorn in collection of All-Union Research Institut for Plant Growing [Vsesoyuznyi Nauchno-Issledovatel'skii Institut Rasteniievodstva]. (Rus) Kukuruza 10:40-42. 1964. 59.8 K95
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:17. July 1965. Film S-202
- 54452 SILVESTRE, P. Grain legumes. (Fr) Agron. Trop. [Paris] 20(10):987-989. Oct.1965. 26 Ag86
Culture of the cowpea *Vigna unguiculata* in Africa.
- 54453 SIMS, W. L., and ZAHARA, M. Planting dates for mechanical harvesting of cucumbers. Calif. Agr. 20(1):11. Jan.1966. 100 C12Cag
- 54454 SISTRUNK, W. A., BAILEY, F. L., and KATTAN, A. A. Influence of maturity on yield and quality of fresh and canned southern peas. Amer. Soc. Hort. Sci. Proc. 86:491-497. Ref. June 1965. 81 So12
- 54455 SLOBBE, A. Growth influence on coldframe tomatoes. (Du) Groenten Fruit 21(36):1452. Mar.23,1966. 80 G89
- 54456 STEWART, F. B. Row spacing of determinate, bunch-type southern peas. Amer. Soc. Hort. Sci. Proc. 86:484-486. June 1965. 81 So12
In Virginia.
- 54457 THIES, H. Tomato culture under glass. (Ge) Lebendige Erde 6:242-244. Nov./Dec.1965. 18 L49
- 54458 TIBORCZ, GY. Fall and winter tasks in early vegetable production. (Hu) Kerteszeti Szulesz. 14(24):15-16. Dec.1965. 80 K474
- 54459 TODA, S., ABE, M., and HASEGAWA, H. Varietal trials of dent corn hybrid, "Dent Cross504". Ohio W64. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:56-61, map. Mar.1965. 107.6 H68
English summary.
- 54460 TODA, S., ABE, M., and HASEGAWA, H. Varietal trials of dent-flint corn hybrid, "Dent-Flint Cross 6." (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:51-55. Mar.1965. 107.6 H68
English summary.
- 54461 TODA, S., and others. Varietal trials of sweet corn hybrid, "Golden Beauty." (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:62-67, map. Mar.1965. 107.6 H68
M. Abe, H. Hasegawa, S. Nagata, and H. Yoshimura, joint authors.
English summary.
- 54462 TOLEMAN, E. E. Careful planning makes possible a continuous supply of winter vegetables. New Zeal. J. Agr. 112(3):79-81,83. Mar. 1966. 23 N48J
Culture.
- 54463 TORFS, P. Vegetative propagation of cauliflower. (Fl) Tuinbouwberichten 29(8):329-331. Aug.1965. 80 T817
- 54464 TURNQUIST, O. C. 1966 vegetable varieties. Minn. Univ. Ext. Ext. Folder 154,16 p., map. Feb.1966. 275.29 M66Ex
- 54465 UKKELBERG, H. G., and HARMON, S. A. Vegetable production on Coastal Bermudagrass sod. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 243,10 p. Jan.1966. 100 G293M
For control of soil-borne diseases.
- 54466 VLUG, J. Lettuce varieties for summer culture. (Du) Groenten Fruit 21(36):1453. Mar.23,1966. 80 G89

- 54467 VREEKEN, W. Advisory services and variety selection. (Du) Zaadbelangen 19(24):615-616. Dec.31,1965. 61.8 Z1
Vegetables.
- 54468 WAGENINGEN, INSTITUUT VOOR DE VERED-
ELING VAN TUNBOUWGEWASSEN. 18e ras-
senlijst voor groentegewassen [18th variety
list for vegetables]. Wageningen, 1966. 192 p.
86 W12B
- 54469 WALLACE, J. C. Lettuce are easy, but—Agr.
Northern Ireland 40(6):189-192. Oct.1965.
256.13 Ag82M
Culture.
- 54470 ZMESKAL, O. A contribution to the defolia-
tion of legumes. (Cz) Za Vysokou Urodu 13
(8):304-305. Aug.2,1965. 64.8 Z12
- WEEDS AND POISONOUS PLANTS**
- 54471 ALBAN, E. K. A wide angle look at herbicides.
Amer. Veg. Grower 14(4):20,22-23. Apr.1966.
80 C733
Includes weed control guides for tomatoes
and potatoes.
- 54472 ALKHAS'YANTS, E. L., and SUDARS, L. P.
Experiment in herbicide application by air-
craft. (Rus) Khlopkovodstvo 2:43-44. Feb.
1966. 72.8 K522
On cotton.
- 54473 ALLEY, H. P. An evaluation of herbicide mix-
tures for annual weed control in sugar beets.
Diss. Abs. 26(9):4988. Mar.1966. 241.8 M58
- 54474 ALLEY, H. P. Here's your guide to controlling
weeds on Western rangelands. Farm. Technol.
22(3):11-12,68. Mar.1966. 275.28 N213
Chemical control.
- 54475 ANTONELLI, C., and CASTAGNA, G. Chemi-
cal weed control of salad plants. (It) Prog.
Agr. [Bologna] 9(2):211-227. Feb.1965.
58.8 P94
- 54476 BAYER, G. H. Corn weed control for 1966.
Agway Coop. 2(4):12-13. Apr.1966. 280.28 Ag9
Atrazine used.
- 54477 BAYER, G. H. Treflan, a new weed killer for
vegetables. Agway Coop. 2(4):16-17. Apr.
1966. 280.28 Ag9
- 54478 BEHRENS, R., and others. Cultural and chemi-
cal weed control in field crops, 1966. Minn.
Univ. Ext. Folder 212,rev.,16 p. Dec.
1965. 275.29 M66Ex
G. R. Miller, J. R. Justin, H. J. Otto, R. G.
Robinson, and R. N. Andersen, joint authors.
- 54479 BINGHAM, S. W., and KATES, A. H. 1966
herbicide recommendations: control of annual
weeds in flower beds. Va. Polytech. Inst. Ext.
Leaflet. 217,2 p. Jan.1966. 275.29 V81L
- 54480 BINGHAM, S. W., and KATES, A. H. 1966
herbicide recommendations: weeds of turf
(bluegrass, fescue, Bermudagrass, and bent-
grass). Va. Polytech. Inst. Ext. Circ. 995,4 p.
Jan.1966. 275.29 V81C
- 54481 BINGHAM, S. W. 1966 herbicide recommenda-
tions: weeds of woody nursery stock. Va.
Polytech. Inst. Ext. Circ. 994,4 p. Jan.1966.
275.29 V81C
- 54482 BLASZYK, P. Weed control in vegetable cul-
ture. (Ge) Lohnunternehmen Land- Forst-
wirtsch. 21(2):28-30. Feb.15,1966. 58.8 D81
Chemical.
- 54483 BOGDANOV, M. P. Weeds in Caspian and
Khachmas lowland. (Rus) Akad. Nauk Azerb.
SSR. Izv. Ser. Biol. Nauk 6:3-10. 1964.
442.9 Ak132
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55,
Rastenievod. 14:46. July 1965. Film S-202
- 54484 BRAGINSKII, L. P. Method of selecting algi-
cides effective against blue-green algae. (Rus)
In Ekologiya i fiziologiya sinezelenykh vodoros-
lei 1965:250-257. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(seet.D):42.
Oct.1965. 241.7 R25
- 54485 BRUIN, H. J. DE. Weed control in beets, peas,
and potatoes. (Du) Loonbedrijf Land- Tuin-
bouw 19(2):137,141. Feb.1966. 283.8 L87
Chemical.
- 54486 BRUIN, H. J. DE. Weed control in winter
grain through use of chemicals in the autumn.
(Du) Loonbedrijf Land- Tuinbouw 18(10):789,
791. Oct.1965. 283.8 L87
- 54487 BURSCHEL, P. Herbicides and soil. (Ge)
Zeitschrift Pflanzenkrankh. (Pflanzenpathol.)
Pflanzenschutz. Sonderheft 2:116-123. Ref.
1964. 464.8 Z33
English summary.
Effects of soil types and properties on herbi-
cides and effects of herbicides on soils.
- 54488 CATTABRIGA, D. Weed control by fire, new
cultural technique. (It) Genio Rurale 29(2):
169-175. Feb.1966. 281.8 R522
- 54489 CHAPPELL, W. E. 1966 herbicide recommen-
dations: non-selective control of perennial
weeds. Va. Polytech. Inst. Ext. Circ. 999,4 p.
Feb.1966. 275.29 V81C
- 54490 CHUPRIN, I. A., and KRYLOV, YU. A. Long
lasting contact herbicides for control of weeds
in irrigation canals. (Rus) Khim. Sel'skom
Khoz. 6:68-70. June 1965. 385 K524
Coal tar
- 54491 CLAASSEN, M. M. Shattercane makes new in-
roads in our row crops. Crops Soils 18(3):15-
16. Dec.1965. 6 W55
An "escaped" forage sorghum as weed,
chiefly on corn fields.
- 54492 COLLABORATIVE PESTICIDES ANALYTICAL
COMMITTEE. Recommended analytical meth-
ods for pesticides. 30. Propham technical.
FAO Plant Protect. Bull. 13(2):38-41. Apr.
1965. 421 P692
- 54493 COLLABORATIVE PESTICIDES ANALYTICAL
COMMITTEE. Recommended analytical meth-
ods for pesticides. 31. Chlorpropham technical.
FAO Plant Protect. Bull. 13(3):65-66. June
1965. 421 P692
- 54494 COOK, C. W., LEONARD, P. D., and BONHAM,
C. D. Rabbitbrush [Chrysothamnus spp.] com-
petition and control on Utah rangelands. Utah.
Agr. Exp. Sta. Bull. 454,28 p. Ref. Sept.1965.
100 Utl
Brush competition with forage grasses con-
trolled with 2,4-D (Esteron 76-E).
- 54495 CSONGRADY, MRS. M. Chemical weed control
in carrot and parsley. (Hu) Mezogazdasagi
Vilagirodalom 8(1):22-25. Ref. 1966. 19 M577
Review of the literature.
- 54496 CSONGRADY, MRS. M. Chemical weed control
in our fruit orchards is a task for early spring.
(Hu) Kerteszeti Szulesz. 15(5):7. Mar.1966.
80 K474
- 54497 DANKO, J., and STEFKO, G. Comparison of
the effects of growth stimulator and contact
types of herbicides used in spring grain. (Cz)
Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak.
Prevadzko-Ekon. Fak. Sb. 8:123-130. 1964.
281.9 N632
English summary.
Herbicides based on MCPA and DNOC.
- 54498 DAVIS, C. Economics of chemical weed con-
trol. Crop Comments 19(7):1,3. Jan./Feb.
1966. 57.8 C88
Costs.
- 54499 DERSCHIED, L. A., FROST, K. R., and
WRIGHT, W. G. Control & elimination of field
bindweed [Convolvulus arvensis]. S. Dak.
State Univ. Ext. FS 306,4 p. Mar.1966.
275.29 S085Fs
In field crops.
- 54500 DETROUX, L., MARTENS, M., and PEETERS,
G. Some new aspects of chemical weed control
in commercial sugar-beet crops. (Fr) Inst.
Belge Amelior. Betterave. Publ. 4:137-154.
1965. 66.9 In7
English summary.
Text also in Flemish.

- 54501 ELLIOTT, J. G., and COX, T. L. The development of selective herbicides for kale in the United Kingdom. I. Weeds Res. 5(3):257-265. Ref. Sept.1965. 79.8 W412
- 54502 FISHER, V. J. The effect of weed control by isocil and bromacil on growth of young peach and apple trees. Amer. Soc. Hort. Sci. Proc. 86:148-151. June 1965. 81 So12
- 54503 FRIEDERICH, J. C. Weed control in flax. (Du) Loonbedrijf Land- Tuinbouw 19(2):145. Feb.1966. 283.8 L87
Chemical.
- 54504 FROHNER, W. Weed control in sugar beets. (Ge) Presse-Umschau 16(4):6-13. 1965. 19 L237
With Avadex and Pyramin.
- 54505 FROST, K. R., DERSCHIED, L. A., and WRIGHT, W. G. Weed control in corn. S. Dak. State Univ. Ext. FS 305,6 p.-folder. Feb.1966. 275.29 So85Fs
Chemical control.
- 54506 FROST, K. R., DERSCHIED, L. A., and WRIGHT, W. G. Weed control in sorghum. S. Dak. State Univ. Ext. FS 304,4 p. Feb.1966. 275.29 So85Fs
Chemical control.
- 54507 GALEEV, N. A. Chemical control of vegetable weeds. (Rus) Kazanskii Gosudarstvennyi Pedagogicheskii Institut. Trudy 1:248-280. 1964. (Not in Libr.)
With petroleum.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:48. July 1965. Film S-202
- 54508 GODDRIE, P. D. New aspects of chemical control of small fruit weeds. (Du) Groenten Fruit 21(31):1408-1409. Feb.16,1966. 80 G89
- 54509 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Annual nettle [*Urtica urens*]. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 47,rev.,4 p. Feb.1966. 10 G79La
Chemical control in vegetables and fruit.
- 54510 GRIFFITHS, M. H., and others. The comparative metabolism of 2,6-dichlorothiobenzamide (Prefix) and 2,6-dichlorobenzonitrile in the dog and rat. Biochem. J. 98(3):770-781. Ref. Mar.1966. 382 B52
J. A. Moss, J. A. Rose, and D. E. Hathway, joint authors.
Herbicides.
- 54511 GRZENDA, A. R., NICHOLSON, H. P., and COX, W. S. Persistence of four herbicides in pond water. Amer. Water Works Ass. J. 58(3):326-332. Ref. Mar.1966. 292.9 Am32J
For control of aquatic weeds.
- 54512 HAASE, H. Plant protection which pays off. (Ge) DLZ (Deut. Landtech. Z.) 17(3):133. Mar. 1966. 58.8 T677
Chemical weed control of field crops.
- 54513 HAFNER, K. Studies on the use of simazine and atrazine in winter wheat. (Ge) Weeds Res. 5(3):226-236. Ref. Sept.1965. 79.8 W412
English summary.
- 54514 HAUSER, E. W. Watch for these new techniques in herbicide application! Farm. Technol. 22(3):9-10. Mar.1966. 275.28 N213
Includes equipment.
- 54515 HEFFNER, J. F., and WOLFF, W. F. Cost of using geese to control weeds in cotton. La. Rural Econ. 27(3):14-15. Aug.1965. 281.8 L93
- 54516 HEUVER, M. Control of couch-grass and little coltsfoot. (Du) Loonbedrijf Land- Tuinbouw 18(7):591,593,595. July 1965. 283.8 L87
Chemical.
- 54517 HEUVER, M. New herbicides for grain, peas, beans, and potatoes. (Du) Loonbedrijf Land- Tuinbouw 18(4):329,331,333. Apr.1965. 283.8 L87
Approved for use.
- 54518 HEUVER, M. Weed control in seed grasses. (Du) Loonbedrijf Land- Tuinbouw 18(8):647-649. Aug.1965. 283.8 L87
- 54519 HEWETSON, F. N. New developments in orchard weed control. Amer. Fruit Grower 86(4):21,53. Apr.1966. 80 G85
- 54520 HEYWOOD, B. J. Herbicides. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:357-364. Ref. 1964. 382 M31R
Literature review.
- 54521 HIGGINS, R. E. Musk thistle [*Carduus nutans*] and its control. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 20,2 p. Feb.1966. 275.29 Id13Idc
Control with 2,4-D and cultural control.
- 54522 HILDEBRAND, S. C., and MEGGITT, W. F. Michigan corn production; weed control. Mich. State Univ. Ext. Bull. 438,rev.,4 p. Jan. 1966. 275.29 M58B
Chiefly chemical control.
- 54523 HOLLINGSWORTH, E. B. Waterstargrass [*Heteranthera dubia*] as an aquatic weed. Ark. Agr. Exp. Sta. Bull. 705,35 p.,map. Ref. Jan. 1966. 100 Ar42
U. S. Department of Agriculture, cooperating.
- 54524 HOROWITZ, M. Organization of weed research in Israel. Weeds Res. 5(3):277-278. Sept.1965. 79.8 W412
On the activities of the Plant Protection Department of the Volcani.
- 54525 IL'IN, S. S., and MINIBAEV, R. G. Method for investigation of weeds in field crops. (Rus) Kazanskii Gosudarstvennyi Pedagogicheskii Institut Trudy 1:157-235. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniievod. 14:47. July 1965. Film S-202
- 54526 ISHIKAWA, T. Studies on growth and prevention of weeds in the cultivated field in the warm region of Japan. I. On the growth of weeds in upland and lowland, and the effect of tillage on weeds. (Ja) Miyazaki. Univ. Fac. Agr. Bull. 10(2):245-252. Mar.1965. 22.5 M6932B
English summary.
- 54527 JAYANGODAR, I. S., and GANAPATI, S. V. Algae of importance and their control in water supplies. Hydrobiologia 26(3/4):317-330. Ref. Nov.30,1965. 410 H992
- 54528 JOHNSON, J. R., and others. Weed control in field crops, 1966. Ga. Univ. Ext. Circ. 408, rev.,12 p.-folder. Jan.1966. 275.29 G29C
J. F. McGill, W. H. Gurley, J. E. Jackson, W. H. Hogan, and J. F. Miller, joint authors.
Chemical control.
- 54529 KATES, A. H. 1966 herbicide recommendations: weeds in lakes and farm ponds. Va. Polytech. Inst. Ext. Circ. 1003,4 p. Feb.1966. 275.29 V81C
- 54530 KAUPKE, C. R., and YATES, W. E. Physical properties and drift characteristics of viscosity-modified agricultural sprays. Amer. Soc. Agr. Eng. Pap. 641,15 p. Ref. 1965. 290.9 Am32P
Herbicides.
- 54531 KEES, H., and WENDLAND, E. J. Possibilities and limitations of chemical weed control in potatoes on various types of soil. (Ge) Bayer. Landwirt. Jahrbuch 42(4):468-476. Ref. 1965. 18 L24
- 54532 KNAKE, E. L. Herbicides to control weeds in corn. Hoard's Dairyman 111(8):507,531. Apr.25,1966. 44.8 H65
- 54533 KNAKE, E. L. Quack grass [*Agropyron repens*] can be controlled. Hoard's Dairyman 111(7):434,483. Apr.10,1966. 44.8 H65
Chemical control with atrazine, amitrol-T, and dalapon.
- 54534 KOERT, J. L. Chemical control of weeds in onions and shallots. (Du) Groenten Fruit 21(38):1719. Apr.6,1966. 80 G89
- 54535 KRAMMES, J. S., and WILLETS, D. B. Effect of 2,4-D and 2,4,5-T on water quality after a spraying treatment. U. S. Forest Serv. Res. Note PSW-52,4 p. 1964. A99.9 F7652
Water pollution in relation to herbicidal spraying for vegetation conversion in watersheds.

- 54536 KROPAC, Z. Contribution to the study of the influence of various stubble tillage procedures on the holding down of weeds on heavy soils. (Ge) Albrecht-Thaer-Arch. 9(3):253-283. Ref. 1965. 18 AL1
English summary.
- 54537 KUFNER, W. Control of the alpine dock (*Rumex alpinus* L.). (Ge) Bayer. Landwirt. Jahrbuch 42(4):487-500. 1965. 18 L24
Mechanical and chemical control.
- 54538 LEE, W. O. The distribution, growth habits, and control of German velvetgrass (*Holcus mollis* L.) in western Oregon. Diss. Abs. 26 (9):4918. Mar. 1966. 241.8 M58
- 54539 LEHMAN, S. K., HAAS, R. H., and JETER, B. E. Control of macartney rose, *Rosa bracteata* Wendl., with aerial and ground application of picloram (4-amino-3,5,6-trichloropicolinic acid). Tex. Agr. Exp. Sta. Progr. Rep. PR-2383, 9 p. Dec. 10, 1965. 100 T31P
On Texas rangeland.
- 54540 LINDEGAARD, J. Weeds in winter grain. (Da) Landbonyt 19(9):318-320. Sept. 1965. 11 L2322
Chemical control.
- 54541 LISK, D. J., and MATTICK, L. R. Determination of insensitive pesticide residues by the formation of derivatives. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p. 41-52. 1965. 387 M43
Herbicides, chiefly.
- 54542 LIVINGSTON, R. L., and others. Weed control in horticultural crops, 1966. Ga. Univ. Ext. Circ. 544, rev., 8 p.-folder. Feb. 1966. 275.29 G29C
J. M. Barber, C. D. Spivey, W. H. Hogan, and J. F. Miller, joint authors.
Chemical control in vegetables and fruits.
- 54543 MARIN H., C. Notes on chemical weed control. (Sp) Agr. Trop. 21(7):373-375. July 1965. 26 Ag8
- 54544 MARYLAND, UNIVERSITY. COOPERATIVE EXTENSION SERV. Weed control chart for vegetable crops. Md. Univ. Ext. Leaflet. 42, 2 p. Jan. 1966. 275.29 M36EL
Chemical control.
- 54545 MEGGITT, W. F., and ERDMANN, M. H. Weed control in field crops. Mich. State Univ. Ext. Ext. Bull. E-434, rev., 8 p. Feb. 1966. 275.29 M58B
Chiefly chemical control.
- 54546 MILLAUD, R. A method of eradicating *Cyperus rotundus*. S. Pacific Bull 15(3):51-52. July 1965. 280.8 So89
Chemical control in Tahiti.
- 54547 MISI, S., and FEKETE, J. Dikonirt plus carbamide. (Hu) Magyar Mezogazdasag 21(11):7-8. (Cont.) Mar. 16, 1966. 19 M27
Weed control and foliar fertilization of grain.
- 54548 MUKHERJI, S. K., and SENGUPTA, S. K. Control of algal weeds in paddy fields in West Bengal, India. FAO Plant Protect. Bull. 12(6):129-130. Dec. 1964. 421 P692
With soluble copper compounds.
- 54549 NEGRASH, A. K., and BONDARENKO, A. S. Algicidal activity of aquatic and coastal plants relative to culture of the blue-green alga *Anabaena flos-aquae*. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:227-230. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.D):42. Oct. 1965. 241.7 R25
- 54550 NESTER, R. P. Chemical weed control in field corn. Ark. Univ. Ext. Leaflet. 346, rev., 8 p.-folder. Mar. 1966. 275.29 Ar4Le
- 54551 1965 WEED control guide. Farm Technol. 21 (3):31-54. Mar. 1965. 275.28 N213
- 54552 NODA, K., and EGUCHI, S. Studies on ecology of weeds on arable lands. I. Emergence patterns of annual representative weeds which are commonly found on the paddy rice fields in south-western Japan. Kyushu Agr. Exp. Sta. Bull. 11(2):153-170. Ref. Aug. 1965. 107.6 K996B
- 54553 OREGON, STATE UNIVERSITY. FEDERAL COOPERATIVE EXTENSION SERV. 1966 weed control recommendations for commercial vegetable crops. Oreg. State Univ. Ext. FS 6, rev., 2 p. Mar. 1966. 275.29 Or36
Chemical control.
- 54554 OREGON, STATE UNIVERSITY. FEDERAL COOPERATIVE EXTENSION SERV. 1966 weed control recommendations for fruit crops. Oreg. State Univ. Ext. FS 7, rev., 2 p. Mar. 1966. 275.29 Or36
Chemical control.
- 54555 PASZTOR, K. Chemical weed control experiments. (Hu) Magyar Mezogazdasag 21(9):12-13. Mar. 2, 1966. 19 M27
With Dikonirt, Hugazin and A-1114 on corn.
- 54556 PEARCE, G. A. Current weed problems. Dairy Notes 2(1):5-6. Jan. 1965. 44.8 D1429
2,4,5-T, 2,2-DPA, 2,4-D as pasture weed control.
- 54557 PEARCE, G. A. Current weed problems. Dairy Notes 2(2):9-10. Apr. 1965. 44.8 D1439
Diquat, paraquat as pasture weed control.
- 54558 PERSSON, A. R. Combined use of asphalt emulsion and herbicides. (No) Gartneryrket 56(10):196,216. Mar. 4, 1966. 80 G1938
- 54559 PUTNAM, A. R., and others. Chemical weed control for horticultural crops. Mich. State Univ. Ext. Ext. Bull. 433, rev., 8 p. Mar. 1966. 275.29 M58B
S. K. Ries, J. Hull, and R. P. Larsen, joint authors.
Chemical control in vegetables, fruits, and ornamentals.
- 54560 RAJZYOVA, M. New means of the control of *Cuscuta* of clover stands. (Cz) Za Vysokou Urodu 14(1):33-34. Jan. 12, 1966. 64.8 Z12
- 54561 REEVES, B. G., and others. Suggestions for weed control with chemicals. Tex. Agr. Exp. Sta. B-1029, 48 p. 1965. 100 T31S
L. H. Wilkes, B. J. Cochran, T. E. Boswell, A. L. Harrison, G. O. Hoffman, R. H. Haas, W. G. McCully, A. F. Wiese, B. R. Spears, F. C. Elliott, H. E. Rea, A. C. Novosad, E. C. Holt, R. J. Miears, H. R. Hudgins, N. P. Maxwell, B. G. Hancock, J. B. Storey, J. E. Larsen, D. R. Paterson, R. M. Menges, J. H. Kyle, T. D. Longbrake, W. G. Klusmann, and J. M. Inglis, joint authors.
- 54562 REPUBLIC OF SOUTH AFRICA, DEPT. OF AGRICULTURAL TECHNICAL SERV. Jointed cactus, Enemy No. 1. Destroy it!! Farming S. Afr. 41(12,sup.), 4 p. Mar. 1966. 24 So842
- 54563 RIEPMA, P. The effect of herbicides on the relation between cover index and yield index. Weeds Res. 5(3):252-256. Sept. 1965. 79.8 W412
Tests with control of *Ottolochloa nodosa*, *Paspalum conjugatum*, and *Axonopus compressus*.
- 54564 ROJAS G, M. Herbicides useful in horticulture. (Sp) Agronomia [Monterrey] 105:8-17. Mar. 1966. 8 Ag828
Includes a table with common names, chemical formula, trade name, and producer.
- 54565 ROSS, N. W. Chemical weed control offers new opportunities in non-tillage cultivation. Blue Anchor 43(1):27-29. Feb. 1966. 286.83 B62
- 54566 SALZMANN, R. Problems of infestation and control of weeds in the field. (Ge) Grune 93 (22):771-789. Ref. May 28, 1965. 17 Sch9
Literature review.
- 54567 SHIMANSKII, B. A. Development of blue-green algae in reservoirs of thermoelectric power stations and measures for controlling them. (Rus) In *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:257-263. (Not in NAL)
Abstracted in Ref. Zh. Biol. 19(sect.D):41. Oct. 1965. 241.7 R25
- 54568 STANGER, C., and TRAVELLER, D. Herbicides show promise. Sugar Beet 18(47):6-9. Spring 1966. 66.8 Su34B
Testing; in Utah.

- 54569 STERRETT, J. P. 1966 herbicide recommendations: control of woody plants. Va. Polytech. Inst. Ext. Circ. 996,4 p. Jan.1966. 275.29 V81C
Chiefly brush and trees.
- 54570 STRYCKERS, J., and HIMME, M. VAN. Herbicidenschiftingsproeven over 1965 in akkerbouwgewassen resp. groenten [1965 trials with selective herbicides for field crops and vegetables]. Ghent. Landbouwhoogeschool. Centrum Onkruidonderz. Mededel. 3,19 p. Nov.15,1965. 79.9 G342M
- 54571 SUWANAMEK, U. Preemergence weed control in pineapple. Kasetsart J. 5(1):52-59. 1965. 22.5 K153
- 54572 SWAN, D. G. Weed control in cotton. Agrichem. West 9(3):17-18. Mar.1966. 381 Ag85
- 54573 SZILVASSY, L. Chemical weed control of rice. (Hu) Magyar Mezogazdasag 21(7):14-15. Feb.16,1966. 19 M27
- 54574 TAYLORSON, R. B. New herbicides for sweet potatoes. Amer. Soc. Hort. Sci. Proc. 86:517-522. June 1965. 81 So12
Includes effects on yields.
- 54575 TOLCHAN, G. A. Biological basis for weed control on pastures in Bryansk Region. (Rus) Nauchnaya Konferentsiya Prepodavatelei Novozybkovskogo Gosudarstvennogo Pedagogicheskogo Instituta. Sektsiya Khimii i Biologii. Materialy 8:57-60. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:46. July 1965. Film S-202
- 54576 TREVETT, M. F., and MURPHY, H. J. 1966 chemical weed killers. Maine. Agr. Exp. Sta. Misc. Publ. 672,60 p. Jan.1966. 100 M28S
Published jointly with Maine Cooperative Extension Service.
- 54577 UBRIZSY, G. New herbicides for corn. (Hu) Magyar Mezogazdasag 21(9):13-14. Mar.2, 1966. 19 M27
- 54578 UNDERWOOD, J. K. Tennessee weeds. Tenn. Agr. Exp. Sta. Bull. 393,113 p. May 1965. 100 T25S
- 54579 VERLAAT, J. G. Chemical weed control. (Du) Groenten Fruit 21(38):1725. Apr.6,1966. 80 G89
- 54580 VERLAAT, J. G. Dosage of herbicides. (Du) Groenten Fruit 21(22,i.e.32):1447,1449. Feb.23,1966. 80 G89
- 54581 VERMA, R. D., and BHARDWAJ, R. B. L. A study on the control of Sorghum halepense (L.) Pers. with 2,4-D, 2,4,5-T, TCA and cultivations. Indian J. Agr. Sci. 35(2):120-133. Ref. June 1965. 22 Ag83I
- 54582 VULPEN, J. VAN. Chemical weed control in grassland. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:20-21. 12 N3833J
- 54583 VULPEN, J. VAN. Possibilities of chemical weed control in drainage ditches. (Du) Landbouw. Landbouwvoorlichting 23(1):25-31. Jan.1966. 12 N383M
- 54584 WAL, D. V. D. Chemical control of plant growth in water courses. (Du) Loonbedrijf Land- Tuinbouw 18(5):423-425. May 1965. 283.8 L87
- 54585 WEED control in beet culture. (Ge) Tech. Landwirt. 18(3):60,62. Mar.15,1966. 58.8 T223
Calcium cyanamide in sugar and forage beet; weed and snail control.
- 54586 WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 chemical weed control for fruit crops: apples, grapes, cherries, raspberries, strawberries. Wis. Univ. Ext. Spec. Circ. 38,rev.,8 p.-folder. Jan.1966. 275.29 W75S
- 54587 WORKMAN, D. R., TEFERTILLER, K. R., and LEINWEBER, C. L. Profitability of aerial spraying to control mesquite. Tex. Agr. Exp. Sta. MP-784,12 p.,map. Sept.1965. 100 T31M
On Texas rangeland.
- 54588 YANA, A. Essais de lutte chimique contre les Typhas en Tunisie [Trial for chemical control of Typha in Tunisia]. Tunisie. Inst. Nat. Rech. Agron. Doc. Tech. 15,16 p. Ref. Nov.1965. 24 T839
- MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, etc.)
- 54589 BARNES, M. Chinese plants and derivatives. Soap. Perfumery Cosmetics 39(3):205-206. Mar.1966. 307.8 So13
Drug plants.
- 54590 BACHY, A. Influence of natural thinning on oil palm yield. (Fr) Oleagineux 20(10):575-577. Oct.1965. 77.8 OL2
English summary, p.XXXIX.
- 54591 BARRAU, J. A few words a propos of economic plants on the highlands of New Guinea. (Fr) J. Agr. Trop. Bot. Appl. 12(1/3):44-57. Ref. Jan./Mar.1965. 26 J822
- 54592 BARRETT, C. L. Planting with your bees in mind. Amer. Bee J. 106(3):90-91. Mar.1966. 424.8 Am3
Includes plants for various situations in connection with beautification program.
- 54593 CHEREVATENKO, V. A. Ecological and biological study of tea plant on the foothills of northeastern Caucasus. (Rus) Vsesoyuznyi Institut Rastenievodstva. Maikopskaya Opytnaya Stantsiya. Nauchnye Trudy 2:191-207. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:41. July 1965. Film S-202
- 54594 DEUTSCHE GESELLSCHAFT FÜR ARZNEI-PFLANZENFORSCHUNG. 13th meeting, June 9-12, 1965, in Hamburg; report by H. Friedrich. (Ge) Planta Med. 13(4):361-363, 488-495. Nov.1965. 450 P697
Includes brief resumes of some papers and abstracts of others.
- 54595 DUBLIN, P. The cola tree (Cola nitida) in the Central American Republic; culture and improvement. III. (Fr) Cafe, Cacao, The 9(4): 294-301. Oct./Dec.1965. 68.8 C112
- 54596 DUBROVITSKAYA, N. I., FURST, G. G., and CHALOVA, T. A. Biological peculiarities of cacao tree grown in greenhouse. (Rus) Moscov. Glav. Bot. Sad. B. 55:114-122. 1964. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:40-41. July 1965. Film S-202
- 54597 FELFOLDY, L. Algae culture. (Hu) Mezogazdasagi Vilagirodalom 7(6):487-491. Ref. 1965. 19 M577
Review of literature.
- 54598 FERNANDEZ, C. E. Use of certified seeds. (Sp) Rev. Cafetalera 48:20-21. Aug.1965. 68.28 R322
- 54599 FEOKTISTOVA, O. I. Blue-green algae as object of mass cultivation. (Rus) In Ekol. i fiziol. sinezelen. vodoroslei 1965:201-206. (Not in Libr.)
Cited in Ref. Zh. Biol. 21(sect.V):5. Nov. 1965. 241.7 R25
- 54600 FOLDESI, D. Home growing and house garden cultivation of poppy. (Hu) Kerteszeti Szolozs. 15(5):13. Mar.1966. 80 K474
- 54601 FRIEDBERG, C. Banisteropsis used as drug in South America; critical essay. 2. (Fr) J. Agr. Trop. Bot. Appl. 12(11):550-594. (Cont.) Nov.1965. 26 J822
- 54602 GRANDJEAN, X. How to take advantage of the better sources of nectar? Some observations on the Belgian honey plants, implementation of an experimental botanical graph, honey plant chart of the nation, multiplication and acclimatization of the better plants. (Fr) Apiculteur 110(1):19-24. Jan.1966. 424.8 Ap3
- 54603 HAMMER, O. Is the cornflower (Centaurea cyanus) valuable? (Ge) Z. Bienenforsch. 8(6): 181-186. Ref. Feb.1966. 424.8 Z3
English summary.
As a honey plant.

- 54604 HOJAC, M. Czechoslovak Solanaceae species as drug plants. (Cz) Ziva 13(1):10-11. Jan. 1965. 409.6 Z6
- 54605 JAMINET, L. VON. Calamus and calamus oil. (Ge) Seifen-Ole-Fette-Wachse 91(20):671-672. Sept.29,1965. 307.8 Se4
English summary.
Includes description of the plant, Acorus calamus.
- 54606 JIMENEZ LUTHMER, O. Chewing gum. (Sp) Escuela Farm. 26(321/323):15-22. (Concl.) Jan./Mar.1965. 396.8 Es1
Description of plants producing chicle.
- 54607 KOCH, H. G. Nectar flow and its regional distribution in East Germany. (Ge) Deut. Bienen-wirtschaft. 17(2):29-35, map. Feb. 1966. 424.8 D489
- 54608 LEMS, G. A review of progress in coffee research in Surinam and the applicability of the results to the industry. (Du) Surinaamse Landbouw 13(6):236-249. Ref. 1965. 9.6 Su7
English summary.
- 54609 LOOF, B. Poppy cultivation. Field Crop Abs. 19(1):1-5. Ref. Feb. 1966. 241 C73
Review of the literature.
- 54610 MEZ, E. Scirpus lacustris for purifying water; prospects for solving a big current problem. (It) Ital. Agr. 103(1):61-65. Jan. 1966. 16 It1
Control of detergent foam.
- 54611 MULLER, P. A. Thyme and its essential oil. (Ge) Seifen-Ole-Fette-Wachse 91(20):676. Sept. 29, 1965. 307.8 Se4
English summary.
- 54612 NYENHUIS, E. M. How to prune coffee trees. 2. The East African multiple-stem system. Farming S. Afr. 41(10):33-36. Jan. 1966. 24 So842
- 54613 NYENHUIS, E. M. How to prune your coffee trees. 4. Three more systems. Farming S. Afr. 41(12):57-59. Mar. 1966. 24 So842
- 54614 OGREN, H. A. Barbary sheep. Santa Fe, 1965. 117 p., map. Ref. (New Mexico. Department of Game and Fish. Bulletin No. 13) SF373.B3035
Condensation from a thesis, University of Southern California.
Includes food plants.
- 54615 PATON, F. J. Planting and production of raw rubber and latex. Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol. 28:5-9. Ref. 1964. 305.9 In7A
Review of the literature.
Hevea.
- 54616 PELLET, M. From the honey plant gardens; bee tree [Evodia daniellii]. Amer. Bee J. 106(1):13. Jan. 1966. 424.8 Am3
- 54617 REAY, M. Mushrooms and collective hysteria. Australian Ter. 5(1):18-28. Jan. 1965. 280.8 Au77
Hallucinogenic fungi.
- 54618 ROFF, C. Honey flora of north Queensland. Queensland Agr. J. 92(2):99-105. Feb. 1966. 23 Q33
- 54619 ROJAS P., E. DE. Hops—principles for its acclimatization in Colombia. (Sp) Agr. Trop. 21(7):385-391. July 1965. 26 Ag8
- 54620 SANDORNE, S. Literature review on Matricaria chamomilla breeding and effective material content. (Hu) Herba Hung. 4(1):157-169. Ref. 1965. 71.8 H413
- 54621 SCHUT, B. Dainties from forest and field. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(5):237-245. May 1965. 12 N282
- 54622 SINGH, C. Poppy [Papaver somniferum] cultivation in Madhya Pradesh. Indian Farming 15(6):24-25. Sept. 1965. 22 In283
- 54623 SVAB, MRS. J., BALOGH, S., and WELLISCH, P. Data on the sampling problems of Mentha piperita Huds. (Hu) Herba Hung. 4(1):131-153. Ref. 1965. 71.8 H413
German summary.
Yield studies.
- 54624 TAHA, E. E. M., and KAMEL, M. Y. Physiological and biochemical studies on the Egyptian fresh water algae. VII. Assay of the potentialities of unicellular algae for protein production. J. Bot. United Arab Repub. 5:1-12. Ref. 1962, pub. 1965. 450 Eg9
- 54625 UNK, J. More efficient poppy production with industrial method. (Hu) Magyar Mezogazdasag 21(7):10-11. Feb. 16, 1966. 19 M27
- 54626 VOITSEKHOVSKY, P. Tea cultivation in Soviet Union. Planters' Chron. 61(5):93-93. Mar. 1, 1966. 22 P693

SOILS AND FERTILIZERS

SOIL SCIENCE

- 54627 BRUIN, P. A backward and forward look. (Du) *Landbouwkundig Tijdschr.* 77(21):749-758. Dec.1965. 105.2 Or3
History of soil science research at Groningen Instituut voor Bodemvruchtbaarheid [Institute for Soil Fertility] 1890-1965.
- 54628 CENTRO DE EDAFOLOGIA Y BIOLOGIA APLICADA DEL SEGURA. Memoria [Report of the Center of Soil Science and Applied Biology of the Segura], 1961-1962. Murcia, 1964. 165 p. 56.9 C332
- 54629 JAGER, A., and VOORT, W. J. M. VAN DER. Collection and preservation of monoliths from soils and ripened clay soils above and below the water table. *Neth. Soil Surv. Inst. Soil. Surv. Pap.* 2,24 p. Ref. 1966. 56.9 St5S
- 54630 SHIH, Y. True recognition of pedological reforms and the contradictory movements in pedology. 22 p. (JPRS 4877; CSO 1718-S/1) Transl. 14930
Translation from Che-hsueh Yen-chiu 1:1-12. Jan.25,1961.
- 54631 WILLIAMS, E. G., CROOKE, W. M., and ANDERSON, G. Soils. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:307-319. Ref. 1964. 382 M31R
Literature review.
- Soil Physics
- 54632 ALLIOT, E. J. La resistencia especifica del suelo y los esfuerzos de labranza [Specific resistance of soil and tillage power]. *Rev. Invest. Agropecuar.* Ser. 3, *Clima Suelo* 1(9):165-169. 1964. 343 R32
English summary.
- 54633 ARCA, M. N., and WEED, S. B. Soil aggregation and porosity in relation to contents of free iron oxide and clay. *Soil Sci.* 101(3):164-170. Ref. Mar.1966. 56.8 So3
- 54634 ASLYNG, H. C. Evaporation, evapotranspiration and water balance investigations at Copenhagen 1955-64. *Acta Agr. Scand.* 15(3/4):284-300. Ref. 1965. 11 Ac82
- 54635 BAKER, D. G., and SWAN, J. B. Climate of Minnesota. IV. Spring soil temperatures. *Minn. Agr. Exp. Sta. Misc. Rep.* 67,11 p.,map. 1966. 100 M66
- 54636 BEAVERS, A. H., and JONES, R. L. Elutriator for fractionating silt. *Soil Sci. Soc. Amer. Proc.* 30(1):126-128. Jan./Feb.1966. 56.9 So3
- 54637 BOEKEL, P. Maintenance of a good structure in clay and sandy-clay soils. (Du) *Landbouwkundig Tijdschr.* 77(21):842-849. Dec.1965. 105.2 Or3
English summary.
Research in soil physical properties.
- 54638 CANARACHE, A. Laboratory method for determining the saturated hydraulic conductivity. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:103-113. Ref. 1964,pub. 1965. 21 R86A
English summary.
- 54639 CANARACHE, A. Laboratory method for soil penetrability determination. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:87-97. Ref. 1964,pub.1965. 21 R86A
English summary.
- 54640 CANARACHE, A. Relations between clay content and water capacity of soils. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:25-39,map. Ref. 1964,pub.1965. 21 R86A
English summary.
- 54641 CANARACHE, A., and MOTOC, E. Water balance studies in the zonal soils of Oltenia, and Muntenia. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:65-74,map. Ref. 1964,pub.1965. 21 R86A
English summary.
- 54642 CANNON, M. D. Thermal environments under synthetic strip mulches. *Amer. Soc. Agr. Eng. Pap.* 154,17 p. 1965. 290.9 Am32P
Includes kraft paper and plastics used for cotton.
- 54643 CARPENA, O. Water in agriculture. (Sp) *Cent. Edafol. Biol. Apl. Segura. Mem.* 1961-62: 145-153. 1964. 56.9 C332
In soils and plants.
- 54644 CHEN, T. T., and WEI, K. T. Effects of applying carbon and nitrogen sources on the hydraulic conductivity of the paddy soils. (Ch) *Chinese Agr. Chem. Soc. J.* 3(3/4):74-78. Oct. 1965. 385 C47
English summary.
- 54645 DOUGRAMEJI, J. S. Soil-water relationships in stratified sands. *Diss. Abs.* 26(9):4916. Mar.1966. 241.8 M58
- 54646 DREW, J. K. Fatty-alcohols may provide key to moisture conservation. *Fert. Solutions* 10 (2):58-60. Mar./Apr.1966. 57.8 So4
- 54647 DUMITRIU, R. Moisture equivalent-field capacity correlation. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:55-63. Ref. 1964,pub.1965. 21 R86A
English summary.
- 54648 EKPETE, D. M., and CORNFIELD, A. H. Effects of varying static and changing moisture contents during incubation on ammonia and nitrate levels in soil. *J. Agr. Sci. [London]* 66 (1):125-129. Ref. Feb.1966. 10 J822
- 54649 FANNING, C. D. Isolation and characterization of soil organo-clay complexes. *Diss. Abs.* 26(9):4917. Mar.1966. 241.8 M58
- 54650 FERNANDEZ-GONZALEZ, R. The process of soil water movement by electricity (electroosmosis) and its application to the reclamation of a sodic soil. *Diss. Abs.* 26(8):4166. Feb.1966. 241.8 M58
- 54651 FRANCHELLI, R. A. Nuevo instrumental para extraccion de muestras de suelos [New instrument for the taking of soil samples]. *Rev. Invest. Agropecuar.* Ser. 3, *Clima Suelo* 1(8): 159-164. 1964. 343 R32
- 54652 FREITAG, D. R. A dimensional analysis of the performance of pneumatic tires on soft soils. *Diss. Abs.* 26(3):1530. Sept.1965. 241.8 M58
- 54653 GARAY IRLA, A. F., and ANDRADE ROMERO, A. L. Measurement of permeability and dynamometry in soils of La Plata. (Sp) *La Plata. Univ. Nac. Fac. Agron. Rev.* 41(1a):1-52,map. Ref. 1964,pub.1965. 9 R32
French summary.
- 54654 GRADWELL, M. W. Soil moisture deficiencies in puddled pastures. *New Zeal. J. Agr. Res.* 9(1):127-136. Feb.1966. 23 N4892
- 54655 HAKANSSON, I. Some soil structural aspects on modern farm management. (Sw) *Grundforbattering* 18(2):89-98. Ref. 1965. 54.8 G92
English summary.
Chiefly on compaction caused by heavy equipment.
- 54656 HILL, J. N. S. Moisture characteristics of some Natal sugarbelt soils. *So. Afr. J. Agr. Sci.* 8(3):767-774. Sept.1965. 24 Su3
- 54657 HOLTAN, H. N., ENGLAND, C. B., and SHANHOLTZ, V. O. Concepts in hydrologic soil grouping. *Amer. Soc. Agr. Eng. Pap.* 739, 21 p. 1965. 290.9 Am32P
Infiltration.
- 54658 JOHNSON, L. Traction problems on flooded rice soils. *Amer. Soc. Agr. Eng. Pap.* 124, 11 p. 1965. 290.9 Am32P
- 54659 JOHNSON, W. H., HEDDEN, O. K., and WILSON, J. D. The effect of liquid mulches on soil moisture retention, temperature and seedling growth. *Amer. Soc. Agr. Eng. Pap.* 151,20 p. 1965. 290.9 Am32P
Petroleum base wax emulsion.

- 54660 LEMBKE, W. D. Tile outflow as a measure of permeability on a lake plain soil. Amer. Soc. Agr. Eng. Pap. 721,13 p. 1965. 290.9 Am32P
- 54661 LUTHIN, J., and RICHARD, F. Zur Untersuchung der Wasserbewegung in Hangboden mit unvollkommener Durchlässigkeit [Water movement in imperfectly drained sloping soils]. Schweiz. Anst. Forstl. Versuchswesen Mitt. 41(6):303-368. Ref. 1965. 99.9 Sch92 English summary.
- 54662 MAIANU, A. Critical depth and critical mineralization degree of the ground water in the Rumanian Lower Danube Plain and in the Tisa Plain; factors affecting their variation. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:257-268. Ref. 1964, pub. 1965. 21 R86A English summary.
- 54663 MONNIER, G. Action of the organic matter on the stability of the soil structure. 1. (Fr) Ann. Agron. 16(4):327-400. 1965. 14 F8499 English summary.
- 54664 MONNIER, G. Effect of organic matter on the stability of the soil structure. 2. (Fr) Ann. Agron. 16(5):471-534. Ref. p.532-534. 1965. 14 F8499 English summary.
- 54665 MOTOC, E. Hygroscopic coefficient and maximum molecular water capacity as indirect means for measuring field capacity and available water capacity. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:41-54. 1964, pub. 1965. 21 R86A English summary.
- 54666 MOTOC, E. Researches on maximum molecular water capacity of soils. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:75-86. 1964, pub. 1965. 21 R86A English summary.
- 54667 NAGATA, N. On the cone-penetration method in the paddyfield. (Ja) Mie Univ. Fac. Agr. Bull. 32:25-34. Sept. 1965. 107.6 T78 English summary. Soil testing with penetrometer.
- 54668 OBREJANU, G., and others. Water-permeability of the zonal soils of Oltenia, Muntenia and Dobrogea. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:11-24. Ref. 1964, pub. 1965. 21 R86A A. Canarache, R. Dumitriu, E. Motoc, O. Teodoru, T. Trandafirescu, V. Barbulescu, V. Cucuta, N. Oanea, S. Puiu, and C. Toma, joint authors. English summary.
- 54669 PERSSON, S. P. E. Strength parameters for natural soils (a preliminary report). Amer. Soc. Agr. Eng. Pap. 121,10 p. 1965. 290.9 Am32P
- 54670 PIERPOINT, G. Measuring surface soil moisture with the neutron depth probe and a surface shield. Soil Sci. 101(3):189-192. Mar. 1966. 56.8 So3
- 54671 PUSTOVOIT, S. I. Physical properties of soils of Meshed-Messera plain. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:73-98. Ref. 1964. 442.9 T18
- 54672 RADKE, J. K. Evaluation of two transient methods for determining gaseous diffusivities in porous media. Diss. Abs. 26(9):4921. Mar. 1966. 241.8 M58 In studying soil aeration.
- 54673 REPLOH, H., and KUSTERMANN, H. Influencing soil filtering by alkaline industrial sewage. (Ge) Arch. Hyg. Bakteriell. 149(7/8):627-635. Dec. 1965. 449.8 Ar2 English summary.
- 54674 REVUT, I. B., and RAMANOV, I. A. Aggregate and microaggregate composition of soils under artificial conditioning. (Rus) Pochvovedenie 1:60-65. Ref. Jan. 1966. 57.8 P34 English summary. Polymers in soil conditioners.
- 54675 RODE, A. A. Osnovy ucheniya o pochvennoi vlage [Basic studies on soil moisture], v. 1. Leningrad, Gidrometeorologicheskoe Izdatel'stvo, 1965. 634 p. S594.R6 Bibliography, p.639-661.
- 54676 SCHOTHORST, C. J. Grassland with low carrying capacity. 1. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 22(10/11):492-500. Oct./Nov. 1965. 12 N383M Soil moisture and properties and the weight of grazing cattle.
- 54677 SCHUCH, M. A new device for the taking of undisturbed, strongly fibrous moor soil samples. (Ge) Bodenkultur 16(4):321-324. Nov. 1965. 19 B635 English summary. Austria.
- 54678 STIBBE, E. A field method for the determination of the hydraulic conductivity of various soil layers in a profile with the aid of isolated undisturbed monoliths. Diss. Abs. 26(3):1595. Sept. 1965. 241.8 M58
- 54679 STORRIER, R. R. Soil temperature observations in a red brown earth soil. Australian Inst. Agr. Sci. J. 31(4):318-319. Dec. 1965. 23 Au74
- 54680 SWARTZENDRUBER, D. Variables-separable solution of the horizontal flow equation with nonconstant diffusivity. Soil Sci. Soc. Amer. Proc. 30(1):7-11. Ref. Jan./Feb. 1966. 56.9 So3
- 54681 TALLARICO, L. A., and CARAVELLO, R. V. A. Los indices de estructura de Henin y Yoder y su correlacion con el contenido de materia organica y con la porosidad de los agregados en un suelo pradera [Henin and Yoder structural indexes and their correlation with the organic matter content and porosity of meadow soil aggregates]. Rev. Invest. Agropecuaria. Ser. 3, Clima Suelo 1(3):55-63. 1964. 343 R32 English summary.
- 54682 TANAKA, T. Studies on the use of power tillers in moist paddies. 2. Soil reactions acting on the wheel tread. 15 p. Transl. 15864 Translation from Society of Agricultural Machinery, Japan. Journal 19(1):13-17. n.d.
- 54683 TANAKA, T. Studies on the use of power tillers in moist paddies. 3. Soil deformation caused by sinking wheels. 13 p. Transl. 15865 Translation from Society of Agricultural Machinery, Japan. Journal 19(4):133-137. n.d.
- 54684 TANAKA, T. Studies on the use of power tillers in moist paddies. 4. Soil deformation and stress caused by the lug of the wheel. 14 p. Transl. 15868 Translation from Society of Agricultural Machinery, Japan. Journal 20(3):105-108. n.d.
- 54685 TANAKA, T. Studies on the use of power tillers in moist paddies. 6. Soil deformation and stress caused by the action of the wheel lug. 11 p. Transl. 15867 Translation from Society of Agricultural Machinery, Japan. Journal 20(4):147-151. n.d.
- 54686 TAYLOR, J. H., and VAN DEN BERG, G. E. The role of displacement in a simple traction system. Amer. Soc. Agr. Eng. Pap. 122,20 p. 1965. 290.9 Am32P
- 54687 TOPP, G. C. Surface tension and water contamination as related to the selection of flow system components. Soil Sci. Soc. Amer. Proc. 30(1):128-129. Jan./Feb. 1966. 56.9 So3
- 54688 TURNER, R., and WIERSMA, D. Determining evapotranspiration rates and soil moisture levels with climatological data. Ind. Acad. Sci. Proc. 73:244-248. 1963, pub. 1964. 500 In2
- 54689 WHISLER, F. D., and KLUTE, A. Rainfall infiltration into a vertical soil column. Amer. Soc. Agr. Eng. Pap. 735,25 p. 1965. 290.9 Am32P

- 54690 WIEGAND, C. L., and SWANSON, W. A. Water transmission by various ceramic, cellulose, glass, and steel membranes. *Soil Sci. Soc. Amer. Proc.* 30(1):124-126. Jan./Feb.1966. 56.9 So3
- 54691 WIKLANDER, L. The composition and ecological importance of soil solution. (Sw) *Grundforbattering* 18(2):71-88. 1965. 54.8 G92 English summary.
- 54692 WILLIAMS, B. G., and others. Techniques for the determination of the stability of soil aggregates. *Soil Sci.* 101(3):157-163. Ref. Mar. 1966. 56.8 So3
D. J. Greenland, G. R. Lindstrom, and J. P. Quirk, joint authors.
- 54693 WILLIS, W. O., and HAAS, H. J. Dryland soil moisture losses in the Northern Great Plains. *Great Plains Agr. Coun. Proc.* 1965:49-53. 282.9 G7992
By runoff and evaporation.
- 54694 WINKLER, E. M. Moisture measurements in glacial soils from airphotos. *Ecology* 47(1):156-158. Winter 1966. 410 Ec7
- 54695 WU, A. Y. K. The neutron scattering method for measuring soil moisture. *Australian Inst. Agr. Sci. J.* 31(4):299-303. Dec.1965. 23 Au74
- 54696 YARON, B., BRESLER, E., and SHALHEVET, J. A method for uniform packing of soil columns. *Soil Sci.* 101(3):205-209. Mar.1966. 56.8 So3
- 54697 ZWOLINSKI, M. J., and ROWE, P. B. Volume weight soil sampler. *J. Forest.* 64(4):254-255. Apr.1966. 99.8 F768
For determination of soil bulk density.
- Soil Chemistry and Mineralogy**
- 54698 BACHE, B. W. The thermodynamics of soil phosphate. *Great Brit. Min. Agr. Fish. Food. Tech. Bull.* 13:10-18. Ref. 1965. 10 G79T
- 54699 BAJESCU, I. Contributions to the study of the exchangeable and active manganese in Oltenia soils. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:211-219. Ref. 1964, pub.1965. 21 R86A
English summary.
- 54700 BALAM, B. S. Plant availability and chemical reactions of phosphates as affected by the calcium status of soils and the degree of acidulation of rock phosphate. *Diss. Abs.* 26(9):4937-4938. Mar.1966. 241.8 M58
- 54701 BARNHISEL, R. I., and RICH, C. I. Preferential hydroxyaluminum interlayering in montmorillonite and vermiculite. *Soil Sci. Soc. Amer. Proc.* 30(1):35-39. Ref. Jan./Feb.1966. 56.9 So3
- 54702 BASITOVA, S. M., and others. Content of strontium in soil and plants in some districts of Tadzhikistan. (Rus) *AN Tadz. SSR. Otd. Fiz.-Tekhn. i Khim. n. Izv.* 2(15):57-64. 1964. (Not in Libr.)
E. F. Zazorina, E. A. Pometun, and V. I. Boyarova, joint authors.
Abstracted in *Ref. Zh. Biol.* 21(sect.V):18. Nov.1965. 241.7 R25
- 54703 BELORUSSIAN SSR, KHOZYAISTVA. MINISTERSTVO SEL'SKOGO. Issledovanie pochv i primeneniye udobrenii [Soil analysis in relation to application of fertilizers]. Minsk, Urozhai, 1964. 187 p. Ref. 56.5 W58
- 54704 BENSON, N. R. Zinc retention by soils. *Soil Sci.* 101(3):171-179. Mar.1966. 56.8 So3
- 54705 BLAKEMORE, M. Seasonal changes in the amounts of phosphorus and potassium dissolved from soils by dilute calcium chloride solutions. *J. Agr. Sci. [London]* 66(1):139-146. Ref. Feb.1966. 10 J822
- 54706 BLANARU, V., and STANGA, N. Determining soil cation exchange capacity by direct potentiometric titration of acidoid saline suspensions. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:115-124. Ref. 1964, pub.1965. 21 R86A
English summary.
- 54707 BLANCHET, R., and others. Some examples of the possible use of a radioactive phosphate fertilizer in the study of the nutrient capacity of soils. (Fr) *Ann. Agron.* 16(5):535-551. Ref. 1965. 14 F8499
J. Morizet, C. Chaumont, and C. Maertens, joint authors.
English summary.
- 54708 BOTHA, A. D. P. The influence of tobacco and oats on the nitrate nitrogen content of a black clay soil. (Af) *So. Afr. J. Agr. Sci.* 8(3):621-634. Ref. Sept.1965. 24 Su3
English summary.
- 54709 BROADBENT, F. E. Interchange between inorganic and organic nitrogen in soils. *Hilgardia* 37(6):180 p. Ref. Jan.1966. 100 C12H
- 54710 CALDWELL, T. H., and JONES, J. L. O. Preliminary studies using ³²P on availability of phosphate in problem soils in the Eastern Region. *Great Brit. Min. Agr. Fish. Food. Tech. Bull.* 13:57-63. Ref. 1965. 10 G79T
Great Britain.
- 54711 CHIRIAC, A. Comparative study of some chemical methods for determining available potassium in the soil. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:201-210. Ref. 1964, pub.1965. 21 R86A
English summary.
- 54712 CLARK, J. S. The pH values of soils suspended in dilute salt solutions. *Soil Sci. Soc. Amer. Proc.* 30(1):11-14. Ref. Jan./Feb.1966. 56.9 So3
- 54713 COTTON, S. B. Hydrolysis of aluminum in synthetic action exchange resins and dioctahedral vermiculite. *Diss. Abs.* 26(8):4165. Feb. 1966. 241.8 M58
- 54714 DECHERING, F. J. A. Mechanization and centralisation of soil testing in the Netherlands. (Du) *T.N.O. [Toegepast-Natuurwetensch. Onderz.]-Nieuws* 21(2):49-56. Feb.1966. 475 T11
English summary.
- 54715 DIJK, H. VAN. Characterization of the organic matter in reclaimed peat sub-soils. *Landbouwkundig Tijdschr.* 77(21):860-869. Dec. 1965. 105.2 Or3
English summary.
- 54716 DINCHEV, D. I. Study of balance of nitrogen applied to soil by using N¹⁵. (Rus) *Agrokhi-miya* 7:19-22. July 1964. 385 Ag89
- 54717 DINCU, I., GATA, G., and CONSTANTINESCU, C. A rapid method to determine calcium reserves in soils. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:141-148. 1964, pub.1965. 21 R86A
English summary.
- 54718 DOBRITSKAYA, YU. I., and others. Zinc, copper, cobalt and molybdenum in some soils in the European part of the USSR. 31 p. Ref. (JPRS 26,040; TT 64-41310) Transl. 14185
E. G. Zhuravleva, L. P. Orlova, and M. G. Shirinskaya, joint authors.
Translation from *Mikroelementy v nekotorykh pochvakh SSSR* 1964:85-113.
CFSTI: \$2.00.
- 54719 DUTHION, C. Dosage of exchangeable bases by means of the Eppendorf flame photometer. (Fr) *Ann. Agron.* 16(4):433-448. Ref. 1965. 14 F8499
English summary.
Soils.

- 54720 DUTHION, C. Slowly releasable potassium reserve of a loam soil. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1):90-97. Jan.5/12,1966. 14 P215Bc
Physico-chemical behavior of potassium in the soil.
- 54721 EICHHORN, M. M. Potassium fixation and release in several agricultural soils of Georgia. Diss. Abs. 26(3):1254. Sept.1965. 241.8 M58
- 54722 ELOFF, J. N. Extraction of soil humic compounds with sodium hydroxide plus stannous chloride. So. Afr. J. Agr. Sci. 8(3):673-680. Sept.1965. 24 Su3
- 54723 GAST, R. G. Applicability of models to predict rates of cation movement in clays. Soil Sci. Soc. Amer. Proc. 30(1):48-52. Ref. Jan./Feb.1966. 56,9 So3
- 54724 GATA, G., and others. Contributions to the study of infrared absorption spectrum of some colloidal fractions isolated from sediments. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:433-439. 1964, pub.1965. 21 R86A
I. Dincu, L. Arcan, and C. Schramek, joint authors.
English summary.
- 54725 GATA, G., TEODORU, O., and DINCU, I. Critical examination of methods used to isolate the colloidal fractions from soils and sediments for mineralogical purposes. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:415-432. Ref. 1964, pub.1965. 21 R86A
English summary.
- 54726 GILLIAM, J. W. Chemical nature and availability of phosphatic reaction products in ammoniated superphosphates. Diss. Abs. 26(9):4942. Mar.1966. 241.8 M58
In a greenhouse experiment.
- 54727 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Soil analysis for advisory purposes. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 270, rev., 4 p. Jan. 1966. 10 G79La
- 54728 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Soil phosphorus; proceedings of a conference organized by the soil chemists of the National Agricultural Advisory Service, October 4th-5th, 1962. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13,159 p. Ref. 1965. 10 G79T
- 54729 HAJEK, B. F., and DIXON, J. B. Desorption of glycerol from clays as a function of glycerol vapor pressure. Soil Sci. Soc. Amer. Proc. 30(1):30-34. Ref. Jan./Feb.1966. 56,9 So3
- 54730 AMPL, J., BIZIK, J., and MARAFKOVA, M. Determination of potassium content in the soil by means of the radiometric method. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:131-136. 1964. 281.9 N632
English summary.
- 54731 HANLEY, K. Phosphorus in some Irish soils. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:103-129, map. Ref. 1965. 10 G79T
- 54732 HARPER, C. S. Classification of available phosphorus results on soils. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:143-145. 1965. 10 G79T
- 54733 HOGG, D. E., and TOXOPEUS, M. R. J. Studies on the retention of sulphur by Yellow-Brown pumice soils. New Zeal. J. Agr. Res. 9(1):93-97. Feb.1966. 23 N4892
- 54734 HOSSNER, L. R. Release of magnesium by leaching from vermiculite, mica and prochlorite. Diss. Abs. 26(8):4140. Feb.1966. 241.8 M58
- 54735 JACQUIN, F., JUSTE, C., and DUREAU, P. Contribution to the study of organic matter of sandy soils of Les Landes of Gascony. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1190-1197. Dec.8/15,1965. 14 P215Bc
- 54736 KAILA, A. The fate of water-soluble phosphate applied to some mineral soils. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):104-115. Ref. 1965. 20 Su7M
- 54737 KAILA, A. Fixation of potassium in Finnish soils. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):116-126. Ref. 1965. 20 Su7M
- 54738 KAWANA, A., and AIBA, Y. Simple methods for the measurement of the exchangeable acidity and phosphate absorption coefficient of forest soil. (Ja) Jap. Forest. Soc. J. 47(11):401-405. Nov.1965. 99.8 N62
English summary.
- 54739 KEILLING. On the development of organic matter in soils. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(17):1145-1147. Dec.1,1965. 14 P215Bc
- 54740 KING, H. G. C., and BLOOMFIELD, C. The reaction between water-soluble tree leaf constituents and ferric oxide in relation to podzolisation. J. Sci. Food Agr. 17(1):39-43. Ref. Jan.1966. 382 So12
- 54741 KVARATSKHELIA, N. T., and ARNAUTOV, G. N. Absorption of radioactive strontium by basic soil types of Georgian SSR. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 40(3):693-697. Ref. Dec.1965. 511 Ak146
- 54742 LASKE, P. Manganese supply of greenhouse soils. (Ge) Phosphorsäure 25(3/4):211-216. 1965. 57.8 P563
- 54743 MAL'TSEVA, I. M., and ARTAMONOVA, N. V. Determination of P₂O₅ in calcareous soils. (Rus) Khlopkovodstvo 2:42. Feb.1966. 72.8 K522
- 54744 MANUCA, O., and others. Contribution to the verification of the methods used to determine lime requirements of acid soils. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:173-186. Ref. 1964, pub.1965. 21 R86A
I. Bajescu, A. Chiriac, D. Daniliuc, I. Vintila, and E. Motoc, joint authors.
English summary.
- 54745 MARTENS, D. C., CHESTERS, G., and PETERSON, L. A. Factors controlling the extractability of soil zinc. Soil Sci. Soc. Amer. Proc. 30(1):67-69. Jan./Feb.1966. 56,9 So3
- 54746 MARTTILA, U. Exchangeable cations in Finnish soils. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 37(2):148-161. Ref. 1965. 20 Su7M
- 54747 MATTINGLY, G. E. G. The influence of intensity and capacity factors on the availability of soil phosphate. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:1-9. Ref. 1965. 10 G79T
- 54748 MCLEAN, E. O., DUMFORD, S. W., and CORONEL, F. A comparison of several methods of determining lime requirements of soils. Soil Sci. Soc. Amer. Proc. 30(1):26-30. Ref. Jan./Feb.1966. 56,9 So3
- 54749 MCCONAGHY, S. Studies on the availability of phosphorus in the soils of Northern Ireland. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:38-48. 1965. 10 G79T
- 54750 MOTOMURA, S., AKIYAMA, Y., and YAMANAKA, K. Effect of organic matter application on the soil metabolism under water-logged condition. 16 p. Ref. Transl. 14584
Chiefly hydrogen-ion concentration.
Translation from Journal of the Science of Soil and Manure 32:605-612. 1961.
- 54751 NOMMIK, H. The chemical and microbiological metabolism of urea in soils. (Sw) Vaxt-Narings-Nytt 22(1):6-13. Feb.1966. 57.8 V47
English summary, p.2 of supplement.
- 54752 OLIVER, S., and BARBER, S. A. An evaluation of the mechanisms governing the supply of Ca, Mg, K, and Na to soybean roots (Glycine max). Soil Sci. Soc. Amer. Proc. 30(1):82-86. Jan./Feb.1966. 56,9 So3

- 54753 ORTEGA, E. Quick chemical soil tests. (Sp) Panagra 2(29):38-41. Jan.1,1964. 8 P196
- 54754 PAOLI, A. R. J., and LURATI DE PAOLI, M. S. Extracción y separación conjunta de: Co, Cu, Zn, y Pb en suelos [Combined extraction and separation of Co, Cu, Zn, and Pb in soils]. Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 1(4):65-100. Ref. 1964. 343 R32 English summary.
- 54755 PAUL, J. L., TANJI, K. K., and ANDERSON, W. D. Estimating soil and saturation extract composition by a computer method. Soil Sci. Soc. Amer. Proc. 30(1):15-17. Ref. Jan./Feb. 1966. 56.9 So3 Measurement of soil salinity.
- 54756 PERTERSEN, G. W. Comparison of the red glacio-lacustrine clay sediments in northern and eastern Wisconsin; a new procedure for the determination of calcite and dolomite. Diss. Abs. 26(9):4920-4921. Mar.1966. 241.8 M58
- 54757 PETERBURGSKII, A. V., and KORCHAGINA, YU. I. Comparative availability to agricultural plants of exchangeable ammonium absorbed and fixated by different soils. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:215-221. 1964. 20 M857
- 54758 PIZER, N. H. The interpretation of soil phosphorus figures for advisory purposes. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13: 146-152. 1965. 10 G79T
- 54759 PRATT, F. Factores que afectan la acumulación de sodio intercambiable en suelos irrigados [Factors influencing the accumulation of exchangeable sodium in irrigated soils]. Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 1(7): 145-158. 1964. 343 R32 English summary.
- 54760 RANDHAWA, N. S. Studies on zinc organic matter complexes. Diss. Abs. 26(3):1276. Sept.1965. 241.8 M58 Interactions in soils.
- 54761 ROMANENKO, M. D. Nitrogen and humus in soils of orchards as influenced by the long application of fertilizers. (Rus) Agrokhimiya 7: 35-40. Ref. July 1964. 385 Ag89
- 54762 RUSSELL, R. D. Phosphate relationships of calcareous soils. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:130-142. Ref. 1965. 10 G79T
- 54763 SANCHEZ, C. Evaluation of certain chemical transformations of soluble fertilizer phosphorus applied to three Michigan soils. Diss. Abs. 26(8):4166-4167. Feb.1966. 241.8 M58
- 54764 SAPETTI, C. Granulometric analysis in soils. (It) Ann. Sperim. Agr. (n.s.)17(5/6):583-615. Ref. 1963,pub.1965. 16 An76 English summary.
- 54765 SCHAIK, J. C. VAN., and KEMPER, W. D. Chloride diffusion in clay-water systems. Soil Sci. Soc. Amer. Proc. 30(1):22-25. Jan./Feb.1966. 56.9 So3
- 54766 SCHAIK, J. C. VAN., KEMPER, W. D., and OLSEN, S. R. Contribution of adsorbed cations to diffusion in clay-water systems. Soil Sci. Soc. Amer. Proc. 30(1):17-22. Ref. Jan./Feb. 1966. 56.9 So3 Sodium and calcium.
- 54767 SEGUIN, G. Soils of Medoc and quality of wines. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1197-1209. Dec.8/15,1965. 14 P215Bc Includes soil analysis. Includes discussion.
- 54768 SERBANESCU, I., and others. Methodological contributions and some problems concerning phosphorus fixation in sandy soils. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:125-139. Ref. 1964,pub.1965. 21 R86A D. Niculescu, T. Trandafirescu, G. Sandu, and I. Savu, joint authors. English summary.
- 54769 SKENE, J. K. M. The diagnosis of alkali soils. Australian Inst. Agr. Sci. J. 31(4):321-322. Dec.1965. 23 Au74
- 54770 STEVENSON, F. J. Behavior of nitrogen in soil. Fert. Solutions 10(2):40-44. Mar./Apr. 1966. 57.8 So4
- 54771 SUBRAMANIAN, T. R. Studies on the exchangeable phosphorus in soils and clay minerals. Indian J. Agr. Sci. 32(5):79-84. June 1965. 22 Ag83I
- 54772 TAGHON, E., BAERT, L., and HENDE, A. VAN DEN. Potassium exchange and potassium fixation in a clay soil studied with K⁴². Landbouwhogeschool Mededel. 30(2):1141-1148. 1965. 105.1 G344 English summary.
- 54773 TAHOUN, S. A. Complexes of montmorillonite with primary, secondary, and tertiary amides. Diss. Abs. 26(8):4141. Feb.1966. 241.8 M58
- 54774 TAMAKI, T., and UMEDA, Y. Studies on Ryukyuu pineapple field soil. V. Soil acidity of Ishigaki fields. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):130-136. Mar.1965. 107.6 K113 English summary.
- 54775 TAMIMI, Y. N. Ammonium fixation in Hawaiian soils. Diss. Abs. 26(3):1277. Sept.1965. 241.8 M58
- 54776 TANJI, K. K., and DONEEN, L. D. A computer technique for prediction of CaCO₃ precipitation in HCO₃⁻ salt solutions. Soil Sci. Soc. Amer. Proc. 30(1):53-56. Ref. Jan./Feb.1966. 56.9 So3
- 54777 THORNTON, I., and GIGLIOLI, M. E. C. The mangrove [Rhizophora] swamps of Keneba, lower Gambia River Basin. II. Sulphur and pH in the profiles of swamp soils. J. Appl. Ecol. 2 (2):257-269. Ref. Nov.1965. 410 J828
- 54778 TURNER, R. Kinetic studies of acid dissolution of montmorillonite and kaolinite. Diss. Abs. 26(3):1277. Sept.1965. 241.8 M58
- 54779 UEDA, K., and YAMAOKA, M. Studies on aged paddy soils. VII. An examination of analytical method of available silicate in the soil. 12 p. Transl. 15870 Translation from Journal of the Science of Soil and Manure 30:393-396. 1959.
- 54780 VINTILA, I., and BAJESCU, I. Comparative study of some chemical methods of determining soil available phosphorus. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32: 187-199. Ref. 1964,pub.1965. 21 R86A English summary.
- 54781 WARREN, R. G., and JOHNSTON, A. E. Notes on the use of soil analysis for estimating available P in Rothamsted soils. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:30-37. 1965. 10 G79T
- 54782 WIEGAND, C. L., LYLES, L., and CARTER, D. L. Interspersed salt-affected and unaffected dryland soils of the Lower Rio Grande Valley. II. Occurrence of salinity in relation to infiltration rates and profile characteristics. Soil Sci. Soc. Amer. Proc. 30(1):106-110. Ref. Jan./Feb.1966. 56.9 So3
- 54783 WILLIAMS, J. H. The availability of soil phosphorus with special reference to anion-exchange resins. Great Brit. Min. Agr. Fish. Food. Tech. Bull. 13:49-56. Ref. 1965. 10 G79T
- 54784 WULLSTEIN, L. H. The non-enzymatic formation of nitric oxide from soil and clay systems. Diss. Abs. 26(3):1295. Sept.1965. 241.8 M58
- 54785 YAMASAKI, F., and others. Vertical distributions of fallout gamma-ray sources in ground soil in eastern Japan. Tokyo. Inst. Phys. Chem. Res. Sci. Pap. 59(3):106-111, map. Sept.1965. 513 T577 M. Okano, M. Takeuchi, Y. Nagahara, and Y. Ishizuka, joint authors.

- 54786 ZYRIN, N. G., and BOL'SHAKOV, W. A. Content of manganese, zinc and molybdenum in soils under vineyards in Crimea. (Rus) *Agrokimiya* 7:80-91, map. July 1964. 385 Ag89
- 54787 ZYRIN, N. G., and STOILOV, G. P. Use of sprouts for determination of microelements mobility in soils and evaluation of chemical methods. (Rus) *Agrokimiya* 7:74-79. Ref. July 1964. 385 Ag89
Tobacco used for experiment.
- 54788 ZYRIN, N. G., and PATSUKEVICH, Z. W. Water-soluble boron in soils of Crimea. (Rus) *Agrokimiya* 7:92-95. Ref. July 1964. 385 Ag89
- Soil Biology**
- 54789 ARTEM'EVA, T. A. Study of the soil fauna in Mari ASSR. (Rus) In *Pochv. fauna Sredn. Povolzh'ya* 1964:153-167. Not in Libr.
Cited in Ref. *Zh. Biol.* 21(sect.D):22. Nov. 1965. 241.7 R25
- 54790 BAHR, H., and ZIMMERMANN, W. The traveling of detergents in the soil. (Ge) *Arch. Hyg. Bakteriologie* 149(7/8):620-626. Ref. Dec. 1965. 449.8 Ar2
English summary.
- 54791 BURTON, J. C. A modern concept of soybean inoculation. *Soybean Dig.* 26(5):13-14, 16, 18. Mar. 1966. 60.38 So9
To produce nodule-forming bacteria *Rhizobium* in the soil.
- 54792 ČERNOV, YU. I. Effect of vegetation character of some tundra types on composition of soil fauna. (Rus) *Probl. Sev.* 8:254-267. 1964. 475 P944
Cited in Ref. *Zh. Biol.* 21(sect.D):22. Nov. 1965. 241.7 R25
- 54793 DART, P. J., and MERCER, F. V. Fine structure of bacteroids [*Rhizobium*] in root nodules of *Vigna sinensis*, *Acacia longifolia*, *Viminaria juncea*, and *Lupinus angustifolius*. *J. Bacteriol.* 91(3):1314-1319. Ref. Mar. 1966. 448.3 J82
- 54794 DELGADO DE GARAY, A. Urgent appeal to farmers and agronomists. (Sp) *Panagra* 2 (29):20-21. Jan. 1, 1964. 8 P186
To produce legumes for their effect on soils.
- 54795 DOROSINSKII, L. M., ed. *Bakterial'nye udobreniya; materialy soveshchaniya [Bacterial fertilizers; materials of a conference]*. Moskva, Kolos, 1964. 199 p. 57.52 D73B
- 54796 EL-DUWEINI, A. K., and GHABBOUR, S. I. Population density and biomass of earthworms in different types of Egyptian soils. *J. Appl. Ecol.* 2(2):271-287, map. Ref. Nov. 1965. 410 J828
- 54797 FURUSAKA, T. Soil-microbiology and its environment. 11 p. Transl. 15840
Translation from *Chemistry and Life* 3(1):36-38. 1965.
- 54798 GALSTYAN, A. S. Determination of sulfate-reductase in soil. (Rus) *Akad. Nauk SSSR. Dokl.* 166(4):959-960. 1966. 511 P444A
- 54799 GOSS, O. M., and SHIPTON, W. A. Inoculation and lime pelleting of leguminous seeds. West. Australia. *Dep. Agr. J.* (ser.4)6(12):705-708. Dec. 1965. 23 W52J
- 54800 GOSS, O. M., and SHIPTON, W. A. Nodulation of legumes on new light land. 3-4. West. Australia. *Dep. Agr. J.* (ser.4)6(11):659-661, 663-664, 667-669. Nov. 1965. 23 W52J
3, The effect of Rogor seed treatment on legume nodulation; 4, Rhizobial strains for pasture establishment.
- 54801 GOUNOT, A. M. Production of organic growth substances by the microflora of underground clayey sediments. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(4):524-526. Ref. Jan. 24, 1966. 505 P21
- 54802 HAM, G., and FREDERICK, L. Legume inoculation. *Soybean Dig.* 26(5):21-22. Mar. 1966. 60.38 So9
- 54803 HAMDI, Y. A. M. Efficiency of *Rhizobium meliloti* strains as affected by sulfur-containing amino acids. *Diss. Abs.* 26(9):4968. Mar. 1966. 241.8 M58
- 54804 HARMSSEN, G. W. Selection of *Rhizobium* strains for improving the nitrogen fixation of legumes. (Du) *Landbouwkundig Tijdschr.* 77 (21):811-822. Dec. 1965. 105.2 Or3
English summary.
- 54805 HINTIKKA, V. Psychrophilic Basidiomycetes decomposing forest litter under winter conditions. Finland. *Metsantutkimuslaitos. Julkaisuja* 59, 20 p. Ref. 1965. 99.9 F493
- 54806 JACKSON, R. M. Studies of fungi in pasture soils. II-III. *New Zeal. J. Agr. Res.* 8(4):865-888. Ref. Nov. 1965. 23 N4892
II, Fungi associated with plant debris and fungal hyphae in soil; III, Physiological studies on some fungal isolates from the root surface and from organic debris.
- 54807 JOHNSTONE, D. B. Vermont bacteria speak up. *Vt. Farm Home Sci.* 8(2):3, 11. Fall 1965. 100 V593
Azotobacter vinelandii 3A and its role in research.
- 54808 KIMATA, K., and SUZUKI, S. Studies on cytidine diphosphate glucose pyrophosphorylase and related enzymes of *Azotobacter vinelandii*. *J. Biol. Chem.* 241(5):1099-1113. Ref. Mar. 10, 1966. 381 J824
- 54809 KUO, M. J. Studies on amylases from *Thermoactinomyces vulgaris*. *Diss. Abs.* 26(9):4969-4970. Mar. 1966. 241.8 M58
From soil and manure.
- 54810 LEON GARRE, A. The soil, living entity. (Sp) *Cult. Mod.* 48(5):170-172. May 1965. 15 C89
- 54811 LOUTIT, M., and LOUTIT, J. S. The aerobic heterotrophic bacteria of two New Zealand soils. *New Zeal. J. Agr. Res.* 9(1):84-92. Ref. Feb. 1966. 23 N4892
- 54812 MAHENDRAPP, M. K., SMITH, R. L., and CHRISTIANSEN, A. T. Nitrifying organisms affected by climatic region in western United States. *Soil Sci. Soc. Amer. Proc.* 30(1):60-62. Ref. Jan./Feb. 1966. 56.9 So3
- 54813 MAYLAND, H. F., MCINTOSH, T. H., and FULLER, W. H. Fixation of isotopic nitrogen on a semiarid soil by algal crust organisms. *Soil Sci. Soc. Amer. Proc.* 30(1):56-60. Ref. Jan./Feb. 1966. 56.9 So3
- 54814 MAYLAND, H. F. Isotopic nitrogen fixation by desert algal crust organisms. *Diss. Abs.* 26 (3):1268. Sept. 1965. 241.8 M58
- 54815 MULLER, H. P. Relations between streptomycin and radiation resistance of *Azotobacter chroococcum* Beij. (Ge) *Arch. Mikrobiol.* 53 (1):59-66. Ref. 1966. 442.8 Ar26
- 54816 MUSAEV, K. YU. Algae in virgin Sierozem soils of Samarkand Region. (Rus) *Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved.* 241:106-110. Ref. 1964. 442.9 T18
- 54817 NAGUIB, A. I. Note on the comparative study of the microflora content of some locally-available organic products of manurial value. *J. Bot. United Arab Repub.* 6:101-103. 1963, pub. 1965. 450 Eg9
Soil fertility in U.A.R.
- 54818 NAGUIB, A. I. Preliminary note on the soil microflora associated with the roots of desert plants. *J. Bot. United Arab Repub.* 6:97-99. 1963, pub. 1965. 450 Eg9
Includes soil types.
- 54819 ORTUNO MARTINEZ, A., and COSTA YAGUE, F. The microflora in citrus soils deficient in manganese. (Sp) *Cent. Edafol. Biol. Apl. Segura. Mem.* 1961-62:61-66. Ref. 1964. 56.9 C332
Includes bacteria and *Aspergillus* spp.
From *Acta Salmaticiensia, Ciencias*.

- 54820 PANOSYAN, A. K., ARUTYUNYAN, R. SH., and AVETISYAN, N. A. Effects of some soil bacteria on assimilation of nitrogen. (Arm) Akad. Nauk Armyanskoi SSR. Mikrobiol. Sborn. 12:59-71. 1964. 448.39 Ak12
Abstracted in Ref. Zh. Biol. 21(sect.B):53. Nov.1965. 241.7 R25
- 54821 PARDEE, W. D. Let bacteria produce nitrogen for you. Hoard's Dairymen 111(7):433. Apr.10, 1966. 44.8 H65
Legumes inoculated with Rhizobium.
- 54822 POKORNA-KOZOVA, J., and APFELTHALER, R. Application of biological tests in determining the amount of physically receivable nitrogen in soil. 1-2. (Ge) Zentralbl. Bakteriologie. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(1):19-33. Ref. 1966. 448.3 C33
English summary.
- 54823 RAPOPORT, E. H., and TAGLIABUE, S. A. DE. Ensayo sobre la aplicacion de algas como fertilizantes y su efecto sobre la micro y mesofauna del suelo [Trial on the application of algae as fertilizers and their effect on the micro and meso fauna of the soil]. Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 1(6):133-144. Ref. 1964. 343 R32
English summary.
- 54824 RUDAKOV, K. I. Root nodule bacteria. 13 p. (TT 64-10039) Transl. 15371
Translation from Mikrobiologiya 19(1):449-456. 1950.
Issued by CFSTI.
- 54825 SAMSONOVA, S. P. Use of some coagulants for precipitation of nodule bacteria in culture media. (Rus) Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii. Trudy 19:23-26. 1965. 448.39 L54
To produce nitragin.
Abstracted in Ref. Zh. Biol. 21(sect.B):52. Nov.1965. 241.7 R25
- 54826 SHEVCHOVA, I. I. Bacteria inducing mineralization of organic phosphates isolated from soil. (Uk) Kiev. Universitet Vistnyk. Seriya Biolohichnykh Nauk 6:107-109. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.B):49. Nov.1965. 241.7 R25
- 54827 SINGHABOOTRA, N., and RAO, W. V. B. S. Interrelationship between Azotobacter and Clostridium in increasing the yield of paddy and nitrogen uptake. Kasetsart J. 5(1):10-15. Ref. 1965. 22.5 K153
- 54828 SOSNOVSKAYA, E. A. Study of rhizomic bacteria of corn cultivated on irrigated and nonirrigated soils in Orenburg Region. (Rus) In Dostizheniya Nauki v Sel'skomom Khozyaistve 1965:12-19. 33.31 Z62
Cited in Ref. Zh. Biol. 21(sect.B):48. Nov. 1965. 241.7 R25
- 54829 STRYDOM, B. W. The effect of soil pH and soil type on the occurrence of Beijerinckia species in non-lateritic soils. So. Afr. J. Agr. Sci. 8(3):853-861. Ref. Sept.1965. 24 Su3
Includes Azotobacter spp.
- 54830 TRIBE, H. T. Microbiology of the soil. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49: 469-481. Ref. 1964. 382 M31R
Literature review.
- 54831 YAMADA, K. Studies on the utilization of hydrocarbons by microorganisms. (Ch) Chinese Agr. Chem. Soc. J. 3(3/4):A15-A31. Oct.1965. 385 C47
Primarily soil microorganisms.
- 54832 AFANAS'EV, G. V., and ERMOL'CHENKO, V. A. Soils in the Vaga Basin and their agricultural use. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99: 73-78. 1964. 20 M857
- 54833 BONCHKOVSKII, F. N., and KUTEMINSKII, V. YA. Results of the soil survey of irrigated lands of Tadzhikistan. (Rus) Sel'skoe Khoz. Tadzh. 10:27-30. Oct.1965. 20 Se494
- 54834 BRYANT, J. P. Soils of the Carolina bays and interbay areas in Scotland County, North Carolina. Diss. Abs. 26(8):4151-4152. Feb. 1966. 241.8 M58
- 54835 BURT, M., TEACI, D., and NASTEA, S. Soils of the Dealul Sasului (Dimbovicioara) meadow (Arges Region). (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:235-255. Ref. 1964, pub.1965. 21 R86A
English summary.
- 54836 BYSTRITSKAYA, T. L., and TYURYUKANOV, A. N. Opolitza and Opoletz—two genetic types of a transitory class of soils in central Russia. (Rus) Akad. Nauk SSSR. Dokl. 166(4):955-958. 1966. 511P444A
- 54837 CHANG, C. M. Profile and clay mineral studies of Taiwan salted soils. (Ch) Chinese Agr. Chem. Soc. J. 3(3/4):85-96. Ref. Oct.1965. 385 C47
English summary.
- 54838 CLARK, J. S. The lime potential and percent base saturation of some representative podzolic and brunisolic soils in Canada. Soil Sci. Soc. Amer. Proc. 30(1):93-97. Ref. Jan./Feb. 1966. 56.9 So3
- 54839 CLINE, M. G., and BLOOM, A. L. Soil survey of Cornell University property and adjacent areas. Cornell Univ. Ext. Cornell Misc. Bull. 68, 31 p., map. Dec.1965. 275.29 N48Cm
- 54840 CROW, E. E., MOORE, E. C., and DODD, O. L. Soil survey of Bamberg County, South Carolina. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962 (10), 106 p., map. Ref. Jan.1966. 1 So32F
South Carolina Agricultural Experiment Station, cooperating.
- 54841 ELTERMANN, G., and RAUKAS, A. Estonian sand dunes. (Es) Eesti Loodus 1:12-18. Jan./Feb.1966. 409.6 Ee7
English summary.
- 54842 FERNANDES, J. F. The study of soils; soil profile. (Por) Gaz. Agr. [Lourenco Marques] 17(195):237-239. Aug.1965. 24 G25
- 54843 FOSBERG, F. R., and CARROLL, D. Terrestrial sediments and soils of the northern Marshall Islands. Nat. Res. Council. Pacific Sci. Board Atoll Res. Bull. 113, 156 p. Ref. Dec.31, 1965. 500 N215
- 54844 HAMILTON, V. L. Soil survey of Wichita County, Kansas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(7, i.e. 8), 63 p., map. Ref. Nov. 1965. 1 So32F
Kansas Agricultural Experiment Station, cooperating.
- 54845 HOVDE, O. Bogs in Bjugn parish, South-Trondelag. (No) Norske Myrselsk. Medd. 64 (1):1-20, map. Feb.1966. 11 N813
- 54846 HSIUNG, I., and others. Sedimentation conditions and soil development in the vicinity of Lin-ch'ing in Shantung. 14 p. (JPRS 4975) Transl. 14876
C. Hsi, T. Chang, and T. Wang, joint authors.
Includes classification of soils.
Translation from Acta Pedologica Sinica 4(2): 117-126. 1956.
- 54847 HUTCHINSON, F. E. What is the secret of Thorndike soil? Maine Farm Res. 13(4):37-39. Jan.1966. 100 M28Ma
Suitability for cropping.
- 54848 AL-JANABI, A. M. Classification and genesis of a Sharpsburg-Wymore soil sequence in southeastern Nebraska. Diss. Abs. 26(9):4915. Mar.1966. 241.8 M58

Soil Genesis, Formation, Classification, and Mapping

- 54832 AFANAS'EV, G. V., and ERMOL'CHENKO, V. A. Soils in the Vaga Basin and their agricultural use. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99: 73-78. 1964. 20 M857

- 54849 JONGERIJUS, A., and BONFILS, C. G. Micro-morfologia de un suelo negro grumosolico de la Provincia de Entre Rios (Micromorphology of a black grumosolic soil of the Province of Entre Rios). *Rev. Invest. Agropecuar. Ser. 3, Clima Suelo* 1(2):33-53, map. Ref. 1964. 343 R32
English summary.
- 54850 KOOS, W. M., PUTNAM, L. A., and MITCHELL, W. D. Soil survey of Crosby County, Texas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(36), 70 p., map. Ref. Jan. 1966. 1 So32F
Texas Agricultural Experiment Station, cooperating.
- 54851 KOTHANDARAMAN, G. V., MOSI, A. D., and KANDASWAMY, P. Studies on a catena in Coimbatore district. III. Quantitative evaluation of changes during profile development by index mineral method. *Madras Agr. J.* 52(12): 506-511. Dec. 1965. 22 M262
- 54852 LONG, G., and DAGET, P. Contribution to the ecological study of the Margeride Massif. (Fr) *Ann. Agron.* 16(4):401-432. Ref. 1965. 14 F8499
English summary.
Soil genesis and vegetation.
- 54853 MACVICAR, C. N. The climatic factor in soil genesis illustrated by climosequences in the Natal Midlands. *So. Afr. J. Agr. Sci.* 8(3):681-689. Sept. 1965. 24 Su3
- 54854 MASARYK, S. Fixation of potassium in some soil types of Slovakia. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:137-142. 1964. 281.8 N632
English summary.
- 54855 MAYKO, R. W., and others. Soil survey of the Prineville area, Oregon. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1955(12), 89 p., map. Ref. Feb. 1966. 1 So32F
G. K. Smith, H. Biggerstaff, and E. Dull, joint authors.
Oregon Agricultural Experiment Station, cooperating.
- 54856 MECH, S. J., and others. Soil profile modification by deep plowing and backhoe mixing. *Amer. Soc. Agr. Eng. Pap.* 226, 26 p. 1965. 290.9 Am32P
G. M. Horner, L. M. Cox, and E. E. Cary, joint authors.
- 54857 MOSI, A. D., KANDASWAMY, P., and KOTHANDARAMAN, G. V. Studies on a catena in Coimbatore district. I. Profile descriptions. *Madras Agr. J.* 52(6):253-262. June 1965. 22 M262
- 54858 NAKAMURA, Y., and ONO, T. Soils of apple orchards in Aomori report. II. (Ja) *Aomori Apple Exp. Sta. Bull.* 8:1-57, map. Ref. Mar. 1964. 93.31 Ao52Re
- 54859 NEAL, H. L., and others. Soil survey of Clarke County, Mississippi. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(32), 116 p., map. Ref. Dec. 1965. 1 So32F
B. G. Moss, C. H. Whittington, J. W. Keyes, W. W. Nye, and C. H. Freeman, joint authors.
Mississippi Agricultural Experiment Station, cooperating.
- 54860 OBREJANU, G., and others. Agropedological characterization of the alluvial soils of Rumania's flood-plains. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:377-396. Ref. 1964, pub. 1965. 21 R86A
A. Maianu, I. Aksenova, A. Canarache, and I. Serbanescu, joint authors.
English summary.
- 54861 OSCHWALD, W. R. The effect of size and shape of soil mapping unit in determining soil use potential. *Diss. Abs.* 26(9):4946. Mar. 1966. 241.8 M58
- 54862 PARSONS, R. B., and BALSTER, C. A. Morphology and genesis of six "Red Hill" soils in the Oregon coast range. *Soil Sci. Soc. Amer. Proc.* 30(1):90-93, map. Ref. Jan./Feb. 1966. 56.9 So3
- 54863 PAYNE, H. H., and PILKINTON, J. A. Soil survey of Morgan County, Georgia. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(6), 75 p., map. Ref. Sept. 20, 1965. 1 So32F
Georgia Agricultural Experiment Stations, cooperating.
- 54864 PORTER, H. C., and MITCHELL, W. G. Soils for homesites. *Va. Polytech. Inst. Ext. Bull.* 295, 17 p. Nov. 1965. 275.29 V81B
- 54865 RAYCHAUDHURI, S. P. Soils, manures and fertilizers. *Bharat Krishak Samaj. Year Book* 1964:213-234. Ref. 22 B46
Includes soil surveys, and classification.
- 54866 ROSS, G. J. Characterization of a montmorillonite in a northern Michigan Podzol. *Diss. Abs.* 26(8):4577-4578. Feb. 1966. 241.8 M58
Genesis.
- 54867 SANDU, G., and others. Physical, mineralogical and chemical characteristics of the sand and sandy soils in north-western Rumania. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:351-376, map. Ref. 1964, pub. 1965. 21 R86A
A. Luca, I. Dincu, T. Trandafirescu, D. Niculescu, I. Serbanescu, and M. Nagy, joint authors.
English summary.
- 54868 SCHNITZER, M., and HOFFMAN, I. A thermogravimetric approach to the classification of organic soils. *Soil Sci. Soc. Amer. Proc.* 30(1):63-66. Ref. Jan./Feb. 1966. 56.9 So3
- 54869 SOTAKOVA, S. Characteristics of the soils of a part of land of the Permanent Statewide Agricultural Exposition [State Celostatni Polnohospodarska Vystava] in Nitra. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:143-161. Ref. 1964. 281.9 N632
English summary.
Chiefly classification and types.
- 54870 SOUTHARD, A. R., and MILLER, R. W. Parent material-clay relations in some northern Utah soils. *Soil Sci. Soc. Amer. Proc.* 30(1):97-101. Jan./Feb. 1966. 56.9 So3
- 54871 STEPANESCU, E. Main factors affecting the development of saline soils in the Cris plain. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:339-349. Ref. 1964, pub. 1965. 21 R86A
English summary.
- 54872 TEACI, D., and others. Studies on large scale soil survey, using common topographic maps and aerial materials. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:221-234, map. 1964, pub. 1965. 21 R86A
F. Predel, M. Burt, S. Nastea, L. Savopol, and M. Cenușe, joint authors.
English summary.
- 54873 VAN ECK, W. A., and ENGLE, C. F. West Virginia soils and the new comprehensive system of soil classification. *W. Va. Acad. Sci. Proc.* 37:189-196. Ref. 1965, pub. 1966. 500 W52
- 54874 WEBER, H. L., and others. Soil survey of Grand Traverse County, Michigan. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1958(34), 141 p., map. Jan. 1966. 1 So32F
R. Hall, N. R. Benson, and G. Van Winter, joint authors.
Michigan Agricultural Experiment Station, cooperating.
- 54875 WELLS, C. B. Patterns in soil geography in and near Adelaide, South Australia. *Roy. Soc. S. Australia. Trans.* 89:117-123, map. Ref. Dec. 1965. 514 Ad3
- 54876 WHITE, E. M. Validity of the transect method for estimating compositions of soil-map areas. *Soil Sci. Soc. Amer. Proc.* 30(1):129-130. Jan./Feb. 1966. 56.9 So3
- 54877 YAMAZAKI, K. On the paddy soil forming process. 2 p. *Transl.* 14931
Translation from *Pedologist* 8(1):1. June 1964.

SOIL MANAGEMENT

- 54878 BALLINGER, C. E. Modern methods have greatly aided scrubland development. New Zeal. J. Agr. 112(2):41. Feb.1966. 23 N48J
Land clearing and brush control.
- 54879 BROOKS, D. B. Strip mining, reclamation, and the public interest. Amer. Forests 72(3):18-19,53-55,57. Mar.1966. 99.8 F762
- 54880 CROOKE, W. M. Soils in relation to crop growth. Chem. Indus. 12:494-496. Mar.19, 1966. 382 M31C
Soil factors in relation to management.
- 54881 CUMMINS, D. G., PLASS, W. T., and GENTRY, C. E. Chemical and physical properties of spoil banks in the eastern Kentucky coal fields. U. S. Forest Serv. Res. Paper CS-17,11 p. Dec.1965. A99.9 F7629U
- 54882 DELVER, P. Soil management and plant nutrition in fruit culture. (Du) Landbouwkundig Tijdschr. 77(21):799-810. Ref. Dec.1965. 105.2 Or3
- 54883 FOX, K. M. Increasing water yield by manipulating vegetation. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting:22. 1965. 292.9 C712
Watershed management in Arizona.
- 54884 GALIEN, M. VAN DE. Potato culture on heavy soil; preliminary data. (Du) Neth. Dir. Landbouw. Landbouwoorlichting 22(8):411-415. Aug.1965. 12 N383M
Soil management.
- 54885 HEINZE, H. Aktuelle Probleme der Forschung und Beratung in der biologisch-dynamischen Landwirtschaft [Current problems of research and extension in biological-dynamic agriculture]. Lebendige Erde 6(spec.sup.),4 p. Nov./Dec.1965. 18 L49
- 54886 HEINZE, H. New tones in the agricultural concert from Holland. (Ge) Lebendige Erde 6: 251-254. Nov./Dec.1965. 18 L49
Chiefly on soil management.
- 54887 HEYNITZ, K. VON. Intensification of care of soil life necessary. (Ge) Lebendige Erde 6: 239-242. Nov./Dec.1965. 18 L49
- 54888 HONYA, K., TAKAHASHI, W., and TASHIRO, H. Studies on the periodical mutual utilization between lowland and upland field on volcanic ash soil. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 31:45-72. Ref. Mar.1965. 107.6 M822
English summary.
Soil management.
- 54889 JANSMA, J. D. Secondary effects of upstream watershed development: Roger Mills County, Oklahoma. Diss. Abs. 26(3):1389-1390. Sept. 1965. 241.8 M58
- 54890 ONTARIO, DEPT. OF ENERGY AND RESOURCES MANAGEMENT. CONSERVATION AUTHORITIES BR. Holland Valley conservation report: water. Toronto, 1966. 75 p.,map. 279.9 On82
Watershed conditions, including drainage, ground water, floods, and community ponds.
- 54891 RENIUS, W. Catch crop culture for care and maintenance of soil fertility. (Ge) Mitt. Deut. Landwirt.-Ges. 81(14):586,588-590. Apr.7, 1966. 18 N39
- 54892 TURNER, F. N. Restoring life...to a dead farm. Soil Sense 4(2):34-35. Summer 1965/66. 56.8 So322
Organic farming.
- 54893 WORLEY, D. P. The Beaver Creek pilot watershed for evaluating multiple-use effects of watershed treatments. U. S. Forest Serv. Res. Paper RM-13,12 p.,map. July 1965. A99.9 F7632U
Arizona.

Soil Fertility

- 54894 ALIKIN, A. S., NASSONOVA, K. P., and WASIL'EVA, L. W. Effects of various forms of mineral fertilizers on light-podzolic soils in the front of northern Ural. (Rus) Agrokhimiya 7:41-59. July 1964. 385 Ag89
Field crops.
- 54895 ANDREWS, O. N., and JACKOBS, J. A. Roadside soil fertility. Public Works 97(4):90-91. Apr.1966. 290.8 M922
Includes fertilizers and erosion control.
- 54896 ANSORGE, H. Nutrient uptake and nutrient balance in the Lauchstadt "Static Fertilizer Research" according to 60 year of research. 1. Nitrogen. (Ge) Albrecht-Thaer-Arch. 9(3): 221-242. Ref. 1965. 18 AL1
English summary.
Field crops.
- 54897 AVRAM, P. Effectiveness of chemical fertilizers for wheat on the slightly Podzol Brown soils of Oradea. (Rum) Probl. Agr. [Bucharest] 17(8):24-31. Ref. Aug.1965. 21 R862
English summary.
- 54898 AVRAMENKO, R. V. Effects of legumes on some fertility elements in soil under occupied fallow. (Rus) Kuibyshevskii Sel'skokhozyaistvennyi Institut. Izvestiya 14:29-35. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:12. July 1965. Film S-202
- 54899 BAGAIEV, V. B., and SHKEL', S. E. Effect of complete mineral fertilizers applied simultaneously with 2,4-D on yields of green cut corn. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:223-229. 1964. 20 M857
- 54900 BAKKER, Y. The use of liquid fertilizers and its prospects for our country. (Du) Loonbedrijf Land-Tuinbouw 18(9):681,683,685,687. Sept.1965. 283.8 L87
- 54901 BARBER, S. A. Nitrogen makes grass profitable. Hoard's Dairyman 111(8):510,533. Apr.25,1966. 44.8 H65
- 54902 BARBIERI, R. The role of fertilizing for the improvement of horticulture. (It) Agr. Italia 11(6):17-27. June 1965. 16 Ag8232
- 54903 BIRCH, J. A., DEVINE, J. R., and HOLMES, M. R. J. Field experiments on the magnesium requirement of cereals, potatoes and sugar beet in relation to nitrogen and potassium application. J. Sci. Food Agr. 17(2):76-81. Feb. 1966. 382 So12
- 54904 BOCKELEEE-MORVAN, A. Application of fertilizers on peanuts in Senegal. (Fr) Oleagineux 20(10):589-590. Oct.1965. 77.8 OL2
Effects on yields.
- 54905 BOGUSLAWSKI, E. VON. Fertilizing, yield, and quality of wheat. (Ge) Arb. Getreideforsch. Ber. Getreidechem.-Tag. 1964:219-238. Ref. 389.9 Ar1
Literature review.
- 54906 BOSKMA, K. Lime position of soil and yield of turnips grown as catch crop. (Du) Netherlands. Rlandbvoorlichtingsdienst. Landbouwoorlichting. 21(8/9):435-438. Aug./Sept.1964. 12 N838M
- 54907 BOYD, D. A. The relationship between crop response and the determination of soil phosphorus by chemical methods. II. Great Britain. Min. Agr. Fish. Food. Tech. Bull. 13:94-102. 1965. 10 G79T
Chiefly potato response to phosphorus fertilizer in Great Britain.
- 54908 BRELAND, H. L., PRITCHETT, W. L., and LUNDY, H. W. Liming soils for flue-cured tobacco in the Suwannee Valley area. Fla. Agr. Exp. Sta. Tech. Bull. 702,38 p. Ref. Nov.1965. 100 F66S
- 54909 BRODSGAARD, K. Fertilizing of winter grain. (Da) Landbonyt 19(9):328-330. Sept.1965. 11 L2322

- 54910 BROWN, A. L., and KRANTZ, B. A. Source and placement of zinc and phosphorus for corn (*Zea mays* L.). *Soil Sci. Soc. Amer. Proc.* 30 (1):86-89. Ref. Jan./Feb.1966. 56.9 So3
- 54911 BRUIN, P., and GROOTENHUIS, J. A. The three organic material farms at Nagele and the miniature farms on the Dr. H. J. Lovink-Hoeve Experimental Farm at Marknesse. (Du) *Landbouwkundig Tijdschr.* 77(21):759-770. Dec. 1965. 105.2 Or3
English summary.
Fertilizer research.
- 54912 CARPENA, O. The nutritive needs of citrus— influence of soil and variety. (Sp) *Cent. Eda- fol. Biol. Apl. Segura. Mem.* 1961/62:137-144. 1964. 56.9 C332
- 54913 CARPENA, O., and FERNANDEZ, F. G. The tomato of Murcia—experiences with fertiliza- tion. (Sp) *Cent. Edafol. Biol. Apl. Segura. Mem.* 1961-62:85-92. 1964. 56.9 C332
From *Acta Salmaticensia, Ciencias.*
- 54914 CERVATO, A. Results of meadow-pasture fer- tilizing tests on the Piacenza Apennines. (It) *Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.)*4(3):413-448. Ref. Dec.1964. 16 M582
English summary.
- 54915 CHAMBERS, L. New potential for North Dako- ta grasslands. *Fert. Solutions* 10(2):20,22,24. Mar./Apr.1966. 57.8 So4
Fertilizing.
- 54916 CHAO, T. T., and others. Leaf diagnosis of sugar cane plant. (Ch) *Taiwan Sugar Exp. Sta. Rep.* 37:43-59. Ref. Jan.1965. 65.9 F76R
C. H. Chang, T. M. Lai, and T. T. Yang, joint authors.
English summary.
To determine fertilizer needs.
- 54917 CHAPLYGINA, I. N., and MISHIN, A. N. Effect of molybdenum on yields of pea seeds. (Rus) *Vserosyskii Nauchno-Issledovatel'skii Insti- tut Sakharnoi Tsveky i Sakhara. Trudy* 11(1): 107-109. 1964. Not in Libr.
Cited in Ref. *Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 14:20. July 1965. Film S-202
- 54918 CH'EN, K. W., and LU, W. O. Calcium cyana- mide and soil mixtures studied as compost. (Ch) *Turang Tongbao* 2:43-46. 1964. 56.8 T792
- 54919 CHISCI, G. C. Balanced mineral manuring of an irrigated polyphytic meadow. (It) *Ann. Sperim. Agr. (n.s.)*18(1/2):47-78. Ref., p.76-78. 1964, pub.1966. 16 An76
English summary.
- 54920 COLVILLE, W. L. Your pasture—a calf-ateria or cow gymnasium. *Fert. Solutions* 10(2):25, 27-28. Mar./Apr.1966. 57.8 So4
Fertilizing.
- 54921 COOKE, G. W. The responses of crops to phosphate fertilizers in relation to soluble phosphorus in soils. *Great Brit. Min. Agr. Fish. Food. Tech. Bull.* 13:64-74. Ref. 1965. 10 G79T
Field crops and vegetables in Great Britain.
- 54922 CORRIDON, G. A. Variety testing with differ- ent levels of fertilizer. *Washington, U. S. Nat. Agr. Lib., 1965. 2 p. VF Bibliogr.*
Typewritten.
Bibliography.
- 54923 COURTER, J. W., VANDEMARK, J. S., and ARNOLD, C. Y. Fertilizing greenhouse vege- tables. *Ill. Univ. Ext. Circ.* 922,4 p. Jan. 1966. 275.29 IL62C
- 54924 COVAR, R. R., and LOPEZ, M. B. Soil fertil- ity status of some sugar producing areas in Luzon. *Philippine Sugar Inst. Quart.* 11(2):30-39, map. June 1965. 65.9 P533
Sugarcane.
- 54925 CUMMINGS, G. A. Effect of potassium and magnesium fertilization on the yield, size, maturity, and color of Elberta peaches. *Amer. Soc. Hort. Sci. Proc.* 86:133-140. Ref. June 1965. 81 So12
In North Carolina.
- 54926 DAVIDESCU, D., and GHENA, N. Application of fertilizers in the intensive culture of fruit. (Rum) *Gradina Via Livada* 14(8):48-55. Ref. Aug.1965. 80 G75
- 54927 DAVIDESCU, D., and GHENA, N. Effective- ness of mineral fertilizers for apricots on Brown Forest soil. (Rum) *Gradina Via Liva- da* 14(5):32-38. Ref. May 1965. 80 G75
- 54928 DE, R., and SETH, J. For economy and qual- ity; foliar fertilization for berseem. *Indian Farming* 15(6):8. Sept.1965. 22 In283
- 54929 DOBI, Q. Effect of different fertilizers on the maize crop. (Al) *Bul. Shkencave Bujqesore* 4 (4):3-14. 1965. 21.5 B87
English summary.
- 54930 EDEL'NANT, A. S. Effects of green manures on soil fertility and biological processes of young apple trees. (Rus) *Uzbek. Biol. Zh.* 6: 43-48. 1964. 442.8 Uz1
Legumes.
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 14:36. July 1965. Film S-202
- 54931 EMBLETON, T. W., WALLIHAN, E. F., and GOODALL, G. E. Effectiveness of soil vs. foliar applied zinc and of foliar applied man- ganese on California lemons. *Amer. Soc. Hort. Sci. Proc.* 86:253-259. Ref. June 1965. 81 So12
- 54932 EPPERSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Appalachian Region of Virginia. *Va. Polytech. Inst. Ext. Bull.* 299, 24 p. Apr.1966. 275.29 V81B
Fertilizer recommendations for corn, small grains, and forage plants.
- 54933 FRANCO, E. Adubacao da cana de acucar [Fertilization of sugarcane]. *Sergipe. Dep. De- fesa Insp. Agropecuar. Serv. Defesa Sanit. Veg. Insp. Defesa Sanit. Veg. Publ.* 8,21 p. 1965. 9.2 Se6
- 54934 FRANCO, E. Tecnica de adubacao [Technique of fertilizing]. *Sergipe. Dep. Defesa Insp. Agropecuar. Serv. Defesa Sanit. Veg. Insp. Defesa Sanit. Veg. Publ.* 7,17 p. 1965. 9.2 Se6
Includes soil analysis.
- 54935 FREGONI, M., and ZIONI, E. Research on fol- iar fertilization of strawberries. (It) *Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.)*4(3):480-488. Ref. Dec.1964. 16 M582
English summary.
- 54936 FRIEDRICH, S. Efficiency even in fertilizing. (Ge) *Presse-Umschau* 16(4):1-6. 1965. 19 L237
- 54937 FULLER, W. H., and RAY, H. E. Basic con- cepts of nitrogen phosphorus and potassium in calcareous soils. *Ariz. Univ. Ext. Bull.* A-42,30 p. July 1965. 275.29 Ar42Bu
With reference to fertilizing of field crops.
- 54938 FURUHATA, A., and HAYASHI, S. On the be- havior of fertilizer elements in deep ploughed soil. 2. The diffusion pattern of NO₃-N. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 85:1-13. Ref. Mar.1965. 107.6 H68
English summary.
- 54939 GALENSA, F. Thomas phosphate fertilizing of fen meadows and arable land. (Ge) *Phosphor- saure* 25(3/4):134-144. 1965. 57.8 P563
Forage plants and field crops.
- 54940 GALLJASEVIC, H. A contribution to the study of the effect of fertilizers and nutritional space on the yields of potatoes. (Se) *Poljoprivredni Pregl.* 14(3/4):117-126. Mar./Apr.1965. 21.5 P753
- 54941 GARATTONI, E. Top dressing of wheat. (It) *Gaz. Com.* 19(1):16-17. Jan.1966. 280.8 G253
- 54942 GERASIMOVICH, S. S. Water regime of soils under winter wheat. (Rus) *Kishinevskii Sel'-skokhozyaistvennyi Institut. Trudy* 34(2):129-133. 1964. 106 K64
As affected by rotation of crops.
Abstracted in Ref. *Zh. Otd. Vypusk [Ser.]* 55, *Rastenievod.* 14:14. July 1965. Film S-202

- 54943 GERICKE, S. Effect of many years phosphate fertilizing on soils and crops. (Ge) Phosphorsauere 25(3/4):186-210. 1965. 57.8 P563
- 54944 GIRKO, P. A., and PANCHENKO, S. M. Effect of minor elements on proso yields. (Rus) In Kief. Institut Fiziologii Rastenii. Mikroelementy v zhizni rasteniy, zhivotnykh i cheloveka 1964:210-213. 386.2 K542
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:19. July 1965. Film S-202
- 54945 GISIGER, L. Fertilization experiment with phosphoric acid and potash, six years on meadow and afterwards on an alfalfa-grass-culture on the same soil. (Ge) Schweiz. Landwirt. Forsch. 4(2):191-214. 1965. 17 Sch99
English summary.
- 54946 GOLOBOROD'KO, N. I. Effects of organic and mineral fertilizers on moisture, content of nutritional substances in soil and the yields of corn. (Rus) In Rol'udobrenii i drugikh faktorov v povyshenii produktivnosti rastenii 1964: 23-28. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:18. July 1965. Film S-202
- 54947 GREENE, R. E. Investigations of soil nitrogen levels and nitrogen fertilization of hard red winter wheat. Diss. Abs. 26(3):1266-1267. Sept.1965. 241.8 M58
- 54948 GRILL, F., and SCHLOSSER, H. The potassium and phosphorus content of the wood of differently manured vines. (Ge) Klosterneuburg. Hohen Bundeslehr- Versuchsanst. Wein- Obstbau. Mitt. Ser. A, Rebe Wein 15(4):178-180. July 1965. 105.9 K696
English summary.
As a substitute for foliar analysis in determining soil nutrients.
- 54949 GROBLER, J. H. Maize—when to apply nitrogen. Farming S. Afr. 41(12):55. Mar.1966. 24 So842
Fertilizer.
- 54950 GUEDES, O. J., and PECORA, E. J. Minerales de arcilla de algunos perfiles de suelos de la Provincia de Entre Rios [Clay minerals of some soil profiles of the Province of Entre Rios]. Rev. Invest. Agropecuar. Ser. 3, Clima Suelo 1(1):1-32. Ref. 1964. 343 R32
English summary.
- 54951 GUILLEN, M. G., and FERNANDEZ, F. G. Studies on the tomato in Jaen Province—experiences with fertilization. (Sp) Cent. Edafol. Biol. Apl. Segura. Mem. 1961-62:101-106. 1964. 56.9 C332
From Acta Salmaticensia, Ciencias.
- 54952 HARDY, G. W. Foliar analysis: to harvest more cotton, a method to determine when fertilizers should be applied to cotton, and the necessary quantities and frequency. (Sp) Agr. Amer. 14(8):20-22, 24, 58. Aug.1965. 58.8 Ag832
- 54953 HARMSSEN, H. E. Nitrogen fertilizing and the gross yield of grassland. (Du) Neth. Dir. Landbouw. Landbouvoorlichting 22(10/11): 531-534. Oct./Nov.1965. 12 N383M
- 54954 HOFFNAR, B. R., and JOHNSON, G. L. Summary and evaluation of the cooperative agronomic-economic experimentation at Michigan State University, 1955-63. Mich. Agr. Exp. Sta. Res. Bull. 11,181 p. Ref. 1966. 100 M58R
Fertility and crop rotation; field crop yields with N, P, and K, and optimum combinations at various price levels.
- 54955 HOLOBRADY, K., CERMAK, F., and HALAS-ZOVA, E. Changes in the fall-out dust composition of some cement-works in Czechoslovakia. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8: 263-279. Ref. 1964. 281.9 N632
English summary.
Cement dusts as soil amendment for acid soils.
- 54956 HONYA, K., and YOSHINO, T. Fundamental studies on the application of phosphorus to crops. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 32:41-60. Ref. Mar.1965. 107.6 M822
English summary.
Rice.
- 54957 HOPKINS, D. P. Fertilisers. Soc. Chem. Indust. Rep. Progr. Appl. Chem. 49:319-325. Ref. 1964. 382 M31R
Reviews on use and manufacture.
- 54958 HOPPER, W. D. Planning "yardsticks" for fertilizer and irrigation. Agr. Situation India 20(6):463-477. Sept.1965. 281.9 In23
Nitrogen and phosphorus fertilizers applied to field crops.
- 54959 IGARASHI, T., SAWADA, Y., and NITTA, K. Studies on techniques of fertilization for cultivation of grasses and legumes in Tokachi volcanic ash soil. I. Effects of amounts and placement of superphosphate on growth of red-clover and timothy. (Ja) Hokkaido Nat. Agr. Exp. Sta. Res. Bull. 85:14-22. Ref. Mar.1965. 107.6 H68
English summary.
- 54960 ISHIZUKA, Y., and others. Studies on the placement of fertilizers for upland crops. 4. The diffusion of nitrogen fertilizers and the growth of crop roots. (Ja) J. Sci. Soil Manure 36(10):289-296. Oct.1965. 56.8 J27
M. Hayashi, S. Oagata, and I. Harada, joint authors.
- 54961 IYER, S. B., and RAMALINGOM, R. Assessment of soil fertility—a comparison of two modes. Indian J. Agr. Econ. 20(4):96-101. Oct./Dec.1965. 281.8 In2
Statistical method.
- 54962 JONES, M. B. Fertilizing annual grasslands in California. Fert. Solutions 10(2):10-12, 14. Mar./Apr.1966. 57.8 So4
- 54963 JONSSON, L., and FRANK, J. E. Faltforsok med stigande mangder kvave till slattervall. Field trials with increasing rates of nitrogen to short term leys. Uppsala. Lantbrukshogsk. Medd. Ser. A, 45,27 p. 1966. 11 Up62
English summary.
- 54964 JUCKER, H. The importance and use of sewage compost in grape culture. (Ge) Schweiz. Z. Obst- Weinbau 102(3):81-83. Feb.5,1966. 80 Sch9
- 54965 JUNG, F. Experiments with increasing phosphate rates and application at different dates. (Ge) Phosphorsauere 25(3/4):173-185. 1965. 57.8 P563
Field crops.
- 54966 KHAR'KOV, G. D. Application of molybdenum and lime in growing peas on acid-podzolic soils. (Rus) Mezhvuzovaya Nauchnaya Konferentsiya po Raionirovaniyu i Priemam Vozdelyvaniya Zernobobovykh Kul'tur na Vostokey Lesostepnoi Polosy. Trudy 1963:198-207. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:25. July 1965. Film S-202
- 54967 KISS, S. Top dressing of winter cereals is urgent. (Hu) Magyar Mezogazdasag 21(10):8. Mar.9,1966. 19 M27
Nitrogen and urea.
- 54968 KLEMYSHCHEV, P. Evaluation of the effectiveness of chemicalization. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 109:1-9. Dec.22, 1965. (JPRS 33,451; TT 65-34025; CSO 1840-D) 173 J663Tso
Chemical fertilizers used.
Translation from Planovoe Khozyaistvo 11: 50-55. Nov.1965.
- 54969 KOLTAY, A. Single or divided top dressing? (Hu) Magyar Mezogazdasag 21(6):7-8. Feb.9, 1966. 19 M27
Nitrogen fertilization of wheat.
- 54970 KRISTAN, F. Results of tests with fertilizers in the potato production region. (Cz) Za Vysokou Urodu 13(12,sup.):10-12. Dec.7,1965. 64.8 Z12

- 54971 KRISZTIAN, J. Green manuring in the northern mountain region farms. (Hu) Magyar Mezőgazdaság 21(7):12-13. Feb. 16, 1966. 19 M27
- 54972 KRUMME, R. Grassland fertilization. Fert. Solutions 10(2):6-7, 9-10. Mar./Apr. 1966. 57.8 So4
Coastal Bermudagrass in Texas.
- 54973 KÜRTEN, P. W. Triennial field trials with Thomas phosphate advance fertilizing and spring fertilizing with Rustica-nitrogen potash. (Ge) Phosphorsäure 25(3/4):165-172. 1965. 57.8 P563
Field crops.
- 54974 LEU, H. Nitrogen—a yield determining element; sources of loss, effects, use. (Ge) Schweiz. Landwirt. Monatsh. 44(2):79-92. Feb. 1966. 17 Sch93
Includes losses by leaching and evaporation; used as field crop fertilizer.
- 54975 LI, C. K. A discussion on China's potassium fertilizer, based on content and the situation of potassium in soil. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:17-28. Ref. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663 Tcco
Translation from K'o Hsueh T'ung Pao 9:780-786. 1964.
Issued by CFSTI.
- 54976 LI, L. H., and others. The application of bagasse furnace ash to sugarcane field. (Ch) Taiwan Sugar Exp Sta. Rep. 38:53-79. Apr. 1965. 65.9 F76R
Y. S. Chan, S. T. Liao, S. F. Cheng, H. T. Chung, and S. Y. Liao, joint authors.
English summary.
- 54977 LI, L. Y., and CHUANG, I. M. Influence of interplanting of other crops in young orchards in hilly regions with Red soil on the character of the soil. (Ch) Zhongguo Nongye Kexue 10:49-51. Oct. 1964. 22.5 N928
- 54978 LOMAKKA, L. Forsök med godsling av potatis i norra Sverige. I. Kväve- och fosforgodsling. Fertilizing experiments in potatoes in northern Sweden. I. Fertilizing with nitrogen and phosphorus. Uppsala. Lantbrukshögsk. Medd. Ser. A, 44, 54 p. Ref. 1966. 11 Up62
English summary.
- 54979 LONG, O. H., and WALKER, W. M. Predicting soybean yields from actual yields and soil-test values. Tenn. Farm Home Sci. Progr. Rep. 56:4-5. Oct./Dec. 1965. 100 T25F
Liming and fertilizing.
- 54980 LOTERO, J. The magnitude and duration of the effect of urine applied by grazing cattle on the N and K of pasture swards. Diss. Abs. 26(8):4155. Feb. 1966. 241.8 M58
- 54981 LUCAS, R. E., RIEKE, P. E., and FARNHAM, R. S. Peats for soil improvement and soil mixes. Mich. State Univ. Ext. Ext. Bull. 516, 11 p. Ref. Dec. 1965. 275.29 M58B
- 54982 LUCHKO, O. S. Application of molybdenum—effective method for increase of pea yields. (Uk) In Zhyvlennya na udobrennyakh sil's'ko-hospodars'kykh kul'tur 1964:131-134. (Not in Lib.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:20. July 1965. Film S-202
- 54983 MACKAY, D. C., MACEACHERN, C. R., and BISHOP, R. F. Optimum nutrient levels in potato leaves (*Solanum tuberosum* L.). Soil Sci. Soc. Amer. Proc. 30(1):73-76. Ref. Jan./Feb. 1966. 56.9 So3
Relation to N, P, and K applied fertilizer.
- 54984 MANICKAM, T. S., MAHALINGAM, M., and MARIKULANDAI, A. Use of kiln dust as a potassium supplier. Madras Agr. J. 52(6):284-285. June 1965. 22 M262
Cement dust as fertilizer for grain.
- 54985 MARTIN, W. E., and others. Fertilization of irrigated pasture and forage crops in California. Calif. Agr. Exp. Sta. Bull. 815, 36 p. July 1965. 100 C12S
V. V. Rendig, A. D. Haig, and L. J. Berry, joint authors.
- 54986 MAURICE, J., and TROCME, S. Observations on the boron in soils and plants. (Fr) Ann. Agron. 16(5):579-593. Ref. p. 592-593. 1965. 14 F8499
English summary.
- 54987 MCLAUCHLAN, G. 1,000,000 tons of fertilizer a year are being spread by aerial topdressing. New Zeal. J. Agr. 112(2):9-11, 13. Feb. 1966. 23 N48J
Phosphates.
- 54988 MESZOLY, GY., and HODOSSI, S. The development of the yields of some early outdoor tomato varieties as effected by various dosage rates of chemical fertilizer. (Hu) Növénytermelés 15(1):33-42. Mar. 1966. 64.8 N76
English summary.
- 54989 MONNIER, G., and GRAS, R. Effect of a culture of green manure on the physical properties of an orchard soil. (Fr) Ann. Agron. 16(5):553-577. Ref. 1965. 14 F8499
English summary.
- 54990 MUIR, B. C. M. Superphosphate, the most profitable dressings for old top-dressed pasture. J. Agr. [Melbourne] 64(2):53-58. Feb. 1966. 23 V66J
- 54991 MURPHY, H. J., and GOVEN, M. J. Effect of source of potash and magnesium on yield and quality of potatoes in Maine. Maine Farm Res. 13(4):5-6. Jan. 1966. 100 M28Ma
- 54992 MURPHY, H. J., GOVEN, M. J., and ROURKE, R. V. Fertilization of potatoes grown on Caribou and Allagash soils. Maine Farm Res. 13(4):30-32. Jan. 1966. 100 M28Ma
Different rates of nitrogen, phosphorus, and potassium.
- 54993 NICOLAE, C. The influence of chemical fertilizers and amendments on wheat yield on the Smonitza type soil of the Burdea-Arges Plain. (Rum) Probl. Agr. [Bucharest] 18(2):4-11. Feb. 1966. 21 R862
English summary.
Nitrogen and phosphorus applied to soils on Rumanian state farms.
- 54994 NIESCHLAG, F. What does soil fertility cost and what are the profits? (Ge) Mitt. Deut. Landwirt.-Ges. 81(14):596-598. Apr. 7, 1966. 18 N39
Fertilizing.
- 54995 NOUR, M., and CORGAN, J. N. Fertilizer experiments with vegetables in the Middle Rio Grande and Mesilla valleys. N. Mex. Agr. Exp. Sta. Res. Rep. 116, 5 p. Nov. 23, 1965. 100 N465R
Nitrogen, phosphorus, and potassium for lettuce, tomatoes, and potatoes.
- 54996 OCHS, R. Contribution to the study of potassium fertilizers for the oil palm. (Fr) Oleagineux 20(8/9):497-501. (Concl.) Ref. Aug./Sept. 1965. 77.8 OL2
English summary, p. XXXIX.
- 54997 OLAND, K. Spraying apple trees with urea in late fall. (No) Gartneryrket 56(6):94-96, 107. Feb. 4, 1966. 80 G1938
- 54998 OLLAGNIER, M., and GILLIER, P. Comparison of foliar diagnosis and soil analysis for determination of fertilizer needs of peanuts in Senegal (phosphorus and potassium). (Fr) Oleagineux 20(8/9):513-516. Aug./Sept. 1965. 77.8 OL2
English summary, p. XXXIX.
- 54999 OUANG, T. Y. Rice nutrition in Taiwan. (Fr) J. Agr. Trop. Bot. Appl. 12(1/3):114-116. Jan./Mar. 1965. 26 J822
Fertilizing.
- 55000 OUD, P. Foliar diagnosis in fruit culture. (Du) Ned. Fruittelers Organ. Berichtenbl. 21(11/12):251. Nov./Dec. 1965. 95.8 N28
- 55001 OUD, P. Working with sward. (Du) Ned. Fruittelers Organ. Berichtenbl. 22(2):38-39. Feb. 1966. 95.9 N28
Chiefly fertilizing of fruit.

- 55002 OUD, P. Worry over the soil analysis figure. (Du) Ned. Fruittelers Organ. Berichtenbl. 22 (1):13-14. Jan.1966. 95.9 N28
Chiefly fertilizer directions.
- 55003 PAINTER, C. G. "Testing tells" project in Idaho. Agrichem. West 9(3):23. Mar.1966. 381 Ag85
Fertilizer tests on forage crops and potatoes.
- 55004 PALMERTREE, H. D., WARD, C. Y., and KIM-BROUGH, L. Refertilization of established roadside slopes in Mississippi. Ohio. State Univ. Short Course Roadside Develop. 24:70-75. 1965. 288.9 Oh3
Nitrogen, phosphorus, and potassium fertilizers for Bermudagrass.
- 55005 PARNIA, C. The effect of organic and mineral fertilizers on the yields of cherries. (Rum) Gradina Via Livada 14(9):71-74. Sept.1965. 80 G75
English summary.
- 55006 POSTNIKOV, A. The agrochemical service—key to the chemization of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 92: 1-6. Aug.25,1965. (JPRS 31,697; TT 65-32192; CSO 1840-N) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 29:29. July 21,1965.
- 55007 RAMSEY, D. M. The contractor and liquid fertilizers. Farm Gard. Contract. 5(2):4-5. Feb.1966. 58.8 F227
Chiefly on the fertilizers and their application.
- 55008 RAO, R. S. B., and VENKATESAN, G. A few observations on the growing of Sesbania speciosa at Aduthurai. Madras Agr. J. 52(6):280-283. June 1965. 22 M262
Green manure crop.
- 55009 RATHJE, W. Energy producing, assimilable nutrients in the soil. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 110(3):189-192. Ref. Sept. 1965. 384 Z343A
English summary, p.VI.
- 55010 RAWES, M. Residual effect of a manurial treatment in the northern Pennines. Scot. Agr. 45(1):39-41. Winter 1965/66. 10 Sco82So
Pastures.
- 55011 REDIES, M., and VIMPANY, I. Phosphorus fertilization in pot trials. Australian Inst. Agr. Sci. J. 31(4):322-323. Dec.1965. 23 Au74
Japanese millet.
- 55012 ROGERS, H. V., and FERREE, R. J. 1966 fertilizer recommendations for South Carolina. Clemson Univ. Ext. Circ. 476,rev.,19 p. Oct. 1965. 275.29 So8E
Chiefly field crops, fruits, and vegetables.
- 55013 ROLL-HANSEN, J. Experiments with fertilizing of carrot. (No) Gartneryrket 56(6):90-92, 111. Feb.4,1966. 80 G1938
- 55014 ROMBALDI, G. P. Alfalfa in hill areas. (It) Avvenire Agr. 73(5):111-113. May 1965. 16 Av9
Fertilizing.
- 55015 SAAKYANTS, K. B. Effect of soil drying on its fertility. (Rus) Tashkent. Gos. Univ. V. I. Lenina. Nauch. Tr. Biol. Pochvoved. 241:99-105. 1964. 442.9 T18
In relation to cotton yields.
- 55016 SAIPZHANOV, M. M. Fertilization of corn and durra grown on meadow salty soils in Fergana Valley. (Rus) Tashkent. Nauchno-Issled. Inst. po Khlopkov. Sborn. Nauch. Rabot. Aspirantov SoyuzNIKHI 4:133-136. 1964. 72.9 T182Sb
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:18. July 1965. Film S-202
- 55017 SAPEGIN, L. M. Effect of mineral fertilizers on productivity of timothy [Phleum pratense] growing among other flood-plain grasses. (Rus) Khim. Sel'skom Khoz. 3(11):8-11. Ref. Nov.1965. 385 K524
- 55018 SCHECHTNER, G. Reply to the comments of H. Schiller, E. Lengauer and others on the paper "Problems of Grassland Fertilizing." (Ge) Bodenkultur 16(4):397-400. Nov.1965. 19 B635
Austria.
- 55019 SCHEFFER, F. Higher soil productivity through fertilizing. (Ge) Mitt. Deut. Landwirt.-Ges. 81(14):567-570,572,574. Apr.7,1966. 18 N39
- 55020 SCHILLER, H., and LENGAUER, E. Point of view to critical remarks on "Problems of Grassland Fertilizing." (Ge) Bodenkultur 16 (3):297-299. Sept.1965. 19 B635
By G. Schechtner; Austria.
- 55021 SCHWERDT, K. PK-and manure fertilizing of meadows. (Ge) Phosphorsaure 25(3/4):101-109. 1965. 57.8 P563
- 55022 SELKE, W. Status and outlook for soil fertilization in the GDR. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 327:1-9. Dec.24,1964. (JPRS 27,987; CSO 2900-D) 173 J663Ste
Translation from Wissenschaftlich-Technischer Fortschritt für die Landwirtschaft 10: 437-441. Oct.1964.
- 55023 SIMON, W., and ROGMANN, H. The influence of forage plants as main and catch crop on the yield and fertility of various soils. V. (Ge) Albrecht-Thaer-Arch. 9(3):301-320. 1965. 18 AL1
- 55024 SIMONS, R. K. Nutritional status of apple trees in relation to location of sample, date, variety and irrigation. Amer. Soc. Hort. Sci. Proc. 86:55-60. Ref. June 1965. 81 So12
Using foliar analysis.
- 55025 SLULJSMANS, C. M. J. Toward fertilizer management. (Du) Landbouwkundig Tijdschr. 77 (21):771-779. Dec.1965. 105.2 Or3
English summary.
Advisory work program.
- 55026 SMILDE, K. W. Supply of Netherlands arable crops with minor elements. (Du) Landbouwkundig Tijdschr. 77(21):780-787. Ref. Dec. 1965. 105.2 Or3
- 55027 SMITH, B. A. J. Four seasons of potash trials in Taranaki show important results. New Zeal. J. Agr. 112(3):63,65. Mar.1966. 23 N48J
Effects on hay and grass yields.
- 55028 SMITH, F. B., and THORNTON, G. D. Organic fertilizer and mulching. (Sp) SCRAL (Soc. Coop. Rural Argent. Ltda.) 11(131):412,414. Nov.1965. 9 So17
- 55029 SOMERS, F. Organic soil improvement materials in horticulture. (Fl) Tuinbouwberichten 29(8):333-335. Aug.1965. 80 T817
Chiefly manure and compost.
- 55030 SOUNDARARAJAN, R. Effect of phosphorus on the yield and composition of green manure and availability of organic phosphorus in paddy soils. Madras Agr. J. 52(6):263-270. Ref. June 1965. 22 M262
Sunn Crotalaria.
- 55031 SPALDON, E., BELEJ, J., and KUKA, J. The effect of different ways of applying manure and fertilizers and of preceding crops on the yield of corn for seed. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:63-76. Ref. 1964. 281.9 N632
English summary.
- 55032 STABEL, C. On boron deficiency and boron fertilizing problems. (Da) Landbonyt 19(10): 364-367. Oct.1965. 11 L2322
Root crops.
- 55033 STEEN, E. Liquid ammonia for meadow and pasture. (Sw) Svensk Valltidskr. 4(5):153-154. 1965. 60.8 Sv22
- 55034 STRIETMAN, H. On nitrogen fertilizing. (Du) Ned. Fruittelers Organ. Berichtenbl. 22(1):7. Jan.1966. 95.9 N28
Fruit.

- 55035 STRNAD, P. Results of tests with fertilizers in the sugar beet production region. (Cz) *Za Vysokou Urodu* 13(12,sup.):9-10. Dec.7,1965. 64.8 Z12
- 55036 SVAB, MRS. J. The effect of combined organic and mineral fertilizers on the industrial yield of *Solanum laciniatum*. (Hu) *Herba Hung.* 4(1):75-88. 1965. 71.8 H413
English summary.
- 55037 SVANBERG, O. Addition of superphosphate to farmyard manure. (Sw) *Vaxt-Narings-Nytt* 22(1):14-17. Ref. Feb.1966. 57.8 V47
English summary, p.2-3 of supplement.
- 55038 THOMAS, K. M. Influence of nitrogen and P_2O_5 on the yield of ginger. *Madras Agr. J.* 52(12):512-515. Dec.1965. 22 M262
- 55039 TIMARIU, G., ROSU, G., and ONISIE, T. Testing the factor complex as related to the increase of wheat and maize yields on the Podul Iloaiei Chernozem. (Rum) *Probl. Agr. [Bucharest]* 17(10):17-24. Ref. Oct.1965. 21 R862
English summary.
Influence of fertilizers and tillage in Rumania.
- 55040 TOHOKU NATIONAL AGRICULTURAL EXPERIMENT STATION, SECOND AGRONOMY DIV. AND FARM MANAGEMENT DIV. Analysis on the mechanism of soil building by the survey of agricultural environment of reclaimed land different in soils and elevations. (Ja) *Tohoku Nat. Agr. Exp. Sta. Bull.* 31:1-44. Ref. Mar.1965. 107.6 M822
English summary.
Soil fertility in reclaimed land.
- 55041 TREVETT, M. F. Effect of fall burning on response to fertilizers in lowbush blueberries. *Maine Farm Res.* 13(4):43-44. Jan.1966. 100 M28Ma
Response to nitrogen.
- 55042 TRSTENJAK, M. Microphos in vineyard. (Se) *Agrohemija* 10:580-581. 1965. 385 Ag87
- 55043 TURNER, D. O. Yield, longevity, and response to lime of certain grass and legume varieties on Nisqually loamy sand. *Wash. Agr. Exp. Sta. Circ.* 460,13 p. Jan.1966. 100 W27S
- 55044 VEEKEN, A. M. VAN DER. Fertilizing of sandy grassland in North Brabant. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 22(10/11):516-520. Oct./Nov.1965. 12 N383M
- 55045 VILLEMAIN, G. Rules to follow when applying fertilizers manually in West African coconut groves. (Fr) *Oleagineux* 20(8/9):503-505. Aug./Sept.1965. 77.8 OL2
- 55046 VINCZEFFY, I. Effect of mineral fertilizers on grasses. (Hu) *Magyar Mezogazdasag* 21(6):8-9. Feb.9,1966. 19 M27
- 55047 VOLK, G. M. Surface applied urea. *Agrichem.* West 9(4):7-8. Apr.1966. 381 Ag85
- 55048 WAGNER, R. E., and GRIFFITH, W. K. How high are top yields? *Agr. Chem.* 21(3):51,53. Mar.1966. 381 Ag8
Corn and alfalfa fertilizing.
- 55049 WAY, W. A. Rx for sick soil. *Vt. Farm Home Sci.* 8(2):6-7,10. Fall 1965. 100 V593
"Slide rule" prescriptions from soil test data.
- 55050 WILL, H., PEHL, P., and JURGENS-GSCHWIND, S. The interaction of fertilizing and irrigation. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(30):1190,1192,1194. July 29,1965. 18 N39
Field crops.
- 55051 YUKNA, YA. YA. Changes of yields and botanical composition of natural meadow induced by application of molybdenum. (Rus) *Latvijas PSR Zinatnu Akademijs. Institut Biologii. Rastitel'nost Latvii skoi SSR* 4:241-258. 1964. 451 R44
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:45. July 1965. Film S-202
- 55052 ZIEMER, F. H. From 1966 on, lime again regularly and heavily! (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(7):234,236,238-239. Feb.17, 1966. 18 N39
- 55053 ZIGANSHINA, V. S. Effect of fertilizers on spring wheat grown from different size of seeds. (Rus) *Kazanskii Sel'skokhozyaistvennyi Institut. Trudy* 44:65-72. 1964. 106 K183
Yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:16. July 1965. Film S-202
- 55054 ZURN, F. Research on fertilizer application time with potassium on permanent pastures. (Ge) *Bodenkultur* 16(4):303-313. Nov.1965. 19 B635
English summary.
Austria.
- 55055 ZWEERDE, H. VAN DER. Serradella as green manure. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 22(6):300-302. June 1965. 12 N383M

Soil Tilth and Tillage

- 55056 ADAMS, J. E. Influence of mulches on runoff, erosion, and soil moisture depletion. *Soil Sci. Soc. Amer. Proc.* 30(1):110-114. Ref. Jan./Feb.1966. 56.9 So3
- 55057 ARMASESCU, I. Optimal number of tillage works performed in young vineyards on slopes. (Rum) *Gradina Via Livada* 14(5):29-31. May 1965. 80 G75
- 55058 AVTONOMOV, A. A., and MADRIMOV, A. Plowing and leaching of soils in Golodnaya Step. (Rus) *Khlopkovodstvo* 2:20-22. Feb. 1966. 72.8 K522
- 55059 CANARACHE, A. Method for evaluating variations in tillage draft requirement as related to moisture content. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:99-102. 1964, pub. 1965. 21 R86A
English summary.
- 55060 COREY, A. T. Do mulches conserve waters? *Amer. Rose Annu.* 51:132-135. 1966. 81 Am31A
- 55061 FREE, G. R., and BOVING, P. A. A proposed classification of tillage operations. *Amer. Soc. Agr. Eng. Pap.* 701,7 p. 1965. 290.9 Am32P
- 55062 FRESE, H. When is crumb deepening practical? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(14):574-576,578. Apr.7,1966. 18 N39
- 55063 HOPEN, H. J. Effects of black and transparent polyethylene mulches on soil temperature, sweet corn growth and maturity in a cool growing season. *Amer. Soc. Hort. Sci. Proc.* 86:415-420. Ref. June 1965. 81 So12
- 55064 KALVERKAMP, U. D. Winter pre-plowing. (Du) *Loonbedrijf Land- Tuinbouw* 18(11):813, 815. Nov.1965. 283.8 L87
- 55065 KITANI, O. Fundamental studies on tillage machinery. VII. Development of load-cell type and two-plane type micro soil stress meters and their performance. (Ja) *Soc. Agr. Mach. Jap. J.* 27(1):24-27. June 1965. 58.9 So1
English summary.
- 55066 KOLLAR, B. A contribution to the problem of date of ploughing for winter barley sowing. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:109-114. 1964. 281.9 N632
English summary.
- 55067 MANNERING, J. V., MEYER, L. D., and JOHNSON, C. B. Infiltration and erosion as affected by minimum tillage for corn (*Zea mays* L.). *Soil Sci. Soc. Amer. Proc.* 30(1):101-105. Ref. Jan./Feb.1966. 56.9 So3
- 55068 MCCracken, W. Deep tillage, deep roots, more cotton. *West. Crops* 15(3):14-16. Mar. 1966. 281.8 F2225N
- 55069 MIZEROV, A. W. Influence of cultivation on agrochemical properties of soils in Karelia. (Rus) *Agrokhiimiya* 7:64-73. July 1964. 385 Ag89

- 55070 NAGY, J. Spring soil preparation for vegetable seed production. (Hu) *Kerteszeti Szólesz.* 15 (6):10. Mar.1966. 80 K474
- 55071 NAVRATIL, J. Preparation of soil for planting. (Cz) *Za Vysokou Urodu* 14(1):9-10. Jan.12,1966. 64.8 Z12
- 55072 NYEKI, J. Soil work in the spring. (Hu) *Magyar Mezogazdasag* 21(8):6-7. Feb.23,1966. 19 M27
Tillage.
- 55073 OIEN, S. Is our tillage suited to the times or tradition-bound? (Da) *Tidsskr. Landokon.* 8: 328-337. Oct.1965. 11 T43
- 55074 OUWERKERK, C. VAN. Effects of ploughing depth on the chemical and physical properties of an old arable-land soil. (Du) *Landbouwkundig Tijdschr.* 77(21):850-859. Ref. Dec.1965. 105.2 Or3
English summary.
- 55075 PETIGK, J. The effect of long term differential soil cultivation and manuring on the physical properties of soil at Dahlem. (Ge) *Z. Acker-Pflanzenbau* 123(3):269-306. Ref. Feb.1966. 18 J825
English summary.
Use of farm manure.
- 55076 RID, H. Soil tillage: key to fertility. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(14):578,580,582, 584. Apr.7,1966. 18 N39
- 55077 SACK, H. Sense and nonsense in world plowing contests. (Ge) *Landtechnik* 21(4):102-105. Feb.15,1966. 58.8 L235
- 55078 SANCHEZ Z, J. E. Tillage in relation to physical properties of the soil. (Sp) *Manabi. Consorcio Cent. Agr. Rev.* 27(107):30-41. Ref. Jan./June 1965. 9.5 M31
- 55079 SHUNDI, A. Some data and thoughts about the land cultivation system in the Lushnja area. (Al) *Bul. Shkencave Bujqesore* 4(3):26-39. 1965. 21.5 B87
English summary.
Tillage.
- 55080 SINGH, T. A. Relationships between seedbed preparation and growth of corn and tobacco plants. *Diss. Abs.* 26(3):1256-1257. Sept.1965. 241.8 M58
- 55081 SOTAKOVA, S., and MICHALIK, I. A contribution to the study of possibility of deepening the arable land of Brown soils of surroundings of Nitra (Preliminary results). (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:163-168. Ref. 1964. 281.9 N632
English summary.
- 55082 THROCKMORTON, R. I., and POYNOR, R. R. Tillage trends and predictions for 1975. *Amer. Soc. Agr. Eng. Pap.* 659,11 p. 1965. 290.9 Am32P
- 55083 TIETJEN, C. The straw behind the combine. (Ge) *Landtechnik* 19(13):504-506. July 1,1964. 58.8 L235
Utilization in soil improvement.
- 55084 TSUNEMATSU, S., and others. Studies on the available uses of pan-breaker. XVI. (Ja) *Soc. Agr. Mach. Jap. J.* 26(4):249-254,235. Mar. 1965. 58.9 So1
T. Yoshida, K. Matsui, Y. Ikeuchi, S. Nambu, K. Yoshida, and E. Ishitani, joint authors.
English summary.
Effects of pan breaking on soils.
- 55085 TURCANY, J., and KUKA, J. Right depth and treatment of the stubble ploughing under quite moist conditions. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:77-87. Ref. 1964. 281.9 N632
English summary.
- 55086 WOODRUFF, N. P., and others. Stubble mulch tillage and planting in crop residue in the Great Plains. *Amer. Soc. Agr. Eng. Pap.* 656, 20 p. Ref. 1965. 290.9 Am32P
C. R. Fenster, W. W. Harris, and M. Lundquist, joint authors.

Drainage, Irrigation, Water Supply, and Flood Control

- 55087 AFFRONTI, F. Plan of reasearch data of a climatological nature gathered for control of irrigation. (It) *Tec. Agr.* 16(3/4):118-120. May/Aug.1964. 16 T22
- 55088 ALDON, E. F., and BROWN, F. J. A prefabricated flume for gaging ephemeral streams. *U. S. Forest Serv. Res. Note RM-55,8 p.* Oct. 1965. A99 9 F7632Us
- 55089 ARBHABHIRAMA, A. Steady upward flow from water tables. *Diss. Abs.* 26(9):5326. Mar. 1966. 241.8 M58
In relation to irrigation and drainage.
- 55090 ARNST, A. N. Experience in proper management of irrigation. (Rus) *Khlopkovodstvo* 2: 33-36, map. Feb.1966. 72.8 K522
Cotton.
- 55091 ASLYNG, H. C. Rain, snow and dew measurements. *Acta Agr. Scand.* 15(3/4):275-283. Ref. 1965. 11 Ac82
Includes runoff and evapotranspiration.
- 55092 AUSTRALIA. RIVER MURRAY COMMISSION. Report for the year 1964-65. Melbourne, 1965. 52 p., map. 292.49 Au7
Irrigation water included.
- 55093 AVRIGEANU, G. Preliminary results of the irrigation regime of some field crops under conditions of the regulated floodlands of the Danube River. (Rum) *Probl. Agr. [Bucharest]* 17(7):47-59. July 1965. 21 R862
English summary.
- 55094 BANCHETTI, P. Irrigation with salt water. (It) *Ital. Agr.* 103(3):229-233. Mar.1966. 16 It1
- 55095 BASSETT, D. L., and SCHREIBER, D. L. Spatially varied unsteady open-channel flow, a basis for automated irrigation system design. *Amer. Soc. Agr. Eng. Pap.* 712,12 p. 1965. 290.9 Am32P
- 55096 BELLIA, F. Technical advice on the pressure aqueduct. (It) *Genio Rurale* 29(2):177-184. Feb.1966. 281.8 R522
Legal aspects of irrigation water use.
- 55097 BENFRATELLO, G. Conduits for irrigation and irrigation equipment. (It) *Tec. Agr.* 17 (5/6):403-446. Sept./Dec.1965. 16 T22
Engineering aspects.
- 55098 BEZRUKOV, B., and DADABAYEV, N. The Aral Sea reclamation. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 100:12-16. Oct.26, 1965. (JPRS 32,541; TT 65-33020; CSO 1840-N) 173 J663Tso
Translation from *Komsomol'skaya Pravda*, Sept.16,1965:2.
- 55099 BIGGAR, J. W. Relationship of salinity to drainage: comparison of computed and experimentally measured ion distribution in drainage water. *Amer. Soc. Agr. Eng. Pap.* 715,22 p. Ref. 1965. 290.9 Am32P
In irrigated agriculture.
- 55100 BLJKERK, C. Designing plans for water management of sloping areas. (Du) *Landbouwkundig Tijdschr.* 76(20):842-863, map. Ref. Nov. 1964. 105.2 Or3
English summary.
- 55101 BLANCO MACIAS, G. Need for facing the frightful problem of the water shortage. (Sp) *Tierra [Mexico]* 20(6):482-483. June 1965. 8 T445
Mexico.

- 55102 BOERSMA, L. Areal representation of soil-water parameters. Amer. Soc. Agr. Eng. Pap. 738,22 p. 1965. 290.9 Am32P
In the Willamette Valley.
- 55103 BOERSMA, L., and others. Progress of irrigation research on Willamette Valley soils. Oreg. Agr. Exp. Sta. Spec. Rep. 212,60 p. Apr.1966. 100 Or3M
G. O. Klock, T. L. Jackson, D. T. Westermann, H. J. Mack, W. Calhoun, W. H. Foote, W. Kornstad, D. G. Watts, and S. N. Miller, joint authors.
- 55104 BOTZAN, M. New results of scientific research relating to draining and irrigation activities. (Rum) Probl. Agr. [Bucharest] 17(6): 10-18. Ref. June 1965. 21 R862
- 55105 BOUMANS, J. H., and MOLEN, W. H. VAN DER. Drainage requirement of irrigated soils in relation to their salinity. (Du) Landbouwkundig Tijdschr. 76(20):880-887. Nov.1964. 105.2 Or3
English summary.
- 55106 BRAGINSKIY, L. Shortcomings in management of irrigated farming. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:1-10. Oct.22,1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Costs of irrigation.
Translation from Planovoe Khoziaystvo 7: 59-65. July 1965.
- 55107 BRAKENSIEK, D. L. Hydrodynamics of overland flow and nonprismatic channels. Amer. Soc. Agr. Eng. Pap. 209,23 p. 1965. 290.9 Am32P
In watersheds.
- 55108 BURFORD, A. E. Drainage patterns of the Appalachian Plateau province. W. Va. Acad. Sci. Proc. 37:160-166, map. 1965, pub.1966. 500 W52
- 55109 BURFORD, J. B., and LILLARD, J. H. Relation of selected characteristics to the hydrologic performance of two small watersheds. Amer. Soc. Agr. Eng. Pap. 719,18 p. 1965. 290.9 Am32P
Factors affecting runoff in Virginia.
- 55110 BURGOS, J. J. Weather adversities. B. Drought. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:85-88. Oct.1965. 9 Id3
Research programs for Argentina.
- 55111 BUSCH, C. D., and KNEEBONE, W. R. Sub-surface irrigation with perforated plastic pipe. Amer. Soc. Agr. Eng. Pap. 203,10 p. 1965. 290.9 Am32P
- 55112 CANAL maintenance problems. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting: 17-21. 1965. 292.9 C712
Panel discussion; moderator: R. J. McMullin; panel members: R. F. Carter, H. Shipley, and H. C. Godbe.
Under Imperial Irrigation District.
- 55113 CHAO, C. S. Symposium on enhancing the utility of irrigation water. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:131-134. June 15,1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 9:838-839. 1964.
Issued by CFSTI.
- 55114 CHERNYKH, A. A., and KISTANOV, N. S. Experiment in soaking grounds with flood water. (Rus) Gidretekhn. i Melior. 1:12-17. Jan.1964. 290.8 G362
- 55115 COLORADO RIVER WATER USERS ASSOCIATION. Twenty-first annual meeting, Las Vegas, Nevada, December 3-4, 1964. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting: 45 p., map. El Centro, 1965? 292.9 C712
- 55116 COREY, G. L. Similitude for non-steady drainage of partially saturated soils. Diss. Abs. 26(9):5345-5346. Mar.1966. 241.8 M58
- 55117 COVIAN, R. G. Reclaiming the Guadalquivir marshes. Mediterranean 8:249-255, map. Oct./Dec.1965. 281.8 M462
Drainage.
- 55118 CSELOTEI, L. Irrigation is still important. (Hu) Kerteszeti Szolész. 15(6):3-5. Mar.1966. 80 K474
Vegetables.
- 55119 DAVIS, J. R. Measuring distribution of water from sprinklers. Amer. Soc. Agr. Eng. Pap. 201,13 p. 1965. 290.9 Am32P
- 55120 DAVIS, J. R. Reducing waste of water on irrigated land. Great Plains Agr. Council. Proc. 1965:41-48. 282.9 G7992
Water conservation policies.
- 55121 DAVIS, R. T. Snow surveys. U. S. D. A. Agr. Inform. Bull. 302,16 p. Dec.1965. 1 Ag84Ab
- 55122 DAVIS, S. Low-cost plastic pipe for new sprinkler irrigation systems in California citrus. Amer. Soc. Agr. Eng. Pap. 205,8 p. 1965. 290.9 Am32P
- 55123 DAWES, J. H. History and evolution of flood hydraulics. Amer. Soc. Agr. Eng. Pap. 207, 22 p. Ref. 1965. 290.9 Am32P
- 55124 DEARBORN, R. H. Automation of sprinkler irrigation in agriculture. Amer. Soc. Agr. Eng. Pap. 709,5 p. 1965. 290.9 Am32P
- 55125 DEBOER, D. W., and JOHNSON, H. P. Flow into tile at joints. Amer. Soc. Agr. Eng. Pap. 212,18 p. 1965. 290.9 Am32P
- 55126 DOMINY, F. E. Basin unity is key to further water resources development. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting:3-5. 1965. 292.9 C712
Supply and conservation.
- 55127 DRAYEV, YU., and RUZHNIKOV, P. Progress in the agriculture of Stavropol'skiy Kray. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88: 9-12. Aug.3,1965. (JPRS 31,394; TT 65-31891; CSO 1840-N) 173 J663Tso
Chiefly irrigation.
Translation from Sel'skoye Stroitel'stvo 6:3-4. 1965.
- 55128 DYKSTERHUIS, E. J. Reduction of water loss through improved range management. Great Plains Agr. Council. Proc. 1965:1-10. Ref. 282.9 G7992
Control of water loss from runoff.
- 55129 EDE, A. N. European standards and specifications for drainage materials. Amer. Soc. Agr. Eng. Pap. 730,22 p. Ref. 1965. 290.9 Am32P
- 55130 ELEMA, H. M. Ditch cleaning demonstration at Den Bommel. (Du) Loonbedrijf Land- Tuinbouw 18(10):757,759,761. Oct.1965. 283.8 L87
- 55131 ERDEI, S. Drainage on the wheat fields is the first thing to do. (Hu) Magyar Mezogazdasag 21(9):3-4. Mar.2,1966. 19 M27
Includes equipment.
- 55132 ERDEI, S. Inland water control is also a farming task. (Hu) Magyar Mezogazdasag 21(8):12-13. Feb.23,1966. 19 M27
- 55133 FANG, K. S. Selection of drainage pumps. Amer. Soc. Agr. Eng. Pap. 215,12 p. 1965. 290.9 Am32P
- 55134 FISCHBACH, P. E. Irrigation pumping plant efficiency. Sprinkler Irrig. Ass. Annu. Tech. Conf. Proc. 1965:101-110. 55.9 Sp8
- 55135 FLÖCKER, W. J., and others. Influence of irrigation and nitrogen fertilization on yield, quality, and size of cantaloupes. Amer. Soc. Hort. Sci. Proc. 86:424-432. Ref. June 1965. 81 So12
J. C. Lingle, R. M. Davis, and R. J. Miller, joint authors.
In California.

- 55136 FREY, J. W., BUCHTA, H. G., and VALLI-COTT, D. R. Conservation practices in Nebraska for more efficient utilization and distribution of water. II. Efficiencies and benefits of contour bench leveling for irrigation. Amer. Soc. Agr. Eng. Pap. 232,9 p. 1965. 290.9 Am32P
- 55137 GARTON, J. E. The present status, future, and economic consideration of automation of irrigation. Amer. Soc. Agr. Eng. Pap. 707, 8 p. 1965. 290.9 Am32P
- 55138 AL GHAFAR, S. A. Progress on the Aswan high dam. U. S. Joint Publ. Res. Serv. Transl. Middle East 194:18-20. Feb.23,1966. (JPRS 34,252; TT 66-30693; CSO 3560-D) 173 J663Trm
Translation from al-Jumhuriyyah, Jan.9, 1966:7.
- 55139 GHEORGHIU, I. M., and ZAMFIR, I. Some problems concerning the maintenance of land reclamation works. (Rum) Probl. Agr. [Bucharest] 17(6):48-60. June 1965. 21 R862
- 55140 GILST, W. J. VAN. Reclamation operations. (Du) Loonbedrijf Land-Tuinbouw 19(1):51,53, 55,57,59,61,63,65. Jan.1966. 283.8 L87
- 55141 GOINA, G., and COCON, I. The utilization of underground waters for irrigation purposes at the agricultural cooperative "Viata Noua" from Sintana, Crisana region. (Rum) Probl. Agr. [Bucharest] 17(6):104-106. June 1965. 21 R862
- 55142 GRAY, A. S. Sprinkler irrigation of lettuce and tomatoes. Amer. Veg. Grower 14(4):26. Apr.1966. 80 C733
Chiefly in California.
- 55143 HAAN, C. T., HUGGINS, L. F., and MONKE, E. J. Sediment transport capacity of circular drains. Amer. Soc. Agr. Eng. Pap. 723,13 p. Ref. 1965. 290.9 Am32P
- 55144 HAISE, H. R., and KRUSE, E. G. Pneumatic valves for automation of surface irrigation systems. Amer. Soc. Agr. Eng. Pap. 711, 21 p. 1965. 290.9 Am32P
- 55145 HAISE, H. R., and KRUSE, E. G. Remote control irrigation. Crops Soils 18(6):7-9. Mar. 1966. 6 W55
Includes equipment.
- 55146 HALLGREN, G. Irrigation and nitrogen fertilization upon pastures. (Sw) Grundforbattring 18(2):99-120. Ref. 1965. 54.8 G92
English summary.
- 55147 HARRIS, W. S. Trends and construction techniques for land grading in Arkansas. Amer. Soc. Agr. Eng. Pap. 234,7 p. 1965. 290.9 Am32P
For improvement of irrigation, drainage, and mechanization.
- 55148 HERNANDEZ, T. P., and others. The value of irrigation in sweet potato production in Louisiana. La. Agr. Exp. Sta. Bull. 607, 15 p. Dec.1965. 100 L93
T. P. Hernandez, J. C. Miller, and L. G. Jones, joint authors.
- 55149 HOUSTON, C. E. New developments in irrigation. Colo. River Water Users' Ass. Proc. 21st Annu. Meeting:6-9. 1965. 292.9 C712
- 55150 HOUSTON, C. E. Trends and costs of land grading for irrigation in California. Amer. Soc. Agr. Eng. Pap. 229,13 p. 1965. 290.9 Am32P
- 55151 HUBER, B. Artificial irrigation in dry inner-alpine regions. Israel J. Bot. 13(2/4):101-104. Mar.1965. 450 Is7
- 55152 HUMPHERYS, A. S. Control structures for automatic surface irrigation systems. Amer. Soc. Agr. Eng. Pap. 710,24 p. 1965. 290.9 Am32P
- 55153 IGA, N. Hydrological improvement works as a means of the increase of agricultural production. (Rum) Probl. Agr. [Bucharest] 17(8):14-17. Aug.1965. 21 R862
Irrigation and drainage.
- 55154 IPAKYAN, S. Development of irrigated farming in the USSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:11-18. Oct.22,1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Vestnik Statistiki 7:9-15. July 1965.
- 55155 ISHAZI, W. Direct advantages of high dam. U. S. Joint Publ. Res. Serv. Transl. Middle East 194:12-14. Feb.23,1966. (JPRS 34,252; TT 66-30693; CSO 3560-D) 173 J663Trm
In Egypt.
Translation from al-Jumhuriyyah, Jan.9, 1966:7.
- 55156 JAEDICKE, C. D. Progress in river basin programs. Great Plains Agr. Counc. Proc. 1965:75-82. 282.9 G7992
Chiefly irrigation projects.
- 55157 JENSEN, M. C., and MIDDLETON, J. E. Scheduling irrigation from pan evaporation. Wash. Agr. Exp. Sta. Circ. 386,rev.,13 p. Sept.1965. 100 W27S
- 55158 JENSEN, M. E. Nonsteady-state drainage of fluid from porous media and drainable porosity. Diss. Abs. 26(9):5327-5328. Mar.1966. 241.8 M58
- 55159 JOHANSSON, W. Irrigation with less work—a survey of materials and application method. (Sw) Svensk Valltidskr. 4(5):134-138. Ref. 1965. 60.8 Sv22
- 55160 JOUANIN. Is it really necessary to dry the marshes? (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(14):975-985. Oct.20/27,1965. 14 P215Bc
Includes discussion.
- 55161 KANEKO, R. Hydrological investigation of water-requirement in paddy field. 18 p. Transl. 14589
Translation from Agricultural Engineering Society of Japan. Journal 25(3). Oct.1957.
- 55162 KENT, K. M. Hydraulic predictions of downstream floods. Amer. Soc. Agr. Eng. Pap. 211,17 p. 1965. 290.9 Am32P
- 55163 KONRAD, D. Acidizing the irrigation well. S. Dak. State Univ. Ext. FS 290,4 p. Jan.1966. 275.29 So85Fs
Treated with sulfamic acid.
- 55164 KORVEN, H. C., and WILCOX, J. C. An evaluation of flow and pressure regulators for sprinkler irrigation. Amer. Soc. Agr. Eng. Pap. 202,11 p. 1965. 290.9 Am32P
- 55165 KRAMMES, J. S., LENT, J. D., and CLARKE, J. W. Streamflow records from the San Dimas Experimental Forest, 1939-1959. U. S. Forest Serv. Res. Note PSW-79,9 p.,map. 1965. A99.9 F7652
- 55166 KRISHNAMURTHY, R. A study on the utility of electrical conductivity as an index of quality of irrigation water. Madras Agr. J. 52(12): 499-505. Dec.1965. 22 M262
- 55167 LIPPARINI, T. Origin in depth of salts in the "salt soils" of the Burana (Modena) reclamation project. (It) Accad. Naz. Agr. Ann. 76: 67-74,map. Ref. 1965. 16 B632A
- 55168 LITTLE, H. C. Determination and analysis of the demand for water diverted from the Truckee River for agricultural use. Diss. Abs. 26 (9):5086. Mar.1966. 241.8 M58
- 55169 LOGINOV, L. I. The feasibility of utilizing sewage water containing natural radioelements for the irrigation of fields. 5 p. (JPRS 20,871; OTS 63-31657) Transl. 15317
Translation from Gigiena i Sanitariya 28(6): 20-23. June 1963.
CFSTI: \$50.
- 55170 LOMBARD, P. B., WESTIGARD, P. H., and CORDY, C. B. Year-round irrigation? Amer. Fruit Grower 86(4):13-14. Apr.1966. 80 G85
Overhead irrigation system which can also be used to control frost and summer heat and apply pesticides; on pears, in Oregon.

- 55171 LUKINSKIY, O. Problems of irrigation discussed at conference in Moscow. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:22-23. Aug.3,1965. (JPRS 31,394; TT 65-31891; CSO 1840-S) 173 J663Tso
Translation from Stroitel'stvo i Arkhitektura Uzbekistana 5. 1965.
- 55172 MAIANU, A., and AKSENOVA, I. Accumulation of alkaline carbonates and of bicarbonates in the mineralized ground waters and in the saline and alkali soils of Rumania. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32: 269-282. Ref. 1964,pub.1965. 21 R86A
English summary.
- 55173 MAIANU, A., and AKSENOVA, I. Contribution to the study of soil secondary salinization as affected by irrigation water quality. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. 32:301-313. Ref. 1964,pub.1965. 21 R86A
English summary.
- 55174 MANFREDI, E. Irrigating apparatus in overhead irrigation systems. (It) Tec. Agr. 17 (5/6):447-468. Ref. Sept./Dec.1965. 16 T22
- 55175 MANSON, P. W., and BLAISDELL, F. W. Computations of energy losses at drain tile junctions. Amer. Soc. Agr. Eng. Pap. 213, 18 p. 1965. 290.9 Am32P
- 55176 MANSON, P. W., ALLRED, E. R., and SCHWARTZ, G. M. The effect of pothole drainage on deep ground water supplies. Amer. Soc. Agr. Eng. Pap. 727,14 p. 1965. 290.9 Am32P
Studies in Minnesota.
- 55177 MATYUNIN, N. F. Furrow irrigation as a method of control of soil erosion caused by irrigation waters. (Rus) Khlopkovodstvo 1:41-42. Jan.1966. 72.8 K522
- 55178 MCFARLAND, K. D. NAWAPA [North American Water and Power Alliance] water life line for a continent. Rural Realtor 17(9):1,6-7. Sept.1965. 282.8 R88
- 55179 MEDICI, G. The problem of water in the world at present. (It) Ital. Agr. 103(3):219-228. Mar.1966. 16 It1
Includes irrigation water and desalting of sea water.
- 55180 MEDNIS, M. P., and KURBANOV, M. Technique of cotton irrigation on elongated rows by wide row planting method. (Rus) Tashkent. Nauch. -Issled. Inst. po Khlopkov. Trudy 4:59-63. 1964. 72.9 T182T
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:29. July 1965. Film S-202
- 55181 MELENTJEVICH, M. J. Characteristics of storage when outflow is dependent upon reservoir volume. Diss. Abs. 26(9):5346. Mar.1966. 241.8 M58
- 55182 MICKELSON, R. H. Level pan construction for diversion and spreading runoff. Amer. Soc. Agr. Eng. Pap. 230,14 p. 1965. 290.9 Am32P
- 55183 MIHNEA, I. Establishing the draining flows for the flat agricultural fields in the low plain of the lower Somes River. (Rum) Probl. Agr. [Bucharest] 17(6):87-98, map. June 1965. 21 R862
English summary.
- 55184 MILLER, A. J. Automatic sprinkler systems for turf. Amer. Soc. Agr. Eng. Pap. 708,5 p. 1965. 290.9 Am32P
- 55185 MORISHIMA, S., and KOJIMA, K. Studies on the mole drainer. II. On the influence of the relative density of soil and the surface pressure of soil. (Ja) Soc. Agr. Mach. Jap. J. 27(1):28-32. June 1965. 58.9 So1
English summary.
- 55186 NISKANEN, M. Some facts concerning the objectives and technique of peatland drainage in Finland. (Fi) Metsataloudellinen Aikakauslehti 83(1):17-18,21-22. Jan.1966. 99.9 F49
English summary.
- 55187 NOSOV, YA. Central Asian Scientific Research Institute of Water Problems and Hydraulic Engineering aids in irrigation of Uzbekistan cotton fields. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 91:8-10. Aug.18, 1965. (JPRS 31,603; TT 65-32098; CSO 1840-D) 173 J663Tso
Translation from Komsomolets Uzbekistana, July 24,1965:3.
- 55188 OOSTRA, A. D. The general design of water supply plans for the sandy soils in the southern part of the Netherlands. (Du) Landbouwkundig Tijdschr. 76(20):864-879, map. Ref. Nov.1964. 105.2 Or3
English summary.
- 55189 OVERTON, D. E. Hydraulics in synthesis of upland runoff hydrographs. Amer. Soc. Agr. Eng. Pap. 210,25 p. 1965. 290.9 Am32P
- 55190 PARISI, L. Irrigated lands. (It) Prog. Agr. [Bologna] 12(1):77-83. Jan.1966. 58.8 P94
- 55191 PAVLOV, G. D. Desalting of water by the crystal hydrate method. 10 p. (JPRS 33,437; TT 65-34011; CSO 1879-D/PE) Transl. 15783
Sea water.
Translation from Vodosnabzhenie i Sanitar'naya Tekhnika 10:26-29. 1965. CFSTI: \$1.00.
- 55192 PEDRERO, J. J. Conservation of agricultural drainage networks. (Sp) Ingenieria Hidraul. Mex. Rev. 19(4):77-94, map. 1965. 290.8 In43
English summary.
- 55193 PEELE, T. C. Irrigation and nitrogen response of Coastal and common Bermudagrass on Lake-land sand. S. C. Agr. Exp. Sta. Bull. 523,5 p. Nov.1965. 100 So8
- 55194 PETERSON, D. F. Man and his water resource. Logan, 1966. 44 p. (Utah State University. Faculty Association. Faculty Honor Lecture, 32, 1966) HD1691.P4
Includes conservation.
- 55195 PETRESCU, N. The economic efficiency of damming, draining and irrigation works. (Rum) Probl. Agr. [Bucharest] 17(6):19-28. June 1965. 21 R862
- 55196 PILLAI, R. K. Nagarjunasagar fights Andhra drought benefits flow as dam rises. Yojana 10 (3):2-6,14-16. Feb.20,1966. 280.8 Y7
Irrigation projects.
- 55197 PIRA, E. S., and others. Water distribution from pressurized subsurface irrigation systems. Amer. Soc. Agr. Eng. Pap. 204,8 p. Ref. 1965. 290.9 Am32P
L. F. Whitney, C. M. Vaziri, and L. F. Michelson, joint authors.
- 55198 PIVOVAROV, V. The Irtysh-Karaganda Canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 95:1-2. Sept.14,1965. (JPRS 31,985; TT 65-32479; CSO 1840-N) 173 J663Tso
For irrigation.
Translation from Kazakhstanskaya Pravda, Aug.18,1965:1.
- 55199 POP, L. Results of studies of the reclamation and use of sandy soils on the left banks of Jiu River. (Rum) Probl. Agr. [Bucharest] 17(8): 40-49. Ref. Aug.1965. 21 R862
- 55200 POWWER, A. A few problems in the use of ground water in horticulture. (Du) Neth. Dir. Tuinbouw. Mededel. 28(1):33-39. Ref. Jan. 1965. 86 N384
English summary, p.50.
Irrigation.
- 55201 PRICOP, G. Contribution to the study of the utilization of underground water for irrigation purposes in the R.P.R. (Rum) Probl. Agr. [Bucharest] 17(6):69-78. Ref. June 1965. 21 R862
- 55202 PROKHOROV, N., and GLAZKOV, A. Problems of irrigated agriculture in Azerbaydzhan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 90:6-9. Aug.12,1965. (JPRS 31,532; TT 65-32028; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', July 29, 1965:2.

- 55203 RAGAN, R. M. Laboratory evaluation of hydrodynamic theory. Amer. Soc. Agr. Eng. Pap. 208,27 p. 1965. 290.9 Am32P
Estimation of flow in channels of a watershed.
- 55204 RAHEJA, P. C. The Central Arid Zone Research Institute, Jodhpur. Bharat Krishak Samaj. Year Book 1964:539-551. 22 B46
Reclamation and vegetation of desert areas in India.
- 55205 RAMADORO, A. Problems of infrastructure. (Fr) *Mediterranea* 9:35-44. Jan./Mar.1966. 281.8 M462
English summary.
Chiefly irrigation of fruits and vegetables.
- 55206 REMSON, I., RESNICOFF, M., and SCOTT, B. B. Numerical studies of drainage of unsaturated soils. Amer. Soc. Agr. Eng. Pap. 733,12 p. 1965. 290.9 Am32P
- 55207 SANDU, G., and others. Reclamation of alkali soils from the experimental centre Socodor through amendment and fertilizer application. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:283-300. Ref. 1964,pub. 1965. 21 R86A
I. Colibasi, I. Vlas, and M. Colibasi, joint authors.
English summary.
- 55208 SANDU, G., RUDZIC, N., and SAVU, I. Research on the influence of mineralized waters used for irrigation purposes on the saline soils of the Calmatui flood-plain. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An.* 32:315-337. Ref. 1964,pub.1965. 21 R86A
English summary.
- 55209 SCHOENEMANN, J. A. Vegetable oasis. Amer. Veg. Grower 14(4):13-14. Apr.1966. 80 C733
Irrigation in Wisconsin.
- 55210 SCHULTE-KARRING, H. Structurally sick soils require more effective reclamation! (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(14):590,592,594, 596. Apr.7,1966. 18 N39
Subsoil drainage and fertilization.
- 55211 SHEARER, M. N., and KING, A. S. Trends and anticipated changes in water-use practices for irrigation in the Willamette Valley. Oreg. State Univ. Ext. Spec. Rep. 197,69 p. Ref. Nov.1965. 100 Or3M
- 55212 SHIRAI, K. An analysis on the surface irrigation. (Ja) *Mie Univ. Fac. Agr. Bull.* 32:11-24. Sept.1965. 107.6 T78
English summary.
- 55213 SHULENIN, M. Water comes to the Donskaya steppe. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:17-21. Aug.3,1965. (JPRS 31,394; TT 65-31891; CSO 1840-N) 173 J663Tso
Translation from *Sel'skoe Stroitel'stvo* 6:6-7. 1965.
- 55214 SIEBEN, W. H. The effect of drainage conditions of the soil on nitrogen supply and yield. (Du) *Landbouwkundig Tijdschr.* 76(20):784-802. Nov.1964. 105.2 Or3
English summary.
- 55215 SIRBU, E., and CAZACU, E. New methods for water direction in the irrigation works. (Rum) *Probl. Agr. [Bucharest]* 17(6):99-103. June 1965. 21 R862
- 55216 SLUIS, P. M. VAN DER. Lay-out drainage systems in irrigated areas. (Du) *Landbouwkundig Tijdschr.* 76(20):888-899,map. Nov.1964. 105.2 Or3
English summary.
- 55217 SMERDON, E. T. Agricultural engineering in water resources. Amer. Soc. Agr. Eng. Pap. 585,10 p. 1965. 290.9 Am32P
Water supply research needs.
- 55218 STENE, J. Semiautomatic watering on shelves. (No) *Gartneryrket* 56(7):130. Feb.11,1966. 80 G1938
In greenhouses.
- 55219 STENE, J. Semiautomatic watering simplifies production of seedlings. (No) *Gartneryrket* 56(13):284. Mar.25,1966. 80 G1938
Ornamentals.
- 55220 STUCKY, H. R. Planning and development of water resources in the Great Plains—with special emphasis on alternate uses. Great Plains Agr. Coun. Proc. 1965:21-33. 282.9 G7992
Water supply policies.
- 55221 STURIALE, C. Supply and costs of irrigation water in the Southern Ionian lemon culture of Messina. (It) *Tec. Agr.* 16(3/4):150-184,map. (Cont.) May/Aug.1964. 16 T22
- 55222 TAKAHASHI, K. Studies on the factors affecting the compressive strength and Young's modulus of concrete of small sections for irrigation constructions. (Ja) *Iwate Univ. Fac. Agr. J.* 7(1):19-146. Ref. Dec.1964. 107.6 Iw93
English summary.
- 55223 TASKY, J. The effect of irrigation on the economic effectiveness of sugar beets production. (Cz) *Pol'nohospodarstvo* 12(2):138-145. Ref. 1966. 19.5 P752
English summary.
- 55224 THIELE, H. Cleaning of drainage pipes by simple means. (Ge) *Lohnunternehmen Land-Forstwirtschaft.* 21(4):102,104. Apr.15,1966. 58.8 D81
- 55225 TOUSSAINT, C. G. The effect of sprinkling irrigation on growth and yield of strawberries on a high sandy soil. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(9):423-426. Ref. Sept.1965. 86 N384
English summary, p.473.
- 55226 UPPAL, H. L., and SEHGAL, S. R. Theory and physics of seepage losses from unlined channels. *Nat. Inst. Sci. India. Proc.* 31(1,pt.A):1-10. Ref. Jan.1965. 513 N212
- 55227 VAIGNEUR, H. O. Water table frequencies of tile-drained land based on moisture balance. *Diss. Abs.* 26(9):5318. Mar.1966. 241.8 M58
- 55228 VISSER, W. C. The assessment of type and area of the practices for improving the water management in areas with an undulating surface. (Du) *Landbouwkundig Tijdschr.* 76(20):803-836. Nov.1964. 105.2 Or3
English summary.
Drainage and irrigation.
- 55229 VITO, L. DE. Projected directions and realizations of the Lower Rhone and Languedoc irrigation system. (It) *Acqua Agr. Ig. Indus.* 43(3):73-85,map. Ref. May/June 1965. 290.8 Ac7
- 55230 VNUCHKOV, V., and PYATIGORSKIY, A. Prospects of water-management construction in cotton-growing republics. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 114:1-7. Feb.10,1966. (JPRS 34,090; TT 66-30532; CSO 1840-D/PE-195) 173 J663Tso
Translation from *Stroitel'stvo i Arkhitektura Uzbekistana* 7:1-3. 1965.
- 55231 VOLCHKOVA, V. V. On the problem of automation of irrigation systems. 13 p. Transl. 14999
Translation from *Akademiya Nauk Kirgizskoi SSR. Izvestiya. Seriya Estestvennykh i Tekhnicheskikh Nauk* 4(8):117-124. 1962.
- 55232 WALLIS, J. R. WALLY, a large principal components regression program with varimax rotation of the factor weight matrix. U. S. Forest Serv. Res. Note PSW-92,6 p. 1965. A99.9 F7652
Computer program in hydrology research.
- 55233 WARD, P. E., HOFFARD, S. H., and DAVIS, D. A. Hydrology of Guam. U. S. Geol. Surv. Prof. Pap. 403-H,28 p.,map. Ref. 1965. 407 G29Pr
Includes runoff characteristics.
- 55234 WASSMUTH, R. H., WOLFE, J. W., and BOERSMA, L. Vertical unsteady flow to drains described by the diffusion equation. Amer. Soc. Agr. Eng. Pap. 722,10 p. 1965. 290.9 Am32P

- 55235 WESSELING, J. Review of methods used in the hydrological analysis of an agricultural area. (Du) Landbouwkundig Tijdschr. 76(20):827-841, map. Ref. Nov.1964. 105.2 Or3
English summary.
Drainage.
- 55236 WILL, H. Influence of irrigation on yield and quality of vegetables. (Ge) Mitt. Deut. Landwirt.-Ges. 81(8):284,286,288,290. Feb.24,1966. 18 N39
- 55237 WILMOTH, B. M. Natural equilibrium in ground-water storage reestablished at Charleston, West Virginia. W. Va. Acad. Sci. Proc. 37:167-173, map. 1965, pub.1966. 500 W52
- 55238 WILSON, T. T., and KIRDAR, E. Irrigation flows and the electronic computer. Agr. Eng. 1(3):136-137. Mar.1966. 58.8 Ag83
Computer analysis of water deliveries from a lateral in designing irrigation system in Arizona.
- 55239 WISER, E. H. Stochastic models in hydrology. Amer. Soc. Agr. Eng. Pap. 595,33 p. Ref. 1965. 290.9 Am32P
- 55240 WOOD, D. More water. (It) Riviera Fiori 19(4):4-6. Apr.1965. 287 R52
Irrigation included.
- 55241 WOODBURY, H. G. The cooperative approach to regional planning. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting:10-12. 1965. 292.9 C712
U. S. Corps of Engineers cooperating in development of water resources of Colorado River.
- 55242 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON WATER POLLUTION CONTROL. Report. World Health Organ. Tech. Rep. Ser. 318,32 p. 1966. 449.9 W892T
Includes irrigation.
- 55243 YOKOI, H. Studies on soil water of irrigated mineral soils. (Ja) Okitsu. Tokai-Kinki Nat. Agr. Exp. Sta. Bull. 12:1-26. Ref. Jan.1965. 87 Ok322
English summary.
- 55244 ZBROZHEK, T. Work at the Kayrakkumskoye Reservoir. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 95:3-5. Sept.14,1965. (JPRS 31, 985; TT 65-32479; CSO 1840-N) 173 J663Tso
Translation from Kommunist Tadzhiqistana Aug.10,1965:1.
- 55245 ZHAROVA, K. Furrow irrigation technique in Kirgiziya praised. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 229:4-7. Sept.16,1965. (JPRS 32,024; TT 65-32518; CSO 1830-D) 173 J663Tsi
Translation from Sovetskaya Kirgiziya, Aug.4,1965:1.
- 55246 ZOLOTAREV, I. Irrigation works in Kuban'. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 88:13-16. Aug.3,1965. (JPRS 31,394; TT 65-31891; CSO 1840-N) 173 J663Tso
Translation from Sel'skoye Stroitel'stvo 6:4-5. 1965.
- Erosion and Erosion Control**
- 55247 ALIFANOVA, T. I. Plantings for control of wind erosion. (Rus) Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965: 11-16. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 10:28. Oct.1965. Film S-203
- 55248 BARTELS, H. How to establish a Rhodes grass [Chloris gayana] waterway. Queensland Agr. J. 92(1):22-26. Jan.1966. 23 Q33
- 55249 BASU, J. K. Our national programme of soil conservation. Bharat Krishak Samaj. Year Book 1964:235-253. Ref. 22 B46
- 55250 BUBENZER, G. D., MEYER, L. D., and MONKE, E. J. Effect of particle roughness on soil erosion by surface runoff. Amer. Soc. Agr. Eng. Pap. 227,16 p. 1965. 290.9 Am32P
- 55251 BUCHTA, H. G., BROBERG, D. E., and LIGGETT, F. E. Conservation practices in Nebraska for more efficient utilization and distribution of water. 1. Flat channel terraces for erosion control and water conservation. Amer. Soc. Agr. Eng. Pap. 231,9 p. 1965. 290.9 Am32P
- 55252 CATONI-MARTIN, P. Soil and water conservation in the Caribbean area. Amer. Soc. Agr. Eng. Pap. 706,6 p. 1965. 290.9 Am32P
- 55253 CHECA ESPANA, J. Slipping and cracking in the Tenza Valley. (Sp) Agr. Trop. 21(7):365-369. July 1965. 26 Ag8
Landslides.
- 55254 CORBETT, E. S., and GREEN, L. R. Emergency revegetation to rehabilitate burned watersheds in southern California. U. S. Forest Serv. Res. Paper PSW-22,14 p. Ref. 1965. A99.9 F7652P
Revegetation measures tested for emergency erosion control after fire.
- 55255 HILL, R. G. Wind erosion control on upland soils. Mich. State Univ. Ext. Ext. Bull. 525, 6 p.-folder. Jan.1966. 275.29 M58B
Chiefly control by planting.
- 55256 HOVLAND, D., WESLEY, D. E., and THOMAS, J. Establishing vegetative cover to protect roadside soils in South Dakota. S. Dak. Agr. Exp. Sta. Bull. 527,31 p. Ref. Feb.1966. 100 So82
South Dakota Department of Highways, and U. S. Bureau of Public Roads, cooperating.
- 55257 JACOBSON, E. P. Developments in terrace systems. Amer. Soc. Agr. Eng. Pap. 233,7 p. 1965. 290.9 Am32P
Erosion control.
- 55258 JACOBSON, P. Terraces that almost build themselves. Crops Soils 18(6):12-13. Mar. 1966. 6 W55
Control of soil erosion.
- 55259 JOHNSON, P. R. Grasses for exposed subsoils in East Texas. Tex. Agr. Exp. Sta. Progr. Rpt. PR-2406,4 p. Feb.17,1966. 100 T31P
- 55260 KOLUVEK, P. K. Rodent barrier for erosion control of irrigated lands. Amer. Soc. Agr. Eng. Pap. 705,5 p. 1965. 290.9 Am32P
- 55261 LUCA, A., and others. Some results on runoff and erosion in the Birlad plateau. (Rum) Bucharest. Inst. Cent. Cercet. Agr.Sect. Pedol. An. 32:397-413. 1964, pub.1965. 21 R86A
A. Popa, G. Popa, and G. Stoian, joint authors.
English summary.
- 55262 MARTINI, Z. Investigation of soil displacement caused by plowing on slopes. 20 p. (OTS 61-11341) Transl. 15991
Translation from Roczniki Nauk Rolniczych 66(2):97-123. 1953.
CFSTI: \$.50.
- 55263 MIHA, G. G., and IONESCU, V. Technical scientific meeting concerning the management of sloped fields and soil erosion control. (Rum) Probl. Agr. [Bucharest] 17(6):107-109. June 1965. 21 R862
- 55264 MIHAI, G., and VOICULESCU, C. Some aspects of the application of various methods of the soil erosion control on sloping lands of the Dobruja region. (Rum) Probl. Agr. [Bucharest] 17(7):78-81. July 1965. 21 R862
- 55265 MORGUN, F. Anti-wind erosion campaign in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:19-24. Oct.22,1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Kazakhstanskaya Pravda Aug.27,1965:2.
- 55266 RUSU, E. Control of soil erosion by the culture of the sainfoin. (Rum) Probl. Agr. [Bucharest] 17(8):64-66. Aug.1965. 21 R862
- 55267 SALGADO PEREZ, F. Soil: life of peoples and international preoccupation. (Sp) Panagra 2(29):32-33. Jan.1,1964. 8 P196
Conservation.

- 55268 TURNER, A. J. Ranch roads. Cattleman 52 (10):40,60. Mar.1966. 49 C29
Roadside erosion.
- 55269 WORLEY, L. D., and DOMINY, P. F. Design and construction techniques for parallel terraces in Georgia. Amer. Soc. Agr. Eng. Pap. 235,6 p. 1965. 290.9 Am32P
- 55270 YÄRDUKHIN, V., and FOMENKO, V. Erosion destroys the fields of Chuvashiya. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 101:6-9. Oct.26,1965. (JPRS 32,545; TT 65-33024; CSO 1840-N) 173 J663Tso
Translation from Sovetskaya Rossiya, Sept.17, 1965:2.

Sanitation

- 55271 HARRIS, C. I. Hydroxysimazine in soil. Weeds Res. 5(3):275-276. Sept.1965. 79.8 W412
Degradation product of simazine.
- 55272 KÖLESNIKOV, V. A. Distribution of herbicides in soil profile depending on methods of application and amount of precipitation. (Rus) Khim. Sel'skom Khoz. 3(12):44-47. Ref. Dec.1965. 385 K524
- 55273 VREDEVELD, N. G. Selective action of pentachloronitrobenzene on soil fungi. Diss. Abs. 26(8):4165. Feb.1966. 241.8 M58
Tests on Rhizoctonia solani and Pythium ultimum.
- 55274 WINSOR, G. W. Some glasshouse practices. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:326-331. Ref. 1964. 382 M31R
Literature review on soil sterilization and enrichment of air with carbon dioxide.

MATERIALS FOR SOIL IMPROVEMENT

Chemical Fertilizers

- 55275 BABA, A. Studies on relation between composition of fused magnesium phosphate glass and its nutrient value. (Ja) Niigata. Univ. Fac. Agr. Mem. 2:33-92. Ref. Mar.1962. 107.6 N5722
English summary.
- 55276 BÄBKOV, I. Vital problems in the chemicalization of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 101:10-16. Oct.26, 1965. (JPRS 32,545; TT 65-33024; CSO 1830-N) 173 J663Tso
Fertilizers.
Translation from Ekonomika i Zhizn' 7:8-11. July 1965.
- 55277 BÜRG, P. F. J. VAN. Water solubility and grain size of phosphate fertilizers. (Du) Landbouwkundig Tijdschr. 77(21):788-798. Dec.1965. 105.2 Or3

Fertilizer Technology and Statistics

- 55278 ALLAN, T. Fertilisers; the great leap forward. Agr. Merchant 46(1):43-44,46. Jan. 1966. 10 Ag89
Great Britain.
- 55279 BALINT, S. Achievements of the chemical industry in 1965 and its targets for 1966. (Hu) Magyar Kem. Lapja 21(2):65-69. Feb.1966. 385 M27
English summary.
Includes fertilizer industry.
- 55280 BATYATA, V. I., and MOL'DERF, T. D. Economic efficiency of fertilization systems in field crop rotations. 4 p. Transl. 14096
Translation from Vestnik Sel'skokhozyaistvennoi Nauki [Moscow] 9(4):12-14. 1964.
- 55281 BURLINGHAM, R. G. The third man in West Germany's fertiliser industry. Agr. Merchant 45(9):47,49. Sept.1965. 10 Ag89
Chiefly fertilizer marketing.

- 55282 CANADA, BUR. OF STATISTICS. Manufacturers of mixed fertilizers, 1963. Ottawa, 1966. 18 p. (Annual Census of Manufactures) 253 C335Man
- 55283 DOUGLAS, J. R., and HARGETT, N. L. 1965 fertilizer consumption; review. Fert. Solutions 10(2):30-31,34-35,37-38,map. Mar./Apr.1966. 57.8 So4
- 55284 EAST COAST FARMERS' FERTILISER CO. Fertiliser manufacture. New Zeal. Stand. Bull. 11(4):25-27. Dec.1965. 309.8 N48
- 55285 ENGEL, R. Bulk handling and spreading of liquid fertilizer. Amer. Soc. Agr. Eng. Pap. 603,4 p. 1965. 290.9 Am32P
- 55286 FERTILISER MANUFACTURERS ASSOCIATION. Fertiliser statistics 1965. London, 1966. 23 p. 286.84 F41
- 55287 GÖRODOV, V. Optimal plan of shipments of mineral fertilizers in the Ukrainian SSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 262:15-20. Mar.11,1966. (JPRS 34,510; TT 66-30950; CSO 1830-D/PE-253) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaystva 12:47-50. Dec.1965.
- 55288 HARAMA, S., and others. On the less soluble potassium salts in high grade compound fertilizers. (Ja) J. Sci. Soil Manure 36(10):304-310. Oct.1965. 56.8 J27
Y. Fukushima, H. Ando, and T. Kono, joint authors.
- 55289 HEDEGAARD, J. Use of fertilizers in USA. (Da) Tidsskr. Landokon. 1:37-53,map. Jan. 1966. 11 T43
- 55290 MULIC, J., and SARIC, O. Economics of fertilizers for natural pastures. (Se) Poljoprivredni Pregl. 14(3/4):91-103. Ref. Mar./Apr. 1965. 21.5 P753
- 55291 NEBRASKA, DEPT. OF AGRICULTURE AND ECONOMIC DEVELOPMENT. Report of commercial fertilizers and economic poisons, January 1, 1965-June 30, 1965. Lincoln, 1965. 94 p. 57.9 N27
- 55292 A NEBRASKA panel speaks up: steps for improvement to meet farmers' needs, streamline handling methods, and step up marketing techniques are covered. Feed Farm Supplier 40(4):84-86. Apr.1966. 47.8 H28
Members: R. Cloud, G. Piester, and D. Bergman.
Fertilizer business.
- 55293 NEW ZEALAND, DEPT. OF AGRICULTURE. BIOMETRICS SECT. Statistical review of fertilisers in New Zealand 1964-65. Wellington, 1965. 25 p. 271.2 Ag83
- 55294 ORMAI, MRS. L., and OROSZ, L. Development of the chemical industry (1960-1964). (Hu) Statist. Szemle 44(2):158-175. Feb.1966. 266.5 St2M
English summary.
Includes fertilizer and economic poison industry.
- 55295 POSTNIKOV, A. V. Some data on economic effectiveness in application of nitrophoska. (Rus) Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 99:197-208. 1964. 20 M857
- 55296 POUNDSTONE, B., and HUFFMAN, W. J. Commercial fertilizers in Kentucky, 1965, including a report on official fertilizer samples analyzed July-December, 1965. Ky. Agr. Exp. Sta. Regulat. Bull. 189,23 p. Mar.1966. 100 K41
- 55297 SANDERS, A. Inaccurate scales cost you money! Agrichem. West 9(4):10. Apr.1966. 381 Ag85
Fertilizer weighing.
- 55298 SHERRIFF, F. C. The case for gas liquor. Farm Gard. Contract. 5(2):6-7. Feb.1966. 58.8 F227
Fertilizer.

- 55299 SZANTO, A. The processing of ammonia. (Hu) Magyar Kem. Lapja 21(2):83-91. Ref. Feb. 1966. 385 M27
English summary.
Fertilizers.
- 55300 THIRKILL, J. D. A new system of liquid fertilizer storage. Farm Gard. Contract. 5(2):3. Feb. 1966. 58.8 F227
- 55301 THOMAS, R. P. What are suspension, slurry fertilizers? Fert. Solutions 10(2):66-69, 71. Mar./Apr. 1966. 57.8 So4
- 55302 ULLERY, J. More profit with fertilized forage. Fert. Solutions 10(2):14-15, 17-18, 20. Mar./Apr. 1966. 57.8 So4
Ohio.
- 55303 U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. CROP REPORTING BOARD. Consumption of commercial fertilizers and primary plant nutrients in the U.S. year ended June 30, 1964. Com. Fert. Plant Food Indus. 112(4):21-24, 30-35, 38, 40-42. Apr. 1966. 57.8 C73
- 55304 WALKER, R. P., and GRIEBELER, W. L. Handling solid fertilizers in bulk. Amer. Soc. Agr. Eng. Pap. 601, 8 p., map. 1965. 290.9 Am32P
- 55305 ZIENERT, J., and KOLOC, M. Simple fertilizer mixing project. (Cz) Agrochimia [Bratislava] 5(6):164-167. 1965. 385 Ag88
English summary.
Home mixing.

Manures and Composts

- 55306 ISHIMARU, K., OYAMA, G., and WATANABE, I. Utilization of high polymer to chemical treatment of night soil. I. A study of high polymer, Separan AP30. (Ja) J. Agr. Sci. [Setagaya] 10(3):75-80. Dec. 1964. 22.5 J824
English summary.
- 55307 RICHARD. Has agriculture an interest or not in producing manures with livestock? (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(17):1147-1149. Dec. 1, 1965. 14 P215Bc
Relative advantages of manures and mineral fertilizing.
- 55308 TALATI, R. P. Improvement of local manures in western India. Indian J. Agr. Sci. 35(2):134-140. June 1965. 22 Ag831

FORESTRY

GENERAL

- 55309 ALDRICH, D. G. The role of scientific research in planning for resource development and use. In California. University. School of Forestry. Forestry in science and society, p.1-5. 1965. 99.9 C1272
- 55310 BABCOCK, H. M., MARSHALL, J. E., and STEWART, J. V. C.I.F. [Canadian Institute of Forestry] salary survey 1965. Forest. Chron. 42(1):108-117. Mar.1966. 99.8 F7623
Of graduate foresters.
- 55311 BRIEGLEB, P. A. The forester in a science-oriented society. In California. University. School of Forestry. Forestry in science and society, p.21-25. 1965. 99.9 C1272
- 55312 CALIFORNIA. UNIVERSITY. SCHOOL OF FORESTRY. Forestry in science and society, a program celebrating the fiftieth anniversary of professional forestry instruction at the University of California, Berkeley, December 4 and 5, 1964. Berkeley, Calif. 1965. 66 p. 99.9 C1272
California Alumni Foresters. Papers presented.
- 55313 CASSEL, E. Land of contrasts—South Africa. (Sw) Skogen [Stockholm] 52(17):332-333,339. Sept.2,1965. 99.8 Sk51
Forestry and forest industries.
- 55314 EHLY, A. E. Forest work programs. Wis. Conserv. Bull. 30(3):6-7. May/June 1965. 279.8 W752
- 55315 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NEAR EAST FORESTRY COMMISSION. Report of the 4th session, held in Beirut, Lebanon, June 15-22, 1964. Rome, 1964. 54 p. 99.9 F738
- 55316 GÁLLAGHER, L. U. Is our approach to forestry research adequate? Irish Forest. 22(2): 92-109. Ref. Autumn 1965. 99.8 Ir4
- 55317 GEORGIEV, G. Characteristics of factors influencing labor productivity. (Bu) Gorsko Stopanstvo 20(10):32-35. Oct.1964. 99.8 G682
- 55318 GILES, W. L. The business is there! go get it! Aerial Appl. 4(3):10. Mar.1966. 333.8 Ae8
Aircraft used in forestry for all applications.
- 55319 GOODWIN, J. L. History of Great Pond Forest. Conn. Woodlands 31(1):6-7. Jan./Feb.1966. 99.8 C76
- 55320 HARPER, V. L. The new forestry. In California. University. School of Forestry. Forestry in science and society, p.38-42. 99.9 C1272
- 55321 HOLCOMB, C. J., and MCELFFRESH, W. A. Forestry in Virginia. Va. Polytech. Inst. Ext. Bull. 223,rev.,31 p. Dec.1965. 275.29 V81B
- 55322 IVANOV, T. A short historical review of Bulgarian forestry periodicals. (Bu) Gorsko Stopanstvo 20(10):39-42. Oct.1964. 99.8 G682
- 55323 KARPACHEVSKY, L. O., and METEL'TSEVA, E. P. A contribution to the history of coniferous forests in Kamchatka. (Rus) Bot. Zhur. [Moscow] 51(1):119-124. Ref. 1965. 451 R923
- 55324 LAWRIE, J. J. Evelyn's Sylva. Sylva [Edinburgh] 46:12-14. 1965/66. 99.8 Sy53
John Evelyn and his book.
- 55325 MCLINTOCK, T. F. Projected timber trends in the United States. Amer. Pulpwood Ass. Tech. Pap., July 1965:11-14. 99.9 Am33Te
- 55326 MOSER, L. A visit to Les Landes of Gascony. (It) Cronache Econ. 277:52-60. Jan.1966. 280.8 C882
Forestry.
- 55327 MUSHAT, I., and NIKITIN, P. L. Forestry in Rumania. (Rus) Les. Khoz. 10:82-85. Oct. 1965. 99.8 L5622
- 55328 NOZICKA, J. History research of our forests and its further tasks. Commun. Inst. Forest. Cech. 4:271-281. 1965. 99.9 P884
Includes list of historical publications.
- 55329 PAGAC, M. Development of forestry and game management bibliographies in our country. Commun. Inst. Forest. Cech. 4:263-269. Ref. 1965. 99.9 P884
- 55330 PRAVDIN, A. M. Single scheme of forest economic regionalization of Sakhalin Region. (Rus) Les. Khoz. 10:71-73, map. Oct.1965. 99.8 L5622
- 55331 RICHARDSON, S. D. Forestry in Communist China. Baltimore, Johns Hopkins Press, 1966. 237 p., map. SD221.R5
Bibliography, p.211-219.
- 55332 RUMSEY, F. Directory of workers in the economics of forestry. J. Forest. 64(4):283-304. Apr.1966. 99.8 F768
- 55333 SALMI, M. Art, landscape, forest. (It) Ital. Forest. Mont. 20(6):237-254. Nov./Dec.1965. 99.8 It12
French summary.
- 55334 SCHONAUER, G. Forestry in Great Britain. (Ge) Allg. Forstzeitung 77(2):27-29. Feb. 1966. 99.8 AL53
- 55335 SKRAMO, G. The orthophotograph. (No) Tidskr. Skogbruk 73(3):316-329. 1965. 99.8 T432
Use in forest mapping.
- 55336 SMITH, J. H. G. Report to the national government of the Republic of China on forests and forest industries in Taiwan. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1854,60 p. 1964. 281.9 F733E
- 55337 SYMPOSIUM on the social approach to forestry. In California. University. School of Forestry. Forestry in science and society, p.56-61. 1965. 99.9 C1272
Moderator: E. W. Wohletz; panel members H. R. Josephson, E. V. Zumwalt, and C. H. Stoltenberg.
Abstracts of panelists' comments.
- 55338 TSYMEK, A. A. Forestry in mountain areas of the Far East. (Rus) Tiflis. Institut Lesa. Trudy 14:64-76. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved, Lesovod. 12:18. Dec.1965. Film S-203
- 55339 VAUX, H. J. The professional forester in science and society. In California. University. School of Forestry. Forestry in science and society, p.43-49. 1965. 99.9 C1272
- 55340 VICTORIA. FORESTS COMMISSION. DIV OF FORESTRY EDUCATION AND RESEARCH. Divisional research report. Victoria. Forest. Comm. Forest. Res. 6,16 p. July 1965. 99.9 V662
- 55341 WEETMAN, G. F. Problems in research communication. Forest. Chron. 42(1):51-58. Mar.1966. 99.8 F7623
Forestry.
- 55342 WORLEY, D. P., MUNDELL, G. L., and WILLIAMSON, R. M. Gross job time studies, an efficient method for analyzing forestry costs. U. S. Forest Serv. Res. Note RM-54,8 p. Sept. 1965. A99.9 F7632Us
- 55343 WRIGHT, W. J. American forestry and forest management—an introduction. Irish Forest. 22(2):58-67. Autumn 1965. 99.8 Ir4
Chiefly in the Pacific Northwest and Lake States.
- 55344 ZIVNUSKA, J. A. The social approach to forestry. In California. University. School of Forestry. Forestry in science and society, p.26-32. 1965. 99.9 C1272

Education

- 55345 DALLAS, W. G. The philosophy of American forestry education. Irish Forest. 22(2):68-91. Ref. Autumn 1965. 99.8 Ir4
- 55346 DAVIS, K. P. Forestry education and research—the national situation. J. Forest. 64(4): 244-245. Apr.1966. 99.8 F768

- 55347 HURST, W. D. The Forest Service's role in the Job Corps program. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting:13-16. 1965. 292.9 C712
- 55348 JACOBS, M. R. Forestry training at University level in Australia. Commonwealth Forest. Rev. 45(1):27-32. Mar.1966. 99.8 Em72
- 55349 KERR, C. H. Pomeroy Forestry School. Irish Forest. 22(2):54-57. Autumn 1965. 99.8 Ir4
Under the Ministry of Agriculture, Forestry Div.
- 55350 SCHREUDER, E. J. Some basic aspects of forest education in Central America. (Sp) Dasonomia Interamer. 1:29-34. Mar.1965. 99.8 D264
English summary.
- 55351 TANTINI, L. The forestry structure course at the faculty of Agriculture and Forestry in Florence. (It) Ital. Forest. Mont. 20(6):268-270. Nov./Dec.1965. 99.8 It12
French summary.
Istituto di Costruzioni Forestali e Topografia of the Università di Firenze.

Policies, Programs, Administration

- 55352 BALASSA, G. Tenth anniversary of the Main Directorate of National Forestry [Országos Erdészeti Főigazgatóság]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 327:10-23. Dec.24,1964. (JPRS 27, 987; CSO 2900-D) 173 J663Ste
Policies in Hungary.
Translation from Erdogazdaság és Faipar 10: 1-8. Oct.1964.
- 55353 HEDLUND, H. FAO and forestry. (Sw) Skogen [Stockholm] 52(17):326-328. Sept.2,1965. 99.8 Sk51
- 55354 HOWARD, E. W. A critical study of the public speaking of Forest Service administrators. Diss. Abs. 26(8):4885. Feb.1966. 241.8 M58
- 55355 JEN, Y. S. The forestry operation village is an ideal form of organization in building new socialist forestry regions. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 12:57-63. Feb.25,1966. (JPRS 34,301; TT 66-30742; CSO 13115-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 12:28-31. Dec.20,1965.
Issued by CFSTI.
- 55356 JORGENSEN, F. Quantitative aid in forestry policy. (Sw) Svenska Skogsvårdsforen. Tidskr. 63(4):389-402. 1965. 99.8 Sk5
- 55357 MAINE, FOREST SERV. Thirty-fifth biennial report of the Forest Commissioner, Austin H. Wilkins, 1963-1964. Augusta, 1965. 111 p., map. 99.9 M28R
- 55358 PIZZIGALLO, V. Current trends in Italian forestry policy. (It) Romagna Agr. Zootec. 50(5):159-161. (Cont.) May 1965. 16 R66
- 55359 PIZZIGALLO, V. Present trends in Italian forest policy. (It) Romagna Agr. Zootec. 50(6):183-187. (Concl.) June 1965. 16 R66
- 55360 RANDALL, C. E. A story of young Americans; you can be a conservationist. Amer. Forests 72(4):17-27. Apr.1966. 99.8 F762
Forest and natural resources.
- 55361 SOUTH CAROLINA. STATE COMMISSION OF FORESTRY. Report for the year July 1, 1964 to June 30, 1965. Columbia, 1965. 86 p.,map. 99.9 So83
- 55362 SUDER, M. Tasks of forestry during the 1966-1970 period. (Rum) Probl. Econ. [Bucharest] 19(1):64-76. Jan.1966. 280.8 P947
English summary, p.170.
- 55363 TASMANIA. FORESTRY COMMISSION. Report for the year ended 30th June, 1965. Tasmania, 1966. 21 p. 99.9 T182
- 55364 VICTORIA. FORESTS COMMISSION. Forty-sixth annual report, financial year 1964-65. Melbourne, 1965. 42 p.,map. 99.9 V66

Legislation and Taxation

- 55365 FISCHER, P. The objectives of Appalachia Program affecting woods workers. Amer. Pulpwood Ass. Tech. Pap., July 1965:18-20. 99.9 Am33Te
Appalachian Regional Development Act of 1965 and some of its forestry aspects.
- 55366 LANGSAETER, A. New act on forest production and forest protection. (No) Norsk Skog-indus. 20(2):59-61. Feb.1966. 99.82 N81
- 55367 LÖVESTEAD, H. S. Observations on taxation and assessments of forest lands in the Lake States. Amer. Pulpwood Ass. Tech. Pap., Jan. 1965:21-22. 99.9 Am33Te
- 55368 MILLER, W. W. How Florida's tax laws relate to forest lands. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:14-16. 99.9 Am33Te
- 55369 NORDQUIST, M. Some explanatory views on the taxation of electric line strips and electric lines. (Sw) Svenska Skogsvårdsforen. Tidskr. 63(2):221-229. 1965. 99.8 Sk5
- 55370 WADSWORTH, J. B. Georgia's tax policies and the forest industry. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:12-14. 99.9 Am33Te

Forest Description and Resources

- 55371 ESSEX, B. L., and GANSNER, D. A. Illinois' timber resource. U. S. Forest Serv. Resource Bull. LS-3, 56 p.,map. Dec.1965. A99.9 F7624Un
- 55372 HAZARD, J. W. Timber resource statistics for southwest Washington. U. S. Forest Serv. Resource Bull. PNW-15, 32 p.,map. 1965. A99.9 F7625Un
- 55373 ITALY. ISTITUTO CENTRALE DI STATISTICA. Annuario di statistica forestale [Forest statistics annual]. Vol. XVI, 1964. Roma, 1965. 147 p. 261 It15St
- 55374 LANGDALE-BROWN, I. Aerial photographs and resource surveys. Sylva [Edinburgh] 46:6-9. 1965/66. 99.8 Sy53
- 55375 SPAIN. MINISTERIO DE AGRICULTURA. Estadística forestal de España, año 1964 [Forestry statistics of Spain, 1964]. Madrid, 1966. 104 p. 263 M76
- 55376 TURDIEV, S. YU. Persian walnut in foothill forests of the Ketmen Range (Kazakh SSR). (Rus) Rastitel'nye Resursy 1(2):269-271. 1965. 450 R18
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:10. Nov.1965.
Film S-203

FOREST MANAGEMENT AND FINANCE

- 55377 BABEU, R. G., and others. Forest owner characteristics and attitudes in Berkshire County, Massachusetts. Mass. Agr. Exp. Sta. Bull. 549, 55 p. Nov.1965. 100 M38H
A. D. Rhodes, W. P. MacConnell, and J. H. Foster, joint authors.
- 55378 BOCHKAREV, M. M. Unsolved problems of management of Siberian pine forests. (Rus) Les. Khoz. 10:22-26. Oct.1965. 99.8 L5622
- 55379 CHODRISHVILI, I. I. Utilization and management of mountain forests of Georgian SSR. (Rus) Tiflis. Institut Lesa. Trudy 14:53-60. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:2. Nov.1965.
Film S-203
- 55380 DIETERICH, V. Forestry coordination necessity. (Ge) Forstwiss. Centralbl. 85(1/2):17-26. Jan./Feb.1966. 99.8 F775
Management.

- 55381 GULISASHVILI, V. Z. Efficient utilization and management of mountain forests of USSR. (Rus) Tiflis. Institut Lesa. Trudy 14:10-28. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:1-2. Nov.1965. Film S-203
- 55382 HILDEBRANDT, G. Planning of forest management and the current increment. (Ge) Forst-Holzwirt 21(3):56-58. Ref. Feb.8,1966. 99.8 F7724
- 55383 HOOL, J. N. A dynamic programming-Markov chain approach to forest production control. Diss. Abs. 26(3):1265. Sept.1965. 241.8 M58
- 55384 JOHNSTON, R. D. Aluminium climbing poles. Australian Forest Res. 1(4):45-48. 1965. 99.8 Au76
Various forestry applications.
- 55385 JORGENSEN, C. G. Equities in exchanging national forest lands. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:4,6. 99.9 Am33Te
- 55386 KOCHERGA, F. K. Ways of efficient utilization of mountain forests of Central Asia. (Rus) Tiflis. Institut Lesa. Trudy 14:106-112. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:2. Nov.1965. Film S-203
- 55387 KÖROBIEVSKII, L. A. Forest production, planning and cost accounting. (Rus) Les. Khoz. 10:64-70. Oct.1965. 99.8 L5622
- 55388 LIEDTKE, S. D., and GUSTIN, W. E. Tractors for tree farming. Amer. Soc. Agr. Eng. Pap. 103,8 p. 1965. 290.9 Am32P
- 55389 LONNER, G. "Game theory"--sale of forest properties. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):215-220. 1965. 99.8 Sk5
- 55390 MALMBORG, G. VON. A method for economic operation planning in forestry. (Sw) Svenska Skogsvardsforen. Tidskr. 63(4):403-416. 1965. 99.8 Sk5
- 55391 METREVELI, P. A. Dark coniferous forests of Georgian SSR and their management. (Rus) Tiflis. Sel'skokhozyaistvennyi Institut Gruzii. Trudy 1964:63-64,165-174. 106 T44
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:18-19. Dec.1965. Film S-203
- 55392 OREGON STATE UNIVERSITY. FOREST RESEARCH LABORATORY. Biennial report, 1963-1964. Corvallis, 1965. 44 p. 99.9 Or364A
Includes work and list of publications in forest management and forest products research.
- 55393 PHELPS, W. S. Problems of exchanging state-owned forest lands. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:9-10. 99.9 Am33Te
- 55394 POTOCIC, Z. On the integration in forest production and forest industry. (Se) Sumarski List 89(9/10):438-446. Sept./Oct.1965. 99.8 Su6
- 55395 ROEBER, A. H. Procedures involved in assessment of forest lands in Wisconsin. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:19-20. 99.9 Am33Te
- 55396 SPILHAUG, R. Forest payments supersedes the silvicultural and the investment payments. (No) Norske Myrselsk. Medd. 63(5):143-144. Oct.1965. 11 N813
- 55397 SPIRIDONOV, B. S. Economic basis of complex utilization of natural resources of pine forests in taiga area. (Rus) In Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965:79-88. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:1. Nov.1965. Film S-203
- 55398 TAYLOR, C. C. Who is the small forest owner? Forest Farmer 25(6):8-9,14-19. Mar. 1966. 99.8 F7692
North Carolina.
- 55399 VINCENT, W. L. Methods of exchanging private forest lands. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:8-9. 99.9 Am33Te
- 55400 WOBST, A. Management valuation of the most important wood species. (Ge) Holz-Zentralbl. 92(41/42):709-710. Apr.6,1966. 99.81 H742
Economic aspects.
- 55401 WOLFF, G., and HETEBRUEG, H. Rationalization of estimation of present condition. (Ge) Sozialistische Forstwirtschaft. 16(1):5-7. Jan. 1966. 99.8 W143
English summary, inside back cover.
- 55402 ZACHARIAS, S. Cultivation experiments at Salzhausen. (Ge) Forst-Holzwirt 21(4):80-82, 84-86. Feb.23,1966. 99.8 F7724
Mechanized.

Farm Woodlands

- 55403 MENDEL, J. J. An evaluation of characteristics of small woodland owners and their relation to attitudes toward the adoption of timber management practices. Diss. Abs. 26(3):1265-1266. Sept.1965. 241.8 M58

Mensuration, Surveying, Photogrammetry

- 55404 BARRETT, J. P., and ALLEN, P. H. Angle-gauge sampling a small hardwood tract. Forest Sci. 12(1):83-89. Mar.1966. 99.8 F7632
- 55405 BARRON, J. Wood measurement concepts in Ontario. Forest. Chron. 42(1):23-28. Mar. 1966. 99.8 F7623
Includes pre-cut cruising.
- 55406 BASKERVILLE, G. L. Dry-matter production in immature balsam fir stands: roots, lesser vegetation, and total stand. Forest Sci. 12(1):49-53. Mar.1966. 99.8 F7632
- 55407 COLLINS, A. B. Topwood volume tables for old-field slash pine plantations. U. S. Forest Serv. Res. Note SE-51,3 p. Nov.1965. A99.9 F7623Un
- 55408 COLWELL, R. N. Remote sensing of man's environment. In California. University. School of Forestry. Forestry in science and society, p.14-20. 1965. 99.9 C1272
Chiefly on photogrammetry and aerial photos.
- 55409 CURTIS, R. O. A study of gross yield in Douglas fir [Pseudotsuga menziesii]. Diss. Abs. 26(8):4146. Feb.1966. 241.8 M58
- 55410 DAHMS, W. G. Relationship of lodgepole pine volume increment to crown competition factor, basal area, and site index. Forest Sci. 12(1):74-82. Ref. Mar.1966. 99.8 F7632
- 55411 ERIKSSON, H. On the relation between height increment and various tree characteristics of Scots pine and Norway spruce. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):197-198. 1965. 99.8 Sk5
- 55412 ERTEL, W. Systematics for the yield table problem. (Ge) Allg. Forst- Jagdzeitung 137 (3/4):68-72. Ref. Mar./Apr.1966. 99.8 AL3
Review of literature.
- 55413 FALALEEV, E. N., and GOLIKOV, V. V. Measurement of branches of Siberian larch. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:54-58. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:31. Dec.1965. Film S-203
- 55414 FFOLLIOTT, P. F. Determining growth of ponderosa pine in Arizona by stand projection. U. S. Forest Serv. Res. Note RM-52,4 p. Aug. 1965. A99.9 F7632Us
- 55415 FFOLLIOTT, P. F., and BARGER, R. L. A method of evaluating multiproduct potential in standing timber. U. S. Forest Serv. Res. Paper RM-15,24 p.,map. Ref. Oct.1965. A99.9 F7632U
Arizona.

- 55416 FRANCIS, E. C. Crowns, boles and timber volumes from aerial photographs and field surveys. Commonwealth Forest. Rev. 45(1):32-66. Mar.1966. 99.8 Em72 Malaysia.
- 55417 FRASER, A. R., and HIGHSTED, C. J. Current scaling practices and developments in British Columbia. Forest. Chron. 42(1):18-22. Mar. 1966. 99.8 F7623
- 55418 GEORGIEV, ZH. Study of productivity of oriental beech. (Bu) Gorsko Stopanstvo 20(12): 13-14. Dec.1964. 99.8 G682
- 55419 GEORGIEV, ZH. The technical maturity of the high oak forests in the Strandja Mountains. (Bu) Gorsko Stopanstvo 20(10):1-3. Oct.1964. 99.8 G682
- 55420 GROSENBAUGH, L. R. Three-pee sampling theory and a program "THRP" for computer generation of selection criteria. U. S. Forest Serv. Res. Paper PSW-21,53 p. Ref. 1965. A99.9 F7652P
Sample-tree-measurement for appraisal and sale of standing timber.
- 55421 JOHNSON, F. A. Sample sizes for timber cruises. U. S. Forest Serv. Res. Note PNW-30,10 p. Oct.1965. A99.9 F7625U
- 55422 KOZ'MIN, A. V. Relation between growth of aspen and birch trees and the volume of their leaves. (Rus) In Seleksiya bystrorastushchikh porod 1965:81-100. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:5. Dec.1965. Film S-203
- 55423 KUGLER, F. Stock and increment in the Russian taiga. (Ge) Allg. Forstzeitung 77(2): 26-27. Feb.1966. 99.8 AL53
- 55424 KÜLOW, D. L. Elementary point-sampling. W. Va. Agr. Exp. Sta. Circ. 116,24 p. Dec. 1965. 100 W52
- 55425 LABAU, V. J. An aerial photo scale-protractor. U. S. Forest Serv. Res. Note NOR-11, 2 p. Oct.1965. A99.9 F7672U
Alaska.
- 55426 LEAK, W. Analysis of multiple systematic measurements. Forest Sci. 12(1):69-73. Mar. 1966. 99.8 F7632
- 55427 LOOMIS, R. M., PHARES, R. E., and CROSBY, J. S. Estimating foliage and branchwood quantities in shortleaf pine. Forest Sci. 12(1):30-39. Ref. Mar.1966. 99.8 F7632
- 55428 MARTY, R. The mensurational characteristics of eastern white pine [Pinus strobus]. U. S. Forest Serv. Res. Paper NE-40,73 p. Ref. 1965. A99.9 F7622Un
- 55429 MITSCHERLICH, G., and others. Ecology and yield in pure and mixed stands. VI. Beginning and termination of growth, diameter variation and annual diameter growth. (Ge) Allg. Forst-Jagdzeitung 137(3/4):72-91. Ref. Mar./Apr. 1966. 99.8 AL3
W. Moll, E. Kunstle, and P. Maurer, joint authors.
English summary.
Douglas fir.
- 55430 PETROV, KH. Precision and economic effectiveness in mensuration by using circular test areas and simplified apparatus of Bitterlich. (Bu) Gorsko Stopanstvo 20(10):30-32. Oct. 1964. 99.8 G682
- 55431 POPOV, V. K. Growth and productivity of birch stands in the forest-steppe area. (Rus) Les. Khoz. 10:58-60. Oct.1965. 99.8 L5622
- 55432 REUKEMA, D. L. Seasonal progress of radial growth of Douglas-fir, western redcedar and red alder. U. S. Forest Serv. Res. Paper PNW-26,14 p. Aug.1965. A99.9 F7625Uni
- 55433 SHANIN, S. S., and RYBNIKOV, V. A. Structure of selection larch forests of Khakasia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:59-67. 1964. (Not in Libr.)
In relation to diameter and age.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:26. Dec.1965. Film S-203
- 55434 SIMARD, H. Regulation of wood measurement practices for the future. Forest. Chron. 42(1): 14-17. Mar.1966. 99.8 F7623
- 55435 THOMSON, G. W. The middle-aged mensurationist. Forest. Chron. 42(1):6-11. Mar.1966. 99.8 F7623
- 55436 TRIMBLE, G. R., and TRYON, E. H. Crown encroachment into openings cut in Appalachian hardwood stands. J. Forest. 64(2):104-108. Feb.1966. 99.8 F768
Measurement data.
- 55437 TSANOV, TS. The amount of leaves of white willow trees. (Bu) Gorsko Stopanstvo 20(11): 13-15. Nov.1964. 99.8 G682
- 55438 VINCENT, A. J. A collation of miscellaneous volume tables constructed for use in the Malayan Forest Service through to 30th June, 1965. Kpong. Forest Res. Inst. Res. Pam. 46,71 p. Ref. June 1965. 99.9 K44R
- 55439 YAMAHATA, K. Research on the Pinus thunbergii selective cutting forest. 5. Growth in the first period in the first test area of Murei. (Ja) Jap. Forest. Soc. J. 47(11):377-383, map. Nov.1965. 99.8 N62
German summary.

Silviculture

- 55440 ABETZ, P. Stand establishment and young stand care in spruce. (Ge) Forst- Holzwirt 21(4):77-80. Feb.23,1966. 99.8 F7724
- 55441 ALIEV, M. Wild fruit and nut varieties of Azerbaijan. (Rus) Les. Khoz. 10:25-26. Oct. 1965. 99.8 L5622
Growing in forests.
- 55442 AULITZKY, H. Bioclimatic basis of silviculture of the subalpine zones of the central Alps. (Ge) Centralbl. Gesamte Forstwesen 82(4):217-245, map. Ref. Dec.1965. 99.8 C33
English summary.
- 55443 BAGAEV, S. N. Cultural practices for growing healthy aspen stands. (Rus) Les. Khoz. 10:51-52. Oct.1965. 99.8 L5622
- 55444 BOGDANOV, P. L. Topolya i ikh kul'tura [Poplars and their culture]. Ed. 2, rev. Moskva, Lesnaya Promyshlennost', 1965. 102 p. Ref. SD397.P8B6
Includes breeding and propagation.
- 55445 BRUNER, M. H., and REAMER, L. D. Loblolly pine or yellow-poplar on upland Piedmont sites? J. Forest. 64(4):251-252. Apr.1966. 99.8 F768
North Carolina.
- 55446 BUGAEV, V. A., and NOVOSEL'TSEV, V. D. State and productivity of oak stands in the Kalachevsk plantation of Voronezh Region. (Rus) Okhrana prirody Tsentral'no-chernozemnoi polosy 5:117-121. 1964. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:25. Dec.1965. Film S-203
- 55447 CALVERT, G. M. The Baikiaea [plurijuga] forests of Shesheke District, Zambia. Sylva [Edinburgh] 46:28-30. 1965/66. 99.8 Sy53
Culture.
- 55448 CONRAD, J. Suggestions for culture, care, harvesting, sorting and sale of high quality hardwoods and other hardwoods. (Ge) Forst-Holzwirt 21(3):64-67. Feb.8,1966. 99.8 F7724
- 55449 DANILOVA, M. M. Pine-type forests of northern Kama area. (Rus) Vsesoyuznoe Botanicheskoe Obshchestvo. Permskoe Otdelenie. Sbornik Rabot 2:43-50. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:1. Dec.1965. Film S-203

- 55450 DOLGOSHOV, V. I. Fruit yields of European filbert growing on Russian plain. (Rus) Geograficheskoe Obshchestvo Soyuz SSR. Fenologicheskaya Komissiya. Doklady 1(2):76-79. 1964. (Not in Libr.)
In mixed forests.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:11. Nov.1965.
Film S-203
- 55451 EGOVA, N. V., and KULIKOVA, V. K. Effects of various methods of mechanized cuttings on fertility of soils of southern Karelia. (Rus) In Plodorodie pochv Karelii 1965:144-158. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:6. Nov.1965.
Film S-203
- 55452 ENDEAN, F. The establishment of Eucalyptus species in Zambia by the "Citimene" [shifting cultivation] technique. (Condensed.) Commonwealth Forest. Rev. 45(1):15-27. Ref. Mar. 1966. 99.8 Em72
- 55453 ENDO, Y. Cultural conditions for improved Populus. (Ja) Wood Indus. 20(12):6-9. 1965. 99.82 M72
- 55454 FRIES, J. Views on yields and silvicultural treatment of birch. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):189-193. 1965. 99.8 Sk5
- 55455 FROLOVA, L. N. Dynamics of precipitation and some data on decomposition of litter in spruce forests. (Rus) Akademiya Nauk SSSR. Komi Filial. Trudy 14:113-121. 1965. 511 Ak149
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:6. Nov.1965.
Film S-203
- 55456 GABEEV, V. N. Reconstruction of forests in the forest-steppe area of Novosibirsk Region. (Rus) Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965:53-57. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:23-24. Dec.1965.
Film S-203
- 55457 GEORGIEV, A. G. Some features of growing conditions of pine plantings in Bulgaria. (Bu) Gorsko Stopanstvo 20(11):6-10. Nov.1964. 99.8 G682
Chiefly soil properties.
- 55458 GIGAURI, G. N. Structure of mountain dark-coniferous and beech forests of Georgian SSR and its importance in silvicultural work. (Rus) Tiflis. Institut Lesa. Trudy 14:164-179. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:26. Dec.1965.
Film S-203
- 55459 HALL, C. W. Growing Christmas trees in South Carolina. Clemson Univ. Ext. Circ. 500,14 p. Sept.1965. 275.29 So8E
- 55460 HOLMSGAARD, E. Coniferae culture in Denmark. (Ge) Forstwiss. Centralbl. 85(1/2):38-59. Jan./Feb.1966. 99.8 F775
- 55461 IZYUMSKII, P. P. Forests of Crimea and methods of their improvement. (Rus) Tiflis. Institut Lesa. Trudy 14:77-86. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:2-3. Nov.1965.
Film S-203
- 55462 KASHIBADZE, T. V. Effects of undergrowth on soil forming processes and soil fertility in broadleaved forests of eastern Georgian SSR. (Rus) Tiflis. Institut Lesa. Trudy 13:69-77. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:5-6. Nov.1965.
Film S-203
- 55463 KAUL, R. N. Silvical characteristics of Calligonum polygonoides Linn. La-Yaaran 15(3):96-91. Ref. Sept.1965. 99.9 So19
- 55464 KIRYUKOV, YU. L., GLADYSHEVA, N. V., and PARINOV, V. A. Substantiation of basic cutting systems in pinewoods of Usman area. (Rus) In O povysheniyu produktivnosti lesov TSCHER 1964:49-60. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:20. Dec.1965.
Film S-203
- 55465 KISHENKOV, F. V. Substantiation of practices in birch-spruce type plantations. (Rus) Les. Khoz. 10:40-43. Oct.1965. 99.8 L5622
- 55466 KOLESNIKOV, B. P. Principles of organization of inexhaustible exploitation of mountain forests of Urals. (Rus) Tiflis. Institut Lesa. Trudy 14:29-47. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:18. Dec.1965.
Film S-203
- 55467 KONONOV, K. E. Main forest types of Vilyui-Igysk watershed. (Rus) Yakutskii Universitet. Uchenye Zapiski 15:151-178. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:9. Dec.1965.
Film S-203
- 55468 KONTSEVOI, P. YA., and BOBROV, R. V. Formation of aspen stands. (Rus) Les. Khoz. 10:48-50. Oct.1965. 99.8 L5622
Improvement cuttings.
- 55469 KOZLOVSKII, D. R. Characteristics of growing conditions in Tuba forest area. (Rus) Voprosy lesnoi promyshlennosti i lesnogo khozaystva Sibiri 1964:123-129. (Not in Libr.)
Description of soils and forest types.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:3. Nov.1965.
Film S-203
- 55470 KRAMAREV, A. F. Economic effectiveness of forest stands planted on steep slopes of ravines and gullies of central non-Chernozem regions. (Rus) O povyshenii produktivnosti lesov TSCHER 1964:94-108. (Not in Libr.)
Yields.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:36. Dec.1965.
Film S-203
- 55471 KRYVDA, S. A. Forest site class for Yergeni Hills according to G. N. Vysotskii. (Rus) Les. Khoz. 10:15-16. Oct.1965. 99.8 L5622
- 55472 KUCHEROV, E. V., and FEDORAKO, B. I. Characteristics of plant resources of spruce-fir type forests of southern Urals. (Rus) Bashkirskii Universitet. Uchenye Zapiski 19:43-56. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:2. Nov.1965.
Film S-203
- 55473 LASHINSKII, N. N. Birch-type forests of southern taiga of Krasnoyarsk Territory (Bolshe-Murtinsk District). (Rus) Rastitel'nyi pokrov Krasnoyarskogo kraia 1:81-90. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:9. Dec.1965.
Film S-203
- 55474 LASHINSKII, N. N. Spruce [Picea obovata] forests with undergrowth of Mitella nuda L. in southern taiga of Krasnoyarsk Territory. (Rus) Rastitel'nyi pokrov Krasnoyarskogo kraia 1:68-80. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:9. Dec.1965.
Film S-203
- 55475 LAZAREV, N. A. Process of conversion of forest species and formation of stand composition. (Rus) Akademiya Nauk SSSR. Komi Filial. Trudy 14:102-112. 1965. 511 Ak149
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:7. Dec.1965.
Film S-203

- 55476 LEBEDINOVA, N. S. Forest types of Nizhne-Ilimsk District. (Rus) In *Rastitel'nost' raionov pervoocherednogo osvoeniya Taishet-Bratskogo promyshlennogo kompleksa* 1964:52-61. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:8-9. Dec.1965. Film S-203
- 55477 LOGGINOV, B. I., and GORDIENKO, M. I. Culture of Amur corktree. (Rus) In *Opyt sozdaniya vysokoproduktivnykh lesnykh nasazhdenii* 1964:10-17. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:20. Nov.1965. Film S-203
- 55478 LUCKHOFF, H. A. The natural distribution, growth and botanical variation of *Pinus caribaea* and its cultivation in South Africa. Stellenbosch Univ. Ann. 39(1),153 p.,map. 1965. 515 St3
Thesis-University of Stellenbosch.
- 55479 MAGOMEDMIRZAEV, M. M. Pine-type forests of Betsor Valley in Dagestan. (Rus) In *Dagestanskii Universitet. Estestvennye i Fiziko-Matematicheskie Nauki. Sbornik Aspirantskikh Rabot* 1964:23-31. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:7. Nov.1965. Film S-203
- 55480 MALYSHEV, T. V. Types of concentrated clear cuttings in the Kirov Region. (Rus) Les. Khoz. 10:43-46. Oct.1965. 99.8 L5622
- 55481 MASING, V. Forest types in Estonia. (Es) *Eesti Loodus* 1:24-29. Jan./Feb.1966. 409.6 Ee7
English summary.
- 55482 MERENDI, A. Is it advantageous to cultivate Douglas fir in Italy? (It) Ital. Forest. Mont. 20(6):255-260. Nov./Dec.1965. 99.8 It12
French summary.
- 55483 OGIEVSKII, V. V. Culture of Siberian and Dahurian larch in Siberia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:187-193. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:18. Nov.1965. Film S-203
- 55484 PAPADOPOL, CH. S., PAPADOPOL, V., and PURVU, E. The effectiveness of agrotechnics in establishment, preservation and culture of oak [*Quercus pedunculiflora*] and acacia trees. (Bu) *Gorsko Stopanstvo* 20(12):15-19. Dec. 1964. 99.8 G682
- 55485 PIELOU, E. C. The concept of randomness in the patterns of mosaics. *Biometrics* 21(4):908-920. Ref. Dec.1965. 442.8 B5224
In relation to forest sites.
- 55486 PITT, C. J. W. Fast-growing tropical trees for plantations; interim report. Commonwealth Forest. Rev. 45(1):80-82. Mar.1966. 99.8 Em72
- 55487 POLYAKOV, N. E. Culture of pine growing on sands of the Lugansk Region. (Rus) *Lesovodstvo i Agrolesomeliioratsiya* 4:111-116. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:34. Dec.1965. Film S-203
- 55488 POPOV, V. K. Birch culture in forest-steppe area of Central-Chernozem economic region. (Rus) *Voronezh. Lesotekhnicheskii Institut. Sbornik Aspirantskikh Rabot* 1:14-20. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:36. Dec.1965. Film S-203
- 55489 POYNTON, R. J. Research on the silviculture of *Eucalyptus grandis* (saligna) in the northern Transvaal. S. Afr. Forest. J. 55:10-20. Dec. 1965. 99.9 So82
- 55490 POZDNYAKOV, L. K. Decomposition of litter in larch forests of the central Yakutia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:80-86. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:6. Nov.1965. Film S-203
- 55491 PRAVDIN, L. F. Tasks of scientific investigations and measures for establishment of fast growing forest plantations. (Rus) In *Povyshenie produktivnosti i sokhrannosti lesov* 1964:313-327. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:18-19. Nov.1965. Film S-203
- 55492 RAEV, E. Ways and means for the improvement of thick walnut forests. (Bu) *Gorsko Stopanstvo* 20(10):11-13. Oct.1964. 99.8 G682
- 55493 ROHRIG, E. Mixed stands of high quality hardwoods and beech. (Ge) *Forst- Holzwirt* 21(3):59-62,64. Ref. Feb.8,1966. 99.8 F7724
Culture.
- 55494 SHERIFOV, E. F. Culture of chestnut leaf oak on mountain Brown Forest soils and lowland meadow-forest soils. (Az) *Akad. Nauk Azerb. SSR. Izv. Ser. Biol. Nauk* 5:85-88. 1964. 442.9 Ak132
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:36. Dec.1965. Film S-203
- 55495 SLOAN, R. P., SARGENT, J. E., and SARGENT, L. B. Christmas trees a cash crop. R. I. Univ. Agr. Ext. Bull. 188,24 p.,map. Sept.1965. 275.29 R34
On cover: Cooperative Extension Service, University of New Hampshire.
Culture and marketing of New Hampshire trees.
- 55496 SMOLYAK, L. P., and CHERNYAK, E. F. Improving productivity of European alder forests by improving soil conditions. (Rus) Les. Khoz. 10:34-37. Oct.1965. 99.8 L5622
- 55497 STRUVER, M. Cultivation measures on heavy soils. (Ge) *Forst- Holzwirt* 21(4):86-89. Feb.23,1966. 99.8 F7724
- 55498 TARASASHVILI, N. G. Peculiarities of forest litter in oak and chestnut forests of Georgian SSR. (Rus) Tiflis. Institut Lesa. Trudy 13:78-87. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:6. Nov.1965. Film S-203
- 55499 TUCKER, R. E. A 10-year case history showing the economics of growing pulp stumpage. Amer. Pulpwood Ass. Tech. Pap., July 1965:6-8,10. 99.9 Am33Te
Louisiana.
- 55500 USPENSKII, V. A. Work parameters during improvement cuttings. (Rus) Les. Khoz. 10:74-75. Oct.1965. 99.8 L5622
- 55501 VILLIERS, A. M. DE. Silvicultural, exploitation and conversion methods that affect timber quality. S. Afr. Forest. J. 55:21-31. Ref. Dec.1965. 99.9 So82
- 55502 VIVANI, W. Quick-growing conifera. (It) *Prog. Agr. [Bologna]* 12(1):65-76. Jan.1966. 58.8 P94
Culture.
- 55503 VOJTUS, M. Present results of research on site requirements of some euroamerican poplars in Slovakia. Commun. Inst. Forest. Cech. 4:175-186,map. Ref. 1965. 99.9 P884

Silvicultural Practices

- 55504 AHLGREN, I. F., and AHLGREN, C. E. Effects of prescribed burning on soil microorganisms in a Minnesota jack pine forest. *Ecology* 46(3):304-310. Ref. Spring 1965. 410 Ec7
- 55505 AXELSSON, R., and WESLIEN, J. Burning and scarification hobby or money saver? *Pulp Pap. Mag. Can.* 67(3):WR153,WR156-WR159,map. Mar.1966. 302.8 P96

- 55506 BEAUFAT, W. R. Characteristics of back fires and headfires in a pine needle fuel bed. U. S. Forest Serv. Res. Note INT-39,7 p. 1965. A99.9 F764Un
Pinus ponderosa in Montana.
- 55507 BEAUFAT, W. R. An integrating device for evaluating prescribed fires. Forest Sci. 12(1): 27-29. Mar.1966. 99.8 F7632
- 55508 CREMENESCU, G. Results of tests with the subsoiling of arable layer of the Podzol Brown Forest soils of Oarja, district of Pitesti. (Rum) Probl. Agr. [Bucharest] 17(8):18-23. Aug.1965. 21 R862
English summary.
- 55509 FASICK, C. A. An evaluation of thinning methods by the financial maturity principle. Diss. Abs. 26(9):4933. Mar.1966. 241.8 M58
In forestry.
- 55510 FENTON, R. H., and BOND, A. R. Pre-commercial thinning not recommended for Virginia pine [Pinus virginiana] stands in southern Maryland. U. S. Forest Serv. Res. Note NE-40,7 p. 1965. A99.9 F7622U
- 55511 FORREST, W. G., and RICHARDSON, R. R. Chemical control of forest weeds. New S. Wales. Forest. Comm. Div. Forest Manage. Res. Note 16,22 p. Apr.1965. 99.9 N474
- 55512 FRYE, J. Tree fertilization experiment; spraying with sewage effluent studied. Southern Lumberman 212(2638):38,40. Mar.15, 1966. 99.81 So82
Hardwood and pine.
- 55513 GERBELLA, E. Improvement of poplars. II. (It) Avvenire Agr. 73(5):114-117. May 1965. 16 Av9
Tillage and fertilizing.
- 55514 KASHUTIN, V. N. Attachment for tractor plows for deep application of fertilizers. (Rus) Les. Khoz. 10:76-77. Oct.1965. 99.8 L5622
- 55515 KAWANA, A., and others. Study on the chemical control of weeds and trees. V. Early spring application of DPA, ATA, and TCA on susuki (Miscanthus sinensis). (Ja) Jap. Forest. Soc. J. 48(1):1-6. Ref. Jan.1966. 99.8 N62
M. Katori, T. Sugiura, and S. Tanaka, joint authors.
English summary.
- 55516 KING, K. F. S. The use of arboricides in the management of tropical high forest. Dasonomia Interamer. 1:35-39. Mar.1965. 99.8 D264
Use of sodium arsenite and butyl esters of 2,4,5-T and 2,4-D in British Guiana.
- 55517 LAMBRECHT, W. Chemical weed control in the forest technique, performance and costs. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(4):90-92,94-96. Apr.15,1966. 58.8 D81
- 55518 MALAC, B. F. Twenty-year-old slash pine plantation responds to fertilization. Woodland Res. Notes 15,4 p. Mar.1966. 99.8 W856
Nitrates and urea.
- 55519 MIKHOVICH, A. I., and FEDETS, I. F. Changes in growing conditions under effect of forest drainage in Ukrainian Polesye Region. (Rus) Lesovodstvo i Agrolesomelioratsiya 3: 29-36. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:25. Dec.1965. Film S-203
- 55520 MOROZOV, V. A. Methods of mechanized preparation of soils for pine culture in northern Belorussia. (Rus) Gomel' Belaruskii Navukova-Dasledchy Instytut Lyasnoi Gaspa-darki. Trudy 16:36-42. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:16. Nov.1965. Film S-203
- 55521 MURPHY, J. L., and PHILPOT, C. W. Do petroleum-based protective coatings add fuel value to slash? U. S. Forest Serv. Res. Note PSW-81,3 p. 1965. A99.9 F7652
- 55522 NEUBACHER, F. Sawdust humus in seedling culture. (Ge) Allg. Forstzeitung 77(2):29-30. Feb.1966. 99.8 AL53
- 55523 OBA, K., and others. Studies on the variation in forest trees. II. Growth responses of sugi seedlings, Cryptomeria japonica D. Don, raised from the seeds of individual trees selected in a 17 year-old sugi stand, to various fertilization levels. (Ja) Jap. Forest. Soc. J. 47(12):438-443. Dec.1965. 99.8 N62
Y. Okada, I. Shioda, A. Muto, and K. Okamoto, joint authors.
English summary.
- 55524 OGIEVSKII, V. V. Silvicultural practices in forests of western Siberia. (Rus) In Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965:47-52. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:15. Nov.1965. Film S-203
- 55525 PAREZ, J. Survey of thinning sample plots established in the post-war years in Czechoslovakia. Commun. Inst. Forest. Cech. 4:247-253. 1965. 99.9 P884
- 55526 PASE, C. P., and GLENDENING, G. E. Reduction of litter and shrub crowns by planned fall burning of oak [Quercus turbinella]-mountain-mahogany [Cercocarpus montanus] chaparral. U. S. Forest Serv. Res. Note RM-49,2 p. Aug. 1965. A99.9 F7632Us
Arizona.
- 55527 SEFASTSSON, J. Labour methods at fertilizing of forests. (Sw) Vaxt-Narings-Nytt 22(1): 27-32. Feb.1966. 57.8 V47
English summary, p.5-6 of supplement.
- 55528 SKOKLEFALD, S. Experiments with various seedbed treatments in connection with direct seeding of Norway spruce and Scots pine. (No) Norway. Skogforsoksv. Medd. 75:205-247. Ref. 1965. 99.9 N833
English summary.
- 55529 SMITH, J. H. G., SZIKLAI, O., and BEATON, J. D. Can fertilization reduce planting-check of Douglas fir? Forest. Chron. 42(1):87-89. Mar.1966. 99.8 F7623
- 55530 TEGETHOFF, W. Rotary plow in forestry. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(4):108-109. Apr.15,1966. 58.8 D81
- 55531 THOMASSON, E. Fertilizing of farm forests is good business. (Sw) Lantmannen 76(20):24, 26,28. Oct.2,1965. 11 L234
- 55532 VIRO, P. J. Estimation of the effect of forest fertilization. Finland. Metsantutkimuslaitos. Julkaisuja 59,42 p.,map. Ref. 1965. 99.9 F493
Spruce and pine.
- 55533 WAGENER, W. W. Dwarfmistletoe [Arceuthobium] removal and reinvastion in Jeffrey and ponderosa pine, northeastern California. U. S. Forest Serv. Res. Note PSW-73,8 p. 1965. A99.9 F7652
- 55534 WHITE, E. C. Drainage development program for San Pedro Bay area; how it was accomplished. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:10,12. 99.9 Am33Te
Florida.
- 55535 ZELENEVA, L. B. Chemical control of unwanted trees and shrubs in oak stands. (Rus) In O povysheniyu produktivnosti lesov TSCHER 1964:85-93. (Not in Libr.)
2,4-D.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:23. Dec.1965. Film S-203

Regeneration and Breeding

- 55536 ABBOTT, H. G., and VERRIER, P. S. Direct seeding red maple. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:47-49. 1965. 99.9 M386
- 55537 ABBOTT, H. G., and HILTON, R. L. Seeding white pine under poor quality hardwoods. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:34-37. 1965. 99.9 M386
Direct seeding of eastern white pine.

- 55538 ABBOTT, H. G., and DAVIDSON, W. H. Some aspects of direct seeding red pine in Massachusetts. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:37-41. 1965. 99.9 M386
Pinus resinosa.
- 55539 ABRAMOV, V. N. Development of young pine growth after shelterwood cuttings in Meshchera area. (Rus) Lesoekspluatatsiya i lesnoe khozyaistvo 15:14. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:20. Dec.1965.
Film S-203
- 55540 ABRAMOV, V. N. Regeneration in pine forests after group selection cutting. (Rus) Les. Khoz. 10:54-55. Oct.1965. 99.8 L5622
- 55541 AKHMETOV, M. A. Natural regeneration of Schrenk spruce and Siberian fir in Dzungarian Ala-Tau. (Rus) Vest. Sel'skokhoz. Nauki [Alma-Ata] 5:66-68. 1965. 20 Ak16
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:7. Nov.1965.
Film S-203
- 55542 ALLEN, P. H., and BARRETT, P. E. First year evaluation of black walnut [Juglans nigra] seeding in southeastern New Hampshire. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:49-50. 1965. 99.9 M386
- 55543 ARSENAULT, R. W. A direct seeding trial of red and white pine with the Marden brush chopper following site preparation. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:110-111. 1965. 99.9 M386
- 55544 BAITALA, V. D. Reforestation of steppe areas in Ukraine in relation to ideas of G. N. Vyotskii. (Rus) Les. Khoz. 10:9-12. Oct.1965. 99.8 L5622
- 55545 BALDWIN, H. I. Summary of direct seeding in New Hampshire 1924-62. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:59-64. Ref. 1965. 99.9 M386
- 55546 BARRETT, J. W. Spacing and understory vegetation affect growth of ponderosa pine [Pinus ponderosa] saplings. U. S. Forest Serv. Res. Note PNW-27,8 p. Aug.1965. A99.9 F7625U
- 55547 BARYSHMAN, F. S. Selection of European chestnut for forest culture. (Rus) Dostizheniya biologii v sel'skokhozyaistvennoe proizvodstvo 1965:35-38. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:33. Dec.1965.
Film S-203
- 55548 BEHRNDT, G. Fifteen years of waste land reforestation in Emsland. (Ge) Forst- Holzwirt 21(4):90-92. Feb.23,1966. 99.8 F7724
- 55549 BENZIE, J. W. Comments on direct seeding in the Lake States. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:24. 1965. 99.9 M386
- 55550 BERGSTROM, B. Results of some experiments with reforestation of peat land in Halland. (Sw) Svenska Skogsvardsforen. Tidskr. 63(4):367-377. 1965. 99.8 Sk5
- 55551 BERZOV, F. G. Mechanized planting of large-sized pine seedlings. (Rus) Gomel' Belaruskii Navukova-Dasledchy Instytut Lyasnoi Gaspardarki. Trudy 16:55-60. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:16. Nov.1965.
Film S-203
- 55552 BHATNAGAR, H. P. Effect of light on growth and uptake of nutrients by some forest tree seedlings. Indian Forest. 92(2):79-84. Ref. Feb.1966. 99.8 In2
- 55553 BIRYUKOV, V. I. Biological forms of Siberian larch and their role in forest seed production. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:71-74. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:13-14. Nov.1965.
Film S-203
- 55554 BJORKBOM, J. C., MARQUIS, D. A., and CUNNINGHAM, F. E. The variability of paper birch seed production, dispersal, and germination. U. S. Forest Serv. Res. Paper NE-41, 8 p. Ref. 1965. A99.9 F7622Un
- 55555 BONNER, F. T., and FARMER, R. E. Germination of sweetgum in response to temperature, moisture stress, and length of stratification. Forest Sci. 12(1):40-43. Ref. Mar.1966. 99.8 F7632
Liquidambar styraciflua.
- 55556 BORMANN, F. H. Changes in the growth pattern of white pine trees undergoing suppression. Ecology 46(3):269-277. Ref. Spring 1965. 410 Ec7
Chiefly Pinus strobus.
- 55557 BOROVIKOV, V. M., and ISTRATOVA, O. T. Fruit bearing of woody plants in the Sochi health resort area. (Rus) Sochinskaya Nauchno-Issledovatel'skaya Opytnaya Stantsiya Subtropicheskogo Lesnogo i Lesoparkovogo Khozyaistva. Sbornik Trudov po Zelenomu Stroitel'stvu 2:118-172. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:13. Nov.1965.
Film S-203
- 55558 BRANKO, A. P. Growth of English oak depending on planting methods. (Rus) Lesovodstvo i Agrolesomeliatoriya 1:69-74. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:19. Nov.1965.
Film S-203
- 55559 BREKKEN, P. Experiments with the planting date for 2/2 spruce at Vestlandet. (No) Tidskr. Skogbruk 73(3):330-345. 1965. 99.8 T432
- 55560 BROWN, J. H., and GOULD, W. P. Direct seeding native conifers in Rhode Island. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:73-75. 1965. 99.9 M386
White pine, pitch pine, and hemlock.
- 55561 BUCCIANTI, M. Conversation with Prof. Lucio Susmel on natural regeneration. (It) Ital. Forest. Mont. 20(6):272-273. Nov./Dec.1965. 99.8 It12
- 55562 COLLOM, J. L. The effect of endrin, Arasan, and Dow Latex sticker on germination and initial growth of red pine [Pinus resinosa]. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:91-95. Ref. 1965. 99.9 M386
- 55563 CORREIA, C. A. DA P. Cork-oak coppice; results of an experiment in Portugal. (Por) Port. Junta Nac. Cortica. Bol. 27(326):247-252. Dec.1965. 209.9 J96
- 55564 CUNNINGHAM, F. E., and PETERSON, R. J. Air-layering sugar maple. U. S. Forest Serv. Res. Paper NE-42,16 p. 1965. A99.9 F7622Un
- 55565 CUNNINGHAM, F. E. Some factors that may influence germination, survival and growth of sugar maple. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:45-47. 1965. 99.9 M386
Acer saccharum; consideration of direct seeding judging from natural seeding.
- 55566 DAVYDOVA, N. I. Genetic selection of plus trees of English oak and grafting of oak in seed orchards. (Rus) Lesoekspluatatsiya i Lesnoe Khozyaistvo. Referativnaya Informatsiya 13:11-13. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:32. Dec.1965.
Film S-203
- 55567 DECOSTER, L. A. Direct seeding on abandoned agricultural land in Aroostook County, Maine. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:111-112. 1965. 99.9 M386
Chiefly reuse of Flexi-Seeder.
- 55568 DERR, H. J. Longleaf X slash [pine] hybrids at age 7: survival, growth, and disease susceptibility. J. Forest. 64(4):236-239. Apr.1966. 99.8 F768
- 55569 DONALD, D. G. M. A study of the history, practice and economics of forest nurseries in South Africa. Stellenbosch. Univ. Ann. (ser.A) 40(1),107 p. 1965. 515 St3

- 55570 DRYUCHENKO, M. M., SHINKARENKO, I. B., and GOVOROVA, T. T. Effect of cultural practices on growth of pine root system. (Rus) *Lesovodstvo i Agrolesomeliorsiya* 1: 13-26. 1965. (Not in Libr.)
Chiefly soil preparation.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 11:16-17. Nov.1965.
Film S-203
- 55571 DUFFIELD, J. W. Some influences of genetics on the thinking of foresters. In *California University. School of Forestry. Forestry in science and society*, p.6-13. 1965. 99.9 C1272
- 55572 ELAGIN, I. N. Phenological characteristics of Asian white birch [*Betula japonica*] forests of Kamchatka. (Rus) *Geograficheskoe Obshchestvo Soyuza SSR. Fenologicheskaya Komissiya. Doklady* 1(2):68-75. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 11:4. Nov.1965.
Film S-203
- 55573 ELIASON, E. J. Results of early direct seeding in New York. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:76-80. 1965. 99.9 M386
- 55574 ELIASON, E. J. Treatment of forest tree seed to overcome dormancy prior to direct seeding. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:87-91. 1965. 99.9 M386
- 55575 FIEDLER, H. J., HUNGER, W., and PALM K. State of nutrition of better growing red spruce trees on upland soils under different trophic conditions. (Ge) *Arch. Forstwesen* 14 (9):987-1001. Ref. 1965. 99.8 Ar22
English summary.
- 55576 FOWELLS, H. A., and STARK, N. B. Natural regeneration in relation to environment in the mixed conifer forest type of California. *U. S. Forest Serv. Res. Paper PSW-24*, 14 p. 1965. A99.9 F7652P
- 55577 FROLOVA, G. D. Germination of pollen of *Robinia pseudoacacia*, *R. neomexicana* and *Caragana arborescens*. (Rus) *Moscow Glav. Bot. Sad. B.* 57:69-76. 1965. 451 M854
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 11:11. Nov.1965.
Film S-203
- 55578 GLERUM, C., FARRAR, J. L., and MCLURE, R. L. A frost hardness study of six coniferous species. *Forest. Chron.* 42(1):69-75. Ref. Mar.1966. 99.8 F7623
- 55579 GOVOROVA, T. T. Effect of methods of soil preparation on rooting of pine seedlings planted with the use of machinery. (Rus) *Lesovodstvo i Agrolesomeliorsiya* 1:38-45. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 11:16. Nov.1965.
Film S-203
- 55580 GRABER, R. E. Direct seeding white pine in furrows. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:99-101. 1965. 99.9 M386
- 55581 GRIFFIN, R. H., DECOSTER, L. A., and COLLOM, J. L. Direct seeding of red pine and white spruce on diverse sites in eastern Maine. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:105-109. 1965. 99.9 M386
- 55582 GRIGORASHENKO, I. A. Natural regeneration of pine in middle Ob River area. (Rus) In *Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri* 1964:169-197. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 12:21. Dec.1965.
Film S-203
- 55583 GRIGORYAN, R. A. Caucasian pine [*Pinus kochiana*] in forests of Shamshadin area. (Rus) *Akad. Nauk Armyanskoi SSR. Izv. Biol. Nauk.* 18(3):81-86. 1965. 20 Er4
Development.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 11:8. Nov.1965.
Film S-203
- 55584 GRISEZ, T. J., and HUNTZINGER, H. J. Direct seeding studies with black cherry. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:41-43. 1965. 99.9 M386
Prunus serotina.
- 55585 HARRIS, A. S. Aerial seeding Sitka spruce [*Picea sitchensis*] and western hemlock [*Tsuga heterophylla*] on a cutover area in southeast Alaska. *U. S. Forest Serv. Res. Note NOR-10*, 6 p., map. June 1965. A99.9 F7672U
- 55586 HAWES, E. C. Some observations on seed spotting white pine in eastern Massachusetts. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:112-113. 1965. 99.9 M386
- 55587 HEITMANN, A. F., and CAMERON, G. P. Direct seeding experiments in Vermont. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:81-84. 1965. 99.9 M386
- 55588 HELLMERS, H. Temperature action and interaction of temperature regimes in the growth of red fir seedlings. *Forest Sci.* 12(1):90-96. Mar.1966. 99.8 F7632
- 55589 HILL, W. O. Direct seeding of shrubs and trees in soil and water conservation districts in the Northeast. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:50-57. 1965. 99.9 M386
- 55590 HOCKER, H. W. Seed supply—the quantitative aspect. *Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc.* 1964:86-87. 1965. 99.9 M386
Eastern white pine cone and seed yields.
- 55591 KAPOOR, M. L., and GUPTA, R. Effect of seradix B No. 3 (beta-indole butyric acid) on sprouting and subsequent growth of *Rauvolfia canescens* Linn. *Indian Forest.* 92(2):137-138. Feb.1966. 99.8 In2
- 55592 KARDELL, L. Fall collecting of Norway spruce cones in Noorland. (Sw) *Svenska Skogsvardsforen. Tidskr.* 63(2):199-200. 1965. 99.8 Sk5
Effects of temperature of seed viability.
- 55593 KISHCHENKO, T. I. Effect of felling of trees with roots on regeneration of forests. (Rus) *Les. Khoz.* 10:52-53. Oct.1965. 99.8 L5622
- 55594 KOSTENKO, A. G. Regeneration of Siberian pine after slash fires. (Rus) *Les. Khoz.* 10: 55-56. Oct.1965. 99.8 L5622
- 55595 KOVALEV, L. S. Growth of pine and development of root system in mixed and pure plantations. (Rus) *Voronezh. Lesotekhnicheskii Institut. Sbornik Aspirantskikh Rabot* 1:21-38. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 12:34. Dec.1965.
Film S-203
- 55596 KOZHUKHAROV, I. N. Results of the afforestation with Douglas fir in the Sliven District. (Bu) *Gorsko Stopanstvo* 20(10):6-10. Oct.1964. 99.8 G682
- 55597 KOZOBRODOV, A. S., and KASHIN, V. I. Natural regeneration of *Larix sukaczewii* on clear cut areas and other open spaces of the European North. (Rus) *Sibirskii Tekhnologicheskii Institut. Trudy* 39:167-180. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 12:21-22. Dec.1965.
Film S-203
- 55598 KRAHL-URBAN, J. Preliminary results of a *Quercus borealis* provenance trial. (Ge) *Allg. Forst- Jagdzeitung* 137(3/4):91-100, map. Mar./Apr.1966. 99.8 AL3
English summary.
- 55599 KRECHETOVA, N. V. Effect of gibberellins on germination of Manchurian ash. Amur cork-tree, Korean pine, Amur linden and Manchurian linden. (Rus) *Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov* 6:103-107. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, *Lesoved. Lesovod.* 12:32. Dec.1965.
Film S-203

- 55600 LADEISHCHIKOVA, E. I. Water regime of white poplar under various planting density and under conditions of insufficient moisture supply. (Rus) Lesovodstvo i Agrolesomeliorsiya 3:114-123. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:35. Dec.1965.
Film S-203
- 55601 LANGLET, O. Increased production through right selection of provenance. (Sw) Lantmannen 76(20):20-22. Oct.2,1965. 11 L234 Spruce.
- 55602 LANTRATOVA, A. S., and POTAKHINA, L. N. Magnesium content in one-year old shoots of Siberian larch. (Rus) Petrozavodsk. Universitet. Uchenie Zapiski 12(3):72-75. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:7. Nov.1965.
Film S-203
- 55603 LESHKOVITSEVA, I. I., and KORCHKOV, V. S. Artificial differentiation of pollen grain. (Rus) Les. Khoz. 10:57. Oct.1965. 99.8 L5622 From Scotch pine.
- 55604 LINDMAN, B. Better regeneration—and cheaper. (Sw) Lantmannen 76(20):12-14. Oct.2, 1965. 11 L234
Planting of Norway spruce in green slash.
- 55605 LISENKOV, A. F. Establishment of Siberian larch plantation by planting of seedlings in southern part of Krasnoyarsk Territory. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39: 125-131. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:18. Nov.1965.
Film S-203
- 55606 LITTLE, S. Direct seeding in southern New Jersey and the Pennsylvania Poconos. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:64-68. 1965. 99.9 M386
- 55607 LOGGINOV, B. I., GORDIENKO, M. I., and DUBININ, G. V. Interaction of root system of pine and oak on soddy-podzolic-sandy soils. (Rus) Lesovodstvo i Agrolesomeliorsiya 2: 61-67. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:19-20. Nov.1965.
Film S-203
- 55608 LOSKUTOV, R. I. Experiment in obtaining mass germination of Siberian pine in nurseries. (Rus) In Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri 1964:107-111. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:14. Nov.1965.
Film S-203
- 55609 LUGANSKII, N. A. To the problem of vegetative propagation of woody species. (Rus) Akademiya Kommunal'nogo Khozyaistva. Nauchnye Trudy 33:114-123. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:13. Nov.1965.
Film S-203
- 55610 MANDRO, V. F. A drill for planting acorns. (Rus) Les. Khoz. 10:79-80. Oct.1965. 99.8 L5622
- 55611 MANN, W. F. Progress in direct-seeding the southern pines. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:9-13. Ref. 1965. 99.9 M386
- 55612 MASSACHUSETTS AGRICULTURAL EXPERIMENT STATION. Direct seeding in the Northeast; a symposium, Aug. 25-27, 1964. Amherst, 1965. 127 p. Ref. 99.9 M386
- 55613 MCCONKEY, T. W. Intolerant species and direct seeding. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:97-98. Ref. 1965. 99.9 M386
The relationship between successful direct seeding and the competitive-hardiness of eastern conifers.
- 55614 MCKUSICK, H. A. Direct seeding in Connecticut. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:80-81. 1965. 99.9 M386
- 55615 MCQUILKIN, W. E. Direct seeding in the Northeast—status and needs. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964: 25-27. 1965. 99.9 M386
- 55616 MEEKINS, E. H., DEION, H. J., and TIFFANY, C. Effect of site preparation on direct seeding conifers in the brush oak type in Rhode Island. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:71-73. 1965. 99.9 M386
White pine, pitch pine, and European larch.
- 55617 MEGALINSKII, P. N., and NAKONECHNYI, V. S. Interrelations between oak, ash and hornbeam species in mixed forests of forest-steppe area of Ukraine. (Rus) Lesovodstvo i Agrolesomeliorsiya 2:44-51. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:4-5. Nov.1965.
Film S-203
- 55618 MERENDI, A. A million hectares reforested in France. (It) G. Agr. 76(11):120. Mar.13, 1966. 16 It1G
- 55619 METZ, L. J., and WELLS, C. G. Weight and nutrient content of the aboveground parts of some loblolly pines [Pinus taeda]. U. S. Forest Serv. Res. Paper SE-17,20 p. Mar.1965. A99.9 F7623U
- 55620 MORGENSTERN, E. K. Visiting tree breeding stations in Scandinavia and Finland. Forest. Chron. 42(1):94-97. Mar.1966. 99.8 F7623
- 55621 MYASOEDOV, S. S. Concrescence of root systems of woody plants in oak stands. In O povysheniyu produktivnosti lesov TSCHER 1964: 109-116. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:6. Dec.1965.
Film S-203
- 55622 NAMKOONG, G. Inbreeding effects on estimation of genetic additive variance. Forest Sci. 12(1):8-13. Ref. Mar.1966. 99.8 F7632
Of open pollinated tree seeds.
- 55623 NIKONCHUK, V. N. Larch seed orchards. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:154-166. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:14. Nov.1965.
Film S-203
- 55624 NOVOSEL'TSEVA, A. I., and BOBRESHOV, N. M. Effect of planting density and distribution of seedbeds on differentiation in growth of pine trees of the first class. (Rus) Voronezh. Lesotekhnicheskii Institut. Sbornik Aspirantskikh Rabot 1:58-66. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:34. Dec.1965.
Film S-203
- 55625 PASTERNAK, G. M. Effect of improvement cuttings on productivity of photosynthesis of beech trees under conditions of Carpathian Mountains. (Rus) Lesovodstvo i Agrolesomeliorsiya 3:80-92. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:6. Dec.1965.
Film S-203
- 55626 PERKINS, P., and ROBBINS, W. A case for direct seeding on old burns. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964: 102-103. 1965. 99.9 M386
- 55627 PETROV, N. G. Seasonal planting dates for large-sized seedlings of woody plants. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:277-283. 1965. 20 V91S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:15. Nov.1965.
Film S-203

- 55628 POLONCHUK, N. S. Effect of planting density on growth and productivity of oak. (Rus) Gornel'. Belaruskii Navukova-Dasledchy Instytut Lyasnoi Gaspadarki. Trudy 16:78-84. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:36. Dec.1965. Film S-203
- 55629 POPOV, V. A. Effects of gibberellins on accelerated growth of tree seedlings. (Rus) Akademiya Kommunal'nogo Khozyaistva. Nauchnye Trudy 33:132-137. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:33. Dec.1965. Film S-203
- 55630 PRILUTSKIĬ, A. V. Growth of poplar plantings depending on moisture and density of soils under various methods of cultivation. (Rus) Lesovodstvo i Agrolesomeliorsiya 1:46-53. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:18. Nov.1965. Film S-203
- 55631 PROTOPOPOV, V. V., and NIKITENKO, L. A. Effect of water extracts of needles of various woody species on germination of Siberian larch. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:194-197. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:14. Nov.1965. Film S-203
- 55632 PROZOROV, YU. S. Peculiarities of growth of larch trees on bogs and water-logged soils of southern part of Far East. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:18-23. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:5. Nov.1965. Film S-203
- 55633 RAO, K. R., PURKAYASTHA, S. K., and TAN-DON, R. D. Effect of rate of growth on proportion of tissues in teak. Indian Forest. 92(2): 133-136. Mar.1966. 99.8 In2
- 55634 REINES, M. Trees from needle bundles of pine. Ga. Forest Res. Council. Ga. Forest Res. Pap. 35,5 p. Mar.1966. 99.9 G299G
- 55635 RICHMOND, G. B. Naturalization of Java podocarpus [Podocarpus cupressina] in Hawaii rain forest. U. S. Forest Serv. Res. Note PSW-76,5 p.,map. 1965. A99.9 F7652
- 55636 ROHMEDER, E. Forest trees in their development from wild plants to cultivated species. (Ge) Forstwiss. Centralbl. 85(1/2):1-16, map. Ref. Jan./Feb.1966. 99.8 F775
- 55637 SCHMIDT-VOGT, H. Between narrow and wide planting arrangements. (Ge) Forst- Holzwirt 21(4):73-77. Ref. Feb.23,1966. 99.8 F7724
- 55638 SCHULTZ, R. P. The frequency and implications of intraspecific root-grafting in loblolly pine (Pinus taeda L.). Diss. Abs. 26(8):4148. Feb.1966. 241.8 M58
- 55639 SCOTT, J. D. Comments on direct seeding in Ontario. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:23-24. 1965. 99.9 M386
- 55640 SENCHUKOVA, G. V., and EMLEVSKAYA, A. G. Dates of maturity and collection of seeds of Dahurian larch in the Far East. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Sbornik Trudov 6:88-95. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:14. Nov.1965. Film S-203
- 55641 SHAPOVALOV, A. A., and PETROV, N. G. State and growth of trees in young windbreaks depending on features of planting material. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:284-289. 1965. 20 V91S
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:20-21. Nov.1965. Film S-203
- 55642 SHATALOV, V. G. Establishment of forests in the delta of the lower Don River. (Rus) Voronezh. Lesotekhnicheskii Institut. Sbornik Aspirantskikh Rabot 1:79-85. 1965. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:20. Nov.1965. Film S-203
- 55643 SHINKARENKO, I. B. Afforestation of sand dunes in the Dnieper River area of southern forest-steppe zone. (Rus) Lesovodstvo i Agrolesomeliorsiya 1:27-37. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:22. Nov.1965. Film S-203
- 55644 SKRYPKA, P. A., KOLTEV, V. I., and LISHENKO, A. A. Field protective afforestation at the Brilevskaya Experimental Station [Brilevskaya Opytnaya Stantsiya]. (Rus) In Vykorystannya zroshuvanykh zemel' 1965:253-259. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:21. Nov.1965. Film S-203
- 55645 SMIRNOVA, M. D. Effect of phosphorobacterin on rooting and growth of tree seedlings. (Rus) Akademiya Kommunal'nogo Khozyaistva. Nauchnye Trudy 33:101-103. 1964. (Not in Libr.)
Linden.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:33. Dec.1965. Film S-203
- 55646 SMITH, D. M. Summary and discussion of Symposium on Direct Seeding. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:115-119. 1965. 99.9 M386
- 55647 SMITH, G. E. The role of direct seeding in National Forest management. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964: 28-30. 1965. 99.9 M386
- 55648 SMITH, J. H. G., and others. Relative importance of seedbed fertilization, morphological grade, site, provenance, and parentage to juvenile growth and survival of Douglas fir. Forest. Chron. 42(1):83-86. Mar.1966. 99.8 F7623
A. Kozak, O. Sziklai, and J. Walters, joint authors.
- 55649 SMITH, W. H. Seasonal growth and nitrogen accumulation by loblolly pine (Pinus taeda L.) saplings. Diss. Abs. 26(9):4934-4935. Mar. 1966. 241.8 M58
- 55650 SMITHERS, L. A. Direct seeding in eastern Canada. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:15-23. Ref. 1965. 99.9 M386
- 55651 SMOGUNOVA, T. S. Regeneration of high oak forests of northwestern Caucasus. (Rus) Voronezh. Lesotekhnicheskii Institut. Sbornik Aspirantskikh Rabot 1:49-57. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:20. Dec.1965. Film S-203
- 55652 SOBINOV, A. M. Typical projects for establishments of forest plantations of fast growing species for Ukrainian SSR and for European part of Russian SFSR. (Rus) Povyshenie produktivnosti i sokhrannosti lesov 1964:392-399. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:18. Nov.1965. Film S-203
- 55653 SOWERS, D. W. Direct seeding experiments with Virginia pine in West Virginia. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:68-71. 1965. 99.9 M386
- 55654 STAROVA, N. V. Selection and varietal testing of poplars in Ukraine. (Rus) In Selekttsiya, in-troduktsiya i semenovodstvo drevesykh lesnykh porod 1964:40-48. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:16. Dec.1965. Film S-203

- 55655 STASTNY, T. Assessment of the 20 year old first international provenance experiment with *Larix* sp. from the year 1944 in the forest district Podbanske. Commun. Inst. Forest. Cech. 4:115-126. Ref. 1965. 99.9 P884
- 55656 STOYANOV, A. I. Container for transportation and storage of seedlings of trees and shrubs. (Rus) Les. Khoz. 10:80-81. Oct.1965. 99.8 L5622
- 55657 SYMPOSIUM on forest genetics; panel comments. In California. University. School of Forestry. Forestry in science and society, p.50-55. 1965. 99.9 C1272
Moderator: R. Z. Callaham; panel members: N. T. Mirov, W. B. Critchfield; and W. J. Libby.
Abstracts of panelists' comments.
- 55658 TADAKI, Y., KAMINAKA, S., and AKAGAWA, Y. Studies on competition of forest trees. V. Growth of *Cryptomeria japonica* cuttings in various densities on nursery bed. (Ja) Jap. Forest. Soc. J. 48(1):33-36. Jan.1966. 99.8 N62
- 55659 TOMOV, K. G. The influence of shade on poplar growth. (Bu) Gorsko Stopanstvo 20(12):10-12. Dec.1964. 99.8 G682
- 55660 TRYON, E. H. Direct seeding of black locust and oak in West Virginia. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:43-45. 1965. 99.9 M386
Robinia pseudoacacia and *Quercus*.
- 55661 TURLAKOV, P. Regeneration of coniferous and mixed coniferous-beech forests. (Bu) Gorsko Stopanstvo 20(12):4-10. Dec.1964. 99.8 G682
- 55662 TZSCHACKSCH, O. Investigation on the effect of phenological conditions of the graft stock on the growth results in oak graftings. (Ge) Sozialistische Forstwirtschaft. 16(1):7-10. Ref. Jan.1966. 99.8 W143
English summary, inside back cover.
Temperature and humidity effects, chiefly.
- 55663 U. S. FOREST. SERV. EASTERN TREE SEED LABORATORY. Annual report, 12th, 1965, by E. W. Belcher and R. G. Hitt. Macon, 1965. 67 p.,map. A99.9 T71
- 55664 UTKIN, A. I., NEKRASOV, V. I., and EMEL'YANOV, YU. M. Possibilities to increase productivity of larch-type forests in middle taiga area of Siberia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:40-53. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:23. Dec.1965. Film S-203
- 55665 VERACION, V. P., and FELIPE, G. J. A comparative study on the germination and early growth development of fresh and stored seeds of benguet pine (*Pinus insularis*, Endl.). Philippines. Bur. Forest. Occas. Pap. 24,6 p. Jan. 1966. 99.9 P5350
- 55666 VLASOV, A. V. Effect of high temperatures on drying speed of pine cones and quality of seeds. (Rus) Les. Khoz. 10:77-79. Oct.1965. 99.8 L5622
- 55667 VORONOVA, V. S. Distribution of reedgrass roots on cutover areas and their effect on regeneration of spruce. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchevanie seyantsev v pitomnikakh 1964:49-54. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:6-7. Nov.1965. Film S-203
- 55668 VORONOVA, V. S. To the problem of classification of forest vegetation on cutover areas of Karelia. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh 1964:22-32. (Not in Libr.)
In relation to regeneration.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:20. Dec.1965. Film S-203
- 55669 WEBB, C. D., and KRAUS, J. F. The status of progeny testing clones in the Georgia Forestry Commission seed orchards. Ga. Forest Res. Council. Ga. Forest Res. Pap. 36,5 p. Feb.1966. 99.9 G299G
- 55670 WIERSMA, N. Flowering of Norway spruce in Sweden in 1965. (Sw) Skogen [Stockholm] 52 (16):316-317, map. Aug.19,1965. 99.8 Sk51
- 55671 WINTER, G. H. Potential of direct seeding on large private ownerships. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:30-32. 1965. 99.9 M386
- 55672 YAKSHINA, A. M. Contribution to the methods of determination of respiration rate in the forest regrowth. (Rus) Bot. Zhur. [Moscow] 51 (1):83-92. Ref. 1965. 451 R923
Quercus, *Acer* and *Tilia*.
- 55673 ZÄHNER, R., and STAGE, A. R. A procedure for calculating daily moisture stress and its utility in regressions of tree growth on weather. Ecology 47(1):64-74. Ref. Winter 1966. 410 Ec7
- 55674 ZAVADIL, Z. Outdoor grafting of Douglas fir (*Pseudotsuga menziesii* Franco). Commun. Inst. Forest. Cech. 4:141-153. Ref. 1965. 99.9 P884
- 55675 ZGUROVSKAYA, L. N. Physiology of woody plants growing on marshes. (Rus) In Osobennosti bolotoobrazovaniya v nekotorykh lesnykh i predgornykh raionakh Sibiri i Dal'nego Vostoka 1965:114-140. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:5. Dec.1965. Film S-203
- 55676 ZHELTOV, N. M. Concrescence of live root systems of pine and aspen stands. (Rus) In O povysheniyu produktivnosti lesov TSCHER 1964:117-125. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:6-7. Dec.1965. Film S-203
- 55677 ZUBOV, YU. P. Regeneration of pine and larch on mineralized soils. (Rus) Dal'nevostochnyi Nauchno-Issledovatel'skii Institut Lesnogo Khozayaistva. Sbornik Trudov 6:219-231. 1964. 99.9 D162
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:20. Dec.1965. Film S-203

Forest Protection and Damage

- 55678 DRAGOEV, P. The natural food of deer in the Ludogorie Region. (Bu) Gorsko Stopanstvo 20 (10):27-29. Oct.1964. 99.8 G682
Chiefly forest trees.
- 55679 FREDRIKSEN, R. L. Christmas storm damage on the H. J. Andrews Experimental Forest. U. S. Forest Serv. Res. Note PNW-29,11 p., map. Aug.1965. A99.9 F7625U
Flood damage to watersheds.
- 55680 LADD, E. R. Small mammals on two direct seeded areas in Maine. Mass. Agr. Exp. Sta. Symp. Dir. Seeding Northeast. Proc. 1964:95-96. 1965. 99.9 M386
Mice and voles.
- 55681 STEMPLE, R. B. Radial increment response of white oak to locomotive smoke. W. Va. Acad. Sci. Proc. 37:55-56. 1965, pub.1966. 500 W52
Quercus alba.
- 55682 VAKUROV, A. D. Tree injuries caused by dusts and gases. (Rus) Agrokimiya 12:101-118. 1964. 385 Ag89
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:8. Dec.1965. Film S-203
- 55683 WORKING GROUP ON THE DAMAGE TO FOREST TREES BY THE EJECTA (JAPAN). Damage to forest trees by the Shinmoe-dake ejecta of the Kirishima Volcano Cluster, following eruption in 1959. (Ja) Jap. Forest Exp. Sta. Bull. 182:67-112, map. Oct.1965. 99.8 R47
English summary.

- 55684 ZAKHOV, S. Sanitary conditions of poplar forests on the Bogdan Island. (Bu) Gorsko Stopanstvo 20(10):24-26. Oct.1964. 99.8 G682 Protection.

Fire

- 55685 BAILEY, G. B. How effective are our fire laws? Pulp Pap. Mag. Can. 67(3):WR163-WR164,WR166-WR168,WR170. Mar.1966. 302.8 P96
- 55686 CATTO, A. T. The grid system for describing forest fire location. Pulp Pap. Mag. Can. 67(3):WR140,WR142-WR143,WR145,WR148-WR149,WR152.,map. Mar.1966. 302.8 P96
- 55687 CHESTER, G. S. Forest fire control—some modern aspects. Forest. Chron. 42(1):59-61. Mar.1966. 99.8 F7623
- 55688 CURITS, A. B. Lookout tower safety improved. Fire Contr. Notes [Washington] 27(1):6. Jan. 1966. 1 F766F1 Idaho.
- 55689 DELL, J. D. The fire-behavior team in action—the Coyote Fire, 1964. Fire Contr. Notes [Washington] 27(1):8-10,15,map. Jan.1966. 1 F766F1 California.
- 55690 DELL, J. D., and PHILPOT, C. W. Variations in the moisture content of several fuel size components of live and dead chamise [*Adenostoma fasciculatum*]. U. S. Forest Serv. Res. Note PSW-83,7 p. Ref. 1965. A99.9 F7652
- 55691 FOLKMAN, W. S. Residents of Butte County, California: their knowledge and attitudes regarding forest fire prevention. U. S. Forest Serv. Res. Paper PSW-25,32 p. Ref. 1965. A99.9 F7652P
- 55692 FOSBERG, M. A., and SCHROEDER, M. J. An example of nighttime drying in the Santa Ana mountains. U. S. Forest Serv. Res. Note PSW-74,6 p. 1965. A99.9 F7652 Determinant of forest fire behavior.
- 55693 GRAHAM, H. E. Improved system for using fire-weather forecasts. Fire Contr. Notes [Washington] 27(1):11,15. Jan.1966. 1 F766F1
- 55694 HOBSON, H. E. Forest protection co-ops. Truck Logger 22(4):41,43,45. Apr.1966. 99.81 T76 Forest fire control.
- 55695 KEET, J. D. M. The veld and forest fire laws of South Africa. S. Afr. Forest. J. 55:3-9. Dec.1965. 99.9 S082
- 55696 KITTELL, I. T. Air tanker retardant drop warning device. Fire Contr. Notes [Washington] 27(1):12,16. Jan.1966. 1 F766F1 Forest fire control.
- 55697 MCDONALD, R. Smokejumper and advanced fire control training in the California region. Fire Contr. Notes [Washington] 27(1):13-14. Jan.1966. 1 F766F1
- 55698 MIXON, J. E., and KITCHENS, J. H. When the south marched! Amer. Forests 72(3):36-41. Mar.1966. 99.8 F762 Forest fire control in the South.
- 55699 RADCLIFFE, D. N. Mars—now god of rain. Fire Contr. Notes [Washington] 27(1):3-5. Jan.1966. 1 F766F1 Aircraft in forest fire control in British Columbia.
- 55700 RADCLIFFE, D. N. New god of rain. Brit. Columbia Lumberman 50(3):72,74-75. Mar. 1966. 99.81 B77 Aircraft in forest fire control.
- 55701 RICHARDS, J. B. One cell fireline light. Fire Contr. Notes [Washington] 27(1):14. Jan.1966. 1 F766F1 For forest fire control.
- 55702 ROTHERMEL, R. C., and HARDY, C. E. Influence of moisture on effectiveness of fire retardants. U. S. Forest Serv. Res. Paper INT-18,32 p. 1965. A99.9 F764U Application of chemicals in forest, range, and brushland fires.

- 55703 VALENDIK, E. N. Protection of forests from fires in Krasnoyarsk Territory. (Rus) In Voprosy lesnoi promyshlennosti i lesnogo khozyaistva Sibiri 1964:130-159. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12-25. Dec.1965. Film S-203

- 55704 WAISEL, Y., and FRIEDMAN, J. The use of tamarisk trees for the restriction of fires. La-Yaaran 15(3):88-84. Sept.1965. 99.9 S019

Forest Influences

- 55705 AZMAIPARASHVILI, L. S. Role of age and composition of stand in water regulating and soil protecting properties of mountain forests. (Rus) Tiflis. Institut Lesa. Trudy 14:148-163. 1965. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:2. Nov.1965. Film S-203
- 55706 BARANOVSKII, I. D. Some problems of management of state forest belt Belgorod-Don. (Rus) Kharkov. Sel'skokhozyaistvennyi Institut. Nauchnye Trudy 45(83):94-102. 1964. 20 K528 Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:21. Nov.1965. Film S-203
- 55707 DRYUCHENKO, M. M. On climatic and hydrological importance of forests according to G. N. Vysotskii. (Rus) Les. Khoz. 10:13-15. Oct.1965. 99.8 L5622
- 55708 FEDOROVA, A. I. Use of Siberian larch in field protective belts in the Kemerovo Region. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:198-204. 1964. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:20. Nov.1965. Film S-203
- 55709 FFOLLIOTT, P. F., HANSEN, E. A., and ZANDER, A. D. Snow in natural openings and adjacent ponderosa pine [*Pinus ponderosa*] stands on the Beaver Creek watersheds. U. S. Forest Serv. Res. Note RM-53,8 p. Aug.1965. A99.9 F7632Us Arizona.
- 55710 KARAGODINA, I. L., PRONIN, G. A., and SOLDATKINA, S. A. Microclimate of parks of different landscapes. (Rus) Les. Khoz. 10:46-48. Oct.1965. 99.8 L5622
- 55711 MERINOV, G. P. Reconstruction of shelterbelts. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:262-269. 1965. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:21. Nov.1965. Film S-203
- 55712 MOIR, W. H. The influence of ponderosa pine [*Pinus ponderosa*] on herbaceous vegetation through shading, litter, and root competition. Diss. Abs. 26(9):4994-4995. Mar.1966. 241.8 M58
- 55713 OSTAPENKO, B. F., and KAZYUTA, N. R. Fifteen year old forest belts of forest school "Kommunist" and their field protective effectiveness. (Rus) Lesovodstvo i Agrolesomeliatsiya 4:80-86. 1965. (Not in Libr.) Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:20. Nov.1965. Film S-203
- 55714 PAVLOVSKII, E. S. Diagonal-group method of establishment of forest shelterbelts. (Rus) Voronezh. Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'no-Chernozemnoi Polosy. Sbornik Nauchnykh Rabot 3:270-276. 1965. 20 V91S Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:21. Nov.1965. Film S-203
- 55715 RUBTSOV, M. V. Width of forest belts along rivers in Leningrad Region. (Rus) Les. Khoz. 10:38-40,map. Oct.1965. 99.8 L5622 Water conservation.

- 55716 RUGGIERO, R. A. Weather adversities. D. Winds. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:93-94. Oct.1965. 9 Id3
Program for windbreak planting for crop protection in Argentina.
- 55717 SAVIN, E. N., and STUPNIKOV, V. G. Wind erosion and methods of growing shelterbelts in Khakasia. (Rus) Nauchnaya konferentsiya po izucheniyu lesov Sibiri i Dal'nego Vostoka. Materialy. Zashchitnoe lesorazvedenie 1965: 1-10. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:21. Nov.1965. Film S-203
- 55718 URIE, D. H. An analysis of the hydrologic budget in glacial sands under pine and hardwood forests. Diss. Abs. 26(8):4149-4150 Feb.1966. 241.8 M58
- Miscellaneous Forest Uses**
- 55719 BOYD, J. M. Linkage of research to wildlife management in East Africa. Sylva [Edinburgh] 46:18-19. 1965/66. 99.8 Sy53
In relation to forestry.
- 55720 BRANDER, R. B. Factors affecting dispersion of ruffed grouse during late winter and spring on the Cloquet Forest Research Center, Minnesota. Diss. Abs. 26(8):4145. Feb.1966. 241.8 M58
- 55721 CLINE, C. E. Competitor or companion: pulp and paper companies view of multiple land use. Amer. Pulpwood Ass. Tech. Pap., July 1965:4, 6. 99.9 Am33Te
- 55722 COWARDIN, L. M. Flooded timber as waterfowl habitat at the Montezuma National Wildlife Refuge. Diss. Abs. 26(9):4932. Mar.1966. 241.8 M58
- 55723 HALLS, L. K., and DELL, T. R. Trial of ranked-set sampling for forage yields. Forest Sci. 12(1):22-26. Mar.1966. 99.8 F7632
For estimating weight of browse and herbage in a pine forest.
- 55724 HUYCK, D. B. The national forests come alive: new vistas through VIS [Visitor Information Service]. Amer. Forests 72(4):12-16. Apr. 1966. 99.8 F762
Of the U. S. Forest Service.
- 55725 JOHNSON, W. M. Rotation, rest-rotation, and season-long grazing on a mountain range in Wyoming. U. S. Forest Serv. Res. Paper RM-14,16 p.,map. Aug.1965. A99.9 F7632U
For cattle feeding.
- 55726 KOSTOV, K. The development of forest parks in Bulgaria. (Bu) Gorsko Stopanstvo 20(10): 19-21. Oct.1964. 99.8 G682
- 55727 LINNARTZ, N. E., HSE, C. Y., and DUVALL, V. L. Grazing impairs physical properties of a forest soil in central Louisiana. J. Forest. 64(4):239-243. Ref. Apr.1966. 99.8 F768
- 55728 MAGILL, A. W., and TWISS, R. H. A guide for recording esthetic and biologic changes with photographs. U. S. Forest Serv. Res. Note PSW-77,8 p. 1965. A99.9 F7652
In forest recreational area research.
- 55729 MCCULLOCH, C. Y., WALLMO, O. C., and FFOLLIOTT, P. F. Acorn yield of Gambel oak [Quercus gambeli] in northern Arizona. U. S. Forest Serv. Res. Note RM-48,2 p. July 1965. A99.9 F7632Us
Food for wildlife.
- 55730 MOULOPOULOS, C. Role of forests in the economic development of a territory. (Fr) Mediterranee 6:108-116. Apr./June 1965. 281.8 M462
English summary.
Multiple use.
- 55731 OLSSON, S. G. Private forests and public recreation. Forest Farmer 25(6):10,14. Mar. 1966. 99.8 F7692
- 55732 REINA, A. Livestock and the State Administration for Public Forests [Azienda di Stato per le Foreste Demaniali]. (It) Agricoltura 14(9):67-71. Sept.1965. 16 Ag8226
Pasture program for lands coming within the forest domain.
- 55733 REISKE, R. F. Soil landscapes, an index to multiple use. J. Forest. 64(4):230-235,map. Ref. Apr.1966. 99.8 F768
West Virginia.
- 55734 ROMEISER, G. C. Effects of multiple use of hardwood lands—from the lumber industry's view. Amer. Pulpwood Ass. Tech. Pap., Apr. 1965:25-27. 99.9 Am33Te
Southern States.
- 55735 SPRINGFIELD, H. W. Adaptability of forage species for pinyon-juniper sites in New Mexico. U. S. Forest Serv. Res. Note RM-57,4 p. Nov.1965. A99.9 F7632Us
Range management.
- 55736 U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Forage, timber, and wildlife research in the Georgia flatwoods, by G. A. Smyth. Asheville, N.C., 1965. 16 p. A60.1 F764
Research done at Georgia Coastal Plain Experiment Station at Tifton, Georgia.
- FOREST INDUSTRIES AND TRADE**
- 55737 GULDAHL, C. E. Norwegian forest industries in 1965 in figures. (No) Norsk Skogindus. 20 (2):38-43. Feb.1966. 99.82 N81
- 55738 GUTTENBERG, S. Present and future status of the Midsouth's hardwood. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:23-25,map. 99.9 Am33Te
- 55739 HODGES, R. D. The forest industry and social needs. In California. University. School of Forestry. Forestry in science and society, p.33-37. 1965. 99.9 C1272
- 55740 HOLLAND, C. O. Living in the promised land. Ala. Forest Prod. 9(4):7-9. Apr.1966. 99.82 AL1
Forest industries outlook.
- 55741 MACGREGOR, J. J. Development of African primary products and international trade in timber. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:181-201. 1965. 286.9 In86
- 55742 MIDTOMME, R. Forestry and forest industries in South Africa. (No) Norsk Skogindus. 20(2):55-58. Feb.1966. 99.82 N81
Chiefly forest industries.
- 55743 OSARA, N. A. Scandinavian forest industry in the world picture. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):145-155. 1965. 99.8 Sk5
- 55744 SCHOLANDER, A., and LUNDBERG, H. The forest industry and the future. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):157-178. 1965. 99.8 Sk5
Discussion, p.179-187.
- 55745 SQUIRES, J. W. Recent developments in Mississippi forest industries. Miss. Banker 50 (10):24,26. Mar.1966. 284.8 M69
- 55746 TIMBER TRADE FEDERATION OF THE UNITED KINGDOM. Analysis of U.K. timber imports by ports of entry together with Irish Republic, 1964 (including comparable figures for 1938, 1962 and 1963). London, 1965. 4 p. 99.9 T483A
- 55747 TOWER, J. L. Telling the forest industry story. Ala. Forest Prod. 9(4):16-17,20-21,24-26. Apr.1966. 99.82 AL1
- Lumbering and Logging**
- 55748 BARRETT, P. N. Rubber-tired skidders on unfrozen swamps. Pulp Pap. Mag. Can. 67(4): WR222,WR224,WR226,WR228. Apr.1966. 302.8 P96
- 55749 BERLYN, R. W. Bark removal studies at the Institute [Pulp and Paper Research Institute of Canada] Trend 7:10-13. Spring 1966. 302.8 T72

- 55750 BERNETTI, G. The forest road network as management problem. (It) Ital. Forest. Mont. 20(6):261-267. Ref. Nov./Dec.1965. 99.8 It12 French summary.
- 55751 BINKLEY, V. W. Economics and design of a radio-controlled skyline yarding system. U. S. Forest Serv. Res. Paper PNW-25,30 p.,map. 1965. A99.9 F7625Uni Oregon.
- 55752 BLACKFORD, J. Pulpwood harvesting now and twenty years from now. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:4-6,8-10. 99.9 Am33Te
- 55753 BRUNET, R. Modern techniques in forest exploitation. (Fr) Cah. Ingen. Agron. 198:9-16. Aug./Sept.1965. 14 C112 Includes logging equipment in France.
- 55754 DUNCAN, J. Salt as stabilizer for gravel -- roads. Amer. Pulpwood Ass. Tech. Pap., Jan. 1965:16-17. 99.9 Am33Te
- 55755 GAYER, R. J. Soil-cement: low cost road-building material. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:12-13. 99.9 Am33Te
- 55756 GEORGIEV, T. Labor rates in cutting coniferous trees with motor-driven saws. (Bu) Gorsko Stopanstvo 20(11):33-38. Nov.1964. 99.8 G682
- 55757 HEDIN, A. Planning of logging in a forest area. (Sw) Lantmannen 76(20):8-9. Oct.2,1965. 11 L234
- 55758 HERRICK, O. W., and WHEELAND, H. A. Harvesting costs and returns on a mechanized logging operation in southeast Kentucky. U. S. Forest Serv. Res. Note CS-42,6 p. Dec.1965. A99.9 F7629
- 55759 HILF, H. H. Suggested time estimation for wood cutter's wage tariff. (Ge) Forstarchiv 37 (2):41-52. Ref. Feb.1966. 99.8 F7723
- 55760 HORNIBROOK, E. M., and HOWDEN, W. R. Top utilization of timber cut in California, 1964. U. S. Forest Serv. Res. Note PSW-85, 9 p. 1965. A99.9 F7652
- 55761 JAGER, E. A. Application of timely calculation experiments for optimal log transportation and for determining rentability in the wood industry. III-IV. (Ge) Holzindustrie 18(12):342-345; 19(1):3-5. Dec.1965-Jan.1966. 99.82 H742
- 55762 JANLOV, C. E. Transport planning and the road maintenance problem in forestry. (Sw) Svenska Skogsvardsforen. Tidskr. 63(2):201-213,map. Ref. 1965. 99.8 Sk5
- 55763 JARRETT, G. Looking at trailers. Chartered Land Agents' Soc. J. 65(3):93-98. Mar.1966. 282.9 L22 For timber extraction and transport in Great Britain.
- 55764 JOHANSSON, B. Logging the whole year? (Sw) Lantmannen 76(20):18-19. Oct.2,1965. 11 L234
- 55765 KALIMEROV, M. A new stage in the utilization of Vissen cableways. (Bu) Gorsko Stopanstvo 20(11):29-32. Nov.1964. 99.8 G682 Log hauling.
- 55766 KEIL, B. Rubber-tired rigs solve logging problems in B. C. Forest Indus. 93(4):56-59. Apr.1966. 99.81 W52
- 55767 LANG, G. W. Manpower problems in the logging industry. Employment Serv. Rev. 3(4):14-15. Apr.1966. 158.3 Em72
- 55768 MACE, E. Logging road construction by independent operators. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:15-16. 99.9 Am33Te
- 55769 MANN, C. N. Forces in balloon logging. U. S. Forest Serv. Res. Note PNW-28,5 p. Aug.1965. A99.9 F7625U
- 55770 MARINOV, T. K. Possibilities for a more economic utilization of DT-54 tractors. (Bu) Gorsko Stopanstvo 20(11):16-20. Nov.1964. 99.8 G682 Chiefly in hauling work.
- 55771 MATEEV, A. The need for more progressive technology in timber production and transport. (Bu) Gorsko Stopanstvo 20(12):20-23. Dec. 1964. 99.8 G682
- 55772 MOODIE, R. L. A system of tree length pulpwood harvesting. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:17-18. 99.9 Am33Te
- 55773 MOONEY, E. R. Long-distance hauling of tree-length pulpwood. Pap. Trade J. 150(14):40-41. Apr.4,1966. 302.8 P196
- 55774 MORIOKA, N. On the relation between the length of span and the operation cost in cable-skidding. (Ja) Jap. Forest. Soc. J. 47(11):392-395. Nov.1965. 99.8 N62 English summary.
- 55775 MUGEV, V. Results of utilization of Valtellina cableway without employing motors. (Bu) Gorsko Stopanstvo 20(12):34-35. Dec.1964. 99.8 G682
- 55776 NEWNHAM, R. M. A simulation model for studying the effect of stand structure on harvesting pattern. Forest. Chron. 42(1):39-44. Ref. Mar.1966. 99.8 F7623
- 55777 PEICHINOV, G. Use of prongless type of transportation. (Bu) Gorsko Stopanstvo 20(11):21-22. Nov.1964. 99.8 G682 Logs.
- 55778 PHILLIPS, H. D. Forestry aspects of logging with rubber-tired skidders. Amer. Pulpwood Ass. Tech. Pap., Jan.1964:10-12. 99.9 Am33Te
- 55779 SEGERSTROM, G. News on road transportation. (Sw) Lantmannen 76(20):29,31. Oct.2, 1965. 11 L234 Forest roads.
- 55780 SIVONEN, S. Machine costs in logging with power saw in Finland in 1951-1963. Finland. Metsantutkimuslaitos. Julkaisuja 59,40 p.,map. 1965. 99.9 F493
- 55781 SLAVOV, S. The tasks of trade union of loggers and forest industry workers. (Bu) Gorsko Stopanstvo 20(10):1-3. Oct.1964. 99.8 G682
- 55782 SMITH, D. C. A history of lumbering in Maine, 1860-1930. Diss. Abs. 26(9):5113. Mar.1966. 241.8 M58
- 55783 SODERLUND, J. Does the farm tractor have a future in the forest? (Sw) Lantmannen 76 (20):4-7. Oct.2,1965. 11 L234 Log transportation.
- 55784 SPEIDEL, G. The effect of felling formula indicators on yield development of working group models. (Ge) Forst- Holzwirt 21(3):53-56. Feb.8,1966. 99.8 F7724
- 55785 STOECKELER, E. G. Airphotos are helpful tools in planning logging road networks. Amer. Pulpwood Ass. Tech. Pap., Jan.1965:13-14. 99.9 Am33Te
- 55786 UEDA, M., SAITO, T., and TOMINAGA, M. Studies on the main cable in sky-line logging. II. On the variation of tension of the cable for logging over a hill. (Ja) Jap. Forest Exp. Sta. Bull. 174:1-58. Feb.1965. 99.8 R47 English summary.
- 55787 VORY, J. Long-distance transport of wood for the forest industry, 1962-1964. Finn. Pap. Timber 17(1/2):8-9. 1966. 302.8 F49
- 55788 WOLF, J. Comparing skidding costs for crawler tractors. Amer. Pulpwood Ass. Tech. Pap., July 1965:24. 99.9 Am33Te

Sawmills

- 55789 CANADA, BUR. OF STATISTICS. INDUSTRY DIV. Sash, door and planing mills (excluding hardwood flooring) 1963. Ottawa, 1966. 33 p. (Annual census of manufactures) 253 C335Sa Text also in French.
- 55790 CHARDIN, A. The future of sawing in France. (Fr) Cah. Ingen. Agron. 198:17-21. Aug./Sept. 1965. 14 C112
- 55791 FUKUI, H. Some problems in and the mechanics of circular sawing. 2. (Ja) Wood Indus. 20 (12):18-23. 1965. 99.82 M72

- 55792 GILMER, W. D. Liaison between mill and woodlands. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:4. 99.9 Am33Te
- 55793 GOLUBOVIC, U. The functional relation of the cost price and of the basic-technological working time in the processing of 1 cu.m. fir sawlogs with primary machines on the working-plan diameter subclasses. (Se) Sumarski List 89(9/10):418-437. Ref. Sept./Oct.1965. 99.8 Su6
English summary.
- 55794 HALLOCK, H. Better quality study by FPL [Forest Products Laboratory] improved sawing method. Southern Lumberman 212(2638):17-19. Mar.15,1966. 99.81 So82
- 55795 HANSLIAN, L., and KADLEC, K. Wood as industrial harmful material. 1-2. (Ge) Holzindustrie 19(1):19-22; (2):53-56. Ref. Jan.-Feb. 1966. 99.82 H742
Chiefly health hazards of sawdust.
- 55796 HOWE, T. H. Changing philosophies in mill management. Pulp Pap. Mag. Can. 67(3):79-83. Mar.1966. 302.8 P96
- 55797 HURTER, A. M., and JELINEK, V. Wood-handling and preparation at the mills—lay-out requirements. Pulp Pap. Mag. Can. 67(3):T179-T184. Mar.1966. 302.8 P96
- 55798 JAPAN WOODWORKING MACHINERY ASSOCIATION. Maintenance of sawmill machinery. 10. (Ja) Wood Indus. 20(12):42-46. 1965. 99.82 M72
- 55799 KLOSS, R. Critical observations on the use of vertical frame saws and log band sawing machines in hardwood sawmills. (Ge) Holzindustrie 18(12):337-340. Dec.1965. 99.82 H742
- 55800 KONISHI, C. Erecting and operating gang saws. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(157):1-6. Feb.1965. 99.9 As12S
- 55801 LONKAI, J. Most important tasks in technological development of the sawmill and veneer industry. (Hu) Faipar 16(1):1-6. Jan.1966. 99.82 F14
- 55802 MCCAULEY, O. D. Cause and cost of production delay at hardwood circular sawmills in Kentucky and Ohio. U. S. Forest Serv. Res. Note CS-43,4 p. Dec.1965. A99.9 F7629
- 55803 OHARA, M. Gang saws and sawing. 2. (Ja) Wood Indus. 20(12):14-17. 1965. 99.82 M72
- Processing and Woodworking**
- 55804 BELLEI, S. Woodworking machines from Carpi to the Middle East. (It) Modena 72(1):26-31. Jan.1966. 280.9 M722
- 55805 HELLAWEELL, C. R. Mechanical fastenings and timber jointings in New Zealand. T.D.A. (Timber Develop. Ass.) Bull. 2(3):3-4. Aug. 1965. 99.8 T48
- 55806 PENICK, E. B. Turning for profit; an application of operations research techniques to a wood-turning plant. Forest Prod. J. 16(1):24-27. Jan.1966. 99.9 F7662J
- 55807 SOLOV'EV, A. Kinematics of vibratory cutting. 10 p. Transl. 15860
Wood.
Translation from Lesnoi Zhurnal 6:114-124. 1962.
- 55808 STANGER, A. G. Some research in New Zealand on the properties of glued joints in timber. T.D.A. (Timber Develop. Ass.) Bull. 2(3):4-6. Aug.1965. 99.8 T48
- Seasoning, Conditioning and Finishing**
- 55809 BARQUEST, G. D., and BLACK, J. M. A low-cost exterior wood finishing technique. Amer. Soc. Agr. Eng. Pap. 927,9 p. 1965. 290.9 Am32P
- 55810 CZEPEK, E. The cost of high frequency drying. (Ge) Holztechnik 46(3):124-125. Mar. 1966. 99.82 H745
- 55811 DOBIE, J., MCBRIDE, C. F., and PARRY, H. W. Kiln-drying losses in western hemlock and balsam fir [*Abies amabilis*]. Brit. Columbia Lumberman 50(3):94-96,98. Mar.1966. 99.81 B77
- 55812 HANN, R. A. An investigation of the drying of wood at temperatures above 100 degrees centigrade. Diss. Abs. 26(8):4146-4147. Feb. 1966. 241.8 M58
- 55813 HOLLAND, C. J. The changing face of wood sanding. Wood Wood Prod. 71(4):34,36. Apr. 1966. 99.82 W856
Resin bonded abrasives.
- 55814 IGI, H. Urethane resins and acrylic esters resins. (Ja) Wood Indus. 20(11):38-41. 1965. 99.82 M72
Paints and varnishes.
- 55815 KOSUGI, K., and KAMADA, S. An economic survey on seasoning Quercus lumber. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(157):16-17. Feb.1965. 99.9 As12S
- 55816 POUND, J. Common shortcomings with R.F. heating. Wood [London] 31(3):45-47. Mar. 1966. 99.82 W855
- 55817 TURNER, A. Continuous painting of wooden surfaces. Wood [London] 31(2):44-45. Feb. 1966. 99.82 W855
- Wood Preservation and Damage**
- 55818 BLEW, J. O. Performance of treated oak crossties. Cros Tie Bull. 47(3):7-10,12-18,20. Ref. Mar.1966. 99.82 C87
- 55819 BOOCOCK, D. "Woodtreat" a BMT [bodied mayonnaise type] emulsion preservative. 1. Wood [London] 31(3):41-44. Mar.1966. 99.82 W855
- 55820 JACQUIOT, C. Wood preservation. (Fr) Cah. Ingen. Agron. 198:41-47. Aug./Sept.1965. 14 C112
In France.
- 55821 JOHANSSON, A. Summer logging of pulpwood with bark not removed. (Sw) Svenska Skogsvarvdsforen. Tidskr. 63(4):379-387. 1965. 99.8 Sk5
In connection with fungi and insect attacks.
- 55822 KLOOT, H. Measuring soft rot in cooling tower slats; a new technique. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 326:1-2. Jan./Feb.1966. 99.9 Au722F
- 55823 KRANGAUZ, R. Main decays of the construction wood. (Rus) Zashch. Rast. Vred. Boleznei 3:34-35. 1965. 421 Z1
- 55824 MIZUMOTO, S. The effect of decay caused by *Gloeophyllum trabeum* on the strength properties of Japanese red pine sap-wood. Jap. Forest. Soc. J. 48(1):7-11. Jan.1966. 99.8 N62
Pinus densiflora wood.
- 55825 NISHIMOTO, K. Studies on the organo tin compounds as the wood preservatives. XI. On the protection beech green logs from insect and fungus attacks. 2. (Ja) Wood Res. [Kyoto] 36:1-12. Dec.1965. 99.82 W8524
English summary.
- 55826 PETRENKO, I. A. Resistance of sapwood and heartwood of Siberian larch to dry rot fungi. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:261-264. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:7-8. Nov.1965. Film S-203
- 55827 RICHARDSON, N. A. Creosote as a wood preservative. Chartered Land Agents' Soc. J. 65(3):112-116. Mar.1966. 282.9 L22
- 55828 SCHOLTEN, J. A. Effects of various preservative treatments of field boxes on nail holding. U. S. Forest Serv. Res. Paper FPL 42,8 p. Oct.1965. A99.9 F7634U
Ponderosa pine.

- 55829 SELBO, M. L., KNAUSS, A. C., and WORTH, H. E. 20 years of service prove durability of pressure-treated Glulam bridge timbers. Wood Preserv. News 44(4):10-12,14. Apr.1966. 300.8 W853
- 55830 SHIBAMOTO, T., and INOUE, Y. A testing method for the pretreatment of lumber with fungi and insect controlling agents. (Ja) Wood Indus. 20(12):2-5,9. 1965. 99.82 M72
- 55831 UJIE, M. Hemicellulose of Picea jezoensis decayed by Fomitopsis pinicola. (Ja) Hokkaido Univ. Coll. Exp. Forests, Res. Bull. 24(1):275-289. Ref. 1965. 99.9 H68
English summary.

FOREST PRODUCTS

- 55832 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, DIV. OF FOREST PRODUCTS. Annual report, 1964-65. Melbourne, 1965. 66 p. 99.9 Au722R
- 55833 CANADA, BUR. OF STATISTICS. Miscellaneous wood industries, 1963. Ottawa, 1966. 31 p. (Annual Census of Manufactures) 253 C335Miw
Text also in French.
- 55834 CANADA, FOREST DEPT. FOREST PRODUCTS RESEARCH BR. Annual report, April 1964 to March 1965. Ottawa, 1965. 69 p. 99.9 C1629A
- 55835 COLLARDET, J. Perspectives in future development of wood industries. (Fr) Cah. Ingen. Agron. 198:54-56. Aug./Sept.1965. 14 C112
In France.
- 55836 DALOCSA, G. Problems relating to development of wood processing industry. (Hu) Fairpar 16(1):21-27. Jan.1966. 99.82 F14
- 55837 FITZGERALD, R. C. Indicator ratios: forest products industries. Forest Prod. J. 15(5): 191-196. Ref. May 1965. 99.9 F7662J
Cost accounting.
- 55838 GREGORY, G. R. Estimating wood consumption with particular reference to the effects of income and wood availability. Forest Sci. 12 (1):104-117. Ref. Mar.1966. 99.8 F7632
Worldwide.
- 55839 MOORE, J. E. Trees to sell?—see a forester. Amer. Forests 72(3):21-27. Mar.1966. 99.8 F762
Includes guide to information on forest management and marketing.
- 55840 RAFTER, A. W. Economic use of wood in B. C. Pulp Pap. Mag. Can. 67(3):WR171-WR172. Mar.1966. 302.8 P96
- 55841 RICH, S. U. Changing marketing requirements of the forest products industry. Oreg. Bus. Rev. 25(3):1-7. Mar.1966. 280.8 Or34
- 55842 STREHLKE, B. Zur Frage des Nichtaufarbeitens von Laub-Schichtderbholz im Kronenbereich [The problem of non-utilization of topwood of hardwood]. Forsttech. Inform. 2,14 p. Feb.1966. 99.8 F7794
- 55843 THOMPSON, W. S. Research in forest products. Miss. Banker 50(10):20,22. Mar.1966. 284.8 M69

Lumber and Rough Products

- 55844 COLE, A. B. Hardwood log grading at circular sawmills. U. S. Forest Serv. Res. Note CS-41,4 p. Dec.1965. A99.9 F7629
Ohio and Kentucky.
- 55845 FRAZIER, G. D. Estimated demand for lumber and plywood in Hawaii by the year 2000. U. S. Forest Serv. Res. Paper PSW-23,9 p. 1965. A99.9 F7652P
Consumption.
- 55846 HANKS, L. F. Adventitious bud clusters do not degrade black cherry logs. U. S. Forest Serv. Res. Note CS-44,6 p. Dec.1965. A99.9 F7629

- 55847 HERRICK, O. W., and CHRISTENSEN, W. W. Geographic destination and market outlets for lumber produced by Kentucky sawmills. U. S. Forest Serv. Res. Note CS-45,8 p.,map. Dec. 1965. A99.9 F7629
- 55848 KANO, T., and others. On the quality of larch timber (Larix leptolepis Gordon). 2. Natural variation of timber quality and influence of stand conditions upon the quality of squares. (Ja) Jap. Forest Exp. Sta. Bull. 182:113-147. Oct.1965. 99.8 R47
S. Nakagawa, H. Saito, S. Oda, and Y. Shigematsu, joint authors.
English summary.
- 55849 KER, J. W. The measurement of forest products in Canada: past, present and future, historical and legislative background. Forest. Chron. 42(1):29-38. Mar.1966. 99.8 F7623
Log scaling practices.
- 55850 LEMBKE, C. A. Critical comment on yesterday and today, and what of tomorrow? Australian Timber J. Building Prod. Mechandiser 32 (1):41,45,47,49,51. Feb.1966. 99.81 Au7
Timber industry.
- 55851 MASSIE, M. R. C. Marketing timber products in selected areas of the North Central Region. Diss. Abs. 26(8):4147. Feb.1966. 241.8 M58
- 55852 MIDTOMME, R. Swedish and Norwegian log and pulpwood prices 1965/66. (No) Norsk Skogindus. 20(3):81-82. Mar.1966. 99.82 N81
- 55853 MOSS, A. A field trial of weight-scaling. Forest. Chron. 42(1):62-68. Mar.1966. 99.8 F7623
Logs.
- 55854 NEUBAUER, L. W., and TEKINEL, O. A more efficient column formula for the design of wooden posts and studs. Amer. Soc. Agr. Eng. Pap. 904,6 p. Ref. 1965. 290.9 Am32P
- 55855 AN OLD industry with a new look. Cross Tie Bull. 47(1):16,18,20-27. Jan.1966. 99.82 C87
Panel discussion; moderator: D. Grymes; panel members: R. H. White, D. B. Frampton, H. Webster, and R. G. Jengel.
Railway ties.
- 55856 RAILWAY TIE ASSOCIATION. Standing committees for 1966. Cross Tie Bull. 47(3):22,24. Mar.1966. 99.82 C87
- 55857 RINYA KYOSAIKAI. Mokuzai seisan ruinen tokei, Meiji 32-Showa 38 nen [Statistics of lumber production, 1889-1963]. Tokyo, 1965. 237 p. SD551.R5
- 55858 SCHUSTER, E. Accomplishments on the Rumanian wood industry. (Ge) Holzindustrie 19 (1):1-2. Jan.1966. 99.82 H742
- 55859 SHERMAN, D. It's industry's move in standards game. Forest Indus. 93(4):39. Apr.1966. 99.81 W52
Lumber.
- 55860 SHIOKURA, T. The timber industry in Africa. (Ja) Wood Indus. 20(12):28-31, map. 1965. 99.82 M72
- 55861 STERN, E. G. Effectiveness of T-beams. Wood [London] 31(3):39-40. Mar.1966. 99.82 W855
Includes testing of stress.
- 55862 UTLEG, J. L. Forester describes Philippine industry progress. World Wood 7(2):24-25,31. Apr.1966. 99.8 W89
Lumber.

Construction

- 55863 BESSET, J. Wood industries. (Fr) Cah. Ingen. Agron. 198:27-35. Aug./Sept.1965. 14 C112
Chiefly construction and furniture in France.
- 55864 GULOWSEN, K. T. "Finger joint," come down to earth! (No) Norsk Skogindus. 20(3):96-97. Mar.1966. 99.82 N81
Building material.
- 55865 KOLLMANN, F. Wood as construction material of the future. 10 p. Transl. 15847
Translation from Holz-Zentralblatt, June 18, 1965.

- 55866 MASANI, N. J., BAJAJ, A. N., and GOVIL, D. K. Timber bridges for rural areas series II (span 7 and 8 metres). *Indian Forest*. 92(2): 89-108. Feb. 1966. 99.8 In2
Reprinted from "Vishwakarma" 6(2). 1965.
- 55867 MONCK, W. Use of glued, freely suspended wood constructions. (Ge) *Holzindustrie* 19(2): 48-52. (Cont.) Feb. 1966. 99.82 H742
- 55868 PIRIE, D. I. Timber and the architect. *Sylva* [Edinburgh] 46:10-11. 1965/66. 99.8 Sy53
- 55869 ZAHN, J. J. Lateral stability of deep beams with shear-beam support. U. S. Forest Serv. Res. Paper FPL 43,30 p. Oct. 1965. A99.9 F7634U
Wooden roof and floor systems.

Veneers, Plywood and Adhesives

- 55870 AUGUSZT, G. Some gluing peculiarities in the use of polyester resins for honeycomb construction methods. (Ge) *Holzindustrie* 18(12): 345-350. Ref. Dec. 1965. 99.82 H742
- 55871 CANADA. BUR. OF STATISTICS. Veneer and plywood mills 1963. Ottawa, 1966. 27 p. (Annual Census of Manufactures) 253 C335Ve
- 55872 GOODMAN, J. R. Timber systems with inter-layer slip. *Amer. Soc. Agr. Eng. Pap.* 905, 12 p. 1965. 290.9 Am32P
- 55873 KAWAMURA, J. Studies on the resin sheet overlay. 8. On the exterior weathering test of painted phenolic resin sheet overlaid plywood. (Ja) *Jap. Forest Exp. Sta. Bull.* 182:149-172. Ref. Oct. 1965. 99.8 R47
English summary.
- 55874 KHRULEV, V. M. Functional expression of the results of accelerated and gradual aging of the glued joints of bonded wood. 5 p. Transl. 15844
Translation from *Derevoobrabatvyvayushchaya Promyshlennost'* 13(11):15-17. 1964.
- 55875 KRAMES, U. Defects on veneers during production and processing as well as on finished products under simultaneous consideration of the core materials. (Ge) *Holzforsch. Holzverwertung* 17(6):100-107. Ref. Dec. 1965. 99.9 Os72
English summary.
- 55876 KUENZL, E. W. Minimum weight structural sandwich. U. S. Forest Serv. Res. Note FPL-086, rev., 14 p. Oct. 1965. A99.9 F7634Un
Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.
- 55877 MANETSCH, T. J. Simulation and systems analysis of the United States softwood plywood industry. Diss. Abs. 26(3):1523. Sept. 1965. 241.8 M58
- 55878 MERILUOTO, J. Raw material factors in the furning of birch veneer. I. (Fi) *Pap. Puu* 48 (2):43-52. Feb. 28, 1966. 302.8 P1991
English summary.
- 55879 NAKARAI, Y., and TSUKAYA, Y. Influence of the variation in the thickness of different veneers in one-pieced core sheet on the adhesive strength of plywood. (Ja) *Wood Indus.* 20(12): 24-27. 1965. 99.82 M72
English summary.
- 55880 NORIMOTO, M., TAKAHARA, S., and YAMADA, T. Rheology of formation of resin layer on wood surface. 1. (Ja) *Wood Res.* [Kyoto] 36:23-32. Dec. 1965. 99.82 W8524
English summary.
- 55881 POUND, J. Low voltage heating calculations. *Wood* [London] 31(2):46-48. Feb. 1966. 99.82 W855
Wood gluing.
- 55882 RAMSING, K. D. A linear programming model for the allocation of logs for the manufacture of an optimum plywood mix. Diss. Abs. 26(9): 5102. Mar. 1966. 241.8 M58

- 55883 YAZAWA, K., and others. Studies on the laminated woods made from various hardwoods grown in Hokkaido. 2. Straight laminated wooden beams made from ezo-itaya (*Acer* sp.), buna (*Fagus* sp.), harunire (*Ulmus* sp.) and coniferous woods. (Ja) *Hokkaido Univ. Coll. Exp. Forests. Res. Bull.* 24(1):235-274. 1965. 99.9 H68
H. Miyajima, K. Bito, R. Hayashi, and K. Ito, joint authors.
English summary.

Furniture

- 55884 JOHNSON, J. S. When you buy wood furniture. *Ark. Univ. Ext. Leaf.* 316, rev., 8 p.-folder. Nov. 1965. 275.29 Ar4Le

Containers

- 55885 BOONE, R. S. The market for lumber and other wood products in Hawaii's transportation industry. U. S. Forest Serv. Res. Note PSW-86, 4 p. 1965. A99.9 F7652
Pallets and vegetables and fruit containers.
- 55886 CANADA. BUR. OF STATISTICS. INDUSTRY DIV. Wooden Box Factories, 1963. Ottawa, 1966. 27 p. (Annual census of manufactures) 253 C335Wo
Text also in French.
- 55887 MONCK, W. Hyperbolic-parabolic wood super-ficies. (Ge) *Holzindustrie* 18(12):352-355. 19(1):7-10. Dec. 1965-Jan. 1966. H742

Pulp and Paper

- 55888 ALDRED, F. C. Some problems of pulp production in developing countries. *Norsk Skog-indus.* 20(2):48-53. Feb. 1966. 99.82 N81
- 55889 AMERICAN PULPWOOD ASSOCIATION. AP-PALACHIAN TECHNICAL COMMITTEE. Meeting, held May 11, 1965, Arlington, Virginia. *Amer. Pulpwood Ass. Tech. Pap.*, July 1965:18-24. 99.9 Am33Te
Selected papers presented.
- 55890 AMERICAN PULPWOOD ASSOCIATION. SOUTHEASTERN TECHNICAL COMMITTEE. Meeting, held April 14, 1965, Atlanta, Georgia. *Amer. Pulpwood Ass. Tech. Pap.*, July 1965:11-18. 99.9 Am33Te
Selected papers presented.
- 55891 AMERICAN PULPWOOD ASSOCIATION. SOUTHEASTERN TECHNICAL COMMITTEE. Meeting, held November 10-12, 1964, Jacksonville, Florida. *Amer. Pulpwood Ass. Tech. Pap.*, Apr. 1965:4-6, 8-10, 11-19. 99.9 Am33Te
Selected papers presented.
- 55892 AMERICAN PULPWOOD ASSOCIATION. SOUTHWESTERN TECHNICAL COMMITTEE. Meeting, held November 18-19, 1964, Jackson, Mississippi. *Amer. Pulpwood Ass. Tech. Pap.* July 1965:4, 6-8, 10. 99.9 Am33Te
Selected papers presented.
- 55893 AMERICAN PULPWOOD ASSOCIATION. SOUTHWESTERN TECHNICAL COMMITTEE. Meeting, held November 18-19, 1964, Jackson, Mississippi. *Amer. Pulpwood Ass. Tech. Pap.*, Apr. 1965:20-28. 99.9 Am33Te
Selected papers presented.
- 55894 AMERICAN PULPWOOD ASSOCIATION. WESTERN TECHNICAL COMMITTEE. Meeting held October 7-8, 1964 at Coos Bay, Oregon. *Amer. Pulpwood Ass. Tech. Pap.*, Jan. 1965:4, 6-19. 99.9 Am33Te
Selected papers presented.
- 55895 ANNERGREN, G., and BACKLUND, A. Continuous sulphite cooking. *Pulp Pap. Mag. Can.* 67(4):T220-T224. Apr. 1966. 302.8 P96
- 55896 BAREFOOT, A. C., HITCHINGS, R. G., and ELLWOOD, E. L. Wood characteristics and kraft paper properties of four selected loblolly pines. III. Effect of fiber morphology in pulps examined at a constant permanganate number. *TAPPI (Tech. Ass. Pulp Pap. Indus.)* 49(4):137-147. Apr. 1966. 302.8 T162

- 55897 BERZINS, V. Micro kappa numbers. Pulp Pap. Mag. Can. 67(3):T206-T208. Mar.1966. 302.8 P96
For lignin determination in pulp.
- 55898 CASTAGNE, M. R. Pulpwood consumption heads for another record year. Amer. Pap. Indus. 48(1):57. Jan.1966. 302.8 P1923
- 55899 COLE, D. E., ZOBEL, B. J., and ROBERTS, J. H. Slash, loblolly, and longleaf pine in a mixed natural stand; a comparison of their wood properties, pulp yields, and paper properties. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(4):161-166. Apr.1966. 302.8 T162
- 55900 CROSSLEY, N., and OGUNLE, O. A. Studies on the suitability of Nigerian raw materials for paper making. VIII. *Nauclea diderrichii* (De. Wild and Th. Dur.) Merrill, November 1964. Nigeria. Fed. Inst. Indus. Res. Res. Rep. 30, 11 p. Ref. Nov.1964. 297.9 Os4
- 55901 CROSSLEY, N., and OGUNLE, O. A. Studies on the suitability of Nigerian raw materials for paper making. XI. *Eucalyptus torelliana* F.V.M., May 1965. Nigeria. Fed. Inst. Indus. Res. Res. Rep. 35, 10 p. Ref. May 1965. 297.9 Os4
- 55902 DAVIES, G. W. Optical and electron microscopy of NSSC pulps. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(4):95-110. Ref. Jan.1966. 302.8 Au7
- 55903 DOBROW, M. C. World market prospects for pulp and paper. Amer. Pap. Indus. 48(1):50, 53-55. Jan.1966. 302.8 P1923
- 55904 DYCK, A. W. J. Where to train for a career in pulp and paper. 1-2. Amer. Pap. Indus. 48(2):93-95; (3):73-74. Feb.-Mar.1966. 302.8 P1923
- 55905 GARTLAND, W. T. Pulp and paper. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:545-560. Ref. 1964. 382 M31R
Literature review; manufacture.
- 55906 GAVELIN, G. How to measure groundwood pulp quality. II. Pap. Trade J. 150(15):43-49. Ref. Apr.11,1966. 302.8 P196
- 55907 GAVELIN, G. Problems of mechanical pulp quality. Pap. Trade J. 150(16):50-53. Ref. Apr.18,1966. 302.8 P196
- 55908 GUHA, S. R. D., and others. Writing and printing papers from *Lantana camara*. Indian Forest. 92(2):122-126. Feb.1966. 99.8 In2
P. C. Pant, G. M. Mathur, and Y. K. Sharma, joint authors.
- 55909 HATTON, J. V., MURRAY, F. E., and CLARK, T. P. Studies on delignification of kraft pulp in the first bleaching stage using chlorine and chlorine dioxide. Pulp Pap. Mag. Can. 67(4):T241-T248. Ref. Apr.1966. 302.8 P96
- 55910 HILLIS, W. E., NELSON, P., and ZADOW, G. The cause of discolouration of *Pinus radiata* bisulphite pulp. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(4):111-114. Ref. Jan.1966. 302.8 Au7
- 55911 JÄNSON, J., and SJOSTROM, E. Sulphur content in relation to the degree of sulphonation in birch and spruce sulphite pulps. Svensk Papperstidn. 69(4):107-110. Ref. Feb.28,1966. 302.8 Sv2
- 55912 JAYME, G., and AZZOLA, F. Optical microscope and electron microscope investigations of unbeaten and beaten chemical and semi-chemical beech [*Fagus sylvatica*] pulps. 19 p. Ref. Transl. 15843
Translation from Papier 18(10a):549-563. 1964.
- 55913 JOHNSEN, K. An acidimetric method for determination of polysulphides in kraft white and black liquors. Norsk Skogindus. 20(3):91-95. Mar.1966. 99.82 N81
- 55914 KAYAMA, T., and HIGGINS, H. G. Effect on fibre and paper properties of bleaching treatments applied to *Pinus radiata* sulphate pulps. APPITA (Australian Pulp Pap. Indus. Tech. Ass.) 19(4):86-94. Ref. Jan.1966. 302.8 Au7
- 55915 MACARTHUR, J. D., and VAN EYKEN, H. K. Continuing change in concepts and methods dominant theme at 48th annual meeting, Woodlands Section, CPPA [Canadian Pulp and Paper Association]. Pulp Pap. Mag. Can. 67(4):WR183-WR184-WR186-WR187, WR190-WR191, WR193-WR194, WR196-WR197, WR200-WR201, WR204, WR206, WR208, WR213-WR214, WR216, WR218, WR220. Apr.1966. 302.8 P96
- 55916 MIDTTOMME, R. Oversikt over svenske og norske priser for slip- og cellulosevirke 1964/65 og 1965/66 [Review of Swedish and Norwegian prices for pulpwood 1964/65 and 1965/66]. Oslo. Skogindus. Okon. Inst. Inform. C, 57, 18 p., map. Feb.15,1966. 99.9 Os53Inf
- 55917 PECK, E. W. The pulpwood "crisis"—a wood dealer's outlook. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:16-18. 99.9 Am33Te
- 55918 SANYER, N. The present and future use of hardwood for pulp, paper. Amer. Pulpwood Ass. Tech. Pap., Apr.1965:20-23. 99.9 Am33Te
- 55919 SMITH, J. T. Bush scaling. Pulp Pap. Mag. Can. 67(4):T217-T219. Apr.1966. 302.8 P96
Pulpwood.
- 55920 SPIER, W. B. The narrowing search for new pulp and paper mill sites. Southern Pulp Pap. Manufacturer 29(4):50-52, 54, map. Apr.10, 1966. 302.8 So8
- 55921 TASMAN, J. E. The Institute's calibration services. Trend 7:14-17. Spring 1966. 302.8 T72
Pulp evaluation equipment.
- 55922 WOLLENBERG, R. P. Advances in utilization of wood residues in pulping. Pulp Pap. Mag. Can. 67(4):WR229-WR232. (Condensed) Apr. 1966. 302.8 P96

Chemical Products and Distillates

- 55923 ARTHUR, H. R., and others. An examination of three *Quercus* species of Hong Kong. Phytochemistry 4(6):969-971. Nov.1965. 450 P5622
K. F. Cheng, M. P. Lau, and K. J. Lie, joint authors.
Chemical analysis; includes triterpenoids and ketones in *Quercus bambusaefolia*, *Q. cilicarpa*, and *Q. myrsinaefolia*.
- 55924 CONNOLLY, J. D., and others. Tetranortriterpenoids. II. Heartwood constituents of *Carapa guianensis* Aubl. Tetrahedron 22(3):891-896. Mar.1966. 382 T29
R. McCrindle, K. H. Overton, and J. Feeney, joint authors.
- 55925 DREWES, S. E., and ROUX, D. G. A new flavan-3,4-diol from *Acacia auriculiformis* by paper ionophoresis. Biochem. J. 98(2):493-500. Ref. Feb.1966. 382 B52
- 55926 GRAU, W. Reaktionen piceatannolähnlicher Hydroxystilbenchinone [Reactions of hydroxy stilbenequinones similar to piceatannol]. Munich. Univ. Naturwiss. Fak. [Inaug.-Diss.] 19, 84 p. Ref. 1965. 509 M923
Tannin chemistry.
- 55927 GUILLEMAIN, J. Chemistry in wood service. (Fr) Cah. Ingen. Agron. 198:49-50. Aug./Sept. 1965. 14 C112
Wood composition including chemical products.
- 55928 KARNIK, M. G., and GUPTA, A. C. Significant chemical components of Indian teak—*Tectona grandis* Linn. Indian Pulp Pap. 20(8):511-513. Feb.1966. 302.8 It23
- 55929 MONCRIEFF, R. W. Phelladendron [sachalinense] yields two new lactones. Perfumery Essent. Oil Rec. 57(3):164-165. Mar.1966. 308.8 P41
From the bark.
- 55930 PEARL, I. A., and POTTENGER, C. R. Studies on the hot water extractives of the green bark of *Populus balsamifera*. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(4):152-155. Apr. 1966. 302.8 T162

- 55931 ZUBRANSKA, W. An investigation of Polish sulfate soaps and tall oil. 15 p. Ref. (OTS 61-31292) Transl. 14996
Translation from Przegląd Papierniczy 12:1-6. 1958.
CFSTI: \$.50.

Naval Stores

- 55932 CLEMENTS, R. W. When and how to use acid paste. AT-FA (Amer. Turpentine Farmers Ass.) J. 28(6):6-7. Mar.1966. 309.8 Am3
Gum extraction.
- 55933 HARRINGTON, T. A. The future of gum naval stores. Nav. Stores Rev. Terpene Chem. 25,i.e.75(11):4-6,18. Feb.1965,i.e.1966. 99.81 N22
- 55934 KRAUS, J. F. Conversion of oleoresin yields from short-season microchipping to full-season yields from standard chipping. U. S. Forest Serv. Res. Note SE-48,4 p. Sept.1965. A99.9 F7623Un
Pinus elliottii.

Other Forest Products

- 55935 DUARTE, H. Cork 65: cork exports pose a hypothesis. (Por) Port. Junta Nac. Cortica. Bol. 27(326):243-246. Dec.1965. 309.9 J96
- 55936 KABANOV, N. E. Kurile larch bark as valuable raw material for local industry in Kamchatka. (Rus) Rastitel'nye Resursy 1(2):266-269. 1965. 450 R18
Cited in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:8. Nov.1965. Film S-203
- 55937 KAKIZAKI, T. Wood graining and gravure. (Ja) Wood Indus. 20(8):17-20. 1965. 99.82 M72
Wood substitutes.
- 55938 KHRAMOV, N. V. Forests resources that are not fully utilized. (Rus) Les. Khoz. 10:31-33. Oct.1965. 99.8 L5622
Wood waste utilization.
- 55939 KLINGA, L. O., and BACK, E. L. Sulphate screenings and NSSC birch pulp as pulp components for hardboard. (Sw) Svensk Papperstidn. 69(4):111-117. Ref. Feb.28,1966. 302.8 Sv2
English summary.
- 55940 KONING, J. W. Comparison of two specimen shapes for short column test of corrugated fiberboard. U. S. Forest Serv. Res. Note FPL-0109,10 p. Oct.1965. A99.9 F7634Un
- 55941 LAZAR, L. Timely problems of wood industry and wood substitutes. (Hu) Faipar 16(3):65-82. Mar.1966. 99.82 F14
Includes particle board and fiberboard manufacture.
Includes discussion by N. Szvetko.
- 55942 MATSUDA, T., and SANO, Y. Studies on the dry process hardboard. 1. Influence of hot pressing variables upon properties of board. (Ja) Jap. Forest Exp. Sta. Bull. 182:173-189. Ref. Oct.1965. 99.8 R47
English summary.
- 55943 MIDTTOMME, R. Possibilities for export of Norwegian particle board. (No) Norsk Skogindus. 20(3):112. Mar.1966. 99.82 N81
- 55944 NIINO, O. Thick medium density fiberboard by the Miller Hofft process. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(157):18-19. Feb. 1965. 99.9 As12S
- 55945 NIIRO, O., and others. The determination of some variable influences in the dry process of fiberboard manufacture. (Ja) Hokkaido Forest Prod. Res. Inst. J. 14(157):12-15. Feb.1965. 99.9 As12S
K. Nishikawa, H. Kawakami, and K. Yoshida, joint authors.

- 55946 OTA, M., and others. A study on the manufacturing condition and the properties of SIS hardboard from the extracted innerbark of kihada, (Phellodendron amurense Rupr.). (Ja) Wood Indus. 20(6):13-16. 1965. 99.82 M72
Y. Matak, J. Kawabe, and Y. Kawano, joint authors.
English summary.
- 55947 PĚCINA, H. Demonstration and action of the paraffin glue for water-repellent processing of chipboard. 6 p. Transl. 15858
Translation from Holztechnologie 6(2):127-129. 1965.
- 55948 STÖGER, G. Estimation and testing of exhalation of formaldehyde from particle boards bonded with urea resins. (Ge) Holzforsch. Holzverwertung 17(6):93-98. Dec.1965. 99.9 Os72
English summary.
- 55949 UYEMURA, T. Panels lead new wood product innovations. World Wood 6(5):7. Oct.1965. 99.8 W89
In Japan.

WOOD TECHNOLOGY

- 55950 BATES, N. A. Evidence for the reaction of cellulose with melamine-formaldehyde resin. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(4):184. Apr.1966. 302.8 T162
- 55951 CAMPREDON, J. Scientific and technical research in wood service. (Fr) Cah. Ingen. Agron. 198:51-53. Aug./Sept.1965. 14 C112
Centre Technique du Bois (France).
- 55952 CENTOLA, G. Research on "passivation" of cellulose. (It) Indus. Carta 4(2):47-54. Ref. Feb.1966. 302.8 In22
English summary.
Chemical treatment effect.
- 55953 FENGEL, D. Effect of alkali on fibrillar mannan. (Ge) Naturwissenschaften 52(23):641-642. Dec.1,1965. 474 N213
From spruce wood.
- 55954 FREUDENBERG, K., and NIMZ, H. A further proof of the identity of natural and biosynthetic lignin. Chem. Commun. 5:132-133. Mar.9, 1966. 382 C4223
Chemistry.
- 55955 KOLLMANN, F. International Academy of Wood Science. (Ge) Holz-Zentralbl. 92(38):743-744. Mar.30,1966. 99.81 H742
Proposed.
- 55956 LAIRAND, D. B. Contribution to the cytochemistry of wood. 14 p. Ref. Transl. 15848
Translation from Drevarsky Vyskum 1:1-10. 1963.
- 55957 SRIVASTAVA, L. M. Histochemical studies on lignin. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(4):173-183. Ref. Apr.1966. 302.8 T162

Properties and Structure

- 55958 BERGMANN, R. Industrial wood from overseas. 27. Real cedar wood. (Ge) Holztechnik 46(3):130-131,133. Mar.1966. 99.82 H745
Properties of Cedrela species.
- 55959 BHATTEE, S. S., and DASGUPTA, P. R. The study of equilibrium moisture content of some Andaman timbers. Indian Forest. 92(2):109-121. Feb.1966. 99.8 In2
- 55960 BOHANNAN, B., and SELBO, M. L. Evaluation of commercially made end joints in lumber by three test methods. U. S. Forest Serv. Res. Paper FPL 41,40 p.,map. Oct.1965. A99.9 F7634U
Strength of laminated wood.
- 55961 FUJII, J. S. Molecular degradation caused by vibratory ball-milling of wood. Diss. Abs. 26 (8):4264. Feb.1966. 241.8 M58

- 55962 HAYASHI, S., and KISHIMA, T. Influence of resin canals upon the water permeability of wood. (Ja) Wood Res. [Kyoto] 35:25-32. June 1965. 99.82 W8524
English summary.
Pinus densiflora and *Cryptomeria japonica* wood.
- 55963 HAYASHI, S., and NISHIMOTO, K. Studies on the water permeability of hardwoods. (Ja) Wood Res. [Kyoto] 35:33-43. Ref. June 1965. 99.82 W8524
English summary.
- 55964 HAYASHI, S., and KISHIMA, T. Study of the transverse penetration of water into softwood. (Ja) Wood Res. [Kyoto] 36:61-70. Ref. Dec. 1965. 99.82 W8524
English summary.
- 55965 HINKLE, C. N. The relationship between three-member nailed wood joint strength and the modulus of elasticity of the main member. Amer. Soc. Agr. Eng. Pap. 424, 16 p. 1965. 290.9 Am32P
- 55966 KATO, H., and KISHIMA, T. Some morphological observations of tyloses. Wood Res. [Kyoto] 36:55-60. Dec. 1965. 99.82 W8524
- 55967 KUROYANAGI, S. Mechanical properties of the forest fertilized sugi (*Cryptomeria japonica* D. Don) Woods. (Ja) Okayama Univ. Fac. Agr. Sci. Rep. 25:1-10. Mar. 1965. 107.6 Ok12
English summary.
- 55968 LANGE, R. T. Growth ring characteristics in an arid zone conifer. Roy. Soc. S. Australia. Trans. 89:133-137. Dec. 1965. 514 Ad3
Callitris columellaris.
- 55969 LANTICAN, D. M. The effect of ozone treatment on the hygroscopicity, permeability and ultrastructure of the heartwood of western red cedar [*Thuja plicata*]. Diss. Abs. 26(8):4147. Feb. 1966. 241.8 M58
- 55970 MATSUKUMA, N., and others. Studies on the intermediate zone of sugi wood. Some physiological activities of the xylem tissue. (Ja) Jap. Wood Res. Soc. J. 11(6):227-231. Ref. Dec. 1965. 99.9 J2793
H. Kawano, Y. Shibata, and T. Kondo, joint authors.
English summary.
Cryptomeria japonica.
- 55971 NISHIMOTO, K., and HAYASHI, S. Studies on the water permeability of the wood impregnated liquids in return for sap. 1. (Ja) Wood Res. [Kyoto] 36:13-22. Dec. 1965. 99.82 W8524
English summary.
- 55972 NORIMOTO, M., and YAMADA, T. The effect of relative humidity on the stress relaxation of hinoki wood. (Ja) Wood Res. [Kyoto] 35:44-50. Ref. June 1965. 99.82 W8524
English summary.
Chamaecyparis obtusa wood.
- 55973 NOVRUZOVA, Z. A. Comparative anatomical study of the secondary xylem of several *Crataegus* species. (Rus) Akademiya Nauk Azerbaidzhanskoi SSR. Institut Botaniki. Trudy 24: 27-35. 1964. 451 Ak1
Crataegus meyeri and *C. kyrtostyla*.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 15. Oct. 1965. 241.7 R25
- 55974 OSAKO, Y., and YAMADA, T. Indentation of hinoki wood by steel ball; effect of ball diameter on hardness. (Ja) Wood Res. [Kyoto] 35: 51-56. Ref. June 1965. 99.82 W8524
English summary.
Chamaecyparis obtusa wood.
- 55975 PATLAI, I. N. Study of physical and mechanical properties in relation to anatomical structure of pine wood of various provenances. (Rus) Lesovodstvo i Agrolesomeliatsiya 3: 161-172. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:11. Dec. 1965. Film S-203
- 55976 PORTER, A. W. On the mechanics of fracture in wood. Diss. Abs. 26(8):4552. Feb. 1966. 241.8 M58
- 55977 PROPERTIES of Australian timbers; radiata pine. CSIRO (Commonwealth Sci. Indus. Res. Organ.) Forest Prod. Newslett. 326:3-4. Jan./Feb. 1966. 99.9 Au722F
- 55978 SACHSSE, H. The submicroscopic structure of the fibre cell wall in poplar [*Populus euroamericana*] tension wood. 9 p. Transl. 15862
Translation from Holz als Roh- und Werkstoff 22(5):169-174. 1964.
- 55979 SASAKI, H., MAKU, T., and KANEDA, H. On the deflection of wood based circular panels under uniformly distributed load and clamped edge condition. (Ja) Wood Res. [Kyoto] 35:10-24. June 1965. 99.82 W8524
English summary.
Plywood and fiberboard.
- 55980 SASAKI, H., and MAKU, T. Stress analysis of wood; a new trial using photoelastic method. (Ja) Wood Res. [Kyoto] 36:33-54. Ref. Dec. 1965. 99.82 W8524
English summary.
- 55981 SMITH, J. H. G., WALTERS, J., and WELLWOOD, R. W. Variation in sapwood thickness of Douglas-fir in relation to tree and section characteristics. Forest Sci. 12(1):97-103. Ref. Mar. 1966. 99.8 F7632
- 55982 SPIT, B. J., and JUTTE, S. M. Gasdischarge etching applied on sections of beech [*Fagus sylvatica*] and ash [*Fraxinus excelsior*]. Acta Bot. Neer. 14(4):403-408. Ref. Jan. 1966. 450 Ac822
- 55983 STONE, J. E. The cell wall. Trend 7:4-9. Spring 1966. 302.8 T72
Wood fibers.
- 55984 STRICKLAND, R. K., and GODDARD, R. E. Correlation studies of slash pine tracheid length. Forest Sci. 12(1):54-62. Ref. Mar. 1966. 99.8 F7632
- 55985 VASILEV, V. KH., ANDONOV, G., and TASHKOV, K. Percentage distribution of bark, heartwood and sapwood along the stem of winter oak. (Bu) Gorsko Stopanstvo 20(11):11-13. Nov. 1964. 99.8 G682
- 55986 VEERMETS, K. Growth of annual rings in pine and spruce. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 41:133-148. 1965. 106 Es83
In relation to wood properties.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 12:13. Dec. 1965. Film S-203
- 55987 VOLKART, C. Compilation of data on properties and uses of timber from the tropical forest of the Atlantic Coast of Nicaragua. (Sp) Dasonomia Interamer. 1:43-57. Ref. Mar. 1965. 99.8 D264
English summary.
Hardwoods.
- 55988 WARRING, R. H. Engineering properties of balsa. Wood [London] 31(2):41-43. Feb. 1966. 99.82 W855
- 55989 WELCHERT, W. T., and HINKLE, C. N. The effect of change in moisture content on the strength of nailed wood joints. Amer. Soc. Agr. Eng. Pap. 423, 12 p. 1965. 290.9 Am32P
- 55990 YAO, J. Tests of the validity of determining the distribution of pit pore sizes in softwoods by a combination of overcoming surface tension and rate of flow. Diss. Abs. 26(8):4150-4151. Feb. 1966. 241.8 M58
In Engelmann spruce.
- 55991 YLINEN, A. Prediction of the time-dependent elastic and strength properties of wood by the aid of a general nonlinear viscoelastic rheological model. 9 p. Transl. 15874
Translation from Holz als Roh- und Werkstoff 5:193-196. May 1965.

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 55992 ALGAZI, R. L'insemination artificielle en Israel [Artificial insemination in Israel]. Lyon. Ecole Nat. Vet. These 23,62 p.,map. Ref. 1965. 41.2 L99
- 55993 BAGANA, A. Conditions of [livestock] breeding in Turkey. (Fr) *Mediterranea* 28(6):207-212. June 1965. 281.8 M462
- 55994 BECZE, J. On the possibilities for influencing formation of sexes in animal breeding. (Hu) *Magyar Allatorv. Lapja* 21(1):24-26. Jan.1966. 41.8 V644
- 55995 BOGOLYUBSKII, S. N. Importance of the study of ontogenesis as the basic science in the livestock breeding. (Rus) *Zhivotnovodstvo* 2:66-70. Feb.1966. 49 Z6
- 55996 FEHER, GY., and NAGY, M. The development and structure of the spermium. (Hu) *Magyar Allatorv. Lapja* 21(1):27-31. Ref. Jan.1966. 41.8 V644
- 55997 FEVRIER, R. Industrialization of breeding. (Fr) *Cah. Ingen. Agron.* 197:21-26. June/July 1965. 14 C112
Also in *Revue des Ingenieurs Civils de France*.
Livestock breeding research programs in France.
- 55998 HEINDL, H. Veterinarians as pioneers of artificial insemination in Austria. (Ge) *Wien. Tierarztl. Monatsschr.* 52(11):997-1001. Nov. 1965. 41.8 T345
- 55999 HERDEA, V. Better farm use of the genetic potential of animal species. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:47-51. Apr.12,1966. (JPRS 34,999; TT 66-31437) 173 J663Stc
In Rumania; effects of feeding.
Translation from *Viata Economica* 9:11. Mar.1966.
Issued by CFSTI.
- 56000 HOFMEYER, J. Some aspects of recent advances in animal genetics. S. Afr. Vet. Med. Ass. J. 36(4):451-459. Ref. Dec.1965. 41.8 S08
- 56001 JOHNSON, L. E. What are breeds? Are they here to stay? *Cattleman* 52(11):38,84. Apr. 1966. 49 C29
- 56002 MACPHERSON, J. W., and KING, G. J. Plastic straws for frozen semen (a field evaluation). *Can. J. Comp. Med. Vet. Sci.* 30(4):109-111. Apr.1966. 41.8 C162
- 56003 MARKUSHIN, A. P., LADAN, P. E., and GORBELIK, V. I. Razvedenie sel'skokhozyaistvennykh zhiivotnykh i chastnoe zhiivotnovodstvo [Breeding of livestock and specialized animal husbandry]. Ed. 2, rev. and enl. Moskva, Kolos, 1965. 479 p. SF105.M3
- 56004 MILOVANOV, V. K. Main trends in investigations on reproduction biology and artificial insemination of livestock. (Rus) *Zhivotnovodstvo* 2:20-26. Feb.1966. 49 Z6
- 56005 PASHAYEV, YU. SH., and MIROLYUBOV, M. G. Courses on sterility prophylaxis in livestock. (Rus) *Veterinariya* 10:106-107. Oct.1965. 41.8 V6426
- 56006 PATRICK, H., EMERSON, R. E., and HYRE, H. M. Design and usage of a Cs¹³⁷ gamma irradiator for breeding and physiological studies. W. Va. Agr. Exp. Sta. Bull. 518T, 11 p. Dec. 1965. 100 W52
In animal research.
- 56007 POLITIEK, R. D. Fertility as a breeding problem. *World Rev. Anim. Prod.* 4:59-66. Ref. Oct./Dec.1965. 49 W89

- 56008 ROMANOWSKI, W. Economic intensity versus fertility? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81 (11):450-452,454. Mar.17,1966. 18 N39
Factors affecting livestock fertility.
- 56009 RUBAILOVA, N. G. Otdalennaya gibridizatsiya domashnikh zhiivotnykh; istoricheskii ocherk [Distant hybridization of livestock; historical account]. Moskva, Nauka, 1965. 265 p. Ref. SF105.R8
- 56010 SOCIETY FOR THE STUDY OF FERTILITY. Proceedings, annual conference, 7th July to 10th July 1965, edited by B. A. Cross. J. Reprod. Fertil. 10(2):285-302. Ref. Oct.1965. 442.8 J8222
Abstracts of papers presented including articles on domestic animals.
- 56011 STUTE, W., and LAMPE, J. Considerable facilities in handling deep frozen semen by means of a self-regulating defrosting device. (Ge) *Deut. Tierarztl. Wochensh.* 72(24):576-577. Dec.15,1965. 41.8 D482
English summary.
- 56012 TEODOREANU, N., FURTUNESCU, A., and GRANCIU, I. Current research in animal genetics. 7 p. (JPRS 34,609; TT 66-31048; CSO 2000-D) Transl. 15808
Translation from *Agricultura Socialista* 8:9. Feb.24,1966.
CFSTI: \$1.00.
- 56013 WIENEKE, J. The amino acid contents of spermatozoa and protein-free plasma of sperma of different species. (Ge) *Deut. Tierarztl. Wochensh.* 72(24):571-576. Ref. Dec.15, 1965. 41.8 D482
English summary.
- 56014 ZEROBIN, K., and WINZENRIED, H. U. The status of artificial insemination of swine and small ruminants. (Ge) *Schweiz. Arch. Tierheilk.* 108(1):24-33. Ref. Jan.1966. 41.8 Sch9
English summary.
Sheep and goat.

FEEDS AND FEEDING

- 56015 ANGELOVA-PATARINSKA, Z. Yeast and protein problem in animal husbandry. (Bu) *Priroda [Sofia]* 13(6):42-45. Nov./Dec.1964. 410 P934
- 56016 BAINTRNER, K. Why the ruminants don't like to eat silage this year. (Hu) *Magyar Mezo-gazdasag* 21(9):15. Mar.2,1966. 19 M27
Effects of acetic acid and ammonia liquor.
- 56017 BASOV, A. V. Privately-held livestock entitled to fodder. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:31-33. Oct.22,1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Hay supply.
Translation from *Sovetskaya Rossiya*, Sept.11, 1965:3.
- 56018 BEESON, W. M., and PERRY, T. W. Formulating and feeding high urea supplements. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 249,6 p. Apr. 1966. 100 In2Res
- 56019 BENNIS, A. Influence des desequilibres nutritionnels sur la reproduction [The effect of nutritional imbalance on reproduction]. Lyon. Ecole Nat. Vet. These 2,85 p. Ref. 1965. 41.2 L99
- 56020 BERNARDINI, G. Influence of feeding on the fatty acid composition of organism tissues and livestock products. (It) *Aliment. Anim.* 9(6/7): 285-289. June/July 1965. 389.78 AL4
- 56021 BERNARDINI, G. Levels of feed ingestion in ruminants. (It) *Aliment. Anim.* 9(5):223-229. May 1965. 389.78 AL4
- 56022 BOBEK, J. Utilization of seed corn which started deteriorating. (Hu) *Magyar Mezogazdasag* 21(8):18-19. Feb.23,1966. 19 M27
Livestock feeding.

- 56023 BORCHERS, R. Raw soybean growth inhibitor. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 24(6, pt.1):1494-1497. Ref. Nov./Dec.1965. 442.9 F31P
As feed.
- 56024 BOURGEOIS, C. Raw materials in animal nutrition. (Fr) Tech. Meun. 106:5-11. (Cont.) Mar./Apr.1966. 298.8 T22
Oilmeal.
- 56025 BOYD, L. H. Investigational drug regulations. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:87-88. 389.9 Un342
- 56026 BROWER, H. H. The animal drug amendments to the Federal Food, Drug, and Cosmetic Act. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:63-69. 389.9 Un342
- 56027 BROWN, S. M. Self-feeding silage? Some hints on how to estimate the value of silage for self-feeding. Agr. Northern Ireland 40(9):275-278. Jan.1966. 256.13 Ag82M
- 56028 BUDZIER, H. H. Contributions to the methodology of microbiological investigation of ensilage. 8-9. (Ge) Zentralbl. Bakteriол. Parasitenk. Hyg. Abt. II, Naturwiss. 120(1):34-40. 1966. 448.3 C33
English summary.
- 56029 CERCOS, A. P. Microorganisms producing antibiotics and growth factors. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:34-42. Oct.1965. 9 Id3
For use in animal and plant production.
- 56030 CHERNOKLINOV, N. A. Advantages in using fermented roughage feed. (Rus) Zhivotnovodstvo 2:59. Feb.1966. 49 Z6
Chiefly preparation.
- 56031 CHILL, L. The sweetening of water. (It) Genio Rurale 29(1):47-54. Jan.1966. 281.8 R522
Desalinization for livestock use.
- 56032 CHRETIEN, A. Incorporation of fats in compound feeds. (Fr) Tech. Meun. 106:12-14. Mar./Apr.1966. 298.8 T22
- 56033 CLEAVINGER, E. A., and others. Producing and feeding sorghum silage. Kans. State Univ. Ext. C-354,16 p. Nov.1965. 275.29 K13Ex
E. R. Bonewitz, H. W. Westmeyer, and C. B. Overley, joint authors.
Swine, sheep, and cattle.
- 56034 CONRAD, H. R. Symposium on factors influencing the voluntary intake of herbage by ruminants: physiological and physical factors limiting feed intake. J. Anim. Sci. 25(1):227-235. Ref. Feb.1966. 49 J82
Review of literature.
- 56035 CORBETT, J. L., and others. Comparison by direct animal calorimetry of the net energy values of an early and a late season growth of herbage. Anim. Prod. 8(1):13-27. Ref. Feb. 1966. 49 An55
J. P. Langlands, I. McDonald, and J. D. Pullar, joint authors.
- 56036 COSTANTINI, P. DE. The latest information on lysine. (It) Riv. Zootec. 39(2):104-108. Feb.1966. 49 R52
In animal nutrition.
- 56037 CURTO, G. M. Vitamin A is indispensable for young animals. (It) Riv. Zootec. 39(2):110-115. Feb.1966. 49 R52
- 56038 DAVYDOVA, YU. S. Azeotropic method of obtaining fish meal. 8 p. (JPRS 23,470; OTS 64-21691) Transl. 14108
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii. Trudy 45:139-142. 1962.
CFSTI: \$.50.
- 56039 DESYATOV, V. Importance of antibiotics and vitamins in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:97-101. June 16,1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 9:32. Mar.3,1965.
Issued by CFSTI.
- 56040 DOTZENKO, A. D., and others. Effects of stage of maturity on the composition of various sorghum silages. Colo. Agr. Exp. Sta. Tech. Bull. 87,39 p. Ref. 1965? 100 C71S
N. E. Humburg, G. O. Hinze, and W. H. Leonard, joint authors.
- 56041 EKSTROM, N. Grain ensiling can take care of a difficult harvesting situation. (Sw) Joel 3:3-5. 1965. 335.8 J59
- 56042 FEKETE, L. Improving feed nutritive value. I. (Hu) Magyar Mezogazdasag 21(7):16-17. Feb.16,1966. 19 M27
Includes processing and storage.
- 56043 FEKETE, L. Improving feed utilization. II. (Hu) Magyar Mezogazdasag 21(10):17. Mar.9, 1966. 19 M27
Preserving nutritive value.
- 56044 FEKETE, L. Improving feed utilization. III. (Hu) Magyar Mezogazdasag 21(11):18. Mar.16, 1966. 19 M27
Livestock feeding suggestions and preservation of feed nutritive value.
- 56045 FLATT, W. P. As population grows need for efficient feeding becomes critical. Feed Bag Red Book 1966:9-10,12-13. Ref. 389.78 F322
- 56046 GARRIGUS, U. S. Protein requirements of ruminants in retrospect and in prospect. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:14-19. Ref. 389.9 Un342
- 56047 GOKAJ, F., HAXHI, S., and KORE, L. Nutritive value of maize and some other plant concentrates of cereals. (Al) Bul. Shkencave Bujqesore 4(3):95-104. Ref. 1965. 21.5 B87
English summary.
For feed.
- 56048 GORET, P. Nursing and immunity. (Fr) Tech. Lait. 3(spec.no.1):13-16. Mar.4,1966. 44.8 Of2
In animals.
- 56049 GUALBA, C. New economical method of silage preparation. (Sp) Cult. Mod. 48(6):222. June 1965. 15 C89
- 56050 HANSEN, K. Ensiling of feed grain. (Da) Landbonyt 19(9):331-332,342. Sept.1965. 11 L2322
- 56051 HEWSON, R. Production of silage. (Sp) Rev. Cafetalera 49:22-23. Sept.1965. 68.28 R322
Digitaria decumbens.
- 56052 INGALLS, J. R. Nutritive value of several forage species as measured by in vitro and in vivo methods. Diss. Abs. 26(8):4142-4143. Feb.1966. 241.8 M58
- 56053 KASTEN, A. Linear programming the forage area requirements with emphasis the performance related nutrient requirement values. (Ge) Tierzucht 19(12):645-647. Dec.1965. 49 T443
- 56054 KIRCHGESSNER, M. Home-produced feed, basis of efficient and full-value feeding. (Ge) Bayer. Landwirt. Jahrbuch 42(spec.no.2):57-73. 1965. 18 L24
- 56055 KIRCHGESSNER, M. The supply and availability of trace elements. World Rev. Anim. Prod. 4:41-50. Ref. Oct./Dec.1965. 49 W89
- 56056 KNOL, J. Minerals in corn silage. (Du) Vee-teelt Zuivelber. 8(11):463. Nov.1965. 49 V51
- 56057 LEFFEL, E. C. FDA regulations and nutrition research. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:79-80. 389.9 Un342
- 56058 LEFFEL, E. C. Interrelationships of nutrient requirements of large animals. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:62-63. 389.9 Un342
- 56059 MARTINI, R. DE. Influence of feeding in the prevention of some diseases of domestic animals. (It) Aliment. Anim. 9(4):179-182. Apr. 1965. 389.78 AL4
- 56060 MARYLAND NUTRITION CONFERENCE FOR FEED MANUFACTURERS. Proceedings, 1966. n.p., 1966. 88 p. Ref. 389.9 Un342

- 56061 MAYMONE, B. Biological activities and importance of vitamin E as a vitamin supplement in animal feeds. (It) Ann. Sperim. Agr. 18 (1/2,sup.),XXXII p. Ref.,p.XXIX-XXXII. 1964,pub.1966. 16 An76
English summary.
- 56062 MAYMONE, B. Factors influencing the energetic effectiveness of the addition of fats to livestock feeds. (It) Aliment. Anim. 9(8/9): 327-342. Aug./Sept.1965. 389.78 AL4
English summary.
- 56063 MERKENSCHLAGER, M. The effect of additional antibiotics in the fodder on the microflora of livestock. (Ge) Arch. Hyg. Bakteriolog. 149(7/8):659-668. Ref. Dec.1965. 449.8 Ar2
English summary.
- 56064 NEHRING, K. Problems of feed research. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):66-82. Ref. Feb.1966. 389.78 Z3
English summary.
Analysis, nutritive value, and digestibility.
- 56065 PAILLUSSEAU, E. Some observations on kale silage. (Fr) Potasse 39(329):199-204. Nov. 1965. 57.8 P84
Composition.
- 56066 PAQUAY, R., BAERE, R. DE, and LOUSSE, A. Statistical research on the digestibility of feed elements. (Fr) Ann. Med. Vet. 110(1):13-55. Jan.1966. 41.8 An78
English summary.
- 56067 PENZES, L. Feeding animals in pregnancy. (Hu) Mezogazdasagi Vilagirodalom 8(1):39-43. Ref. 1966. 19 M577
Review of literature.
- 56068 PFEFFER, E. On the evaluation of the K/Na-ratio in the feed of domestic animals. (Ge) Deut. Tierarztl. Wochenschr. 73(3):56-61. Ref. Feb.1,1966. 41.8 D482
English summary.
- 56069 PFOST, H. Theory and principles of feed mixing. Amer. Soc. Agr. Eng. Pap. 849,7 p. 1965. 290.9 Am32P
- 56070 PLATIKANOV, N. Urea as a protein substitute in the feed of ruminants. Bulg. Foreign Trade 6:34-35. Nov./Dec.1965. 286.8 B872
- 56071 PLOTNIKOV, K. I. Animals are to be supplied with mineral feed. (Rus) Veterinariya 9:91-94. Sept.1965. 41.8 V6426
- 56072 PROST, E. Antibiotics in feed and nutrition. (Pol) Med. Weter. 21(12):705-710. Ref. Dec. 1965. 41.8 M463
In relation to meat production.
- 56073 RAMEAU, J. T. L. B. Mineral content of Dutch hay. (Du) Veeteelt Zuivelber. 8(11):452-462. Nov.1965. 49 V51
- 56074 RASMUSSEN, R. A. Beneficial volatile fatty acids in ruminant nutrition. World Rev. Anim. Prod. 4:51-57. Ref. Oct./Dec.1965. 49 W89
- 56075 SACCHI, G. When vitamin E is lacking. (It) Riv. Zootec. 39(1):11-16. Jan.1966. 49 R52
- 56076 SAUE, O., and EKERN, A. Evaluation of roughage quality. (No) Buskap Avdratt 17(3):167, 169. 1965. 49 B96
- 56077 SCHAADT, H., JOHNSON, R. R., and MCCLURE, K. E. Adaptation to and palatability of urea, biuret and diammonium phosphate as NPN [nonprotein nitrogen] sources for ruminants. J. Anim. Sci. 25(1):73-77. Ref. Feb. 1966. 49 J82
- 56078 SCHMEKEL, J. Pelleting of roughage for ruminants. (Sw) Svensk Valltidsskr. 4(4):119-121. 1965. 60.8 Sv22
- 56079 SIEVERT, C. W. How to build formulas. Feed Bag Red Book 1966:163-171. 389.78 F322
- 56080 SIEVERT, C. W. Summary of vitamins required by farm animals. Feed Bag Red Book 1966:158-161. 389.78 F322
- 56081 STANCHEV, KH. Pine needles as rich source of minor elements, macroelements and vitamins. (Bu) Gorsko Stopanstvo 21(9):29-33. Sept.1965. 99.8 G682
Livestock feed.
- 56082 STANFORTH, A. R. Farmers in the United Kingdom try making silage under vacuum. FAFIS (Food Agr. Tech. Inform. Serv.) Rev. 13(1):23-26. 1966. 275.249 F26
- 56083 SULLIVAN, J. T. Studies of the hemicelluloses of forage plants. J. Anim. Sci. 25(1):83-86. Ref. Feb.1966. 49 J82
In relation to nutritive value.
- 56084 SUTTON, J. D. Ruminant nutrition. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:339-351. Ref. 1964. 382 M31R
Literature review.
- 56085 TAKAI, S., and SASAKI, T. Some experiments on the additives in making of ladino clover silage. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 31: 83-105. Ref. Mar.1965. 107.6 M822
English summary.
- 56086 TAUFEL, K. Microbiology and microecology in their importance for feeding and nutrition. (Ge) Potsdam. Inst. Ernahr. Ernährungsforsch. 19(2/3):109-113. 1965. 386.3 P84
- 56087 TER-KARAPETYAN, M. A., and PETROSYAN, V. A. New methods of beet pulp storage. (Rus) Zhivotnovodstvo 2:55-57. Feb.1966. 49 Z6
- 56088 THAFVELIN, B., and OKSANEN, H. E. Vitamin E and linolenic acid content of hay as related to different drying conditions. J. Dairy Sci. 49(3):282-286. Ref. Mar.1966. 44.8 J822
- 56089 THYSELIUS, L. Ensiling of wet grain. 2. (Sw) Jord Skog 17(8):26-27. 1965. 58.8 M373
- 56090 TKACHEV, I. F. Chlorella—a biological stimulator of growth. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:81-86. Ref. Mar.1966. 20 V633
English summary.
- 56091 TOLGYESI, GY. The animal feeding relations of copper- and molybdenum-content of hays grown on the Keszthely peat soils. (Hu) Magyar Allatorv. Lapja 20(11):502-506. Ref. Nov.1965. 41.8 V644
English summary.
- 56092 UESAKA, S. Utilization of Chlorella as feed. World Rev. Anim. Prod. 4:11-21. Oct./Dec. 1965. 49 W89
Studies in Japan.
- 56093 VANOSSI, L. The fortification of livestock feeds. (It) Tec. Molitoria 16(10):102-104. May 30,1965. 298.8 Se42
- 56094 VAN SOEST, P. J. Changes in fiber methods. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:58-61. Ref. 389.9 Un342
Analysis of roughage in feed.
- 56095 VASIL'EV, N. Efficiency of commercial livestock fattening. (Rus) Ekon. Sel'skogo Khoz. 3:20-27. Mar.1966. 281.8 So73
- 56096 VRIGNAUD, Y. Dairy products in animal nutrition. (Fr) Tech. Lait. 3(spec.no.1):30-34. Mar.4,1966. 44.8 Of2
- 56097 WITTMANN, H. The importance of yeasts in animal nutrition. (Ge) Muhle 102(47):920,923. Nov.25,1965. 298.8 M89
- 56098 WOHLBIER, W. Feed evaluation today. World Rev. Anim. Prod. 4:23-30. Oct./Dec.1965. 49 W89
Composition and nutritive value.
- 56099 YEZERSKIY, S. V. Experimental-industrial preservation with sodium pyrosulfite of Caspian sprat for production of feed meal. 25 p. (JPRS 24,182; OTS 64-31071) Transl. 14084
Translation from Akademiya Nauk Kazakhskoi SSR. Institut Ikhtologii i Rybnogo Khozyaistva. Trudy 4:211-233. 1963.
CFSTI: \$.75.

VETERINARY MEDICINE

- 56100 AABERG, H. C. Let's eradicate animal disease! Nation's Agr. 41(5):14-15,26. May 1966. 280.82 B89

- 56101 ABBAS, F., JOHARI, M. P., and SAXENA, S. B. L. Embalming of animals for anatomical dissections. *Ceylon Vet. J.* 12(3):47-49. Sept. 1964. 41.8 C33
- 56102 ABBASOV, M. T. Survival time in an artificial environment of the causative agents of coenurosis, echinococcosis, and cysticercosis. (Rus) *Veterinariya* 9:46-47. Sept. 1965. 41.8 V6426
Multiceps multiceps, Echinococcus granulosus, and Taenia hydatigena.
- 56103 ADEMOLLO, A., and others. Our problems before the Superior Council of Health [Consiglio Superiore di Sanita]. (It) *Nuovo Prog. Vet.* 21(1):5-8, 11-12, 14-16, 18. Jan. 15, 1966. 41.8 P942
P. Masoero, S. Platrinieri, and G. Giolitti, joint authors.
Livestock diseases and their public health significance.
- 56104 AGABABYAN, M. M. Studying the distribution of anthrax vaccines in an organism by using radioactive indicators. 12 p. (TT 63-23064) Transl. 15289
Translation from *Akademiya Nauk Armyanskoi SSR. Izvestiya* 12(12):63-71. 1959.
Issued by CFSTI.
- 56105 AKESSON, M. Swedish veterinary bibliography. (Sw) *Svensk Veterinartidn.* 17(21):661-674. Nov. 1965. 41.9 Sv23
- 56106 ANIMAL DISEASES RESEARCH ASSOCIATION (SCOTLAND). Annual report and accounts 1964-1965. Edinburgh, 1965. 32 p. 41.9 An5A
- 56107 ARBEITSGEMEINSCHAFT FÜR VETERINAR-PATHOLOGEN. Report on the 14th working session, held in Saarbrücken, June 8, 1965. (Ge) *Schweiz. Arch. Tierheilk.* 108(2):86-91. Feb. 1966. 41.8 Sch9
Abstracts of papers on livestock diseases.
Also in *Berliner Münchener Tierarztl. Wochensh.* 79(2):38-40; (3):58-59. Jan. 15-Feb. 1, 1966. 41.8 B45
- 56108 AVESSALOMOV, I. S. Improving veterinary sanitation of pastures and hay. (Rus) *Veterinariya* 9:94-95. Sept. 1965. 41.8 V6426
- 56109 BAGDASAROVA, A. M. Everlasting flowers, poisonous plants. (Rus) *Veterinariya* 9:64-65. Sept. 1965. 41.8 V6426
- 56110 BAKULOV, I. A., and others. Titration of *Listeria* in chick embryos and white mice. (Rus) *Veterinariya* 10:25-28. Ref. Oct. 1965. 41.8 V6426
P. G. Khizhinskii, O. Yu. Sakovich, D. I. Kozlova, V. M. Kotlyarov, and G. A. Kotlyarova, joint authors.
Vaccine production.
- 56111 BALSOLLIER, N. Contribution a l'etude pharmacologique du nicotinate de 3(methyloxy-ethylamine)-2 oxypropyl-theophylline; effets cardio-vasculaires [Contribution to the pharmacological study of nicotinate of 3-methyloxy-ethylamine)-2 oxypropyl-theophylline; cardio-vascular effects]. *Lyon. Ecole Nat. Vet.* These 38,109 p. Ref. 1965. 41.2 L99
- 56112 BARTIK, M., and MICHNOVA, E. Possibilities of utilization of enzymes in diagnosis and therapy. I. (Cz) *Pol'nohospodarstvo* 12(2):146-151. 1966. 19.5 P752
Includes veterinary medicine.
- 56113 BARTIK, M., and MICHNOVA, E. Therapy with enzymes, their substrates, co-factors and effectors. (Cz) *Veterinarstvi* 15(12):532-534. 1965. 41.8 V6439
- 56114 BASCH, P. F. Patterns of transmission of the trematode *Eurytrema pancreaticum* in Malaysia. *Amer. J. Vet. Res.* 27(116):234-240. Jan. 1966. 41.8 Am3A
Pancreatic fluke in livestock.
- 56115 BEJSOVEC, J. The importance of raptorial birds, owls, rook and the common fox for the transmission of endoparasites of production animals and small rodents. (Cz) *Cesk. Parazitol.* 12:81-91. Ref. 1965. 436.8 C33
English summary.
Includes parasites of livestock.
- 56116 BELL, F. R., and KITCHELL, R. L. Taste reception in the goat, sheep and calf. *J. Physiol.* 183(1):145-151. Ref. Mar. 1966. 447.8 J82
- 56117 BICKFORD, A. A., and BURNSTEIN, T. Maintenance of *Toxoplasma gondii* in monolayer cultures of human epithelial (H. Ep.-2) cells. *Amer. J. Vet. Res.* 27(116):319-325. Ref. Jan. 1966. 41.8 Am3A
- 56118 BJORN, A., and THOMSEN, F. A veterinarian in Greenland. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(5):185-193. Mar. 1, 1966. 41.9 D23
Livestock diseases and meat inspection.
- 56119 BOCH, J., and BRONSCH, K. The effect of vitamins on the course of parasitic invasions in higher animals. (Ge) *Tierarztl. Umsch.* 21(2):62-64, 67-69; (3):108, 111, 113; (4):190, 193-194. Ref. Feb. 1-Apr. 1, 1966. 41.8 T445
Review of the literature.
- 56120 BOHL, M. Ein Beitrag zur Lagerung von Trockenblutplasma [Contribution to the storage of dried blood plasma]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 4, 72 p. 1965. 41.2 M9222
Bibliography, p. 54-72.
- 56121 BONARD, J. Etude d'un collyre gammaglobulines-chloramphenicol [Study of an eyewash of gamma-globulins with chloramphenicol]. *Lyon. Ecole Nat. Vet.* These 34,68 p. Ref. 1965. 41.2 L99
Use in keratoconjunctivitis.
- 56122 BORN, J. M. VAN DEN. Future tasks in veterinary public health. (Du) *Tijdschr. Diergeneesk.* 90(25):1759-1768. Dec. 1965. 41.8 T431
English summary.
Discussion, p. 1783-1785.
- 56123 BRITISH VETERINARY ASSOCIATION. Papers read at the annual Congress. *Vet. Rec.* 77(39):1128-1133; (42):1221-1227; (45):1111-1330; (46):1350-1370; (47):1391-1406; (48):1421-1455; (49):1474-1486; (50):1507-1516; (51):1543-1560; (52):1574-1592; 78(1):18-24; (3):98-109; (4):130-140; (5):168-175. Oct. 16, Nov. 6-Dec. 25, 1965, Jan. 1, 15-29, 1966. 41.8 V641
- 56124 BRITISH VETERINARY ASSOCIATION. Quarterly council meeting. *Vet. Rec.* 78(10):328-352. Mar. 5, 1966. 41.8 V641
Chiefly Committee reports.
- 56125 BRODAUF, H., and SCHONHERR, S. Basic questions of a documentation in veterinary medicine. (Ge) *Deut. Tierarztl. Wochensh.* 73(1):1-3. Jan. 1, 1966. 41.8 D482
English summary.
In relation to electronic data processing.
- 56126 BROWN, F., CARTWRIGHT, B., and ALMEIDA, J. D. The antigens of vesicular stomatitis virus. I. *J. Immunol.* 96(3):537-545. Ref. Mar. 1966. 448.8 J8232
- 56127 BRUYERE, P. Veterinary medicine and the nuclear sciences. 2. The effect of radiation on the genetic code and the synthesis of specific proteins. (Fr) *Ann. Med. Vet.* 109(8):585-611. Ref. Dec. 1965. 41.8 An78
- 56128 BUBIEN, Z., and WARTENBERG, L. On the toxicity of stale fish oils. (Pol) *Med. Weter.* 21(9):517-520. Ref. Sept. 1965. 41.8 M463
English summary.
- 56129 BUKHTIYAROV, A. I. Experimental foot-and-mouth disease in roe deer. (Rus) *Veterinariya* 9:41-43. Sept. 1965. 41.8 V6426

- 56130 BURCKHARDT, A. Some tasks in the field of veterinary history in the DDR, which avail themselves from the traditions of the profession in Germany. (Ge) *Monatsh. Veterinarmed.* 20(24):999-1004. Ref. Dec.15,1965. 41.8 M742
- 56131 BURUIANA, L. M., and HADARAG, E. The optimum ratio (P-P_i):($MgCl_2$) of the erythrocyte pyrophosphate-phosphohydrolase (E.C. 3611) in diverse animals and its significance. (Fr) *Naturwissenschaften* 52(22):620. Nov.15, 1965. 474 N213
Livestock.
- 56132 CARL, H., and SCHLEITER, H. Studies on sterilization measures of surgical accessories in various veterinary hospitals. (Ge) *Arch. Exp. Veterinarmed.* 19(4):1053-1076. Ref. Mar.1,1966. 41.8 Ex7
- 56133 CATENOT, J. V. Contribution a l'etude de la virulence des infections animales anaerobies [Contribution to the study of the virulence of anaerobic animal infections]. Lyon. Ecole Nat. Vet. These 28,77 p. Ref. 1965. 41.2 L99
Especially the clostridial diseases.
- 56134 CARPER, H. A., and MITTEN, J. Stabilization of the leukocyte DNA viscosity test with sodium lauryl sulfate. *Vet. Med./Small Anim. Clin.* 61(2):133,136-137. Feb.1966. 41.8 M69
- 56135 CHARTON, A. Some physico-pathological aspects of rumen. (Fr) *Rev. Pathol. Comp.* 66 (774):41-44. Jan.1966. 448.8 R326
English summary.
- 56136 CHEN, K. A symposium on medical and surgical practices on domestic animals. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:124-125. June 15,1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 9:836-837. 1964.
Issued by CFSTI.
- 56137 CHENCHEV, I. Accomplishments of the Bulgarian veterinary science. (Hu) *Magyar Al-latorv. Lapja* 21(2):78-79. Feb.1966. 41.8 V644
- 56138 COCKRILL, W. R. Patterns of disease. *Vet. Rec.* 78(8):259-267. Ref. Feb.19,1966. 41.8 V641
Transmission throughout the world, with special emphasis on hog cholera and rabies.
- 56139 CORBETT, D. M. Huge problems beset disease control in South-east Asia. *New Zeal. J. Agr.* 112(3):27,29. Mar.1966. 23 N48J
- 56140 CORREA, W. M., and NILSSON, M. R. Hepatitis due to equine abortion virus; comparison between the liver histology in human, canine, duckling, and equine viral hepatitis. *Can. J. Comp. Med. Vet. Sci.* 30(4):112-116. Ref. Apr. 1966. 41.8 C162
- 56141 DAFNI, I. The foot-and-mouth disease in Israel. Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1): 107-117. 1965. 26 L53
- 56142 DAHL, O., and PERSSON, K. A. Properties of animal depot fat in relation to dietary fat. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:59-63. Ref. 1962, pub.1965. TP368.15
- 56143 DASH, K. Bluetongue. *S. Australian Dairy-men's J.* 5(3):31-32. Nov./Dec.1965. 44.8 So86
- 56144 DATTA, S. K., and SINGH, C. M. Salmonella serotypes in domestic animals, birds and bone-meal. *Indian J. Vet. Sci. Anim. Husb.* 35(2): 121-125. Ref. June 1965. 41.8 In22
- 56145 DEAN, W. F., ZIMMERMAN, R. A., and SCOTT, H. M. Blood plasma shows whether diet has enough amino acids. Techniques developed to determine amino acid requirements of chicks have wide application in the study of human and animal nutrition. *Ill. Res.* 8(1):3-4. Winter 1966. 100 IL64
- 56146 DEDASH, V. G. Rating of labor for veterinary and sanitary experts. (Rus) *Veterinariya* 10: 96-98. Oct.1965. 41.8 V6426
- 56147 DENNIS, S. M. The effect of bacterial endotoxin on pregnancy. *Vet. Bull.* 36(3):123-128. Ref. Mar.1966. 41.8 T752
Review of the literature on the possible mechanism of endotoxin-induced abortion.
- 56148 DESLIENS, L. Contribution to the techniques of blood sampling, blood-letting and hemodynamics in birds, dogs, swine and calves. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(8):339-352. Oct.1965. 41.9 R24
- 56149 DINNIK, J. A., and DINNIK, N. N. The schistosomosomes of domestic ruminants in eastern Africa. *Bull. Epizoot. Dis. Afr.* 13(4):341-359, map. Ref. Dec.1965. 41.8 B872
- 56150 EIBERLE, K., and FISCHER, F. On the discussion of measures against rabies. (Ge) *Schweiz. Z. Forstwesen* 117(3/4):220-223. Mar./Apr.1966. 99.8 J82
- 56151 ENBERGS, H. Antigonadotropins in the view of the clinician and the endocrinologist with experiments in preparation and use of antisera to pregnant mare's serum gonadotropin (PMS). (Ge) *Deut. Tierarztl. Wochensh.* 72(14):313-319. Ref. July 15,1965. 41.8 D482
English summary.
- 56152 FASSI-FEHRI, M. Les substances adjuvantes et stimulantes de l'immunité; application a l'etude d'une huile interesterifiée [Adjuvant substances and stimulants of immunity; application to the study of an interesterified oil]. Lyon. Ecole Nat. Vet. These 18,119 p. Ref. 1965. 41.2 L99
Includes immunization of animals.
- 56153 EENAEME, C. C. VAN, BIENFAIT, J. M., and LAMBOT, O. The quantitative determination of volatile fatty acids in rumen liquor by gas chromatography. (Fr) *Ann. Med. Vet.* 109 (8):569-584. Ref. Dec.1965. 41.8 An78
English summary.
- 56154 FELLOWES, O. N. Influence of salts on foot-and-mouth disease virus. *Appl. Microbiol.* 14 (2):206-211. Ref. Mar.1966. 448.3 Ap5
Sodium chloride and magnesium chloride.
- 56155 FERRANDO, R. Veterinary teaching and its problems. (Fr) *Rec. Med. Vet.* 142(2):123-138. Feb.1966. 41.8 R24
In France.
- 56156 FERRARI, A., and PINI, T. Health improvement of livestock in the Province of Novara. (It) *Nuovo Prog. Vet.* 21(3):134,136,138,140, 142,144,146. Feb.15,1966. 41.8 P942
- 56157 FIZE, M. Recherches anatomiques sur le poumon et la ramescence broncho-vasculaire chez les ruminants [Anatomic research on the lungs and the branching of bronchial vessels in ruminants]. Lyon. Ecole Nat. Vet. These 11, 68 p. Ref. 1965. 41.2 L99
- 56158 FRIER, P. A. A simplified method of intestinal anastomosis. *Mod. Vet. Pract.* 47(4):72. Apr.1966. 41.8 N812
- 56159 GAGLIARDI, P. New methods of defense against livestock epizootics. (It) *Romagna Agr. Zootec.* 50(6):180-182. (Cont.) June 1965. 16 R66
Use of Josan as disinfectant.
- 56160 GAGLIARDI, P. New methods of defense against livestock epizootics. (It) *Romagna Agr. Zootec.* 50(7):207-210. (Cont.) July 1965. 16 R66
On Wescodyne, an iodophor compound germicide.
- 56161 GEC, M. Register of laws and regulations in Serbian principality in 1839. (Se) *Vet. Glas.* 19(9):741-742. 1965. 41.8 J93
Veterinary history.
- 56162 GENGOUX, P. On the subject of isopathy. (Fr) *Ann. Med. Vet.* 109(8):566-568. Ref. Dec.1965. 41.8 An78
A method of treating disease.

- 56163 GIZATULLIN, KH. G. The problem of genetic prophylaxis of diseases in animals. (Rus) Veterinariya 9:84-86. Sept.1965. 41.8 V6426 Breeding in disease resistance.
- 56164 GOMAZKOV, O. A. Mechanism behind the action of antibiotics. (Rus) Priroda [Moscow] 2: 63-64. Feb.1966. 410 P933 Effects on animals.
- 56165 GONNERT, R. Worm infection and problems of anthelmintic research. (Ge) Deut. Apoth.-Zeitung 106(4):95-102. Jan.27,1966. 396.8 Su2 Discusses the soil-animal-man cycle.
- 56166 GORET, P., and OUDAR, J. Animal listeriosis: frequency and probable incidence in man. (Fr) Rev. Pathol. Comp. 65(773):603-627. Ref. Dec.1965. 448.8 R326 English summary.
- 56167 GORET, P., and EUZEBY, J. Infectious diseases and parasitic diseases of animals transmitted to man. (Fr) Rev. Agr. France 41:5,7-9. June 1965. 14 R326
- 56168 GORET, P., and PROVOST, A. Viruses and animal cancers—reflections on the etiology and pathogeny of cancer. I. (Fr) Rec. Med. Vet. 142(2):83-94. Feb.1966. 41.8 R24
- 56169 GORET, P., and PROVOST, A. The viruses of animal cancers; reflections on the cause and development of cancer. II. (Fr) Rec. Med. Vet. 142(3):215-234. Mar.1966. 41.8 R24 English summary.
- 56170 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Animal health—a centenary, 1865-1965. London, 1965. 396 p. SF657.A5
- 56171 GRISHAYEV, N. I. Effect of growing period of Clostridium perfringens types B and D cultures on their immunogenic properties. (Rus) Veterinariya 10:23-25. Oct.1965. 41.8 V6426
- 56172 GROSCHEL, D., and WECKER, E. Further characterization of a subviral carrier of viral RNA in western equine encephalitis-infected tissue cultures. Arch. Gesamte Virusforsch. 17(5):669-672. 1965. 448.3 Ar23
- 56173 GUILLOT, L. Contribution to the history of veterinarians in the Revolution and the Empire. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):375-378. Nov.1965. 41.9 R24
- 56174 GULA, P. The up-to-date development of cooperation in the veterinary sector of the member states of RVHP [Council for Mutual Economic Assistance]. (Cz) Veterinarstvi 15(12):529-531. 1965. 41.8 V6439
- 56175 GUSHKIN, N. I., and DERYIAEV, A. M. More attention to prophylaxis of foot-and-mouth disease. (Rus) Zhivotnovodstvo 2:76-78. Feb. 1966. 49 Z6
- 56176 HAFEZ, E. S. E., and JAINUDEEN, M. R. Intersexuality in farm mammals. Anim. Breeding Abs. 34(1):1-15. Ref. Mar.1966. 241 Im72Ra Literature review.
- 56177 HAJNOCZKY, MRS. I. Efforts for achieving university rank of the Veterinary College (Allatorvostudományi Főiskola) during the Horthy regime. (Hu) Magyar Allatorv. Lapja 20(11): 517-519. Nov.1965. 41.8 V644
- 56178 HALL, R. A. Why foot-and-mouth disease must be kept out of Australia. Milk Board J. 17(3): 15-17. Mar.1966. 44.8 M5934
- 56179 HAPKE, H. J. Is the poisoning of pasturing animal by modern herbicide possible? (Ge) Prakt. Tierarzt 47(3):105-106. Mar.1,1966. 41.8 P882 In reference to article by R. Behne.
- 56180 HARRINGTON, D. D., and SLEIGHT, S. D. Leptospira pomona in tissue culture: preliminary study. Amer. J. Vet. Res. 27(116):249-256. Ref. Jan.1966. 41.8 Am3A
- 56181 HELFRE, J. A. La motricite reticulaire; donnees physiologiques et pharmacodynamiques [Motility in the reticulum; physiological and pharmacodynamic data]. Lyon. Ecole Nat. Vet. These 6,80 p. Ref. 1965. 41.2 L99
- 56182 HERBERG, H. Carrying out the medical science with man and animal. (Ge) Prakt. Tierarzt 47(2):91-95. Feb.1,1966. 41.8 P882 Legislation.
- 56183 HERBERG, H. Contribution to obligation of explanation before operations and interventions and of prospects. (Ge) Prakt. Tierarzt 47(4): 158-159. Apr.1,1966. 41.8 P882
- 56184 HERTER, R. Statistical investigations on veterinarians of western Germany. (Ge) Deut. Tierarztl. 14(3):89-92. Mar.5,1966. 41.8 D484
- 56185 HEUSSER, H. On the problem of earth rays. (Ge) Grune 93(37):1284-1286. Sept.10,1965. 17 Sch9 Effects on animal health.
- 56186 HOLDEMAN, R. W. The evolution of veterinary medicine and the character of appropriate recruitment, education, and employment. Diss. Abs. 26(3):1598-1599. Sept.1965. 241.8 M58
- 56187 HORVATH, Z. The development of veterinary internal medicine in the last 20 years. (Hu) Magyar Allatorv. Lapja 21(3):97-101. Ref. Mar.1966. 41.8 V644
- 56188 HOUSHOLDER, G. T., DOLLAHITE, J. W., and HULSE, R. Diphenylamine for the diagnosis of nitrate intoxication. Amer. Vet. Med. Ass. J. 148(6):662-665. Mar.15,1966. 41.8 Am3
- 56189 HOWELL, P. G. Recent advances in foot-and-mouth disease research. S. Afr. Vet. Med. Ass. J. 36(4):477-481. Dec.1965. 41.8 So8
- 56190 HRONOVSKY, V., BENDA, R., and CINATL, J. Propagation of street rabies virus in primary cultures of dog kidney cells. Acta Virol. 10(2): 181. Mar.1966. 448.3 Ac85
- 56191 HURKENS, R. M. Mineral composition of meadow grass and grass tetany. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorzichting Jaarnummer 1965:23-25. 12 N3833J
- 56192 HUSSON, J. P. Le remplacement en medecine veterinaire [Replacements in veterinary practice]. Lyon. Ecole Nat. Vet. These 14,41 p. Ref. 1965. 41.2 L99
- 56193 IVANOVSKII, S. A. The method of determination of non-organic phosphorus in blood serum. (Rus) Veterinariya 9:70-72. Sept.1965. 41.8 V6426
- 56194 JAHN, F. Piperazine and its derivatives. (Ge) Wien. Tierarztl. Monatsschr. 53(2):115-121. Ref. Feb.1966. 41.8 T345 English summary.
- 56195 JAUME, J. The professional veterinarian problem. (Sp) Cult. Mod. 48(6):216-217. June 1965. 15 C89
- 56196 JIRA, J., ROSICKY, B., and BOZDECH, V. Some aspects of the theory of natural foci in epizootology and epidemiology of toxoplasmosis. (Cz) Cesk. Parazit. 12:13-33. Ref. 1965. 436.8 C33 English summary.
- 56197 JOCHLE, W., and BARTELS, P. The application of a new cortisone derivative in the practice: notions and experiences. (Ge) Tierarztl. Umsch. 21(2):78,80-82,85. Ref. Feb.1,1966. 41.8 T445 Testing of Flumethason (Cortexilar) in various diseases.
- 56198 JOHANSEN, K. R. Shortage of veterinarians. (Da) Danske Dyrægefor. Medlemsbl. 49(4): 167. Feb.15,1966. 41.9 D23

- 56199 JOLLY, D. W., and WORDEN, A. N. Veterinary medicines. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:351-356. Ref. 1964. 382 M31R
Literature review.
- 56200 JONES, L. M. Pharmacy and veterinary medicine. Amer. Pharm. Ass. J. NS6(3):145-146. Mar.1966. 396.9 Am33Jo
- 56201 JURGENS-GSCHWIND, S. Sick plants—sick animals—sick men. (Ge) Ernahr.-Umsch. 12 (5):134-136. May 1965. 389.8 Er66
Toxic fungi.
- 56202 KAEMMERER, K., and BOLLMANN, V. Compatibility of German commercial coccidiostats. IV. Supplementary experimental data. (Ge) Tierarztl. Umsch. 21(4):182-185,187-189. Apr.1,1966. 41.8 T445
- 56203 KAPANADZE, K. S. Teaching of history of veterinary science. (Rus) Veterinariya 10: 113-114. Oct.1965. 41.8 V6426
- 56204 KASYUK, I., and MAKSIMOV, B. Advanced training of veterinary surgeons on higher level. (Rus) Veterinariya 10:104-106. Oct.1965. 41.8 V6426
- 56205 KATO, H., and others. A fundamental survey of listeria-agglutinin in animal blood. Iwate Univ. Fac. Agr. J. 7(1):1-5. Ref. Dec.1964. 107.6 Iw93
T. Murakami, K. Ono, Y. Hara, S. Furuuchi, K. Okui, H. Kimura, K. Suzuki, Y. Homma, K. Kawamata, and H. Yanagihara, joint authors.
- 56206 KATZ, I., and KEENEY, M. Metabolism of lipids in the rumen. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:55-57. 389.9 Un342
- 56207 KECK, G., and STERNLICHT, Y. The use of the thrombelastograph in veterinary medicine. (Ge) Berliner Muchener Tierarztl. Wochensh. 79(2):21-25. Ref. Jan.15,1966. 41.8 B45
English summary.
- 56208 KEMENY, A. The development of the Faculty of Biology [Elettani Tanszek] in the last 20 years. (Hu) Magyar Allatorv. Lapja 21(2):49-52. Feb.1966. 41.8 V644
Of the University of Veterinary Science [Allatorvostudományi Egyetem].
- 56209 KENDALL, S. B. Relationships between the species of Fasciola and their molluscan hosts. Advances Parasitol. 3:59-98. Ref. 1965. 436.8 Ad9
Review of the literature.
- 56210 KEPLER, C. R., and others. Intermediates and products of the biohydrogenation of linoleic acid by Butyrivibrio fibrisolvens. J. Biol. Chem. 241(6):1350-1354. Ref. Mar.25,1966. 381 J824
K. P. Hirons, J. J. McNeill, and S. B. Tove, joint authors.
- 56211 KETZ, H. A. Status of development and application of chemotherapeutics in animal production. (Ge) Monatsh. Veterinarmed. 20(21):869-875. Nov.1,1965. 41.8 M742
Includes antibiotics.
- 56212 KIELSTEIN, P., and KOTSCHKE, W. Studies on biochemical and serological differentiation of corynebacteria of animal and human origin. (Ge) Monatsh. Veterinarmed. 21(1):20-26. Ref. Jan.1,1966. 41.8 M742
- 56213 KISS, Z. Studies on the possibility of the more exact adjustment of the Brucella complement fixation antigen and of the complement fixation test. (Hu) Magyar Allatorv. Lapja 21(2):59-63. Feb.1966. 41.8 V644
English summary.
- 56214 KLEMM, W. R. Sleep and paradoxical sleep in ruminants. Soc. Exp. Biol. Med. Proc. 121(2): 635-638. Feb.1966. 442.9 Sol
- 56215 KNUDSEN, M. Experiences from the practice. (Da) Danske Dyrægefor. Medlemsbl. 49(8): 354-355. Apr.15,1966. 41.9 D23
- 56216 KOLOD'KO, V. D. Improving education of veterinary and sanitary experts. (Rus) Veterinariya 10:109. Oct.1965. 41.8 V6426
- 56217 KOUDELA, K. The present occurrence of saginata-cysticercosis in the CSSR. (Cz) Veterinarstvi 15(12):551-553. 1965. 41.8 V6439
- 56218 KOVACS, A. B. Main characteristics of our teaching reform plan. (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:15-16. 1965. 41.9 B85
Veterinary medicine.
- 56219 KOVACS, GY., and FEHER, GY. The development of the Faculty of Anatomy and Histology [Anatomiai és Szöveti Tanszék] in the last 20 years; future and methods of the anatomical research. (Hu) Magyar Allatorv. Lapja 21(3): 102-105. Mar.1966. 41.8 V644
Part of the University of Veterinary Science of Budapest [Allatorvostudományi Egyetem].
- 56220 KRAAI, J. The task of the veterinary inspector of public health in his district. (Du) Tijdschr. Diergeneesk. 90(25):1770-1781. Dec.1965. 41.8 T431
English summary.
Discussion, p.1783-1785.
- 56221 KRÁLIK, L. Extrahypophyseal gonadotropins in pregnant mares' serum and their application in veterinary gynecology. (Cz) Veterinarstvi 15(12):540-543. 1965. 41.8 V6439
- 56222 KRUYT, W. Distomatosis and the biology of the liver fluke [Fasciola hepatica]. (Du) Vakbl. Biol. 45(10):201-211. Ref. Oct.1965. 442.8 V22
- 56223 KUMSIEV, S. A. Metody obsledovaniya i terapii zhivotnykh s zabollevaniyami organov pishchevareniya [Examination methods and therapy of digestive organ diseases in livestock]. Moskva, Rossel'khizdat, 1965. 196 p. Ref. SF851.K8
- 56224 KURASHVILI, B. E., and GURCHIANI, K. R. Susceptibility of domestic animals to alveococcosis. (Geo) Akad. Nauk Gruz. SSR. Soobshch. 39(1):183-189. Ref. July 1965. 511 Ak146
Russian summary.
Caused by Alveococcus [i.e. Echinococcus] multilocularis, in baby pigs, lambs and calves.
- 56225 KUZNETSOV, L. R. Practical training at veterinary technical school. (Rus) Veterinariya 10:109-113. Oct.1965. 41.8 V6426
- 56226 KWAPINSKI, J. B. Serological and chromatographic characterization of exo-antigens of the Dermatophilus. Australian J. Exp. Biol. Med. Sci. 44(1):87-92. Feb.1966. 442.8 Au7
Isolated from livestock.
- 56227 LASZLO, F. Our ancient professional education of veterinarians. (Hu) Magyar Allatorv. Lapja 20(11):512-513. Nov.1965. 41.8 V644
- 56228 LEAT, W. M. F. Fatty acid composition of the plasma lipids of newborn and maternal ruminants. Biochem. J. 98(2):598-603. Ref. Feb. 1966. 382 B52
- 56229 LE BARS, H. Physiology of the rumen. (Fr) Rev. Pathol. Comp. 66(774):33-40. Ref. Jan.1966. 448.8 R326
English summary.
- 56230 LELONG, P. Les vétérinaires et l'économie contractuelle [Veterinarians and the contractual economy]. Lyon. Ecole Nat. Vet. These 30,67 p. Ref. 1965. 41.2 L99
As an extension of contract farming in France.
- 56231 LI, P. N. Prophylaxis of Haemosporidia and extermination of sources of infection by Piroplasma bigeminum. (Rus) Veterinariya 9:51-53. Sept.1965. 41.8 V6426

- 56232 LIENERT, E., and JAHN, F. Studies on the action mechanism of anti-trematode agents. I. Isomere 2,2'-methylenebis(trichlorophenol) which can form intramolecular hydrogen bond is effective against *Fasciola*. (Ge) Wien. Tierarztl. Monatsschr. 52(11):973-981. Nov. 1965. 41.8 T345
English summary.
Hexachlorophene action against *Fasciola hepatica*.
- 56233 LINDNER, R. Trichoncoscopy according to Dr. Lindner. (Ge) Prakt. Tierarzt 47(3):107-108. Mar.1,1966. 41.8 P882
Equipment.
- 56234 LOCHMANN, E. H. Why veterinary medicine history? (Ge) Tierarztl. Umsch. 21(2):74-78. Ref. Feb.1,1966. 41.8 T445
- 56235 LOJDA, L., and VEZNIK, Z. Suggested symbols for the swift and distinct expression of gynecological examinations of breeding females. (Cz) Veterinarstvi 15(12):553-558. 1965. 41.8 V6439
- 56236 LOPER, D. C., LITTLE, C. O., and MITCHELL, G. E. In vitro procedure for studying starch digestion by rumen microorganisms. J. Anim. Sci. 25(1):128-131. Feb.1966. 49 J82
- 56237 LORANT, M. Historical survey of Hungarian veterinary education. (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:5-7. 1965. 41.9 B85
- 56238 LUCIEN, G. Les zoonoses et les maladies professionnelles du vétérinaire [Zoonoses and the occupational diseases of the veterinarian]. Lyon. Ecole Nat. Vet. These 47,112 p. Ref. 1965. 41.2 L99
- 56239 LUCKEY, T. D. Gnotobiologic evidence for functions of the microflora. Potsdam. Inst. Ernähr. Ernährungsforsch. 10(2/3):192-250. Ref.,p.246-250. 1965. 386,3 P84
Intestinal.
- 56240 LUNGU, A., THEODORY, V., and DINU, I. Effect of meteorological factors on endocrine functions in livestock. (Rus) Zhivotnovodstvo 2:79-82. Ref. Feb.1966. 49 Z6
- 56241 LUTYNSKI, W. Antiepidemic regulations 120 years ago. (Pol) Med. Weter. 21(12):743-744. Dec.1965. 41.8 M463
- 56242 LUTYNSKI, W. Treatments performed in 1964 by veterinary service; statistical data. (Pol) Med. Weter. 21(9):563-566. Sept.1965. 41.8 M463
- 56243 MARKYAVICHUS, A., and CHAPAS, B. Leptospirosis of livestock in Lithuanian SSR. (Rus) Veterinariya 10:32-34. Oct.1965. 41.8 V6426
- 56244 MCQUEEN, J. L. The epizootiology of respiratory disease. I. A farm community oriented study of animal respiratory disease. II. Investigations of epizootic respiratory disease in horses. Diss. Abs. 26(8):4592-4593. Feb. 1966. 241.8 M58
- 56245 MEHNERT, B. Fungi of the intestinal tract. (Ge) Potsdam. Inst. Ernähr. Ernährungsforsch. 10(2/3):503-508. 1965. 386,3 P84
Animals and man.
- 56246 MEHNERT, B. Lactobacilli in animals. (Ge) Potsdam. Inst. Ernähr. Ernährungsforsch. 10(2/3):480-484. 1965. 386,3 P84
- 56247 MEISINGER, G. On the training of veterinary surgeons in the People's Republic of China. (Ge) Monatsh. Veterinarmed. 21(1):7-11. Jan.1,1966. 41.8 M742
English summary.
- 56248 MESZAROS, J. Review of native literature on the control of infectious animal diseases in the last 20 years. (Hu) Magyar Allatorv. Lapja 21(1):1-12. Jan.1966. 41.8 V644
- 56249 MICHELSEN, E. The Government Veterinary Institute for Virus Research [Statens Veterinære Institut for Virusforskning]. (Da) Danske Dyrægefor. Medlemsbl. 49(6):238-241. Mar.15,1966. 41.9 D23
- 56250 MILLS, J. H. L., and KERSTING, E. J. Accidental electrocution of farm animals. Amer. Vet. Med. Ass. J. 148(6):647-654. Ref. Mar.15,1966. 41.8 Am3
- 56251 MISRA, D. S., and NILAKANTAN, P. R. Heat-stable antigens common to *Listeria monocytogenes* and coagulase-negative *Staphylococcus aureus*. Indian J. Vet. Sci. Anim. Husband. 35(2):131-134. June 1965. 41.8 In22
- 56252 MITCHELL, C. A. The collection of veterinary medicine diplomas in the Archives of Canada. (Fr) Can. J. Comp. Med. Vet. Sci. 30(3):82-83. Mar.1966. 41.8 C162
English and French texts.
- 56253 MITTERPAK, J. Effect of macroorganisms and the parasite (*Fasciola hepatica*) upon the efficiency of antifasciolous preparations. (Ge) Helminthologia 6(1/4):155-164. Ref. 1965. 436.8 H36
English summary.
- 56254 MODERN VETERINARY PRACTICE. Can you use electrosurgery? Mod. Vet. Pract. 47(3):47-49,52-53. Mar.1966. 41.8 N812
- 56255 MODOR, V. Microscopic investigation of contaminating plants of meadow hay. (Hu) Magyar Allatorv. Lapja 21(2):71-74. Ref. Feb. 1966. 41.8 V644
English summary.
- 56256 MORNET, R. Du rôle de la femme du vétérinaire [On the role of the wife of the veterinarian]. Lyon. Ecole Nat. Vet. These 12,49 p. 1965. 41.2 L99
- 56257 MULLER, J., GUDAT, E., and LINDNER, H. Comparative paper electrophoretic studies on camel and cattle sera. (Ge) Arch. Exp. Veterinarmed. 19(4):1027-1036. Mar.1,1966. 41.8 Ex7
- 56258 MULLINS, J. Discovery and correction of deficiency diseases can pay dividends. New Zeal. J. Agr. 112(2):14-15,17. Feb.1966. 23 N48J
Livestock.
- 56259 NAGATY, H. F. A preliminary note on some parasites of food-producing animals and their intermediate hosts from Sierra Leone. Vet. Rec. 78(12):421-422. Mar.19,1966. 41.8 V641
- 56260 NAJARIAN, H. H. The zoonotic question in schistosomiasis. Tex. Rep. Biol. Med. 24(1):20-33. Ref. Spring 1966. 448.8 T31
Review of literature.
- 56261 NETHERLANDS. VEEARTSENLIJKUNDIGE DIENST. Achtste voorlichtingsdag [The eighth Educational Day of the Veterinary Service], 1965. Tijdschr. Diergeneesk. 90(25):1705-1789, map. Dec.1965. 41.8 T431
English summaries.
- 56262 NEUMAN, V., SVOBODOVA, Z., and SINDELROVA, K. Ornithine transcarbamylase in blood serum of horses, cattle, pigs and dogs. (Cz) Czech. Min. Zemdel. Les. Vod. Hospod. Ustav Vedeckotech. Inform. Vet. Med. 38(7):425-430. Ref. July 1965. 41.9 C333
English summary.
- 56263 NIKITIN, I. N., and KUDRYAVTSEV, A. P. Foot-and-mouth disease eradication. (Rus) Veterinariya 9:6-7. Sept.1965. 41.8 V6426
- 56264 OGUZ, T., and WIESENHUTTER, E. Endoparasite fauna of *Camelus dromedarius* in Syria. (Ge) Berliner Munchener Tierarztl. Wochenschr. 78(22):431-433. Ref. Nov.15,1965. 41.8 B45
English summary.

- 56265 PALMER, A. C. Introduction to animal neurology. Philadelphia, Davis, 1965. 143 p. Ref. SF895.P3
Bibliography, p.124-133.
Domestic animals.
- 56266 PARNAS, J., and others. Brucella phage adsorption phenomenon through chemical Brucella substrate. (Ge) Arch. Exp. Veterinarmed. 19(4):1095-1102. Mar.1,1966. 41.8 Ex7
S. Zalichta, M. Tuszkiewicz, and B. Sarnecka-Szunke, joint authors.
From Brucella bovis, B. suis, and B. melitensis.
- 56267 PARNAS, J., and ZALICHTA, S. Further data on the characteristics of Brucella phages: inactivation by antigenic acetone substrates of Brucella. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(3):145-150. 1965. 512 W262
Brucella bovis, B. suis, and B. melitensis.
- 56268 PARNAS, J. Polysaccharides and amino acids in brucellas and other parvobacteriaceae. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(4):498-503. Ref. 1965. 448. C33
English summary.
- 56269 PIGOURY, L., CHABASSOL, C., and STELLMANN, C. Sensitivity technique for detection in water of botulin-C toxin precipitated by methanol. (Fr) Acad. Vet. France. Bull. (n.s.) 38(8):319-323. Oct.1965. 41.9 R24
- 56270 PIN, M. Contribution a l'etude pharmacodynamique des ocytociques [Contribution to the pharmacodynamic study of oxytocins]. Lyon. Ecole Nat. Vet. These 48,127 p. Ref. 1965. 41.2 L99
- 56271 PITAVY, J. M. L'estimation des cholinesterases sanguines par une epreuve sur papier: application au diagnostic des intoxications par les anticholinesterasiques [The estimation of blood cholinesterases by a paper test: application to the diagnosis of poisoning by the anticholinesterases]. Lyon. Ecole Nat. Vet. These 53,60 p. Ref. 1965. 41.2 L99
Includes experiments with horses.
- 56272 POLYAKOV, A. Urgent problems of the veterinary sanitation. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:143-145. Feb.1966. 20 V633
Activities of the All-Union Research Institute for Veterinary Sanitation [Vsesoyuznyi Nauchno-Issledovatel'skii Institut Veterinarnoi Sanitarii].
- 56273 POLYKOVSKII, KH. T. No foot-and-mouth disease during transportation. (Rus) Veterinariya 9:86-90. Sept.1965. 41.8 V6426
- 56274 POURCELOT, A. L'antibiogramme en bacteriologie veterinaire; tests classiques et "Dadestat tray" [The antibiogram in veterinary bacteriology; classic tests and the "Dadestat tray"]. Lyon. Ecole Nat. Vet. These 25,134 p. Ref. 1965. 41.2 L99
Use of a tetrazolium compound to test bacterial sensitivity.
- 56275 PRIESTER, W. A., SCHIRMER, R. G., and RINES, M. P. A one-year analysis of veterinary patients, diagnoses, and operations at Michigan State University [College of Veterinary Medicine]. Amer. Vet. Med. Ass. J. 148(6):666-671. Mar.15,1966. 41.8 Am3
- 56276 PROKOPIC, J. The helminthofauna of Czechoslovak carnivores. (Cz) Cesk. Parazit. 12: 207-226. Ref. 1965. 436.8 C33
English summary.
Includes dogs, cats, and fur animals.
- 56277 PURSER, D. B., and BUECHLER, S. M. Amino acid composition of rumen organisms. J. Dairy Sci. 49(1):81-84. Ref. Jan.1966. 44.8 J822
- 56278 RABIE, C. J., and others. Toxicity of Aspergillus wentii Wehmer. So. Afr. J. Agr. Sci. 8(3):875-879. Sept.1965. 24 Su3
M. Terblanche, J. D. Smit, and W. A. De Klerk, joint authors.
To livestock.
- 56279 RAMIREZ VALENZUELA, M. Program of veterinary public health. (Sp) Panagra 5(62): 28-31. Dec.1965. 8 P196
Mexico.
- 56280 RINGARP, N. Some impressions and experiences on a study trip to the USA. (Sw) Svensk Veterinartidn. 17(11):359-362,371-375; (12): 388-396,405-415; (13/14):426-431. June-July, 1965. 41.9 Sv23
Chiefly on veterinary institutions and veterinary medicine.
- 56281 RISER, W. H. Veterinary education. S. Afr. Vet. Med. Ass. J. 36(4):433-438. Dec.1965. 41.8 So8
- 56282 RISLAKKI, V. Thoughts about post-graduate instruction as collaboration between the Scandinavian veterinary colleges. (Sw) Danske Dyrlaegefor. Medlemsbl. 49(6):250-251. Mar.15,1966. 41.9 D23
- 56283 ROBART, P. Contribution a l'etude de l'influence des oestrogenes sur la leucocytose [Contribution to the study of the influence of estrogens on leucocytosis]. Lyon. Ecole Nat. Vet. These 24,48 p. Ref. 1965. 41.2 L99
- 56284 ROSTOVTSEVA, I. A., and others. Immune and biological peculiarities of the virus strain of foot-and-mouth disease of Asia-1 type. (Rus) Veterinariya 9:15-17. Sept.1965. 41.8 V6426
P. N. Darda, S. F. Bashkatov, M. P. Gorelova, and N. V. Likhachev, joint authors.
- 56285 ROZIER, J. Rumen pathology in relation to meat hygiene. (Fr) Rev. Pathol. Comp. 66(774):45-49. Jan.1966. 448.8 R326
English summary.
- 56286 SAEZ, H. The maximum temperature for growth of Aspergillus fumigatus Fresenius and A. Havus Link. (Fr) Rec. Med. Vet. 142(3): 205-213. Mar.1966. 41.8 R24
English summary.
Cultures of Aspergillus isolated from various animals.
- 56287 SAINT AUBERT, G. DE., VALETTE, L. R., and PAPAGEORGIOU, C. Preparation and control of activity of a plurispecific anti-colibacillosis serum. (Fr) Acad. Vet. France. Bull. (n.s.) 38(9):439-446. Ref. Nov.1965. 41.9 R24
Includes discussion.
- 56288 SALESSE, C. Le 12833 RP salidiuretique sulfamide antioedemateux en medecine veterinaire [RP 12833, an anti-edema sulfamide diuretic salt used in veterinary medicine]. Lyon. Ecole Nat. Vet. These 1,124 p. Ref. 1965. 41.2 L99
- 56289 SALISBURY, R. M. Ruthless elimination of exotic animal diseases essential to safeguard N.Z. economy. New Zeal. J. Agr. 112(3):33, 35. Mar.1966. 23 N48J
- 56290 SANO, M. Actual information on livestock parasites in Middle and Near East, particularly in Syria. I. (Ja) Jap. Vet. Med. Ass. J. 18(12): 725-728, map. 1965. 41.9 J275
- 56291 SANO, M. Status of livestock parasites in the Near East including Syria. II. (Ja) Jap. Vet. Med. Ass. J. 19(1):35-38. 1966. 41.9 J275
- 56292 SARKISOV, A. KH., KOROLEVA, V. P., and NIKIFOROV, L. I. Production and application of griseofulvin for trichophytosis prophylaxis. (Rus) Veterinariya 12:18-21. Dec.1965. 41.8 V6426
- 56293 SCHELLNER, H. The zoonosis of toxoplasmosis and fetal injuries of man. (Ge) Kleintier-Praxis 10(8):222-226. Dec.1965. 41.8 K67
- 56294 SCHERER, R. K. Colonial morphology of Escherichia coli on tergitol-7 medium. Appl. Microbiol. 14(2):152-155. Mar.1966. 448.3 Ap5
Isolated from livestock.

- 56295 SCHIMMEL, D., and HLINAK, P. Contaminations of cell cultures by mycoplasmas. I. Isolation and morphology of mycoplasmas from permanent cell cultures. (Ge) *Monatsh. Veterinarmed.* 21(2):64-69. Ref. Jan.15,1966. 41.8 M742
English summary.
- 56296 SCHIOTT, C. R. With reference to the regional laboratory discussion. (Da) *Danske Dyr-laegefor. Medlemsbl.* 49(4):153. Feb.15,1966. 41.9 D23
- 56297 SCHIRMEISEN, D. The practicing veterinary profession in our society. (Ge) *Prakt. Tierarzt* 47(3):143-145. (Cont.) Mar.1,1966. 41.8 P882
- 56298 SCHIRMEISEN, D. The practicing veterinary profession in our society. (Ge) *Prakt. Tierarzt* 47(4):199-201. (Concl.) Apr.1966. 41.8 P882
- 56299 SCHNETZLER, E. Advice on the prevention of earth ray damages. (Ge) *Grune* 93(37):1287-1290. Sept.10,1965. 17 Sch9
To animals.
- 56300 SCHOOP, G., and LAMINA, J. The trichinocide effect of methyridine. (Ge) *Deut. Tierarztl. Wochensh.* 72(14):319-321. Ref. July 15,1965. 41.8 D482
English summary.
- 56301 SHALASH, M. R. Some reproductive aspects in the female camel. *World Rev. Anim. Prod.* 4:103-109. Ref. Oct./Dec.1965. 49 W89
Sex organs and diseases.
- 56302 SHAPOVALOVA, M. F. Method for isolation of *Bacillus anthracis* from the soil. (Rus) *Zhur. Mikrobiol. Epidemiol. Immunobiol.* 1:144-146. Jan.1966. 448.3 Z4
- 56303 SHAT'KO, P. D. Twenty fifth anniversary of Novosibirsk Veterinary Research Station [Novosibirskaya Nauchno-Issledovatel'skaya Veterinarnaya Stantsiya]. (Rus) *Veterinariya* 10:16-18. Oct.1965. 41.8 V6426
- 56304 SHISHKINA, K. A. Cultivation of foot-and-mouth disease virus in tissue cultures. (Rus) *Veterinariya* 9:17-19. Sept.1965. 41.8 V6426
- 56305 SHORT, D. J. Review of animal technician training, examination and qualification in Great Britain. *Lab. Anim. Care* 15(3):226-241, map. June 1965. 410.9 P94
- 56306 SHUL'TS, R. S., and DIKOV, G. I. Gel'minty i gel'myntozy sel'skokhozyaistvennykh zhivotnykh [Helminths and verminosis in livestock]. Alma-Ata, Izdatel'stvo Kainar, 1964. 388 p. Ref. SFS10.A385
- 56307 SILBERG, S. L. A study of the relative risk of *Staphylococcus* infection among human beings and animals in a veterinary hospital and clinic environment. *Diss. Abs.* 26(9):5385. Mar. 1966. 241.8 M58
- 56308 SKYDSGAARD, P. Instruction and the students. (Da) *Danske Dyr-laegefor. Medlemsbl.* 49(6):257-260. Mar.15,1966. 41.9 D23
Veterinary medicine.
- 56309 SLESINGER, L. Statistical evaluation of the activity of the internal section, Veterinary Hospital in Senica. (Cz) *Veterinarstvi* 15(12):558-560. 1965. 41.8 V6439
- 56310 SMITH, H. W., and HALLS, S. Observations on infective drug resistance in Britain. *Vet. Rec.* 78(12):415-420. Mar.19,1966. 41.8 V641
Resistance of *Escherichia coli* and of salmonellae especially to antibiotics; includes occurrence in livestock.
From British Medical Journal.
- 56311 SOMMER, H. Principles, importance and limits of enzyme diagnosis in heart and liver diseases. (Ge) *Kleintier-Praxis* 10(8):233-239. Ref. Dec.1965. 41.8 K67
Of livestock.
- 56312 SORENSEN, J. C. Concerning regional laboratories. (Da) *Danske Dyr-laegefor. Medlemsbl.* 49(4):154. Feb.15,1966. 41.9 D23
- 56313 SOUTH AFRICAN VETERINARY MEDICAL ASSOCIATION. Sixtieth annual scientific congress. *S. Afr. Vet. Med. Ass. J.* 36(4):441-444,447-449,451-459,461-474,477-481,483-488,491-500,509-512,515-519,521-524,527,534,537-544,547-553,581-583. Dec.1965. 41.8 So8
Addresses and papers presented, and minutes of annual general meeting.
- 56314 SPANGLER, D. H. Why we need specialty groups within AVMA. *Amer. Vet. Med. Ass. J.* 148(5):558-561. Mar.1,1966. 41.8 Am3
- 56315 SPENCER, R. P., and COULOMBE, M. J. Fractional duration of gestation: a basis for interspecies comparisons. *Growth* 29(4):349-353. Dec.1965. 442.8 G91
Includes cattle, dogs, and rats.
- 56316 STADER, R. M. A clinician's views of methoxyflurane anesthetic. *Calif. Vet.* 20(1):13-14, 34. Jan./Feb.1966. 41.8 C12
- 56317 STEFANIAK, W. 125th anniversary of the Veterinary School of Warsaw [Uczelnia Weterynaryjna]. (Pol) *Med. Weter.* 21(12):750-752. Dec.1965. 41.8 M463
Presently the Veterinary Faculty of the Main Agricultural School [Szkoła Główna Gospodarstwa Wiejskiego, Wydział Weterynaryjny].
- 56318 SUPPERER, R. Onchocercosis in animals. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(1):10-14. Ref. Jan.1,1966. 41.8 B45
English summary.
- 56319 SYURIN, V. N., and others. Principles of the study of foot-and-mouth disease genetic characters. (Rus) *Veterinariya* 9:11-14. Ref. Sept.1965. 41.8 V6426
V. F. Romanenko, N. N. Dryagalin, and V. P. Onufriev, joint authors.
- 56320 SZAKMARY, G., and NIEDERLEITNER, K. Lyophilization of living germ vaccines in a semi-industrial scale. (Hu) *Magyar Allatorv. Lapja* 21(1):32-37. Jan.1966. 41.8 V644
English summary.
- 56321 TAGAKI, J. Trends in progress of veterinary medicine. (Ja) *Jap. Vet. Med. Ass. J.* 18(8):34-37. 1965. 41.9 J275
- 56322 TERBLANCHE, M., and ADELAAR, T. F. A note on the toxicity of *Cotyledon orbiculata* L. *S. Afr. Vet. Med. Ass. J.* 36(4):555-559. Ref. Dec.1965. 41.8 So8
Toxicity to sheep, goats, and rabbits in South Africa.
- 56323 THORSELL, W. Aspects of possible methods for the control of the big liver fluke, *Fasciola hepatica*, in the future. (Sw) *Svensk Veterinaridn.* 17(21):683-685. Ref. Nov.1965. 41.9 Sv23
- 56324 TISSUER, H., and others. Histologic diagnosis of toxoplasmosis in animals. (Fr) *Rec. Med. Vet.* 142(1):15-23. Jan.1966. 41.8 R24
J. C. Guillon, A. Parodi, and M. Wyers, joint authors.
English summary.
- 56325 TITERA, P., KOUDELA, K., and ROBES, B. The diagnostic effects of the veterinary inspection of slaughter animals in CSSR in 1964. (Cz) *Veterinarstvi* 15(12):547-551. 1965. 41.8 V6439
- 56326 TODD, A. C. Control worms in your livestock. *SS (Southern States) Coop. Farmer* 21(8,i.e.9):12-14. Nov.1965. 280.28 C7854
- 56327 TYUTIKOV, F. M. Changeability of *Clostridium perfringens* type B caused by ultraviolet rays. (Rus) *Veterinariya* 9:19-21. Sept.1965. 41.8 V6426

- 56328 UBERREITER, O. The incidence and results of treatment of tumours in animals (dog, cat, horse). (Ge) Zentralbl. Veterinarmed. Reihe A, 12(8):711-744. Ref. Nov.1965. 41.8 Z5 English summary.
- 56329 VAN BLERK, N. S. The pathogenic Mycoplasma of domestic animals. S. Afr. Vet. Med. Ass. J. 36(4):547-553. Ref. Dec.1965. 41.8 So8
- 56330 VAN RENSBURG, S. J. Adrenal function and fertility. S. Afr. Vet. Med. Ass. J. 36(4):491-500. Ref. Dec.1965. 41.8 So8
- 56331 VASIL, M. Our experiences with tissue biostimulators. (Cz) Veterinarstvi 15(12):535-537. 1965. 41.8 V6439
- 56332 VERMEULEN, C. J. Introduction to the film "Tollwut, Gefahr für Mensch und Tier" ["Rabies, Danger to Man and Animals"]. (Du) Tijdschr. Diergeneesk. 90(25):1732-1736, map. Dec.1965. 41.8 T431 English summary.
- 56333 THE VETERINARY Surgeon's Bill. Vet. Rec. 78(8):288-292, 295-296; (9):309-311, 318-319; (10):353-359, 361; (11):384-386, 389-390; (15):527-532, 538-539. Feb.19-Mar.12, Apr.9, 1966. 41.8 V641
Discussions in the House of Lords, amended form, correspondence, and statements at the Royal College of Veterinary Surgeons' Council meeting.
- 56334 VETLUZHSKIKH, P. A., VERSHININ, I. I., and BERSENEV, V. P. Study of trichinosis of domestic and wild animals in Sverdlovsk Region. (Rus) Sverdl. S.-Kh. In-t. Tr. 12:388-390. 1965. 20 Sv2
Abstracted in Ref. Zh. Biol. 20(sect.K):11-12. Oct.1965. 241.7 R25
- 56335 VIERHELLER, R. C. Clinical experiences with indirect ophthalmoscopy. Mod. Vet. Pract. 47(4):41-44. Apr.1966. 41.8 N812
- 56336 VILLET, C. Les tourteaux de lin dans la toxicologie alimentaire du bétail [Linseed meal in the nutritional toxicology of livestock]. Lyon, Ecole Nat. Vet. These 13,72 p. Ref. 1965. 41.2 L99
- 56337 VOHRADSKY, F. Distribution and economic significance of animal diseases in Africa. Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1):119-129, map. 1965. 26 L53
- 56338 WAGEMANN, H. New legal orders on animal diseases. (Ge) Fleischwirtschaft 45(11):1318-1321. Nov.1965. 280.38 F62
Disease control and quarantine measures.
- 56339 WAGENER, K. Veterinary hygiene in the past, present, and future. (Ge) Zentralbl. Bakteriologie. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(1/3):28-37. Dec.1965. 448.3 C33
- 56340 WANG, G. T., and MARQUARDT, W. C. Survival of *Tetrahymena pyriformis* and *Paramecium aurelia* following freezing. J. Protozool. 13(1):123-128. Ref. Feb.1966. 439.8 J82
- 56341 WARD, G. M. Potassium metabolism of domestic ruminants—a review. J. Dairy Sci. 49(3):268-276. Ref., p.274-276. Mar.1966. 44.8 J822
- 56342 WARRINGTON, R. E. Density gradient centrifugation studies of vesicular stomatitis virus. Arch. Gesamte Virusforsch. 17(5):594-610. Ref. 1965. 448.3 Ar23
- 56343 WAVEREN, G. M. VAN. The use of living vaccines in veterinary medicine. (Du) Tijdschr. Diergeneesk. 90(25):1716-1724. Dec.1965. 41.8 T431
English summary.
Discussion, p.1729-1731.
- 56344 WAWRZKIEWICZ, J. The use of whey in the culture of the virus of Aujeszky's disease on chick embryo cells. (Pol) Med. Weter. 21(9):544-546. Ref. Sept.1965. 41.8 M463
English summary.
- 56345 WINTER, H., and SHEARD, R. P. The skewness of volume distribution curves of erythrocytes. Australian J. Exp. Biol. Med. Sci. 43(6):687-698. Dec.1965. 442.8 Au7
- 56346 YARNYKH, V. S. Mekhanizatsiya veterinarno-sanitarnykh rabot [Mechanization of veterinary hygiene work]. Moskva, Kolos, 1965. 288 p. Ref. SF757.12
- 56347 YONEMURA, T. Food poisoning in domestic animals. (Ja) Jap. Vet. Med. Ass. J. 18(11):1-8. Ref. 1965. 41.9 J275
- 56348 YOUSHAH, M. Blood urea nitrogen. Speculum 19(2):31-33, 37. Ref. Winter 1966. 41.8 Sp3
- 56349 ZAVAGLI, V. On Zooprophyllactic Institutes. (It) Nuovo Prog. Vet. 21(4):166-168. Feb.28, 1966. 41.8 P942
The Istituto Zooprofilattico of Brescia and others.
- 56350 ZEROBIN, K., and WINZENRIED, H. U. Synchronized induction of sexual cycle in swine, sheep and goat. (Ge) Schweiz. Arch. Tierheilk. 108(2):68-78. Ref. Feb.1966. 41.8 Sch9
English summary.
With progesterone compounds.
- 56351 ZHDANOV, V. M. Interrelationships between viruses and cells. (Rus) In Virusologiya i immunologiya 1964:113-137. Ref.
Review; includes animal viruses.
Abstracted in Ref. Zh. Biol. 19(sect.A):7. Oct.1965. 241.7 R25
- 56352 ZICHA, B., and POSPISIL, J. The effect of ionizing radiation on the Dische-positive-stuffs contents in urine and blood of irradiated animals. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(7):431-442. Ref. July 1965. 41.9 C333
English summary.
Swine, sheep, and dogs.
- 56353 ZIMOWSKI, A. The activity of transaminase GOT, GPT and aldolase in the serum of blood of clinically healthy cattle, horse and sheep. (Pol) Med. Weter. 21(12):740-743. Ref. Dec. 1965. 41.8 M463
- 56354 ZSIGMOND, L. The role of veterinarians in the public life of Hungary. (Hu) Magyar Allatorv. Lapja 20(11):483-486. Nov.1965. 41.8 V644
- 56355 ZWANENBURG, T. S. Governmental control on vaccines. (Du) Tijdschr. Diergeneesk. 90(25):1725-1729. Dec.1965. 41.8 T431
English summary.
Discussion, p.1729-1731.

MISCELLANEOUS

- 56356 AMERICAN SOCIETY OF ANIMAL SCIENCE. SOUTHERN SECT. Abstracts of papers presented at the meeting, February 7, 8 and 9, 1966, Jackson, Mississippi. J. Anim. Sci. 25(1):247-265. Feb.1966. 49 J82
- 56357 ANTHONY, W. E. Livestock slaughter trends have transformed industry. Agr. Situation [Washington] 50(4):4. Apr.1966. 1 Ec7Ag
- 56358 ANTHONY, W. E. Structural changes in the federally inspected livestock slaughter industry, 1950-62. U. S. D. A. Agr. Econ. Rep. 83, rev., 70 p., map. Feb.1966. A281.9 Ag8A
- 56359 BAVING, A. Eine übersicht über die gesetzlichen Tierschutzbestimmungen in sechzehn europäischen Staaten [A survey on the legal animal protection provisions in sixteen European states]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 1,43 p. Ref. 1965. 41.2 H198
- 56360 BELAK, S. Technological development relations in livestock product manufacture. (Hu) Magyar Mezogazdasag 21(6):15-17. Feb.9, 1966. 19 M27
Management of livestock farms.

- 56361 BENVENUTI, B. The cooperation of breeders. (It) *Esso Agr.* 15(1):30-31. Feb.1966. 58.8 Es7
Livestock.
- 56362 BRITISH VETERINARY ASSOCIATION. The Brambell Committee report: B.V.A. observations. *Vet. Rec.* 78(8):281-285. Feb.19,1966. 41.8 V641
Intensive livestock husbandry systems.
- 56363 BUTZKE, and KLEMPNOW. The identification of slaughter animals. (Ge) *Fleischermeister* 19(10):272-273. Oct.1965. 50.8 F622
- 56364 CANADIAN NATIONAL LIVE STOCK RECORDS. Sixty-first annual report of the Record Committee to the Record Board and record associations for the year 1965. Ottawa, 1966. 64 p. 49.9 C163
- 56365 CLYDE, D. Predators and the livestock industry. *Nat. Wool Grower* 56(4):11,32. Apr.1966. 45.8 N21N
- 56366 FACCINCANI, F., and PANELLI, F. The public slaughterhouse; study and planning. (It) *Mantova* 52:33-41. Jan./Feb.1966. 287 M315
- 56367 FARMER AND STOCKBREEDER. Year book and desk diary 1966. London, 1966. 300 p. 49 F22
- 56368 GERWECK, G. The situation of small slaughterhouses within the slaughter- and meat sanitary regulation. (Ge) *Tierarztl. Umsch.* 21(3):116,119-124. Mar.1,1966. 41.8 T445
- 56369 GONZALEZ, F. O. Problems and present trends in livestock development in Trinidad and Tobago. *Agr. Soc. Trinidad Tobago. J.* 65(4):487,489,491,493,495,497,499,501-502. Dec. 1965. 8 T73
- 56370 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. Experimental husbandry farms and experimental horticulture stations—sixth progress report. London, 1965. 70 p., map. 49.9 G7927
- 56371 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. BRIDGET'S EXPERIMENTAL HUSBANDRY FARM. Annual report No.6, 1965. Martyr Worthy, 1966. 40 p. 49.9 G792R
- 56372 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. DRAYTON EXPERIMENTAL HUSBANDRY FARM. Annual report 1965. Stratford-upon-Avon, 1965. 37 p.,map. 49.9 G7925
- 56373 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. HIGH MOWTHORPE EXPERIMENTAL HUSBANDRY FARM. 5th Annual report 1964. Duggleby, 1965. 49 p. 49.9 G796F
- 56374 HARASZTI, E., SZIGETHY, I., and RAFAI, P. The sour grasses as supplementary bedding materials. (Hu) *Magyar Allatorv. Lapja* 21(1):19-23. Jan.1966. 41.8 V644
English summary.
For cattle, horses and swine.
- 56375 ĻĀTVIETIS, YA. YA. Activities of the Latvian Research Institute for Livestock and Veterinary Science [Latviiskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva i Veterinariii] as presented on occasion of 13th convention of the Communist Party of the Soviet Union. (Rus) *Zhivotnovodstvo* 2:17-18. Feb.1966. 49 Z6
- 56376 LAWRIE, R. A. Factors influencing the composition and condition of meat. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:85-94. 1962, pub.1965. TP368.I5
- 56377 LOOSLI, J. K. Problems and prospects in animal science research. *J. Anim. Sci.* 25(1):244-246. Feb.1966. 49 J82
- 56378 LUNDQUIST, N. S. Introductory course in animal sciences. *J. Dairy Sci.* 49(3):328-330. Mar.1966. 44.8 J822
- 56379 MULLER, J. The further elaboration of the term "emergency slaughter." (Ge) *Deut. Tierarztl. Wochensh.* 73(3):63-65. Feb.1,1966. 41.8 D482
English summary.
- 56380 PASSERINI, C. Autumn livestock shows in mountain zones and in the Province of Sondrio. (It) *Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna* 19(1):17-22. Jan.1966. 287 So5
- 56381 PLASCHKE, W. Hygiene and economy. (Ge) *Fleischermeister* 19(10):253-254. Oct.1965. 50.8 F622
In slaughterhouses.
- 56382 PROKOPENKO, N. F. Increasing profits in the livestock meat production. (Rus) *Zhivotnovodstvo* 2:28-34. Feb.1966. 49 Z6
- 56383 ROSEN, H. Animal husbandry in Central America. (Sw) *Svensk Husdjursskotsel Ladugard.* 9:302-303. Sept.1965. 44.8 L12
Salvador.
- 56384 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER. HUSDYRBRUGSUDVALGET. Husdyrbruget [Animal husbandry], 1965, by H. Rasmussen. Aarhus, 1966. 194 p.,map. 43.9 Sa42
- 56385 SCHAFFRANKE, E. 80 years of the Dortmund slaughterhouse and yard. (Ge) *Schlacht- Viehhof-Zeitung* 65(5):185-186. May 1965. 286.85 D48
- 56386 SCHAFFRANKE, E. 80th anniversary of the Dortmund slaughterhouse and stock market. (Ge) *Fleischwirtschaft* 45(8):949-951. Aug. 1965. 280.38 F62
English summary.
- 56387 STRADELLI, A. Rebuilding of the Turin slaughterhouse. (Ge) *Schlacht- Viehhof-Zeitung* 65(5):171-176. May 1965. 286.85 D48
Text also in French.
- 56388 TAGGART, W. F. A critical analysis of the short-course system in selected facets of extension animal science teaching and program planning. *Diss. Abs.* 26(3):1461-1462. Sept. 1965. 241.8 M58
- 56389 VERGES, J. B. Climate and domestic animals. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 214:73-74. Oct.1965. 9 Id3
- 56390 WARD, G. M. Combined introductory animal science. *J. Dairy Sci.* 49(3):327-328. Mar. 1966. 44.8 J822
Teaching.

CATTLE

Breeds and Breeding

- 56391 ADLER, H. C. Bovine genital vibriosis; transmission through deepfrozen semen and its prevention by streptomycin treatment. *Nord. Veterinaarmed.* 18(1):30-33. Ref. Jan. 1966. 41.8 N813
Vibrio fetus in bull stud.
- 56392 ALBA, J. DE, and RIERA, S. Sexual maturity and spermatogenesis under heat stress in the bovine. *Anim. Prod.* 8(1):137-144. Ref. Feb. 1966. 49 An55
In study of A. I. bulls.
- 56393 AMERICAN GUERNSEY CATTLE CLUB. The performance register. Volume XIX; data from January 1, 1965 to January 1, 1966. Peterborough, N. H., 1966. 632 p. 43.9 Am33P
- 56394 ARBUCKLE, J. Preparing bulls for show. *Queensland Agr. J.* 92(3):172-182. Mar.1966. 23 Q33
- 56395 ASOCIACION ARGENTINA DE CRIADORES DE SHORTHORN. The Shorthorn breed. (Sp) *Soc. Rural Argent. An.* 99(5):16-21,67. May 1965. 9 So1

- 56396 ASOCIACION CRIADORES DE HOLANDO ARGENTINO. The Holando Argentino. (Sp) Soc. Rural Argent. An. 99(3):16-22,39. Mar.1965. 9 So1
- 56397 BAEKKEDAL, H. NRF is 30 years old. (No) Buskap Avdratt 17(3):131-137,139,150. 1965. 49 B96
The Breeding Association for Norwegian Red-and-White cattle [Avlslaget for NRF].
- 56398 BAHR, H. Mikrospektrophotometrische Untersuchungen zur Bestimmung der Desoxyribonukleinsäure (DNS) in Samenzellen von Bullen [Microspectrophotometric studies for determining desoxyribonucleic acid (DNS) in sperm cells of bulls]. Münich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 1,57 p. Ref. 1965. 41.2 M9222
- 56399 BAILEY, C. M., PROBERT, C. L., and BOHMAN, V. R. Growth rate, feed utilization and body composition of young bulls and steers. J. Anim. Sci. 25(1):132-137. Ref. Feb.1966. 49 J82
Includes effects of stilbestrol.
- 56400 BAKER, F. H. Beef cattle improvement; a handbook for county agents. U. S. D. A. Agr. Handbook 299,14 p. Jan.1966. 1 Ag84Ah
Breeding records.
- 56401 BARTHE, J. The Adamaoua herd book. (Fr) Cameroun Agr. Past. Forest. 88:64-68. June 1965. 24 C353
- 56402 BEKEDAM, M. Some aspects of cattle breeding policies in the Netherlands. (Du) Veeteelt Zuivelber. 8(7/8):292-300. July/Aug.1965. 49 V51
- 56403 BERGE, S. Variation and error of the standard deviations within groups in the Danish bull testing stations. World Rev. Anim. Prod. 4:79-84. Oct./Dec.1965. 49 W89
- 56404 BERNARDINI, G. Criteria of selection for bulls. (It) Aliment. Anim. 9(8/9):356-357. Aug./Sept.1965. 389.78 AL4
- 56405 BEUKEBOOM, J. A., and POLITIEK, R. D. Structure of Dutch Friesian cattle breeding in the artificial insemination associations in Friesland, North-Holland and Drenthe-Overijssel. (Du) Veeteelt Zuivelber. 8(12):505-512. Dec.1965. 49 V51
- 56406 BONSMMA, J. C. The newest livestock technique: visual indicators of fertility. II-III. (Sp) Agr. Amer. 14(8):54,56; (9):30,32,40,42. Aug.-Sept.1965. 58.8 Ag832
Studied in cattle.
- 56407 BOTHA, J. P. From our Agricultural Attache in Europe. Do you know this cattle breed? Farming S. Afr. 41(12):52-53. Mar.1966. 24 So842
Welsh Black breed.
- 56408 BRITISH FRIESIAN CATTLE SOCIETY. Annual report and accounts for the year ending December 31st, 1965. Lewes, 1966. 24 p. 43.9 B772A
- 56409 CARIA, E. The Jersey cattle breed in Sardinia. (It) Agr. Italia 11(5):35-47. May 1965. 16 Ag8232
- 56410 CARR, W. R., CONDY, J. B., and BURROWS, P. M. Transferrin polymorphism of indigenous cattle in Rhodesia and Zambia. Anim. Prod. 8(1):59-64. Ref. Feb.1966. 49 An55
Genetic importance.
- 56411 CHAN DIN MIEN. Inheritance of lactescence and milk fat contents in case of hybridization of Black Pied Lowland and Zebu cattle. (Rus) Zhivotnovodstvo 3:91-94. Mar.1966. 49 Z6
- 56412 COZZI, P. The Zebu in Somalia. (It) Riv. Agr. Subtrop. Trop. 59(1/3):61-77. Ref. Jan./Mar.1965. 26 Ag82
English summary, p.6 of supplement.
- 56413 CROWLEY, J. P. The effect of Charolais bulls on calving performance. Irish Agr. Creamery Rev. (n.s.)19(388):5-8. Apr.1966. 44.8 C866
- 56414 CURRIE, J. R., and WILKINSON, P. Beef from the dairy herd; a comparison of South Devon and Charolais crosses. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):58-62. Feb.1966. 10 G79J
- 56415 CZAKO, J. Breeding methods and processes in cattle production. (Hu) Mezogazdasagi Vilagirodalom 7(6):517-523. Ref. 1965. 19 M577
Review of literature.
- 56416 DAMM, H. J. Beziehungen zwischen Milchleistung und Fruchtbarkeit beim Rind; Untersuchungen in Grünlandbetrieben [Relations between milk production and fertility of cattle; studies in grassland farms]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 5,41 p. Ref.,p.35-38. 1965. 41.2 H198
- 56417 DEESE, R. E. A genetic evaluation of fertility and pre-weaning growth rate in Brahman and crossbred cattle. Diss. Abs. 26(3):1259-1260. Sept.1965. 241.8 M58
- 56418 DIETZ, R. W., and FLIPSE, R. J. Metabolism of bovine semen. XIV. Transport of glycine by bovine spermatozoa. J. Dairy Sci. 49(1):85-88. Ref. Jan.1966. 44.8 J822
- 56419 DIMITRIEV, V. D. Determination of ketosteroids in bull urine. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:111-116. Ref. Mar.1966. 20 V633
- 56420 DUPLAN, M. Results and limits of selection. (Sp) Argent. Junta Nac. Carnes 3(17):15-17, 51. Nov./Dec.1964. 50.9 Ar33R
Cattle.
- 56421 DUTT, M., and DESAI, R. N. Study of economic characters of the herd of Gangatiri to Hariana at government livestock farm, Arazi-lines, Varanasi, U.P. Indian J. Vet. Sci. Anim. Husband. 35(2):178-183. June 1965. 41.8 In22
- 56422 EIBL, K. Frozen semen—fresh semen in view of the field insemination stations (a comparison). (Ge) Tierarztl. Umsch. 21(2):51-54. Feb.1,1966. 41.8 T445
Cattle.
- 56423 FORENINGEN AF INSEMINERINGSDYRLAEGER. Reflections in connection with the dissolution of the Association of Artificial Insemination Veterinarians. (Da) Danske Dyrlaegerfor. Medlemsbl. 49(5):183-184. Mar.1,1966. 41.9 D23
Artificial insemination of cattle.
- 56424 FORENINGEN AF JYDSKE LANDBOFORENINGERS HUSDYRBRUGSUDVALGET. Kvaegavlen i Jylland 1965; med et tillæg om kvaegbesætninger under tilsyn [Cattle breeding in Jutland 1965; with a supplement on cattle herds under inspection], by H. Rasmussen. Aarhus, 1966. 158 p. 11 J98
Dairy cattle.
- 56425 GABRIS, J., and KOLDE, K. Relations between the measurements of the pelvis and the productive capacity of udder of Jersey cattle breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(11):817-826. Ref. Nov.1965. 49.9 C33
English summary.
- 56426 GAINES, J. A., and others. Heterosis from crosses among British breeds of beef cattle: fertility and calf performance to weaning. J. Anim. Sci. 25(1):5-13. Ref. Feb.1966. 49 J82
W. H. McClure, D. W. Vogt, R. C. Carter, and C. M. Kincaid, joint authors.
- 56427 GEHLE, H. S. J. Improve your beef cattle. 1. Breeding, breeding characteristics, methods of mating. Farming S. Afr. 41(12):24,49,51. Mar.1966. 24 So842
- 56428 GILLETTE, E. L. Morphology of bovine epididymal spermatozoa after X-irradiation of testes. Diss. Abs. 26(9):5512. Mar.1966. 241.8 M58
- 56429 GRAVIR, K., and BJORKOY, J. Progeny testing at Nordvi 1963-65. (No) Buskap Avdratt 17(3):180-182. 1965. 49 B96
Bulls.

- 56430 GREGORY, K. Hereditary defects of beef cattle. *Cattleman* 52(10):41,60-62. Mar.1966. 49 C29
- 56431 GROSCLAUDE, F., and others. Genetic determinism of casein kappa of cattle milk: close relation of locus casein kappa with the loci of casein alphas and casein beta. (Fr) *Acad. Sci. Compt. Rend.* 261(23):5229-5232. Ref. Dec.8,1965. 505 P21
J. Pujolle, J. Garnier, and B. Ribadeau-Dumas, joint authors.
- 56432 GUBAREVICH, YA. G., and TERESHKOV, A. S. Increasing the productive ability of cattle. (Rus) *Veterinariya* 9:79-81. Sept.1965. 41.8 V6426
- 56433 HASEK, A., and NAROVNY, J. Experimental fattening of bulls in the area of fluorine pollution caused by aluminum plants at Ziar on Hron River. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 38(11):827-836. Ref. Nov.1965. 49.9 C33
English summary.
- 56434 HEALEY, J. S. A cause of infertility in cattle-malnutrition. *Agr. Gaz. New S. Wales* 77(1):38-39. Jan.1966. 23 N472
- 56435 HOEKSTRA, P. Meeting again with Indonesia. (Du) *Tijdschr. Diergeneesk.* 91(5):293-299. Mar.1,1966. 41.8 T431
English summary.
Cattle breeding and veterinary medicine.
- 56436 HOFFMAN, W. F. Lyophilization studies on bovine spermatozoa. *Diss. Abs.* 26(9):4926-4927. Mar.1966. 241.8 M58
- 56437 HOGREVE, F., and KOCH, J. Milk fat content of cattle in animal breeding aspect and in its relation to blood group factors; studies on Black Pied Lowland cattle. (Ge) *Tierarztl. Umsch.* 21(2):69-74. Ref. Feb.1,1966. 41.8 T445
- 56438 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Annual report, 1965. Brattleboro, Vermont, 1966. 32 p. 43.9 H74C
- 56439 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book, March 15, 1965 to June 1, 1965. Brattleboro, Vermont, 1965. unpag. 43.9 H74
- 56440 HUCKO, V., KUZINA, Z., and DURECKO, J. Comparison of slaughter values of fattening bulls of the Czechoslovak Red Spotted, Red Danish, and their hybrids of the F₁ generation. (Cz) *Pol'nohospodarstvo* 12(2):114-123. Ref. 1966. 19.5 P752
English summary.
- 56441 HULTNAS, C. A. Freezing technique in artificial insemination work. (Sw) *Svensk Veterinartidn.* 17(16):511-514. Aug.1965. 41.9 Sv23
Bull semen.
- 56442 JACZEWSKI, S. Interrelationship between the value of electroejaculation of bulls and percent of artificial insemination of cows. (Pol) *Med. Weter.* 21(9):557-558. Sept.1965. 41.8 M463
- 56443 JASKOWSKI, L. Bacterial contaminations of bull semen and their significance for viability and fertilization. (Pol) *Med. Weter.* 21(9):552-557. Ref. Sept.1965. 41.8 M463
- 56444 JENSEN, E. L. Empirical sampling estimates of components of variance. *Diss. Abs.* 26(9):4927. Mar.1966. 241.8 M58
In cattle genetics.
- 56445 KLEEMANN, M. Untersuchungen über die Wirkung von Phosphat-Ionen auf Atmung und Fruktolyse von Spermien aus Nebenhodenschwanz und Samenleiterampulle von Bullen [Studies on the effect of phosphate ions on respiration and fructolysis of sperms from epididymis and spermatic duct ampulla of bulls]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 12,45 p. Ref. 1965. 41.2 M9222
- 56446 LE ROY, H. L. Principle of the combination of n mean to a total mean. (Ge) *Schweiz. Landwirt. Forsch.* 4(4):360-362. 1965. 17 Sch99
With possible application to cattle breeding.
- 56447 LINCOLN RED CATTLE SOCIETY. Lincoln Red herd book. Vol. 65. Lincoln, 1965. 134 p. 43.9 L632
- 56448 MALOSSINI, F., and PILLA, A. M. Repeatability and heritability of milk production in buffaloes. (It) *Ann. Sperim. Agr. (n.s.)* 17(5/6):455-470. Ref. 1963, pub.1965. 16 An76
English summary.
- 56449 MARIN, P. The great dairy cattle breeds. (Fr) *Tech. Lait., Spec.No.* 13:40-42. Oct.25, 1965. 44.8 Of2
- 56450 MARTIN, T. G., DOUGLASS, L. W., and GARWOOD, V. A. Growth and carcass characteristics of Angus bulls and steers. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 253,4 p. Apr.1966. 100 In2Res
- 56451 MASKEN, J. F. Oxidative metabolic pathways in bovine spermatozoa. *Diss. Abs.* 26(9):5515. Mar.1966. 241.8 M58
- 56452 MERKUR'EVA, E. K., and NIKOLAEV, D. I. Use of bioluminescent method in determination of quantitative adenosine triphosphate content in sexual cells of bull. (Rus) *Zhivotnovodstvo* 3:87-90. Mar.1966. 49 Z6
- 56453 MILLOT, P. Blood groups in Charolais cattle; study of the B locus alleles of the bulls used for artificial insemination. (Fr) *Inst. Pasteur. Ann.* 110(3,sup.):171-180. Ref. Mar.1966. 448.3 An75
English summary.
- 56454 MORTON, B. E. Studies on sperm metabolism. *Diss. Abs.* 26(9):5014-5015. Mar.1966. 241.8 M58
Cattle.
- 56455 MULLER, W. Thoughts on modern methods of evaluating breeding value and planning of breeding. (Ge) *Forderungsdienst* 13(5):151-155. May 1965. 19 F75
Cattle in Austria.
- 56456 NIELSEN, E., and VESTH, B. Cross breeding of cattle. (Da) *Alt Nyeste Landbrug, Havebrug, Husholdning* 12:34-41. 1965. 33.11 AL7
- 56457 NOORDSY, J. L. Inguinal herniorrhaphy in the bovine male. *Vet. Med./Small Anim. Clin.* 61(2):147-150. Ref. Feb.1966. 41.8 M69
- 56458 OYAERT, W., MOOR, A. DE, and VERSCHOTEN, F. Perforation of a persistent urachus canal of a bull. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(9/10):314-317. Sept./Oct.1965. 41.8 V84
English summary.
- 56459 OZKOCA, A. Karacabey, Cifteler haralari ile Lalahan Zootečni Arastirma Enstitusunde, sun'i tohumlamada kullanilan ineklerde gebeligi tesir eden sebepler uzerinde arastirmalar [Artificial insemination techniques and their effect on the fertility of cows at Karacabey, Cifteler State Farm and Lalahan Animal breeding Research Institute are studied in this investigation]. *Ankara. Lalahan Zooteck. Arastirma Enstitusu. Yayin* 19,32 p. Ref., p.30-32. 1966. 40.19 An42
English summary.
- 56460 PERTICARA, G. Artificial insemination and genetic improvement. (It) *Agr. Venezia* 20(1):3-10. Jan.1966. 16 Ag826
Cattle.
- 56461 PILLA, A. M. The speed of the genetic improvement and the generation interval. (It) *Ann. Sperim. Agr. (n.s.)* 17(5/6):663-680. 1963, pub.1965. 16 An76
English summary.
Cattle.

- 56462 PILLA, A. M., and MALOSSINI, F. Variations in milk production and in its components during the lactation and their interrelations in the Friesian breed. (It) Ann. Sperim. Agr. (n.s.) 18(1/2):211-241. Ref., p.238-241. 1964, pub. 1966. 16 An76
English summary.
- 56463 PURSEL, V. G. Studies concerning the effect of glycerol equilibration on survival of frozen spermatozoa and the lipid composition of bovine spermatozoa and seminal plasma. Diss. Abs. 26(9):5017. Mar.1966. 241.8 M58
- 56464 QUARTERMAIN, A. R. Effect of scale of measurement on estimation of genetic parameters. Diss. Abs. 26(9):4930. Mar.1966. 241.8 M58
In cattle.
- 56465 RADNAI, I. Balanoposthitis chronica of bulls caused by virus. (Hu) Magyar Allatorv. Lapja 21(3):135-136. Ref. Mar.1966. 41.8 V644
- 56466 RAIMONDI, R. Results of a research on the reproductive aptitudes of "double muscled" cows of the Piedmontese breed. (It) Ann. Sperim. Agr. (n.s.) 17(5/6):471-489. 1963, pub. 1965. 16 An76
English summary.
- 56467 RARA, B.A., and others. Body temperature, pulse rate, respiration rate and heat tolerance index. II. Santa Gertrudis cattle in Calatagan, Batangas. Philippine Agr. 49(1):43-46. Ref. June 1965. 25 P542
A. T. Arpon, V. G. Arganosa, and G. V. Garcia, joint authors.
- 56468 RAY, S. C. Milk for Calcutta's millions. Indian Dairyman 18(2):61-65, 67-69, 71-74, map. Feb.1966. 44.8 In282
Includes breeding of cattle.
- 56469 RIONI, M., and LANARI, D. Experimental contribution to the study of production of beef calves in the Friesian breed. (It) Riv. Zootec. 39(2):90-102. Feb.1966. 49 R52
- 56470 ROB, O., and others. Contributions to the amelioration of the cattle insemination. (Cz) Veterinarstvi 15(12):543-546. 1965. 41.8 V6439
- 56471 ROWNTREE, J. How shall we get those extra calves? Milk Prod. [London] 13(3):80-81. Mar.1966. 280.38 M598
Hybridized beef.
- 56472 RUMLER, R. H. The Holstein-Friesian cattle in the United States. (Sp) Vida Agr. [Lima] 42(497):206-209. Apr.1965. 9.8 V66
- 56473 RUSSIAN SFSR. GLAVNOE UPRAVLENIE PLEMENNOGO DELA. Gosudarstvennaya plennaya kniga krupnogo rogatogo skota cherno-pestroi porody [State cattle herdbook of Black Pied Lowland breed], Vol. 8. Moskva, Rossel'khozizdat, 1965. 263 p. 43.9 R92
- 56474 SCHOLZ, F. Current problems of beef production. (Ge) Ubersicht 17(4):280-282. Apr.9, 1966. 18 Ub3
Breeds.
- 56475 SCHWARZ, E. "Time"—an important factor in bull testing. (Ge) Tierarztl. Umsch. 21(4):161-163. Ref. Apr.1, 1966. 41.8 T445
- 56476 SEEDORF, W. Must bulls kill men? (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):462-463. Mar.17, 1966. 18 N39
- 56477 SIMIONATO, P. 1965—fifteenth year of activity of the S. Dona di Piave Bull Center for Artificial Insemination [Centro Tori per la Fecondazione Artificiale]. (It) Gior. Econ. 1:25-33. Jan.1966. 280.8 G432
- 56478 SIMOULIN, J. L. Le Zebu de l'Azaouak; l'amelioration de l'elevage en zone sahelienne [The Zebu of Azaouak; improvements in raising in the region of Sahel]. Lyon. Ecole Nat. Vet. These 32,168 p., map. Ref. 1965. 41.2 L99
- 56479 SNICK, G. VAN, and FRANCOIS, A. Artificial insemination in 1964. (Fr) Rev. Agr. [Brussels] 19(1):37-54. Jan.1966. 13 R322
Cattle.
- 56480 SOLLER, M., and SHILO, A. A note on heritability of live-weight-for-age in Israel-Friesian dairy bull calves and its genetic correlation with milk production. Anim. Prod. 8(1):157-158. Feb.1966. 49 An55
- 56481 SOLLER, M., BAR-ANAN, R., and PASTERNAK, H. Selection of dairy cattle for growth rate and milk production. Anim. Prod. 8(1):109-119. Ref. Feb.1966. 49 An55
- 56482 SOVERS, E. E., and EIKHE, M. M. Research-Experiment farm "Krimulda" enters into competition to honor the 13th convention of the Communist Party of the Soviet Union. (Rus) Zhivotnovodstvo 2:19. Feb.1966. 49 Z6
Cattle and swine breeding.
- 56483 SPALDING, R. W. The bull: at least 80 percent of the herd. Dairymen's League News 50(7):6-7. Apr.6, 1966. 44.8 D1432
For milk production.
- 56484 STROM, B. Experiments with deep freezing of bull semen in the form of pellets. (Sw) Svensk Husdjursskotsel Ladugard. 9:268-269. Sept. 1965. 44.8 L12
- 56485 SYRSTAD, O., BRANDT-MADSEN, H., and SKJERVOLD, H. Structure of the NRF breed. (No) Buskap Avdratt 17(3):153-155, 178-179. 1965. 49 B96
Chiefly progeny records.
- 56486 SZABO, J., and SZALAY, J. Observations on the effect of blood on the bull semen. (Hu) Magyar Allatorv. Lapja 21(3):137-138. Mar. 1966. 41.8 V644
- 56487 TAVEGGIA, T. Bases and objectives of cattle and dairy cattle selection. (It) Agr. Italia 11(7):39-52. July 1965. 16 Ag8232
- 56488 THOMSON, R. G. A study of vertebral body osteophytes in bulls. Diss. Abs. 26(9):5381-5382. Mar.1966. 241.8 M58
- 56489 TOUCHBERRY, R. W., and BERESKIN, B. Crossbreeding dairy cattle. I. Some effects of crossbreeding on the birth weight and gestation period of dairy cattle. J. Dairy Sci. 49(3):287-300. Ref. Mar.1966. 44.8 J822
- 56490 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. DHIA sire summary list, August 1963-November 1965: Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, Red Dane, mixed breed, and Red Poll sires. U. S. Agr. Res. Serv. ARS 44-172,334 p. Mar.1966. A49.9 R31A
- 56491 VAN VLECK, L. D. Environmental correlations in sire evaluation. J. Dairy Sci. 49(1):56-60. Jan.1966. 44.8 J822
Lactation records.
- 56492 VAN VLECK, L. D., and BRADFORD, G. E. Genetic and maternal influence on the first three lactations of Holstein cows. J. Dairy Sci. 49(1):45-52. Ref. Jan.1966. 44.8 J822
- 56493 VAN VLECK, L. D. Heritability estimates of milk production with different numbers of records per sire by herd subclass. J. Dairy Sci. 49(1):53-55. Jan.1966. 44.8 J822
- 56494 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Blaarkop [Yearbook. Whiteheads], 1965. n.p., 1965. 55 p. 43.9 N28
Preface and table of contents also in English. Groningen.
- 56495 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Roodbont [Yearbook. Red Pied], 1965. n.p., 1965. 98 p. 43.9 N28
Preface and table of contents also in English. Meuse-Rhine-Yssel.
- 56496 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Zwartbont [Yearbook. Black Pied], 1965. n.p., 1965. 241 p. 43.9 N28
Preface and table of contents also in English. Dutch Friesian.

- 56497 VIL'CHINSKII, A. D., and ALESHIN, A. A. Role of the breeding farm "Krasnaya Zvezda" in improving Black Pied Lowland cattle in Belorussia. (Rus) Zhivotnovodstvo 2:14-17. Feb.1966. 49 Z6
- 56498 WICKINGEN, H. Osteoma in a bull. (Ge) Schlacht- Viehhof-Zeitung 65(5):197. May 1965. 286.85 D48
Text also in French.
- 56499 YEFREMOV, M. S., BURLEVA, A. D., and KAZAKOVA, M. M. Improving Black Pied Lowland cattle on the breeding farm "Petrovskoe." (Rus) Zhivotnovodstvo 2:6-13. Feb. 1966. 49 Z6
- 56500 ZHEBROVSKII, L. S. Selection of cattle to increase protein content in milk. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:73-76. Mar.1966. 20 V633
English summary.
- 56501 ZODER, H. F. Report of experiment in the test-use of young bulls. (Ge) Tierarztl. Umsch. 21(4):171-172,175. Apr.1,1966. 41.8 T445
- 56502 ZORIN, I. G. Results of work on increasing fat content of cows in the Ukraine. (Rus) Zhivotnovodstvo 3:11-18. Mar.1966. 49 Z6
Effects of breeding.
- Feeds and Feeding
- 56503 ANANOS, H., and CANEPA, M. Practical results of feeding with Morea. (Sp) Vida Agr. [Lima] 42(495):83,85-88. Feb.1965. 9.8 V66
Liquid feed supplement fed to cattle in Peru.
- 56504 AUSTENSON, H. M. Don't blame bossy for your mistake. Western Farmer 43(9):50,52. Mar.1966. 47.8 W27
Pasture management for dairy cattle in the Pacific Northwest.
- 56505 BENEVENGA, N. J. Studies on thiamine dependent metabolism in the dairy calf. Diss. Abs. 26(9):5005. Mar.1965. 241.8 M58
- 56506 BOSCH, S., and DIJK, H. VAN. Summer stall feeding in practice. (Du) Neth. Dir. Landbouw. Landbouwoorlichting 22(6):312-316. June 1965. 12 N383M
Dairy cattle.
- 56507 BOYARSKII, L. G., and DIDUKH, R. D. Rearing and feeding of calves with year-round application of corn silage. (Rus) Zhivotnovodstvo 2:41-44. Feb.1966. 49 Z6
- 56508 BRANDT, J. Increase in milk yield through increase in grassland yields and forage quality through phosphate fertilizing. (Ge) Phosphorsäure 25(3/4):110-133. Ref. 1965. 57.8 P563
- 56509 BURNS, W. C., DEESE, R. E., and KOGER, M. Creep feeding beef calves in Florida; effects on weight and market grade. U. S. D. A. Prod. Res. Rep. 88,9 p. Ref. Feb.1966. A281.9 Ag8
Florida Agricultural Experiment Station, cooperating.
- 56510 BURT, A. W. A. The nutritive value of ground and pelleted barley straw. I. Ground and pelleted v. long straw for growing Ayrshire heifers. J. Agr. Sci. [London] 66(1):131-137. Ref. Feb.1966. 10 J822
Great Britain.
- 56511 CAMPBELL, C. M. Comparisons of herbage sampling methods and digestion trial techniques with beef cattle. Diss. Abs. 26(3):1259. Sept.1965. 241.8 M58
- 56512 CATALANO, A., and LANZA, A. Use of various emulsions in reconstituted milk in the feeding of dairy heifers. (It) Aliment. Anim. 9(6/7):279-283. June/July 1965. 389.78 AL4
- 56513 CATTABRIGA, D., and PIRAS, N. New resolutions for more profitable livestock raising. (It) Genio Rurale 29(1):55-72. Jan.1966. 281.8 R522
Loose housing and feeding for baby beef production.
- 56514 CELSO, P. M. DI. The feeding of heifers of dairy breeds. (It) Aliment. Anim. 9(8/9):349-353. Aug./Sept.1965. 389.78 AL4
- 56515 CHALUPA, W., and HENNINGSON, R. W. Low-fat fish flour as a protein supplement for lactating dairy cows. J. Dairy Sci. 49(1):108-110. Jan.1966. 44.8 J822
- 56516 CLANTON, D. C., and WOODS, W. Performance of steers and rumen fermentation as influenced by physical form of ingredients. J. Anim. Sci. 25(1):102-106. Ref. Feb.1966. 49 J82
- 56517 CZAKO, J., VESZELY, MRS. P., and MATYAS, J. Experiments with domestic milk replacers for calves. (Hu) Allattenyesztes 15(1):1-13. Ref. Mar.1966. 49 AL57
English summary.
- 56518 DAVISON, M. E. The effect of varying the roughage to concentrate ratio on the production of volatile fatty acids in the bovine rumen with observations on the effect of location of sampling site. Diss. Abs. 26(9):4925-4926. Mar. 1966. 241.8 M58
- 56519 DOBIE, J. B., and others. Feeding and economic value of wafered hay for dairies. Amer. Soc. Agr. Eng. Pap. 640,12 p.,map. 1965. 290.9 Am32P
R. G. Curley, M. Ronning, and P. S. Parsons, joint authors.
Feeding trials.
- 56520 DROLSHAGEN, R. Basic and concentrated feed use for cattle in spring 1966. (Ge) Mitt. Deut. Landwirt.-Ges. 81(12):491-492. Mar.24, 1966. 18 N39
- 56521 DRONAWAT, N. S., and others. Effect of feeding limited roughage and a comparison between loose and pelleted pineapple hay on milk production, milk constituents, and fatty acid composition of milk fat. J. Dairy Sci. 49(1):28-31. Ref. Jan.1966. 44.8 J822
R. W. Stanley, E. Cobb, and K. Morita, joint authors.
- 56522 ECKER, G. A. Corn silage gives the dairyman more net energy at lower cost than any other forage. Agway Coop. 2(5):6-7. May 1966. 280.28 Ag9
- 56523 EKERN, A. Feed norms in milk production. (No) Buskap Avdratt 17(3):143-145. 1965. 49 B96
- 56524 FABRIS, A., and ALBONICO, F. Factors influencing the production of hypoacid milk in the Po Plain. (It) Aliment. Anim. 9(5):207-216. May 1965. 389.78 AL4
Possible connection with nutrition and environmental conditions.
- 56525 FLATT, W. P., and others. Energy requirements for milk production. Distill. Feed Res. Coun. Conf. Proc. 21:36-46. Ref. Mar.9,1966. 389.79 C765
P. W. Moe, L. A. Moore, N. W. Hooven, R. P. Lehmann, and R. W. Hemken, joint authors.
Influence of ration composition.
- 56526 FORBES, T. J., and IRWIN, J. H. D. Early weaning or rearing on milk substitute? Agr. Northern Ireland 40(8):239-242. Dec.1965. 256.13 Ag82M
Of calves.
- 56527 FRIEND, I. J. C. The storage and use of moist barley for milk production. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):100-105. Mar. 1966. 10 G79J
- 56528 FRIES, G. F., and others. Radioiodine in milk of cows under various feeding and management systems. J. Dairy Sci. 49(1):24-27. Jan. 1966. 44.8 J822
F. J. Burmann, C. L. Cole, J. A. Sims, and G. E. Stoddard, joint authors.
- 56529 GARRETT, W. N. A new net energy system of feed evaluation. Feedstuffs 38(13):32,34,50-52. Apr.2,1966. 286.81 F322
In beef cattle.

- 56530 GARRIGUS, R. R., JOHNSON, H. R., and JUDGE, M. D. Effects of feeding regime on steer body composition. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 252,4 p. Apr.1966. 100 In2Res
- 56531 GAUNT, S. N. How do you evaluate forage? *Farm Technol.* 22(3):16,64. Mar.1966. 275.28 N213
In feeding dairy cattle; green cut.
- 56532 GREENHALGH, J. F. D., REID, G. W., and MCDONALD, I. The indirect estimation of the digestibility of pasture herbage. IV. Regressions of digestibility on faecal nitrogen concentration: effects of different fractions of the herbage upon within- and between-period regressions. *J. Agr. Sci. [London]* 66(2):277-283. Ref. Apr.1966. 10 J822
Steers in Scotland.
- 56533 HAMADA, T., KAMEOKA, K., and MORIMOTO, H. Studies on substitute milk containing dried skim milk with tallow, lecithin or wheat starch for dairy calves. *Agr. Biol. Chem.* 29(11):998-1003. Ref. Nov.1965. 385 Ag8B
- 56534 HAMMES, R. C., and others. The value of alfalfa-orchardgrass silage and hay cut at different maturities. *Va. Agr. Exp. Sta. Bull.* 567,14 p. Ref. Jan.1966. 100 V81S
R. E. Blaser, H. T. Bryant, J. P. Fontenot, and R. W. Engel, joint authors.
Steers used for the feeding trials.
- 56535 HELFFERICH, B., and LENKEIT, W. Contribution to the problem of the sodium supply of dairy cattle. (Ge) *Naturwissenschaften* 52(24):665-666. Dec.15,1965. 474 N213
- 56536 HEMKEN, R. W., and VANDERSALL, J. H. Intake levels during early lactation of the dairy cow. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:69-71. 389.9 Un342
- 56537 HENNAUX, L., VANDENBYVANG, P., and BODART, C. Balance in calcium, phosphorus, nitrogen and corn and alfalfa silage based systems. (Fr) *Gembloux. Inst. Agron. Bull.* 33(3):361-376. 1965. 105.1 G285
In cattle.
- 56538 HOLMES, W., JONES, J. G. W., and ADELINE, C. Feed intake of grazing cattle. IV. A study with milk cows of the influence of pasture restriction combined with supplementary feeding on production per animal and per acre. *Anim. Prod.* 8(1):47-57. Ref. Feb.1966. 49 An55
- 56539 HOUSTON, T. W., JONES, K. B., and HARRIES, J. M. Some effects of nutrition on the eating quality characteristics and composition of beef. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:49-57. 1962, pub.1965. TP368.I5
- 56540 HOUSTON, W. R., and WOODWARD, R. R. Effects of stocking rates on range vegetation and beef cattle production in the Northern Great Plains. *U. S. D. A. Tech. Bull.* 1357,58 p. Ref. Jan.1966. 1 Ag84Te
Montana Agricultural Experiment Station, co-operating.
- 56541 HVIDSTEN, H., and HOLE, G. Comparison of cultured skim milk and dried skim milk fed to young calves with and without addition of antibiotics. (No) *Tidsskr. Norske Landbruk* 72(10):314-323. 1965. 11 T433
English summary.
- 56542 JACOBSON, D. R. What controls voluntary feed intake in the ruminant. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:45-55. Ref. 389.9 Un342
Cattle.
- 56543 KAY, M., and others. Intensive beef production. VII. The effect of nitrogen retention of diets containing barley processed by four different methods. *Anim. Prod.* 8(1):39-42. Feb. 1966. 49 An55
T. R. Preston, N. A. MacLeod, and E. B. Philip, joint authors.
- 56544 KAY, M., and others. Nutrition of the early-weaned calf. IX. Nitrogen retention from different protein sources in calves fed ad libitum. *Anim. Prod.* 8(1):43-45. Feb.1966. 49 An55
T. R. Preston, N. A. MacLeod, and E. B. Philip, joint authors.
- 56545 KHRAPKOVSKII, A. I. Formation of gain in calves as affected by different dates of fattening. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 3:108-110. Mar.1966. 20 V633
- 56546 KING, W. A., and O'DELL, W. T. Dairy concentrate mixtures. *Clemson Univ. Ext. Circ.* 427,rev., 8 p. July 1965. 275.29 So8E
- 56547 KIRK, W. G., and others. Shrimp meal as a protein supplement in steer fattening rations. *Sunshine State Agr. Res. Rep. [Fla. Sta.]* 11(1):12-14. Jan.1966. 100 F66Su
R. L. Shirley, J. F. Easley, and F. M. Peacock, joint authors.
- 56548 KOCH, C. R. What's the point in mineral point? *Farm Quart.* 21(2):88-89,146,148,151. Spring 1966. 6 F22995
For beef cattle feeding.
- 56549 KOETSVELD, E. E. VAN. An experiment with dairy cows indoors on rations with different contents of zinc. II. Clinical investigation. (Du) *Landbouwkundig Tijdschr.* 77(12):455-461. June 1965. 105.2 Or3
English summary.
- 56550 KOLB, E. General aspects of dairy cattle nutrition within the frame of industrial production methods. (Ge) *Monatsh. Veterinarmed.* 20(21):875. Nov.1,1965. 41.8 M742
Vitamins, minerals and trace elements feeding.
- 56551 LADRAT, J., and JOUSSELLIN, W. Trials in the introduction of "sucro-glycerides" in feed for suckling veal calves. II-III. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(10):497-499,501-504. Dec.1965. 41.9 R24
- 56552 LANE, A. G. The effects of injected vitamin A on composition of blood and milk and the production of Guernsey cows. *Diss. Abs.* 26(9):4928. Mar.1966. 241.8 M58
- 56553 LARSEN, J. B. Fat for milk production. (Da) *Alt Nyeste Landbrug, Havebrug, Husholdning* 12:41-51. 1965. 33.11 AL7
Dairy cattle feeding.
- 56554 LEE, G. T. Rearing of calves with reduced rates of whole milk and without skim milk. (Rus) *Zhivotnovodstvo* 2:63-65. Feb.1966. 49 Z6
- 56555 LESLIE, J. I. Evaluation of pasture and forages for lactating cows; nitrogen fertilized grasses versus grass-legume mixtures. *Diss. Abs.* 26(3):1262. Sept.1965. 241.8 M58
- 56556 LOPEZ PALAZON, J. Cattle fattening. (Sp) *Agricultura [Madrid]* 35(405):20-23. Jan.1966. 15 Ag84
- 56557 MALKUS, L. A. Changes in carcass composition from 9 to 18 months in heifers fed a fattening ration. *Diss. Abs.* 26(3):1585-1586. Sept. 1965. 241.8 M58
- 56558 MCCULLOUGH, M. E., SISK, L. R., and HOLLEY, K. T. Beet pulp vs. flaked corn as a major ingredient in grain rations to supplement silage for milk production. *Feedstuffs* 38(12):28,30-31. Mar.26,1966. 286.81 F322
- 56559 MCGUIRE, R. L., BRADLEY, N. W., and LITTLE, C. O. Effects of frequency of feeding on excretion of chromic oxide, crude protein and gross energy and on nutrient digestibility by steers. *J. Anim. Sci.* 25(1):185-191. Ref. Feb.1966. 49 J82
- 56560 MEDVEDIK, S. L. Management of individual and group feeding of cows on the "Communar-ka" educational farm. (Rus) *Zhivotnovodstvo* 2:37-38. Feb.1966. 49 Z6

- 56561 MOLNAR, K. Effect of mixed feed nutrition on milk and meat production. (Hu) Magyar Mezo-gazdasag 21(9):16-17. Mar.2,1966. 19 M27 Cattle.
- 56562 MOSANGHINI, V. Problems related to development of livestock in Friuli. (It) Agr. Venezia 20(1):17-54. Ref.,p.52-54. Jan.1966. 16 Ag826 Cattle feeding and breeding.
- 56563 NIXON, J. How good is Coastal Bermuda grass? Cattleman 52(10):37,56,58. Mar.1966. 49 C29 Beef cattle feeding.
- 56564 OLSON, H. H., HINNERS, S. W., and BERNETT, R. C. Ad libitum versus restricted concentrate feeding of lactating dairy cows. J. Dairy Sci. 49(1):110-113. Ref. Jan.1966. 44.8 J822
- 56565 OOSTENDORP, D. Problems in the application of summer barn feeding. (Du) Veeteelt Zuivelber. 8(11):464-471. Nov.1965. 49 V51 Dairy cattle.
- 56566 PERRY, H. Beef from all-corn silage. Agway Coop. 2(5):10-11. May 1966. 280.28 Ag9
- 56567 PERRY, T. W., and BEESON, W. M. Corn silage for fattening cattle. Ind. Agr. Exp. Sta. Res. Progr. Rep. 254,9 p. Apr.1966. 100 In2Res
- 56568 PIETERSE, P. J. S. Supplementary feeding of ruminants during the winter months in South Africa. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 48,12 p. Ref. 1965? 24 So863 Cattle and sheep.
- 56569 PRATT, J. N., and MALLET, J. I. Make money with clover-grass pastures. Better Crops Plant Food 49(6):42-45. Winter 1965/66. 6 B46 Beef cattle pastures management, in Texas.
- 56570 PRETORIUS, J. J. Salt is worth its salt—also in animals. Farming S. Afr. 41(12):60-62. Mar.1966. 24 So842 In cattle nutrition.
- 56571 RAKES, A. H., and PARSONS, G. S. Urea in dairy rations. N. C. Univ. Ext. Folder 247, 6 p. Jan.1966. 275,29 N811Ex
- 56572 RALSTON, A. T., and others. Effect of pre-fattening treatment upon finishing performance and carcass characteristics of beef cattle. J. Anim. Sci. 25(1):29-33. Ref. Feb.1966. 49 J82 W. H. Kennick, T. P. Davidson, and K. E. Rowe, joint authors.
- 56573 RAPPEN, W. H. Ox or bull fattening? (Ge) Mitt. Deut. Landwirt.-Ges. 81(5):144,146. Feb.3,1966. 18 N39
- 56574 RENSINK, J. H. Surface water as drinking water for cattle. (Du) Veeteelt Zuivelber. 8(7/8):287-291. July/Aug.1965. 49 V51
- 56575 RIEWE, M. E. How to get the most out of grazing. Cattleman 52(10):126-127. Mar.1966. 49 C29 Beef cattle gains.
- 56576 ROSSELET, J. From producer to consumer—the appetite of dairy cows. (Fr) Agr. Romande (ser.B.)4(9):61-63. Sept.1965. 17 Ag8 Feed and its effect on appetite.
- 56577 SAKAMOTO, H., and others. A status quo survey of young fattening cattle. (Ja) Jap. Vet. Med. Ass. J. 18(12):721-725. 1965. 41.9 J275
- 56578 SANNE, S. Summer feeding of dairy cattle with green feed. (Sw) Svensk Valltidsskr. 4(4):107-110. 1965. 60.8 Sv22
- 56579 SCHOLTZ, MRS. O. Studies on utilization of an up-to-date calf starter. (Hu) Allattenyesztes 15(1):15-22. Mar.1966. 49 AL57 English summary.
- 56580 SCHUKKING, S., and HENGVELD, A. G. Corn silage for fattening cattle. (Du) Veeteelt Zuivelber. 8(12):522-529. Dec.1965. 49 V51
- 56581 SIKKEMA, M. Feeding once a day. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22 (10/11):509-515. Oct./Nov.1965. 12 N383M Cattle.
- 56582 SMITH, C. A. Studies on the Hyparrhenia veld of Zambia. VII. The effects of cattle grazing veld and dambo at different stocking-rates. J. Agr. Sci. [London] 66(1):49-56. Ref. Feb. 1966. 10 J822
- 56583 SMITH, L. A., and others. Sorghum-Sudan hybrid [Sudax] vs. Johnsongrass pasture for dairy cows. Ala. Agr. Exp. Sta. Circ. 151,8 p. Mar.1966. 100 AL1S H. W. Grimes, J. A. Little, and G. E. Hawkins, joint authors.
- 56584 SMITH, W. H., and others. Zinc and calcium effects on the performance of finishing steers. Ind. Agr. Exp. Sta. Res. Progr. Rep. 209,5 p. Nov.1965. 100 In2Res T. W. Perry, M. T. Mohler, R. B. Harrington, and W. M. Beeson, joint authors. Effects on growth, physiology, and nutrition requirements.
- 56585 SOIKES, R. S. Studies in the supplementation and utilization of Coastal bermudagrass. Diss. Abs. 26(9):4930. Mar.1966. 241.8 M58 In steer feeding.
- 56586 SONDEREGGER, H. Current problems in dairy cattle feeding. (Ge) Grune 93(46):1649-1652. (Cont.) Nov.12,1965. 17 Sch9 Switzerland.
- 56587 SONNEVELD, A. Notes on the uptake of fresh grass by cattle. (Du) Veeteelt Zuivelber. 8 (10):409-420. Oct.1965. 49 V51 Green cut grass.
- 56588 SORENSEN, M. Use of antibiotics in feed for calves. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:51-54. 1965. 33.11 AL7
- 56589 SOULE, R. P. Growing cattle and hog interest shown in Montana feed research. Feedstuffs 38(14):78. Apr.9,1966. 286.81 F322
- 56590 STARKS, P. B., HALL, O. G., and HENDERSON, H. A. Effect of injected vitamin A on performance of beef heifers fed a corn silage ration. Tenn. Farm Home Sci. Progr. Rep. 56: 14-15. Oct./Dec.1965. 100 T25F Effects on weight gains and grades.
- 56591 STONE, J. B., and others. Changes in milk production in relation to changes in feeding and management practices in Dairy Herd Improvement Association herds. J. Dairy Sci. 49(3): 277-281. Mar.1966. 44.8 J822 J. D. Burke, H. R. Ainslie, and L. D. Van Vleck, joint authors.
- 56592 TAYLOR, S. C. S., and YOUNG, G. B. Variation in growth and efficiency in twin cattle with live weight and food intake controlled. J. Agr. Sci. [London] 66(1):67-85. Ref. Feb.1966. 10 J822 Scotland.
- 56593 THOMAS, J. W. Kinds and amounts of protein for dairy cattle. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:10-14. Ref. 389.9 Un342
- 56594 THOMPSON, U. D. Suggestions for managing cattle on Coastal Bermuda grass. Cattleman 52(10):36-37. Mar.1966. 49 C29
- 56595 TOMASI, K. How long should cattle remain at pasture? (Ge) Forderungsdienst 13(5):155-157. May 1965. 19 F75 Care in the field in Austria.
- 56596 TRUKHANOVA, E. V. Effect of cobalt and copper on milk productivity and metabolism in cows. (Rus) Zhivotnovodstvo 2:71-72. Feb. 1966. 49 Z6
- 56597 TUCKER, V. C. Friesians on Atherton Tableland. Queensland Agr. J. 92(2):74-77. Feb. 1966. 23 Q33 Effects of feeding on milk production.

- 56598 WAGNER, D. G. Studies on the energy requirements of high producing dairy cows. Diss. Abs. 26(9):4931. Mar.1966. 241.8 M58
- 56599 WESTGAARD, P. Disposal of roughage during the year. (No) Norsk Landbruk 19:6-7, 30. Sept.24,1965. 11 N8122
Dairy cattle feeding.
- 56600 WHITE, T. W. Utilization of ammoniated rice hulls by beef cattle. J. Anim. Sci. 25(1):25-28. Ref. Feb.1966. 49 J82
- 56601 WHITLOCK, R. Cereals, straw and grass in the winter ration. Agr. Merchant 46(3):64-66. Mar.1966. 10 Ag89
Dairy cattle and sheep in Great Britain.
- 56602 WHITLOCK, R. Grass—and its future role in milk production. Milk Prod. [London] 13(3): 75,79. Mar.1966. 280.38 M598
- 56603 WHITLOCK, R. Recent developments in feedlots. Agr. Merchant 45(7):52-53,56-57. July 1965. 10 Ag89
Beef cattle in the United States.
- 56604 WIESENDANGER, H. Autumn pasturing and feeding. (Ge) Grune 93(43):1522-1525. Oct.22, 1965. 17 Sch9
Dairy cattle in Switzerland.
- 56605 WOODS, W. Oyster shell as a substitute for corn cobs in fattening cattle rations. Feed-stuffs 38(15):71. Apr.16,1966. 286.81 F322
- 56606 WOODS, W. Utilisation of urea is influenced by many factors. Agr. Merchant 45(7):70-71. July 1965. 10 Ag89
Beef cattle feeding in the United States.
- 56607 YOUSEF, M. K., and JOHNSON, H. D. Calorigenesis of dairy cattle as influenced by thyroxine and environmental temperature. J. Anim. Sci. 25(1):150-156. Ref. Feb.1966. 49 J82
- 56608 ZACHERL, M. L., WEISER, M., and ONDERSCHEKA, K. Mineral content of hay. (Ge) Wien. Tierarztl. Monatsschr. 52(11):957-967. Nov.1965. 41.8 T345
English summary.
Nutritional value study in relation to cattle feeding.
- 56609 ZEREMSKI, D., and MITROVIC, D. Winter feeding of dairy cattle; effect of an increase of ration concentration on the production and quality of milk. (Se) Arh. Poljoprivredne Nauk. 18 (62):129-146. Ref. 1965. 21.5 Y9
English summary.
- Veterinary Medicine
- 56610 ACHESON, A. W. A routine to prevent mastitis. Agr. Northern Ireland 40(9):272-274. Jan. 1966. 256.13 Ag82M
In cattle.
- 56611 AFSHAR, A., STUART, P., and HUCK, R. A. Granular vulvovaginitis (nodular venereal disease) of cattle associated with Mycoplasma bovis genitalium. Vet. Rec. 78(15):512-519. Ref. Apr.9,1966. 41.8 V641
- 56612 ALBIN, R. C., and CLANTON, D. C. Factors contributing to the variation in urinary creatinine and creatinine-nitrogen ratios in beef cattle. J. Anim. Sci. 25(1):107-112. Ref. Feb.1966. 49 J82
- 56613 AMES, E. R., RUBIN, R., and CHENEY, J. M. A critical evaluation of the efficacy of thiabendazole against important helminths of cattle. Vet. Med./Small Anim. Clin. 61(1):66-70. Ref. Jan.1966. 41.8 M69
- 56614 ANTALOVSKY, A. Technique of the local intravenous anesthesia in the distal parts of extremities in cattle. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(7):413-420. Ref. July 1965. 41.9 C33
English summary.
- 56615 BAILIE, W. E., ANTHONY, H. D., and WEIDE, K. D. Infectious thromboembolic meningoencephalomyelitis (sleeper syndrome) in feedlot cattle. Amer. Vet. Med. Ass. J. 148(2):162-166. Jan.15,1966. 41.8 Am3
- 56616 BARTLEY, E. E. Progress toward prevention of bloat in ruminants. Distill. Feed Res. Council. Conf. Proc. 21:16-24. Ref. Mar.9, 1966. 389.79 C765
Poloxalene as a preventative in cattle.
- 56617 BASHA, E. Data about cattle paratuberculosis at the November 8 state agricultural enterprise of Sukthi. (Al) Bul. Shkencave Bujqesore 4(3):105-120. Ref. 1965. 21.5 B87
English summary.
- 56618 BAUMGARTNER, G. Contribution to the treatment of nymphomania of cattle. (Ge) Tierarztl. 21(4):163-164. Apr.1,1966. 41.8 T445
With Gestafortin.
- 56619 BERENCSEI, GY., SZABO, J., and TAR, J. Screening testing of random milk samples for infection with Mycobacterium tuberculosis var. bovis in the district Hajdu-Bihar. (Hu) Magyar Allatorv. Lapja 20(11):495-497. Nov.1965. 41.8 V644
English summary.
- 56620 BERGER, J. A comparison of some anaesthetic techniques in young calves. Brit. Vet. J. 122(2):65-73. Feb.1966. 41.8 V643
- 56621 BIANCA, W. Heat tolerance in dehydrated steers. J. Agr. Sci. [London] 66(1):57-60. Ref. Feb.1966. 10 J822
- 56622 BLINDOW, H. A field experiment for controlling lungworms of cattle with so-called lungworm vaccine. (Ge) Tierarztl. Umsch. 21(3): 113-118. Mar.1,1966. 41.8 T445
- 56623 BOCH, J., and others. Studies on Toxoplasma infections of slaughter cattle. (Ge) Wien. Tierarztl. Monatsschr. 52(12):1029-1036. Ref. Dec.1965. 41.8 T345
K. Janitschke, M. Rommel, and R. Sommer, joint authors.
English summary.
Diagnosis.
- 56624 BORGES, H. C., and BENDIXEN, H. J. The incidence of pseudorabies infections in cattle and swine in Denmark. A serological survey. (Da) Nord. Veterinaarmed. 17(12):672-679, map. Ref. Dec.1965. 41.8 N813
English summary.
- 56625 BOTES, H. J. W. Live vaccines in the control of salmonellosis. S. Afr. Vet. Med. Ass. J. 36 (4):461-474. Ref. Dec.1965. 41.8 So8
In the fowl and calf.
- 56626 BOTES, H. J. W. A new Salmonella serotype. S. Afr. Vet. Med. Ass. J. 36(4):577. Dec.1965. 41.8 So8
From a calf.
- 56627 BOULANGER, P., and others. Anaplasmosis: comparison of complement fixation methods and study of the cattle population of southern Alberta. Can. J. Comp. Med. Vet. Sci. 30(4): 102-106, map. Apr.1966. 41.8 C162
G. L. Bannister, R. J. Avery, D. P. Gray, B. B. Barrett, and G. M. Ruckerbauer, joint authors.
- 56628 BRANDS, A. F. A. Gestation period in cattle. (Du) Veeteelt Zuivelber. 8(7/8):301-309. July/Aug.1965. 49 V51
- 56629 BRANDSMA, S., and others. An investigation of the influence of machine milking with a high vacuum on udder health of the milk cow. (Du) Veeteelt Zuivelber. 8(12):495-499. Dec.1965. 49 V51
K. Maatje, R. G. Dijkstra, J. Oosterloo, and J. Postma, joint authors.

- 56630 BRATANOV, K., BALCHEV, M., and DANOV, D. Allergic interrelations between the foetus and the mother during the pregnancy period of cattle. *Bulgarska Akad. Nauk. Dokl.* 18(10): 967-970. Ref. 1965. 512 So2
- 56631 BROCKLESBY, D. W. A new theilerial parasite of the African buffalo (*Syncerus caffer*). *Bull. Epizoot. Dis. Afr.* 13(4):325-330. Dec. 1965. 41.8 B872
- 56632 BROWN, R. D., and RASHID, A. Duration of rinderpest immunity in cattle following vaccination with caprinised rinderpest virus. *Bull. Epizoot. Dis. Afr.* 13(4):311-315. Dec. 1965. 41.8 B872
- 56633 BROWN, R. D. The effect of sulphapyridine and sulphadimidine on rinderpest in cattle. *Bull. Epizoot. Dis. Afr.* 13(4):317-323. Dec. 1965. 41.8 B872
- 56634 BROWN, R. D., and GLOSSOP, W. E. Rinderpest immunization by means of vaccine implants in tablet form. *Bull. Epizoot. Dis. Afr.* 13(4):305-309. Dec. 1965. 41.8 B872
- 56635 BROWN, R. W. Color of cultures of *Staphylococcus epidermidis* determined by spectral reflectance colorimetry. *J. Bacteriol.* 91(3): 911-918. Mar. 1966. 448.3 J82
Isolated from bovine udders.
- 56636 BRUCHMANN, W. Untersuchungen über die Punktionsmöglichkeiten am Schulter-, Ellbogen- und Hüftgelenk des Rindes [Studies on the puncture possibilities on shoulder, elbow and hip joint of cattle]. Hanover. Tierarztl. Hochschule. Inaug.-Diss. 3,82 p. Ref., p.78-82. 1965. 41.2 H198
Diagnosis and treatment of joint diseases.
- 56637 BUCZEK, J., and JASTRZEBSKI, T. Cytopathic viruses in calves in Poland. I. The first isolation of cytopathic viruses from the alimentary tract. (Pol) *Med. Weter.* 21(12):725-726. Dec. 1965. 41.8 M463
- 56638 BULLIS, D. D. Endocrine studies in dairy animals. *Diss. Abs.* 26(3):1258-1259. Sept. 1965. 241.8 M58
- 56639 BURAKAUSKAS, A. A., and PAGIRIS, YU. K. *Dictyocaulus* eradication in cattle. (Rus) *Veterinariya* 9:48. Sept. 1965. 41.8 V6426
- 56640 BURDENYUK, A. F. Treatment of cows for anaerobic phlegmon. (Rus) *Veterinariya* 10: 58-60. Oct. 1965. 41.8 V6426
- 56641 BURKAN, G. A., and AFRIKANTOV, S. G. Test on treatment of fascioliasis in cattle. (Rus) *Veterinariya* 10:47-48. Oct. 1965. 41.8 V6426
With carbon tetrachloride.
- 56642 CAKALA, S. The technique of puncture and injections in the abomasum of cattle. (Pol) *Med. Weter.* 21(9):532-534. Ref. Sept. 1965. 41.8 M463
English summary.
- 56643 CHANDLER, P. T., KESLER, E. M., and JONES, G. M. Excretion of polyethylene by dairy calves. *J. Anim. Sci.* 25(1):64-68. Ref. Feb. 1966. 49 J82
Digestion study.
- 56644 CHARTON, A., and others. Responses, clinical and serological, of the calf to inoculation by the respiratory path with parainfluenza-3 myxovirus. (Fr) *Acad. Vet. France. Bull.* (n.s) 38(8):315-318. Oct. 1965. 41.9 R24
P. Faye, J. Lecoanet, and C. Le Layec, joint authors.
- 56645 CHAUSSAT, R. Evaluation of the quantities of coumarin and coumarin-generating compounds consumed by animals of the hematuria regions. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(18):1255-1265. Ref. Dec. 8/15, 1965. 14 P215Bc
Suggests that coumarin in sweet vernalgrass (*Anthoxanthum odoratum*) is a factor in cattle hematuria; fluorometric analysis is used.
Includes discussion.
- 56646 CHRISTENSEN, A. Rumen overload poisoning, seen from the point of view of liquid therapy, treated in practice. (Da) *Danske Dyrlægefor. Medlemsbl.* 49(8):352-354. Apr. 15, 1966. 41.9 D23
Cattle.
- 56647 CLEGG, F. G. Serum sodium and potassium levels in cases of bovine cerebrocortical necrosis. *Vet. Rec.* 78(14):505-506. Ref. Apr. 2, 1966. 41.8 V641
- 56648 COMLINE, R. S., and SILVER, M. The development of the adrenal medulla of the foetal and new-born calf. *J. Physiol.* 183(2):305-340. Ref. Mar. 1966. 447.8 J82
- 56649 COOK, G. A., and others. Interrelationship of molybdenum and certain factors to the development of the molybdenum toxicity syndrome. *J. Anim. Sci.* 25(1):96-101. Ref. Feb. 1966. 49 J82
A. L. Lesperance, V. R. Bohman, and E. H. Jensen, joint authors.
Cattle.
- 56650 COULIBALY, A. Contribution à l'étude épidémiologique et prophylactique de la peste bovine en Haute-Volta [Contribution to the epidemiologic and prophylactic study of rinderpest in Upper Volta]. Lyon. Ecole Nat. Vet. These 22, 61 p., map. Ref. 1965. 41.2 L99
- 56651 CREWE, G. The incidence and types of mastitis in Pretoria herds, based on the California mastitis test and the isolation of bacteria. *S. Afr. Vet. Med. Ass. J.* 36(4):509-512. Dec. 1965. 41.8 So8
- 56652 CREWE, G. The reliability of the California mastitis test as a field test for leucocytes in milk. *S. Afr. Vet. Med. Ass. J.* 36(4):503-506. Dec. 1965. 41.8 So8
- 56653 CURTO, G. M. More calves on our dairy farms. (It) *Riv. Zootec.* 39(1):50-57. Jan. 1966. 49 R52
Decreasing the mortality rate.
- 56654 DATTA, S. Enzootic bovine haematuria. *Indian J. Vet. Sci. Anim. Husb.* 35(2):69-82. Ref. June 1965. 41.8 In22
Includes *Aspergillus flavus* associated with the disease.
- 56655 DATTILO, M. Influence of castration on meat production and carcass quality of young cattle. (It) *Aliment. Anim.* 9(8/9):354-355. Aug./Sept. 1965. 389.78 AL4
- 56656 DAVISON, K. L. Sublethal nitrate poisoning—is it really a problem? *Feed Age* 16(3):23-27. Mar. 1966. 389.78 F327
Cattle and sheep.
- 56657 DESJARDINS, C., and others. Follicle-stimulating hormone, luteinizing hormone and prolactin potency of bovine pituitaries after various methods of preservation. *J. Anim. Sci.* 25(1):223-226. Ref. Feb. 1966. 49 J82
Y. N. Sinha, H. D. Hafs, and H. A. Tucker, joint authors.
- 56658 DEVLOO, S. Treatment of udder edema of cows with a combination of vetidrex and Opticortenol and Opticortenol S. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(9/10):303-313. Sept./Oct. 1965. 41.8 V84
English summary.
Hydrochlorothiazide, dexamethasone and prednisolone.
- 56659 DHILLON, H. S. Rinderpest: mass-scale production of lapinised-avianised vaccine by intravenous inoculation. *Indian J. Vet. Sci. Anim. Husb.* 35(2):90-93. Ref. June 1965. 41.8 In22
- 56660 DODD, F. H., KINGWILL, R. G., and NEAVE, F. K. These methods reduce mastitis. *Milk Prod. [London]* 13(4):112-114. Apr. 1966. 280.38 M598

- 56661 DOHERTY, N. W. Dehorning—methods and techniques. *Dairyfarming Dig.* 13(1):5-9. Jan./Feb.1966. 44.8 D1443
- 56662 DOKTOR, J., and STRECHA, J. Operation of an intestinal fistula in a cow. (Cz) *Veterinarstvi* 15(12):567. Dec.1965. 41.8 V6439
- 56663 DOLLAHITE, J. W., HOUSHOLDER, G. T., and CAMP, B. J. Effect of calcium hydroxide on the toxicity of post oak (*Quercus stellata*) in calves. *Amer. Vet. Med. Ass. J.* 148(8):908-912. Ref. Apr.15,1966. 41.8 Am3
- 56664 DONAWICK, W. J. Chronic lead poisoning in a cow. *Amer. Vet. Med. Ass. J.* 148(6):655-661. Ref. Mar.15,1966. 41.8 Am3
- 56665 DOUGLAS, H. W., RONDLE, C. J. M., and WILLIAMS, B. L. Micro-electrophoresis of cowpox and vaccinia viruses in molar sucrose. *J. Gen. Microbiol.* 42(1):107-113. Ref. Jan. 1966. 448.3 J823
- 56666 DOZSA, L. Dermatitis in large animals—selected case histories. *Mod. Vet. Pract.* 47(3):44-46. Mar.1966. 41.8 N812
Cattle and horses.
- 56667 DURIE, P. H., and ELEK, P. The reaction of calves to helminth infection under natural grazing conditions. *Australian J. Agr. Res.* 17(1):91-103. Ref. Jan.1966. 23 Au783
- 56668 DYML, B. Isolation of the psittacosis-ornithosis lymphogranuloma-group virus from the infectious keratoconjunctivitis of cattle. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(7):385-392. Ref. July 1965. 41.9 C333
English summary.
- 56669 ECTORS, F., and DERIVAUX, J. Review and comparison of some tests of clinical use in the diagnosis of mastitis. (Fr) *Ann. Med. Vet.* 109(8):549-565. Ref. Dec.1965. 41.8 An78
English summary.
Cattle.
- 56670 EICHEL, H. Intestinal flora of domestic animals and their influencing by extremely one-sided feeding in cattle and swine. (Ge) *Potsdam. Inst. Ernahr. Ernährungsforsch.* 10(2/3):188-191. 1965. 386.3 P84
- 56671 EISSLER, G. Vaccinations against foot and mouth disease: value and limitations. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(5):133-134, 142,144. Feb.3,1966. 18 N39
Cattle and swine.
- 56672 EKESBÖ, I. Occurrence and development of diseases in industrial livestock farming. (Sw) *Danske Dyrslaefor. Medlemsbl.* 49(4):145-149. Feb.15,1966. 41.9 D23
Cattle.
- 56673 ELZE, K. Control of rearing diseases of calves—for lowering animal losses. (Ge) *Monatsh. Veterinarmed.* 20(21):863-868. Nov.1,1965. 41.8 M742
- 56674 ENGAN-SKEI, I. Machine milking and mastitis. 15. (No) *Norsk Landbruk* 20:17,28. Oct.8, 1965. 11 N8122
Cattle.
- 56675 ES, A. J. H. VAN, WEERDEN, E. J. VAN, and FRENS, A. M. Heat production, water evaporation, and energy metabolism in fattening calves, fed with a liquid milk substitute. (Ge) *Z. Tierphysiol. Tierernahr. Futtermittelkunde* 21(1):25-34. (Concl.) Feb.1966. 389.78 Z3
English summary.
- 56676 ESTOLA, T., OBEL, A. L., and RUTQVIST, L. An outbreak of Aujeszky's disease in Sweden. (Sw) *Nord. Veterinarmed.* 17(12):649-656. Dec.1965. 41.8 N813
English summary.
Cattle and swine.
- 56677 EWBANK, R. A possible correlation, in one herd, between certain aspects of the lying behaviour of tied-up dairy cows and the distribution of subclinical mastitis among the quarters of their udders. *Vet. Rec.* 78(9):299-303. Ref. Feb.26,1966. 41.8 V641
- 56678 FEDORCHENKO, N. G. Effectiveness of some anthelmintics against paramphistomiasis in cattle. (Rus) *Veterinariya* 9:56-57. Sept. 1965. 41.8 V6426
- 56679 FEDOROV, A. A. Fall outbreak of theileriasis in cattle. (Rus) *Veterinariya* 10:44. Oct. 1965. 41.8 V6426
- 56680 FERNELIUS, A. L. Heterogeneity of bovine antibodies produced against bovine viral diarrhoea (BVD) viruses and against a soluble antigen of BVD produced in cell cultures. *J. Immunol.* 96(3):488-494. Ref. Mar.1966. 448.8 J8232
- 56681 FERNELIUS, A. L., and RITCHIE, A. E. Mixed infections or contaminations of bovine viral diarrhoea virus with infectious bovine rhinotracheitis virus. *Amer. J. Vet. Res.* 27(116):241-248. Ref. Jan.1966. 41.8 Am3A
- 56682 FESSI, L. Studies on the hoof capsules of native cattle breeds in relation to lamella count, thickness and angle of the wall and their comparison with hoof capsules of yak bulls (*Bos grunniens* L.). (Ge) *Wien. Tierarztl. Monatsschr.* 53(4):267-277. Ref. Apr.1966. 41.8 T345
English summary.
- 56683 FRIK, J. F., and KOFF, E. C. DE. Penicillin content in cow milk after parenteral administration of penicillin. (Du) *Tijdschr. Diergeneesk.* 91(6):364-368. Mar.15,1966. 41.8 T431
English summary.
- 56684 FUJITA, T. Surgical treatment of papillary hematoma. (Ja) *Jap. Vet. Med. Ass. J.* 18(11):18-19. 1965. 41.9 J275
Cow.
- 56685 FURTH, J. J., HO, P., and HOPPER, D. K. The enzymatic synthesis of ribonucleic acid in animal tissue. II. Comparison of the enzyme from normal bovine lymph node and bovine lymphosarcoma tissue. *Cancer Res.* 26(3):435-437. Ref. Mar.1966. 448.8 C16
- 56686 GAGLIARDI, P. Respiratory syndromes of cattle. (It) *Romagna Agr. Zootec.* 51(1):18-20. (Cont.) Jan.1966. 16 R66
- 56687 GARDINER, M. R. Calfhood diseases. 1. Gastro-intestinal diseases. West. Australia. *Dep. Agr. J.* (ser.4)6(11):650-652,655-656. Nov. 1965. 23 W52J
- 56688 GARDINER, M. R. Calfhood diseases. 2. Respiratory and nutritional deficiency diseases. West. Australia. *Dep. Agr. J.* (ser.4)6(12):695-697. Dec.1965. 23 W52J
- 56689 GARRATT, R. C. A case of torsion of the bovine intestine. *Vet. Rec.* 78(15):519-520. Apr.9,1966. 41.8 V641
- 56690 GARTNER, R. J. W., RYLEY, J. W., and BEATTIE, A. W. The influence of degree of excitation on certain blood constituents in beef cattle. *Australian J. Exp. Biol. Med. Sci.* (6):713-724. Ref. Dec.1965. 442.8 Au7
- 56691 GAUTHEY, J. Contribution à l'étude d'un lait thérapeutique à base de tétracycline-chloramphenicol et vitamines (Lactomycetine N. D.) en médecine vétérinaire [Contribution to the study of a therapeutic milk with a tetracycline-chloramphenicol-vitamin base (Lactomycetin N. D.) for use in veterinary medicine]. *Lyon. Ecole Nat. Vet. These* 41,74 p. Ref. 1965. 41.2 L99
Especially for scours of newborn calves.
- 56692 GERMAN, I. G. Uterine motility in cows after parturition. (Rus) *Veterinariya* 9:81-83. Sept.1965. 41.8 V6426
- 56693 GLASCOCK, R. F., and others. An investigation of serum lipoproteins and of their contribution to milk fat in the dairy cow. *Biochem. J.* 98(1):149-156. Ref. Jan.1966. 382 B52
V. A. Welch, C. Bishop, T. Davies, E. W. Wright, and R. C. Noble, joint authors.

- 56694 GLOOR, H. F. Problems of cattle mastitis. (Ge) Schweiz. Arch. Tierheilk. 108(1):1-13. Ref. Jan.1966. 41.8 Sch9
English summary.
Diagnosis and treatment.
- 56695 GRAFNER, G., and WEICHEL, K. The coccidia of cattle in the Schwerin district. (Ge) Monatsh. Veterinarmed. 21(3):107-109. Ref. Feb.1,1966. 41.8 M742
English summary.
- 56696 GRASHUIS, J. Stomach and intestinal worms in cattle. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:22. 12 N3833J
- 56697 GROMMERS, F. J. Improvement of organisation in machinemilking with respect to mastitis prevention. (Du) Tijdschr. Diergeneesk. 91(4):249-255. Ref. Feb.15,1966. 41.8 T431
English summary.
- 56698 GROOT, J. C. DE. Leg and teat injuries to dairy cattle through use of stallion stalls with gratings. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(1):35-41. Jan.1966. 12 N383M
- 56699 GUIDRY, A. J., and MCDOWELL, R. E. Tympanic membrane temperature for indicating rapid changes in body temperature. J. Dairy Sci. 49(1):74-77. Jan.1966. 44.8 J822
- 56700 GUNTHER, K., TEKIN, C., and LENKEIT, W. Problems of physiological vitamin D depot. 3. Vitamin D activity in the blood of the calf and dairy cow. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):40-50. Ref. Feb.1966. 389.78 Z3
English summary.
- 56701 HAMMOND, D. M., FAYER, R., and MINER, M. L. Amprolium for control of experimental coccidiosis in cattle. Amer. J. Vet. Res. 27(116):199-206. Jan.1966. 41.8 Am3A
- 56702 HANKIEWICZ, K. Protein electrophoresis and globulin reactions in the serum of slaughter cattle infected with *Fasciola hepatica*. (Pol) Med. Weter. 21(9):537-541. Ref. Sept.1965. 41.8 M463
English summary.
- 56703 HANSEL, W. Uterine irritants can cause short heat cycles. Hoard's Dairyman 111(7):445-446. Apr.10,1966. 44.8 H65
- 56704 HARRIS, B. Studies on ruminal parakeratosis in dairy calves. Diss. Abs. 26(3):1260. Sept. 1965. 241.8 M58
- 56705 HARRISON, B. A. Mastitis--milking machine maintenance & operation. Agr. Northern Ireland 40(10):303-306. Feb.1966. 256.13 Ag82M
- 56706 HASSLER, L., HOLTENIUS, P., and LJUNGBERG, L. Testing a new preparation against the little liver fluke [*Dicrocoelium dendriticum*] of cattle. (Sw) Svensk Veterinartidn. 17(13/14):441-443. July 1965. 41.9 Sv23
Hetoline.
- 56707 HEIDRICH, H. J., and WIRTH, H. G. The frequency of occurrence of hyperthelia and hypermastia in cattle. I. Highland cattle. (Ge) Berliner Munchener Tierarztl. Wochensch. 79(3):46. Feb.1,1966. 41.8 B45
English summary.
- 56708 HEIDRICH, H. J., GRAMATZKI, H., and ADAM, H. Intramuscular treatment of cattle with *Streptococcus agalactiae* and staphylococcal mastitis. I. Treatment with different penicillin-streptomycin preparations. (Ge) Berliner Munchener Tierarztl. Wochensch. 79(2):25-28. Jan.15,1966. 41.8 B45
English summary.
- 56709 HEIDRICH, H. J., GRAMATZKI, H., and GIESECKE, W. Intramuscular treatment of cattle with *Streptococcus agalactiae* and staphylococcal mastitis. II. Treatment with diethylaminoethanol ester of benzyl-penicillin "Mamyzin." (Ge) Berliner Munchener Tierarztl. Wochensch. 79(6):103-105. Mar.15,1966. 41.8 B45
English summary.
- 56710 HEJJ, L., and MESZAROS, J. On the tuberculin sensitivity of cattle infected with the avian type of tuberculosis bacteria. (Hu) Magyar Allatorv. Lapja 20(11):490-494. Ref. Nov.1965. 41.8 V644
English summary.
- 56711 HENDRIKS, H. J., and others. The influence of ammonium compounds on some aspects of the metabolism of dairy cows. Tijdschr. Diergeneesk. 91(6):369-371. Mar.15,1966. 41.8 T431
R. L. Preston, R. A. Prins, and D. L. Van Rheen, joint authors.
Diammonium phosphate.
- 56712 HENDRIKSE, J. The importance of the regularity of the oestrus intervals for A.I. in cows. (Du) Tijdschr. Diergeneesk. 91(7):444-450. Ref. Apr.1,1966. 41.8 T431
English summary.
Literature review.
- 56713 HERLICH, H. Amino acid composition of some strongyle parasites of cattle. Helminthol. Soc. Wash. Proc. 33(1):103-105. Ref. Jan.1966. 436.9 H36
- 56714 HERMANN, M. N. The incidence of mastitis in fresh-milk and cheese-milk herds in South Africa. (Af) S. Afr. Vet. Med. Ass. J. 36(4):521-524. Ref. Dec.1965. 41.8 So8
English summary.
Diagnosis by the California mastitis test.
- 56715 HERSCHLER, M. S., FECHHEIMER, N. A., and GILMORE, L. O. Identification of freemartins by chromosomal analysis. J. Dairy Sci. 49(1):113-114. Ref. Jan.1966. 44.8 J822
Cattle.
- 56716 HIBBS, C. M., WEIDE, K. D., and MARSHALL, M. A comparison of anaplasmosis tests. Amer. Vet. Med. Ass. J. 148(5):545-546. Mar.1,1966. 41.8 Am3
- 56717 HILL, F. Hormone implant: chemical composition of muscles from hexestrol-treated steers. J. Agr. Food Chem. 14(2):179-181. Ref. Mar./Apr.1966. 381 J8223
- 56718 HOFMANN, H. P. Investigations on ectogenous helminth stages. 2. Experimental investigations on the action of some fluorochromes as well as ultraviolet rays on the miracidia of *Fasciola hepatica*. (Ge) Angew. Parasitol. 6(4):211-221. Ref. Nov.1965. 436.8 An4
English summary.
Isolated from cattle.
- 56719 HOLLOWAY, C. T. A study of biochemical processes in the bovine adrenal medulla. Diss. Abs. 26(3):1321. Sept.1965. 241.8 M58
- 56720 HONER, M. R. The interpretation of faecal egg counts. I-II. Z. Parasitenk. 26(2):143-162. Ref. Oct.18,1965. 442.8 Z33F
Fasciola hepatica egg counts in cattle.
- 56721 HORVATH, MRS. B. E. The changing of the anorganic phosphorus content of the cervicovaginal mucus in cattle during the sexual cycle. (Hu) Magyar Allatorv. Lapja 20(11):500-502. Nov.1965. 41.8 V644
English summary.
- 56722 HOWELL, J. M., and RITCHIE, H. E. Cerebellar malformations in two Ayrshire calves. Pathol. Vet. 3(2):159-168. Ref. 1966. 41.8 P27

- 56723 HUBIK, R. Modification of the foot-and-mouth disease virus. I. Adaptation of the foot-and-mouth disease virus lines of calf and porcine cells. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(7):393-400. Ref. July 1965. 41.9 C333 English summary.
- 56724 HUCK, R. A. A paravaccinia virus isolated from cows' teats. Vet. Rec. 78(14):503-505. Ref. Apr.2,1966. 41.8 V641
- 56725 HUGHES, K. L., and others. Polyarthrititis in calves caused by Mycoplasma sp. Vet. Rec. 78(8):276-281. Ref. Feb.19,1966. 41.8 V641
M. J. Edwards, W. J. Hartley, and S. Murphy, joint authors.
- 56726 HYLDGAARD-JENSEN, J., and SIMESEN, M. G. Rumen overload. (Da) Nord. Veterinaarmed. 18(2):73-94. Ref. Feb.1966. 41.8 N813
English summary.
Indigestion of cattle.
- 56727 HYLDGAARD-JENSEN, C. Therapeutic notice on optocortinol S in cattle. (Ge) Deut. Tierarztl. Wochenschr. 73(1):14. Jan.1,1966. 41.8 D482
Ketosis treatment.
- 56728 IOSIF, C. Acute and chronic lead poisoning in cattle. (Fr) Rec. Med. Vet. 142(2):95-106. Ref. Feb.1966. 41.8 R24
English summary.
- 56729 ISHII, S., and others. The variations of body temperature before parturition and the prediction for the time of parturition on the Holstein cow. (Ja) Kyushu Agr. Exp. Sta. Bull. 11(2):121-129. Ref. Aug.1965. 107.6 K996B
S. Okamoto, A. Mukai, and Y. Inudo, joint authors.
English summary.
- 56730 IVASHKIN, V. M., TIMOFEEVA, T. N., and KHROMOVA, L. A. On the causal agents of stephanofilariasis in large cattle. 5 p. Transl. 15045
Translation from Akademiya Nauk SSSR. Gel'mintologicheskaya Laboratoriya. Trudy 11:109-114. 1962.
- 56731 IWASAKI, K., and others. A survey of nematodes in the alimentary canal of calves in pasture. (Ja) Jap. Vet. Med. Ass. J. 18(11):34-36. 1965. 41.9 J275
B. Hara, H. Ueno, Y. Tsuchie, S. Ishikawa, A. Iwata, T. Shidani, K. Kachibe, and Y. Ito, joint authors.
- 56732 JAARTSVELD, W. A. B. A stalked papilloma in the esophagus as a cause of relapsing tympany in a cow. (Du) Tijdschr. Diergeneesk. 91(3):186-187. Feb.1,1966. 41.8 T431
English summary.
- 56733 JACOBSON, D. Some unusual aspects of a case of rabies in a yearling Hereford heifer. Vet. Med./Small Anim. Clin. 61(1):60-61. Jan. 1966. 41.8 M69
- 56734 JAINUDEEN, M. R., and HAFEZ, E. S. E. Attempts to induce bovine freemartinism experimentally. J. Reprod. Fertil. 10(2):281-283. Oct.1965. 442.8 J8222
Effects of androgens.
- 56735 JAINUDEEN, M. R. Techniques used in the study of ovarian and uterine function in cattle. Ceylon Vet. J. 13(3):76-79. Sept.1965. 41.8 C33
- 56736 JAKSCH, W. Tympany of cattle; literature in the last ten years. (Ge) Wien. Tierarztl. Monatsschr. 53(2):136-142. Feb.1966. 41.8 T345
- 56737 JANIK, E., PASKA, J., and MATUSOVIC, F. The rate of body temperature and pulse of milk cows during their gravidity as a coefficient of the forthcoming birth. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:53-61. Ref. 1964. 281.9 N632
English summary.
- 56738 JASPER, D. E., and JAIN, N. C. Hemolytic behavior of staphylococci isolated from cows' milk. Can. J. Comp. Med. Vet. Sci. 30(3):63-70. Ref. Mar.1966. 41.8 C162
- 56739 JATKAR, P. R., and others. Comparative persistence of capillary tube-agglutination and complement-fixation test reactions in cattle treated to destroy the carrier state of anaplasmosis. Amer. J. Vet. Res. 27(116):372-374. Jan.1966. 41.8 Am3A
J. R. Kreier, E. L. Akin, and V. Tharp, joint authors.
- 56740 JOSEPH, R. L., and KOBURGER, J. A. In vitro response of bovine mastitis organisms to triple sulfa. W. Va. Acad. Sci. Proc. 37:13-17. Ref. 1965, pub.1966. 500 W52
- 56741 KALLAB, K. The occurrences of sarcosporidiosis. (Ge) Wien. Tierarztl. Monatsschr. 53(1):34-39. Ref. Jan.1966. 41.8 T345
English summary.
Cattle and swine.
- 56742 KATO, S. Administration of ovine anterior pituitary gonadotropic hormone for ovarian follicular cysts in dairy cows. (Ja) Jap. Vet. Med. Ass. J. 19(1):8-9, 7. 1966. 41.9 J275
- 56743 KECK, G., and SUPPERER, R. Studies on the giant liver fluke. I. The X-ray picture of isolated cattle liver. (Ge) Wien. Tierarztl. Monatsschr. 53(1):29-33. Jan.1966. 41.8 T345
English summary.
- 56744 KELLER, J., and THRAENHART, O. On the fixation of the hind limb of cattle for the treatment of hoofs and the udder, with the aid of a double clamp. (Ge) Deut. Tierarztl. Wochenschr. 73(1):3-5. Jan.1,1966. 41.8 D482
English summary.
- 56745 KHASANOV, N. KH. Livestock farms must be free from brucellosis. (Rus) Sel'skoe Khoz. Tadzh. 10:56-58. Oct.1965. 20 Se494
Chiefly cattle and sheep.
- 56746 KIELSTEIN, P., and BALABANOV, V. A. Trichophyton verrucosum Bodin (1902)—a highly organized zoophilous dermatophyte. (Ge) Monatsh. Veterinarmed. 21(1):16-20. Ref. Jan.1,1966. 41.8 M742
English summary.
Cattle and man.
- 56747 KINCAID, H. L., and TOUCHBERRY, R. W. Effects of parity order on production and body measurements. J. Dairy Sci. 49(3):301-306. Ref. Mar.1966. 44.8 J822
Number of pregnancies of cattle.
- 56748 KLEINSCHROTH, E. Experiments for preventing and controlling udder diseases in the cattle health service of Bavaria. (Ge) Wien. Tierarztl. Monatsschr. 53(3):179-188. Mar.1966. 41.8 T345
- 56749 KNEZEVIC, P. Combination test plier for cattle and horse hoofs—contribution to the diagnosis of lameness in cattle. (Ge) Wien. Tierarztl. Monatsschr. 53(4):282-292. Ref. Apr.1966. 41.8 T345
English summary.
- 56750 KONERMANN, H. Birth machines. (Ge) Übersicht 17(4):290-292, 294-296. Apr.9,1966. 18 Ub3
Equipment to aid in cattle births.
- 56751 KONO, I. Experimental studies on filaricidal effect upon Setaria digitata. Kagoshima Univ. Fac. Agr. Mem. 5(2):9-17. Mar.1965. 107.6 K114
Cattle parasite; tests with rabbits.
- 56752 KONONYUK, G. YA., and DUZHANSKII, M. G. Postparturient hemoglobinuria in cows. (Rus) Veterinariya 10:69-71. Oct.1965. 41.8 V6426
- 56753 KOROPOV, V. M., and PEREDEREV, N. I. Free amino acids in blood of cattle with ketosis. (Rus) Veterinariya 10:55-56. Oct.1965. 41.8 V6426

- 56754 KOSSNER, E. The influence of the veterinarian on the reproduction of cattle stock. (Ge) Monatsh. Veterinarmed. 21(3):81-88. Feb.1, 1966. 41.8 M742
English summary.
- 56755 KRAMER, T. T. Serology of bovine vibriosis. Diss. Abs. 26(9):5380. Mar.1966. 241.8 M58
- 56756 KRAWIEC, Z. Differential diagnosis of reticulitis traumatica. (Pol) Med. Weter. 21(12):740. Dec.1965. 41.8 M463
Cattle.
- 56757 KRUGER-HANSEN-SCHOOP, U., SCHOOP, G., and BRODEMANN, R. On the possibility of Miyagawanella bovis infection of the milker. (Ge) Wien. Tierarztl. Monatsschr. 53(1):23-28. Ref. Jan.1966. 41.8 T345
English summary.
- 56758 KUCHERUK, N. KH. Use of iodinol in actinomycosis of cattle. (Rus) Veterinariya 10:32. Oct.1965. 41.8 V6426
- 56759 KUDRYAVTSEV, A. A., and others. Composition and properties of blood and marrow in cattle. (Rus) Veterinariya 10:50-52. Oct. 1965. 41.8 V6426
A. V. Kuz'mychev, A. I. Vertunov, and A. K. Kuzyaev, joint authors.
- 56760 KUIL, H. Helminths in cattle in Surinam. I. Occurrence, diagnosis and course of infection. (Du) Surinaamse Landbouw 13(6):225-235. 1965. 9.6 Su7
English summary.
- 56761 KUTAS, F. The investigation of acid-base equilibrium in cattle under the conditions of acidosis and alkalosis by means of blood analysis. (Hu) Magyar Allatorv. Lapja 21(3):112-115. Ref. Mar.1966. 41.8 V644
English summary.
- 56762 KWATRA, M. S., and KHERA, S. S. Pathology of oxalate poisoning in cattle. I-II. Indian J. Vet. Sci. Anim. Husband. 35(2):157-172. Ref. June 1965. 41.8 In22
Potassium oxalate.
- 56763 LANDIK, G. T. Sanitation of brucellosis foci resulting from Br. melitensis transmissions on cattle. (Rus) Zhur. Mikrobiol. Epidemiol. Immunobiol. 1:64-69. Jan.1966. 44.8 Z4
English summary.
- 56764 LANDREY, J. S. A. The effect of mastitis on herd milk production and composition. S. Afr. Vet. Med. Ass. J. 36(4):515-519. Dec.1965. 41.8 So8
In South Africa.
- 56765 LANGE, W., and DECKER, W. The effect of high tension impulses on cattle. (Ge) Monatsh. Veterinarmed. 20(23):969-974. Ref. Dec.1, 1966. 41.8 M742
Electrical.
- 56766 LAWRENCE, R. C., and HAWKE, J. C. The incorporation of [1-¹⁴C] acetate into the methyl ketones that occur in steam-distillates of bovine milk fat. Biochem. J. 98(1):25-29. Ref. Jan.1966. 382 B52
Cattle physiology.
- 56767 LEONARD, E. How to analyze herd health costs in dairy practice. Mod. Vet. Pract. 47(3):54-57. Mar.1966. 41.8 N812
- 56768 LINDHE, B. Kalvforluster och forlossnings-svarigheter som ett avelsproblem; en litteraturstudie [Calf losses and calving problems as a breeding problem; a literature study]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 82,13 p. Ref. 1966. 11 Up62A
- 56769 LINGARD, D. R., and DICKINSON, E. O. Uterine adenocarcinoma with metastasis in the cow. Amer. Vet. Med. Ass. J. 148(8):913-915. Apr.15,1966. 41.8 Am3
- 56770 LOCHKAREV, V. A. Clinical significance of the iodine test in cows. (Rus) Veterinariya 10:57-58. Oct.1965. 41.8 V6426
Disease diagnosis.
- 56771 LOMBARD, C. Leukosis in cattle herds in Aude. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):383-390. Ref. Nov.1965. 41.9 R24
Includes discussion.
- 56772 LOVE, J. N., and VALENTINE, B. L. Preservation of bovine erythrocytes in glycerin at -79 C. Amer. J. Vet. Res. 27(116):207-210. Ref. Jan.1966. 41.8 Am3A
- 56773 LUCAS, H. F., and FERRANTE, E. R. DL The Ra226, Po210 and Th228 in bovine bone and teeth. Radiat. Res. 27(4):718-726. Apr.1966. 334.8 R11
Occurring naturally.
- 56774 LUICK, J. R., and KAMEOKA, K. K. Direct incorporation of beta-hydroxybutyric acid into milk fat butyric and hexanoic acids in vivo. J. Dairy Sci. 49(1):98-100. Ref. Jan.1966. 44.8 J822
- 56775 LUPS, P., and RITTER, H. C. Research on relations between chronic udder diseases and the milk production of cows. (Ge) Bayer. Landwirt. Jahrbuch 42(3):296-310. 1965. 18 L24
- 56776 LYNN, J. E. Studies on the effects of exogenous oxytocin and glucose and experimental infection and suckling on the bovine corpus luteum, uterus and utero-ovarian physiology. Diss. Abs. 26(9):5515. Mar.1966. 241.8 M58
- 56777 MACKENZIE, R. M. Disease problems associated with intensive cattle husbandry. Scot. Agr. 45(1):18-25. Winter 1965/66. 10 Sco82So
- 56778 MACLAREN, A. P. C. Nervous conditions in young cattle. Scot. Agr. 45(1):13-15. Winter 1965/66. 10 Sco82So
- 56779 MARQUARDT, R. R., and FORSTER, T. L. Variations in bovine plasma A-esterase activity and the relationship between plasma and milk A-esterase activities. J. Dairy Sci. 49(1):19-23. Ref. Jan.1966. 44.8 J822
- 56780 MARTIENSEN, J. Oversized calf in Red Pied heifer. (Ge) Deut. Tierarztl. Wochenschr. 73(5):110. Mar.1,1966. 41.8 D482
- 56781 MARTIN, W. B., and others. Bovine ulcerative mamillitis caused by a herpes virus. Vet. Rec. 78(14):494-497. Ref. Apr.2,1966. 41.8 V641
B. Martin, D. Hay, and I. M. Lauder, joint authors.
- 56782 MATTHAEUS, W., and STRAUB, O. C. Serum electrophoretic and hematological findings in normal cattle and cattle suffering from leukosis and foot-and-mouth disease. (Ge) Berliner Munchener Tierarztl. Wochenschr. 78(22):421-425. Ref. Nov.15,1965. 41.8 B45
English summary.
- 56783 MCDOWELL, R. E., and others. Procedure for exteriorizing the carotid artery in the bovine. J. Dairy Sci. 49(1):78-80. Jan.1966. 44.8 J822
P. C. Underwood, R. H. Lehmann, and M. S. Barrada, joint authors.
- 56784 MEISINGER, G. Planned elimination of bovine tuberculosis in a heavily infested district with mainly collective farms of type I. (Ge) Monatsh. Veterinarmed. 21(2):41-47. Jan.15, 1966. 41.8 M742
English summary.
- 56785 MELLIN, T. N. Bovine urinary estrogen excretion before and after normal and induced parturition. Diss. Abs. 26(3):1734-1735. Sept.1965. 241.8 M58

- 56786 MICHELAT, J. Notes of veterinary obstetrics. II. (Fr) Rev. Med. Vet. 142(3):235-241. Mar.1966. 41.8 R24
English summary.
Dorsal posture in cows and mares.
- 56787 MICHELAT, J. Notes on veterinary obstetrics. I. Possibilities of obstetrical manoeuvres on the paraplegic cow. (Fr) Rec. Med. Vet. 142(2):117-122. Feb.1966. 41.8 R24
English summary.
- 56788 MILLER, J. K. Absorption and gastric secretion of iodine-131 and chlorine-36 in dairy calves. Soc. Exp. Biol. Med. Proc. 121(1):291-294. Ref. Jan.1966. 44.2 S01
- 56789 MILLER, R. H., and others. Maximum likelihood estimates of age effects. J. Dairy Sci. 49(1):65-73. Ref. Jan.1966. 44.8 J822
W. R. Harvey, K. A. Tabler, B. T. McDaniel, and E. L. Corley, joint authors.
Lactation.
- 56790 MILLOT, P. Existence of inhibitory blood sera groups in cattle comparable to the groups Gm in man. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1166-1168. Mar.7,1966. 505 P21
- 56791 MINCHEV, P. On a new therapeutic method for the ovarian cyst syndrome in cattle. (Ge) Monatsh. Veterinarmed. 21(3):95-98. Ref. Feb.1,1966. 41.8 M742
English summary.
Includes morphine and bromine.
- 56792 MISIRI, N., ALIKO, H., and VODOPI, M. Comparative fasciolicide action of antifasciol, distocaine, and ursofasciol used in cattle. (Al) Bul. Shkencave Bujqesore 4(4):83-88. 1965. 21.5 B87
English summary.
Carbon tetrachloride compounds.
- 56793 MITSCHERLICH, E., and others. Studies on the correlation between the resistance to mastitis and the blood grouping factors in Black Pied Lowland cattle. (Ge) Deut. Tierarztl. Wochensh. 73(5):97-102. Ref. Mar.1,1966. 41.8 D482
F. Högrevé, J. Koch, and E. Scupin, joint authors.
English summary.
- 56794 MODERN VETERINARY PRACTICE. Focus on feedlot practice. Mod. Vet. Pract. 47(4):35-40. Apr.1966. 41.8 N812
- 56795 MODERN VETERINARY PRACTICE. Our panel reports—question: What are the predisposing causes of infectious diarrhea in calves in your practice, and how do you control or treat this condition? Mod. Vet. Pract. 47(3):60,62,64,66. Mar.1966. 41.8 N812
- 56796 MOGENS, A., SIMESSEN, G., and HYLDGAARD-JENSEN, J. Rumen overload poisoning from the point of view of water therapy. (Da) Danske Dyrlægefor. Medlemsbl. 49(5):199-201. Mar.1,1966. 41.9 D23
Cattle.
- 56797 MOLNAR, J. Experimental application of 15% p-Chlorophenoxyethalone with various additions in the therapeutics of ringworm in calves. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(7):401-403. July 1965. 41.9 C333
English summary.
- 56798 MORAND, M. Contribution a l'etude des particularites de l'endocrinologie sexuelle de la vache [Contribution to the study of the peculiarities of sexual endocrinology in the cow]. Lyon. Ecole Nat. Vet. These 44,118 p. Ref. 1965. 41.2 L99
- 56799 MORROW, D. A. Laminitis in cattle. Vet. Med./Small Anim. Clin. 61(2):138-146. Ref. Feb.1966. 41.8 M69
- 56800 MULLENAX, C. H., and others. Stimulating eructation and vomiting in normal and bloated ruminants with alkaloidal extracts from *Vera-trum* spp. Amer. J. Vet. Res. 27(116):211-222. Ref. Jan.1966. 41.8 Am3A
W. B. Buck, R. F. Keeler, and W. Binns, joint authors.
Cattle and sheep.
- 56801 MULLING, M., KRAATZ, F., and RICHTER, W. Tests on cattle, calves and pigs after application of the sulphonamide sulfamethylphenylpyrazol (Ciba 18 605-Ba) toleration behaviour in body fluids and therapeutic value. (Ge) Berliner Munchener Tierarztl. Wochensh. 78(22):425-431. Ref. Nov.15,1965. 41.8 B45
English summary.
- 56802 MUNTIU, N., and others. Studies on the correlation between the frictional and the intradermolingual control of infection in determining the effectiveness of a foot-and-mouth disease vaccine in cattle. (Ge) Deut. Tierarztl. Wochensh. 73(3):61-63. Ref. Feb.1,1966. 41.8 D482
V. Dohotaru, A. Bercan, and A. Tomescu, joint authors.
English summary.
- 56803 MURRAY, D. M. A comparison of cutaneous evaporation rates in cattle exposed to heat in a climate laboratory and in the field. J. Agr. Sci. [London] 66(2):175-179. Ref. Apr.1966. 10 J822
- 56804 MUSSIGMANN, H. Voren, a prophylactic for milk fever. (Ge) Prakt. Tierarzt 47(4):157. Apr.1,1966. 41.8 P882
Cattle.
- 56805 NAGY, G. Diagnosis and prevention of mastitis. (Hu) Magyar Mezogazdasag 21(12):17. Mar.23,1966. 19 M27
Cattle.
- 56806 NAROZNY, J. Dental fluorosis of cattle. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(7):421-424. Ref. July 1965. 41.9 C333
English summary.
- 56807 NEAVE, F. K., DODD, F. H., KINGWILL, R. G. A method of controlling udder disease. Vet. Rec. 78(15):521-523. Apr.9,1966. 41.8 V641
Mastitis of cattle.
- 56808 NEUNDORF, R. Rearing damages in cattle and swine breeding and their relations and connections to production and reproduction. (Ge) Monatsh. Veterinarmed. 21(3):88-95. (Cont.) Feb.1,1966. 41.8 M742
Chiefly on veterinarian's role in disease prevention and in care.
- 56809 NIELSEN, S. W., and others. Parotid duct metaplasia in marginal bovine vitamin A deficiency. Amer. J. Vet. Res. 27(116):223-233. Ref. Jan.1966. 41.8 Am3A
J. H. L. Mills, J. E. Rousseau, and C. G. Woelfel, joint authors.
- 56810 NILAKANTAN, P. R. Studies on blackquarter. II-III. Indian J. Vet. Sci. Anim. Husband. 35(2):135-149. Ref. June 1965. 41.8 In22
Includes vaccines for cattle and antibiotics action on *Clostridium chauvoei*.
- 56811 NOLAN, J. V. Stone the crows! S. Australian Dairymen's J. 5(3):28-31. Nov./Dec.1965. 44.8 So86
Foot and mouth disease in Australia; in cattle.
- 56812 NSANGOU-NANJI, M. Contribution a l'etude de la peripneumonie contagieuse des bovines au Cameroun [Contribution to the study of contagious pleuropneumonia in cattle in Cameroun]. Lyon. Ecole Nat. Vet. These 3,86 p. Ref. 1965. 41.2 L99

- 56813 NUMANS, S. R., GROOT, J. J. DE, and NE-METH, F. Operative treatment of ulceration of the sole in cattle. (Du) Tijdschr. Diergeneesk. 91(5):279-292. Ref. Mar.1,1966. 41.8 T431
English summary.
- 56814 NYHAN, J. F. How can mastitis be controlled? Irish Agr. Creamery Rev. (n.s.)19(386):11-12. Feb.1966. 44.8 C866
- 56815 OLCESE, M. R. Foot-and-mouth disease. (Sp) Indus. Lactas 15(3):8-10. Mar.1966. 286.85 In83
Argentina.
- 56816 OGER, Y. Blood groups in cattle. (Fr) Agr. Prat. 130(2):27-28. Feb.1966. 14 J82
- 56817 OLSEN, R. E. Determining the erythrocyte sedimentation rate of cattle. Amer. Vet. Med. Ass. J. 148(7):801-803. Ref. Apr.1,1966. 41.8 Am3
- 56818 OLSON, N. E. Studies on the effects of vaccination of dairy cattle against staphylococcal mastitis. Diss. Abs. 26(9):5377-5378. Mar. 1966. 241.8 M58
- 56819 OMURA, Y., and KATO, B. Freemartins as quintuplets calved by a dairy cow. (Ja) Jap. Vet. Med. Ass. J. 19(1):12-14. 1966. 41.9 J275
English summary.
- 56820 ORDOG, SZ. Relationships between milk yield and some ingredients of the blood. (Hu) Al-lattenyesztes 15(1):33-37. Ref. Mar.1966. 49 AL57
English summary.
- 56821 OSBURN, M. W. Guard against foot rot in cattle. Kans. State Univ. Agr. Ext. L-88, rev., 4 p. Jan.1966. 275.29 K13Le
- 56822 PALMQUIST, D. L. Pathways of carbohydrate utilization in the rumen. Diss. Abs. 26(8):4217. Feb.1966. 241.8 M58
Cattle.
- 56823 PANCIERA, R. J., JOHNSON, L., and OSBURN, B. I. A disease of cattle grazing hairy vetch pasture. Amer. Vet. Med. Ass. J. 148(7):804-808. Ref. Apr.1,1966. 41.8 Am3
Characterized by dermatitis and other conditions.
- 56824 PATTERSON, D. S. P., and SWEASY, D. Serum glycoproteins in normal cows and in clinical cases of Johne's disease. Vet. Rec. 78(11):364-368. Ref. Mar.12,1966. 41.8 V641
- 56825 PEARSON, J. K. L. Mastitis-a new approach to an old problem. Agr. Northern Ireland 40(8):230-233. Dec.1965. 256.13 Ag82M
In cattle.
- 56826 PENN, K. E., DEESE, D. C., and NICHOLS, R. E. A factor in ruminal contents that inhibits the gelling of pectin by pectin methyl esterase—its relationship to legume bloat. Amer. J. Vet. Res. 27(116):369-372. Jan.1966. 41.8 Am3A
Cattle.
- 56827 PLASTRIDGE, W. N., KERSTING, E. J., and WILLIAMS, L. F. Resistance of vaccinated heifers to vibriosis. Amer. J. Vet. Res. 27(116):186-190. Ref. Jan.1966. 41.8 Am3A
- 56828 POLITIEK, R. D. Capability for milking and milk production of heifers. (Du) Veeteelt Zuivelber. 8(10):395-401. Ref. Oct.1965. 49 V51
- 56829 POTASHEVSKII, N. D. Diagnosis of subclinical mastitis in cows. (Rus) Veterinariya 9:74-77. Sept.1965. 41.8 V6426
- 56830 PRANDZHEV, I. P. Obstetric help in case of uterine torsion in cows. (Rus) Veterinariya 10:67-69. Oct.1965. 41.8 V6426
- 56831 PRIBYL, J. Study of the shape of thorax of cattle. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(11):807-816. Ref. Nov.1965. 49.9 C33
English summary.
- 56832 PROBST, H. P., and others. Studies on the estimation of sulphonamides in cattle blood, using an auto-analyzer. (Ge) Zentralbl. Veterinar-med. Reihe A, 12(8):744-760. Nov.1965. 41.8 Z5
W. F. Rehm, H. Sporri, and J. P. Vuilleumier, joint authors.
English summary.
- 56833 RAJAMANNAN, A. H. J., LINNERUD, A. C., and GRAHAM, E. F. Lactation studies. IX. Relationship of milk flow rate and complementary milk to milk yields in a herd of Holstein cattle. J. Dairy Sci. 49(1):32-35. Jan.1966. 44.8 J822
- 56834 RICHARDSON, G. How mastitis control programs are working. West. Dairy J. 22(6):10-12. Apr.1966. 44.8 W524
Western States.
- 56835 RICHTER, H. E. Injuries caused by the volatile oil of horse mint, *Mentha longifolia* L. Nath. (Ge) Wien. Tierarztl. Monatsschr. 53(3):201-202. Mar.1966. 41.8 T345
To cattle.
- 56836 RIECK, G. W. On the taillessness in cattle. (Ge) Deut. Tierarztl. Wochenschr. 73(4):80-85. Ref. Feb.15,1966. 41.8 D482
English summary.
- 56837 RIEHM, H., and SCHOLL, W. Influence of phosphorus content of soil and feed on the occurrence of hematuria vesicalis bovis. (Ge) Phosphorsäure 25(3/4):159-164. Ref. 1965. 57.8 P563
- 56838 RIEHM, H., and SCHOLL, W. Thomas phosphate as a prophylactic for the wasting disease in the Black Forest. (Ge) Phosphorsäure 25(3/4):151-158. Ref. 1965. 57.8 P563
Cobalt deficiency of cattle.
- 56839 RIJAVEC, M. Ornithine transcarbamylase and arginase in some parasitic worms of cattle. (Ge) Z. Parasitenk. 26(2):163-167. Ref. Oct.18,1965. 442.8 Z33F
English summary.
- 56840 RIJAVEC, M., and KURELEC, B. Urea cycle of some cattle parasites (helminths). (Ge) Z. Parasitenk. 26(2):168-172. Oct.18,1965. 442.8 Z33F
English summary.
- 56841 RITTER, H. C., and WALSER, K. On the nursing behavior of calves in mother cow herds with special attention to udder health of the mother cow. (Ge) Bayer. Landwirt. Jahrbuch 42(3):324-328. 1965. 18 L24
- 56842 ROBERTS, G. P., and GIBBONS, R. A. The action of neutral hypochlorite on epithelial mucopolysaccharides. Biochem. J. 98(2):426-437. Ref. Feb.1966. 382 B52
Cattle.
- 56843 ROMMEL, M., and others. Experimental toxoplasma infections in calves. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(3):41-45. Ref. Feb.1,1966. 41.8 B45
R. Sommer, K. Janitschke, and I. Muller, joint authors.
English summary.
Toxoplasma gondii.
- 56844 ROVOZZO, G. C. Characterization and classification of three enteric cytopathogenic bovine orphan (ECBO) viruses. Diss. Abs. 26(9):4972. Mar.1966. 241.8 M58
- 56845 ROSSOW, N., and CZARNETZKI, G. Chopped sugar beet leaf as possible cause of disease in cattle. (Ge) Monatsh. Veterinarmed. 20(23):952-957. Ref. Dec.1,1965. 41.8 M742
Toxicity of mechanically harvested sugar beet leaf.
- 56846 RUBENKOV, A. A. Intravital staining of the cattle pathogen, *Trichomonas* [fetus]. (Rus) Veterinariya 9:53-54. Sept.1965. 41.8 V6426

- 56847 RUBENKOV, A. A. Obtaining smears from the uterine cervix of cows. (Rus) Veterinariya 10:65-66. Oct.1965. 41.8 V6426
- 56848 RUOSCH, W. Control of microceliasis of cattle. (Ge) Schweiz. Arch. Tierheilk. 108(3):125-138. Ref. Mar.1966. 41.8 Sch9
English summary.
With Hetolin.
- 56849 RUSINOV, A. F. Rickettsial keratoconjunctivitis in cattle. (Rus) Veterinariya 10:29-31. Oct.1965. 41.8 V6426
- 56850 RUSSE, I. The intra-uterine position of twins in cows and the physiological consequences at birth. (Ge) Berliner Munchener Tierarztl. Wochensh. 79(6):101-103. Ref. Mar.15, 1966. 41.8 B45
English summary.
- 56851 RUSSE, M. The course of parturition in cattle; a contribution to the functional actions in normal birth. (Ge) Arch. Exp. Veterinarmed. 19(4):963-1026. Sept.1965. 41.8 Ex7
Bibliography, p.1016-1026.
- 56852 RUSSELL, G. B., and BAILEY, R. W. Bloat in cattle. XXVI. The sulpholipid of red clover (*Trifolium pratense* L.) and its fate in the rumen. New Zeal. J. Agr. Res. 9(1):22-31. Ref. Feb.1966. 23 N4892
- 56853 SATTAR, S. A. The role of infectious bovine rhinotracheitis and parainfluenza-3 viruses in bovine abortion and some studies on infectious bovine rhinotracheitis in calves. Diss. Abs. 26(3):1293. Sept.1965. 241.8 M58
- 56854 SAURAT, P., and GILBERT, Y. The "infectious bovine rhinotracheitis" complex. (Fr) Cah. Med. Vet. 35(1):3-49. Ref. Jan./Feb. 1966. 41.8 C11
- 56855 SCHAAL, E. Q fever and meat hygiene. (Ge) Arch. Lebensmittelhyg. 16(10):229-232. Ref. Oct.1965. 41.8 L49
Cattle and sheep.
- 56856 SCHOU, J. A survey of retained placenta in the cow. (Da) Nord. Veterinaarmed. 17(12):693-702. Ref. Dec.1965. 41.8 N813
English summary.
- 56857 SCHULTZE, W. D., and SMITH, J. W. The cellular content of cows' milk. II. Comparison of the CMT [California Mastitis Test] microscopic count for estimating cell concentrations in quarter samples. J. Milk Food Technol. 29(4):126-129. Apr.1966. 44.8 J824
- 56858 EL SERGANY, M., FRESE, K., and HERZOG, A. Glycogen content of lymphocytes in smears from healthy, leukotic and suspect cases of leukosis in cattle. (Ge) Berliner Munchener Tierarztl. Wochensh. 79(1):4-6. Jan.1, 1966. 41.8 B45
English summary.
- 56859 SHIMIZU, K., and others. Occurrence of secretion of abnormal milk and treatment for it among dairy cows in Eastern Hokkaido. (Ja) Jap. Vet. Med. Ass. J. 18(8):6-10. 1965. 41.9 J275
H. Goto, M. Miyake, and H. Ono, joint authors.
English summary.
- 56860 SIMESSEN, M. G., and HYLDGAARD-JENSEN, J. A convenient and rapid method for the determination of urea. (Da) Danske Dyrlaegefor. Medlemsbl. 49(6):246-249. Mar.15, 1966. 41.9 D23
Serum from cattle and pigs.
- 56861 SIMETSKII, O. A., and MUTOVIN, V. I. Erythromycin for cure of sub-clinical mastitis in cows. (Rus) Veterinariya 9:78-79. Sept.1965. 41.8 V6426
- 56862 SIMINTZIS, G. Diagnosis of bovine brucellosis by the serum "globulin" fraction. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):447-451. Nov. 1965. 41.9 R24
- 56863 SIMINTZIS, G. Volume of brucellic antibodies in vaginal mucous; incidence in diagnosis of bovine brucellosis. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):391-395. Nov.1965. 41.9 R24
- 56864 SIMKINS, K. L. Relationship of blood and rumen metabolites to food intake and ruminants. Diss. Abs. 26(9):5519. Mar.1966. 241.8 M58
Cattle.
- 56865 SLUZEWSKI, R., and KINKA, R. Investigations on the disappearance of antibiotics administered therapeutically in the muscle tissue and interior organs of slaughter animals. (Pol) Med. Weter. 21(12):714-716. Dec.1965. 41.8 M463
English summary.
Cattle.
- 56866 SMIRNOV, S. I. Ketosis of cows. (Rus) Veterinariya 10:52-54. Oct.1965. 41.8 V6426
Causes.
- 56867 SMITH, J. W., and SCHULTZE, W. D. The cellular content of cows' milk. I. An evaluation of the California Mastitis Test as a method of estimating the number of cells in milk. J. Milk Food Technol. 29(3):84-87. Mar.1966. 44.8 J824
- 56868 SMITH, R. H. Mineral composition and rates of flow of effluent from the distal ileum of liquid-fed calves. J. Physiol. 183(3):532-550. Ref. Apr.1966. 447.8 J82
- 56869 SOLIMAN, M. K., EL AMROUSI, S., and YOUSSEF, L. B. Some studies on the cerebrospinal fluid of healthy cattle. Zentralbl. Veterinarmed. Reihe A, 12(8):769-776. Ref. Nov.1965. 41.8 Z5
- 56870 SOMMER, H. On the relation between weather and milk production of cattle. (Ge) Bayer. Landwirt. Jahrbuch 42(3):311-323. Ref., p.320-323. 1965. 18 L24
- 56871 SOSOV, R. F., KOVBA, P. YA., and SHUPLIKO, A. N. Etiological and epizootological role of *Leptospira hebdomadis* sero-group. (Rus) Veterinariya 9:28-30. Sept.1965. 41.8 V6426
In cattle.
- 56872 SPALTER, H. F., and LEN, P. J. Antigenic differences between anterior and posterior segments of the bovine uveal tract. Arch. Ophthalmol. 75(4):526-534. Ref. Apr.1966. 448.8 Ar291
- 56873 STOCKLER, A. Operative treatment of udder edema. (Ge) Wien. Tierarztl. Monatsschr. 53(3):189-193. Mar.1966. 41.8 T345
English summary.
Cattle.
- 56874 STONER, M. Survey over the history of buiatrics. (Ge) Berliner Munchener Tierarztl. Wochensh. 78(24):461-465. Ref. Dec.15, 1965. 41.8 B45
English summary.
Bovine medicine and surgery.
- 56875 SUGIE, T. Successful transfer of a fertilized bovine egg by non-surgical techniques. J. Reprod. Fertil. 10(2):197-201. Ref. Oct.1965. 442.8 J8222
- 56876 SVENDSEN, P. An estimate of the surgical treatment. (Da) Nord. Veterinaarmed. 18(2):108-114. Ref. Feb.1966. 41.8 N813
English summary.
Cattle abomasum.
- 56877 SWIGER, L. A., and others. Adjustment factors for carcass, gain and feed traits of beef cattle. J. Anim. Sci. 25(1):69-72. Feb.1966. 49 J82
K. E. Gregory, V. H. Arthaud, B. C. Briedenstein, R. M. Koch, L. J. Sumption, and W. W. Rowden, joint authors.
Effects of age and weight.
- 56878 SZPAKOWSKI, J. Remarks on control program of cattle tuberculosis in Sandomierz district. (Pol) Med. Weter. 21(9):548-552. Sept. 1965. 41.8 M463.

- 56879 SZULC, A. Extent and distribution of *Fasciola hepatica* invasion in Olsztyn Province in the years 1957-1964 on bases of post-slaughter inspections of cattle. (Pol) *Med. Weter.* 21 (9):542-544, map. Sept. 1965. 41.8 M463
- 56880 TARAKANOV, B. V. Lactic acid bacteria of rumen in calves and the effect of crystal oxy-tetracycline. (Rus) *Veterinariya* 9:22-24. Ref. Sept. 1965. 41.8 V6426
- 56881 THOMSON, R. G. Congenital bronchial hypoplasia in calves. *Pathol. Vet.* 3(2):89-109. Ref. 1966. 41.8 P27
- 56882 TIKOFF, G., KUIDA, H., and CHIGA, M. Hemodynamic effects of endotoxin in calves. *Amer. J. Physiol.* 210(4):847-853. Ref. Apr. 1966. 447.8 Am3
- 56883 TODD, G. C. Nutritional bovine hepatic necrosis. *Diss. Abs.* 26(9):5382. Mar. 1966. 241.8 M58
- 56884 TOPPS, J. H., REED, W. D. C., and ELLIOTT, R. C. Studies of the metabolism of cattle given high concentrate diets. *J. Agr. Sci. [London]* 66(2):233-240. Ref. Apr. 1966. 10 J822
Southern Rhodesia.
- 56885 TOUADE, M. P. Depistage et prophylaxie de la peste bovine au Tchad [The discovery and prophylaxis of rinderpest in Chad]. *Lyon. Ecole Nat. Vet.* These 21,86 p., map. Ref. 1965. 41.2 L99
- 56886 URBANYI, L. Effect of age, sex and crossing on ash content of skeleton in cattle. (Hu) *Al-lattenyesztes* 15(1):39-42. Mar. 1966. 49 AL57
English summary.
- 56887 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. What you should know about market cattle testing for brucellosis. U. S. D. A. PA-434, 8 p.-folder. Mar. 1966. 1 Ag84Pro
- 56888 VAN DEN HEEVER, L. W. Diagnosis and control of herd mastitis by examination of can samples. *S. Afr. Vet. Med. Ass. J.* 36(4):527-534. Ref. Dec. 1965. 41.8 So8
In South Africa.
- 56889 VAN PELT, R. W., and LANGHAM, R. F. Degenerative joint disease in cattle. *Amer. Vet. Med. Ass. J.* 148(5):535-542. Ref. Mar. 1, 1966. 41.8 Am3
Arthritis.
- 56890 VOGLER, G. 6% Neguvon suspension in the *Trichophyton* infection of ruminant. (Ge) *Wien. Tierarztl. Monatsschr.* 53(1):51. Jan. 1966. 41.8 T345
Cattle.
- 56891 VOGLER, G. Treatment of ovarian cysts of cattle by intracystic injection of chorionic gonadotropin. (Ge) *Wien. Tierarztl. Monatsschr.* 52(11):1002-1005. Nov. 1965. 41.8 T345
English summary.
Prepitan and terramycin.
- 56892 VOGLER, G. Udder control. (Ge) *Wien. Tierarztl. Monatsschr.* 53(2):122-126. Feb. 1966. 41.8 T345
Disease control in cattle.
- 56893 VUILLAUME, R. Ketosis; biochemical mechanisms of the production of ketone bodies. (Fr) *Rec. Med. Vet.* 142(1):5-13. Jan. 1966. 41.8 R24
English summary.
Cattle and sheep.
- 56894 WADDINGTON, F. G. Report to the Government of Kenya on a tuberculin test survey of cattle in Kenya with observations on the significance of tuberculin sensitivity. *Food. Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep.* 2011, 38 p. 1965. 281.9 F733E
- 56895 WALLIN, O., and PEHRSON, B. Hyperproteinosis of dairy cattle during barn feeding. (Sw) *Svensk Veterinartidn.* 17(13/14):423-425. July 1965. 41.9 Sv23
Cause of diarrhea.
- 56896 WALSER, K. Studies on the influence of milking machine on udder health. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(2):149-192. (Cont.) Feb. 1966. 41.8 Z5
- 56897 WARD, G. M. Oral potassium chloride fatal to a cow. *Amer. Vet. Med. Ass. J.* 148(5):543-544. Mar. 1, 1966. 41.8 Am3
- 56898 WEHNER, W. Acute coli-mastitis of cow. (Ge) *Prakt. Tierarztl.* 47(3):106-107. Mar. 1, 1966. 41.8 P882
- 56899 WEISMAN-HAMERMAN, Z., and HART, P. C. Research about plasma iron content and total iron binding capacity in cows with a smooth tongue. (Du) *Tijdschr. Diergeneesk.* 91(3):171-177. Ref. Feb. 1, 1966. 41.8 T431
English summary.
- 56900 WESER, G. Contribution to cultural determination of streptococcal mastitis in herd studies. (Ge) *Monatsh. Veterinarmed.* 20(21):868-869. Nov. 1, 1965. 41.8 M742
Cattle.
- 56901 WHARTON, F. D. A note on haemoglobin levels in West African cattle. *Anim. Prod.* 8(1):149-151. Feb. 1966. 49 An55
Breeds in Ghana.
- 56902 WHARTON, F. D. A note on hepatic vitamin A and carotene stores in West African cattle. *Anim. Prod.* 8(1):145-148. Feb. 1966. 49 An55
Ghana; feeding deficiencies.
- 56903 WHIPP, S. C. Studies of the secretion of aldosterone, corticosterone and hydrocortisone in salt depleted calves. *Diss. Abs.* 26(9):5520. Mar. 1966. 241.8 M58
- 56904 WLJEWANTA, E. A., and SENEVIRATNE, D. A study of condemned livers of cattle obtained from the Kandy Slaughter House during 1962-1963. *Ceylon Vet. J.* 12(3):34-39. Sept. 1964. 41.8 C33
- 56905 WILKINSON, P. C. Immunoglobulin patterns of antibodies against *Brucella* in man and animals. *J. Immunol.* 96(3):457-463. Ref. Mar. 1966. 448.8 J8232
Includes cattle and rabbits infected by *Brucella abortus* and *B. melitensis*.
- 56906 WILLIAMS, W. F., and others. Identification of steroids in bovine tissue using thin-layer and gas chromatographic techniques. *J. Dairy Sci.* 49(1):100-102. Jan. 1966. 44.8 J822
J. Lynch, M. Barens, and B. Fagan, joint authors.
- 56907 WILLIAMS, W. F., WEISSHAAR, A. G., and LAUTERBACH, G. E. Lactogenic hormone effects on plasma nonesterified fatty acids and blood glucose concentrations. *J. Dairy Sci.* 49(1):106-107. Jan. 1966. 44.8 J822
- 56908 WILLOUGHBY, R. A. An immunohistochemical study of the cellular sites of antibody formation following *Staphylococcus aureus* mastitis in cattle. *Diss. Abs.* 26(9):5382. Mar. 1966. 241.8 M58
- 56909 WILSON, C. D. Mastitis control. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(3):106-109. Mar. 1966. 10 G79J
Cattle.
- 56910 WILSON, D. New brucellosis test. *Cattleman* 52(11):28-29. Apr. 1966. 49 C29
For cattle.
- 56911 WITTMANN, G., and EISSNER, G. Excretion of foot-and-mouth disease virus by cattle suffering from the disease and by cattle and pigs after experimental infection. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(6):105-109. Ref. Mar. 15, 1966. 41.8 B45
English summary.

- 56912 WOELFFER, E. A. Lungworm disease. Hoard's Dairyman 111(8):527. Apr.25,1966. 44.8 H65
In cattle; treatment.
- 56913 WOELFFER, E. A. Troubles that can develop in the fourth stomach. Hoard's Dairyman 111 (9):608-609. May 10,1966. 44.8 H65
Abomasum of cattle.
- 56914 WOHLBIER, W., and SCHNEIDER, W. Weight gains in steers under the influence of methylthiouracil. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):34-40. Feb.1966. 389.78 Z3
English summary.
- 56915 YARNS, D. A. Rumen factors affecting salivary secretion. Diss. Abs. 26(9):4931. Mar. 1966. 241.8 M58
In cattle.
- 56916 ZIMBELMAN, R. G., and SMITH, L. W. Maintenance of pregnancy in ovariectomized heifers with melengestrol acetate. J. Anim. Sci. 25 (1):207-211. Ref. Feb.1966. 49 J82
- Miscellaneous
- 56917 ALBRIGHT, J. L., and others. Behavioral responses of cows to auditory training. J. Dairy Sci. 49(1):104-106. Jan.1966. 44.8 J822
W. P. Gordon, W. C. Black, J. P. Dietrich, W. W. Snyder, and C. E. Meadows, joint authors.
- 56918 AMERICAN NATIONAL CATTLE ASSOCIATION, 1966 convention. Amer. Cattle Prod. 47(10):20-28. Mar.1966. 49 P94
Highlights, abstracts of addresses, and resolutions.
- 56919 ARIZONA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Arizona Dairy Herd Improvement Association's annual summary, October, 1964-September, 1965, by W. R. Van Sant. Tucson, 1965. 32 p.,map. 275.29 Ar42Ad
Includes records.
- 56920 ARKHANGEL'SKII, I. I., and REPIN, V. M. Methods for improving quality of milk. (Rus) Veterinariya 10:73-75. Oct.1965. 41.8 V6426
Sanitation.
- 56921 BACO, C. Contribution a l'etude de l'elevage bovin dans la Republique du Congo-Brazzaville [Contribution to the study of cattle raising in the Republic of Congo-Brazzaville]. Lyon. Ecole Nat. Vet. These 42,112 p.,map. Ref. 1965. 41.2 L99
- 56922 BAILLET, H. Orientation actuelle de la production laitiere en Moselle [Actual directions of milk production in Moselle]. Lyon. Ecole Nat. Vet. These 51,86 p.,map. Ref. 1965. 41.2 L99
The dairy breeds and the milk and dairy product industry.
- 56923 BAYOUMI, M. S. A survey of the prospects of beef production in the Sudan. Arab Vet. Med. Ass. J. 25(3):147-164, map. July/Sept.1965. 41.9 Ar1
- 56924 BERG, R. T., and BUTTERFIELD, R. M. Muscle:bone ratio and fat percentage as measures of beef carcass composition. Anim. Prod. 8(1):1-11. Ref. Feb.1966. 49 An55
- 56925 BOER, H. DE. Use of grading of slaughter cattle for marketing purposes and quality improvement in Netherlands. (Du) Veeteelt Zuilvelber. 9(1):19-26. Jan.1966. 49 V51
- 56926 BRADBURY, C. J., and MACLEAN, T. N. Association dairy herd test report, 1964-65. J. Agr. [Melbourne] 64(1):18-21,43-50, map. Jan. 1966. 23 V66J
- 56927 BUTENDIECK, N. Untersuchungen in Rinderherden auf Betrieben mit unterschiedlicher Wirtschaftsweise unter besonderer Berucksichtigung des Mineralstoffgehaltes des Blutes und des Bodens sowie der Zwischenkalbezeit [Studies on cattle herds in farms with different management methods with special emphasis on blood and soil mineral content as well on between calving period]. Hanover Tierarztl. Hochsch. Inaug.-Diss. 4,96 p. 1965. 41.2 H198
Bibliography, p.86-95.
- 56928 CADE, L. P. This calendar talks back. West. Dairy J. 22(6):13,15. Apr.1966. 44.8 W524
Cattle records.
- 56929 CANNAVO, F. The improvement in shelters for cattle in the rural areas near Savona. (It) Nuovo Prog. Vet. 21(4):164,166. Feb.28,1966. 41.8 P942
Importance of improved housing in production and disease control.
- 56930 CELSO, P. M. DL Variation in the components of the mammary secretion of buffaloes during the first week after parturition. (It) Ann. Sperim. Agr. (n.s.)17(5/6):617-641. Ref. 1963, pub.1965. 16 An76
English summary.
- 56931 CENA, M. The influence of mechanization on the behaviour of dairy cattle. (Pol) Med. Weter. 21(9):559-561. Sept.1965. 41.8 M463
Especially in the barn.
- 56932 COOPER, C. R. Effects of environmental factors and their two way interactions on weaning traits in Colorado beef herds. Diss. Abs. 26 (9):4925. Mar.1966. 241.8 M58
- 56933 DAVIDSSON, J. Size of herd. (Sw) Svensk Husdjursskotsel Ladugard. 9:298-299. Sept. 1965. 44.8 L12
Dairy cattle.
- 56934 ENGELHARD-PFAFFENHOFEN. The proper control of the fattening animals. (Ge) Unser Milchvieh 18(3):11-12. Mar.1966. 43.8 Un7
Management of cattle and swine.
- 56935 EYKHE, M. Methods for obtaining a high fat content in milk. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 58:6-8. Jan.7,1965. (JPRS 28,168) 173 J663Tso
Translation from Sovetskaya Latviya, Oct.3, 1964:3.
Issued by CFSTI.
- 56936 FAGERSTROM, B. Advantages of mechanical milking over manual milking. (Sp) Vida Agr. [Lima] 42(495):89,91,93. Feb.1965. 9.8 V66
- 56937 FLETCHER, W. J. New methods for confinement handling of beef. Amer. Soc. Agr. Eng. Pap. 915,5 p. 1965. 290.9 Am32P
Feeding of livestock completely within a shelter.
- 56938 FRANZMANN, J. R., and KUNTZ, B. T. Economics of size in southwestern beef slaughter plants. Okla. Agr. Exp. Sta. Bull. B-648,35 p. Apr.1965. 100 Ok4
U. S. Department of Agriculture, cooperating.
- 56939 HAARTSEN, P. I. Be careful while agitating liquid manure inside the pit. (Du) Landbouwmecanisatie 17(4):445,447. Apr.1966. 58.8 L2352
English summary.
Hazards to cattle.
- 56940 HELLSTROM, P. Seasonal variation in milk production. (Sw) Svensk Valltidskr. 4(4):111. 1965. 60.8 Sv22
- 56941 HODGSON, R. E. National Dairy Advisory Committee—a progress report. J. Dairy Sci. 49(3):338-340. Mar.1966. 44.8 J822
National Dairy Herd Improvement Coordinating Group.

- 56942 HOWARD, K. F. Producing beef in north-west Queensland. 2. Queensland Agr. J. 92(3):132-145. Mar.1966. 23 Q33
- 56943 IOANNISYAN, S. Measures taken by kolkhoz and sovkhos farms to increase the butterfat content of milk. U. S. Joint. Publ. Res. Serv. Transl. Soviet Agr. 55:1-11. Dec.23,1965. (JPRS 27,968) 173 J663Tso
Effects of breeding.
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 8:42-45. Aug.1964.
Issued by CFSTI.
- 56944 IOWA. STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. COOPERATIVE EXTENSION SERV. Iowa Dairy Herd Improvement Associations, annual summary for the testing year, May, 1964 through April, 1965, by D. E. Voelker, H. H. Van Horn, R. E. Whitmore, and B. R. Eastwood. Ames, 1965. 43 p.,map. 275.29 I9I
- 56945 ISRAEL. MINISTRY OF AGRICULTURE. CATTLE DIV. Awards to cattle breeders in Israel, 1964. n.p., 1965. 40 p. 43.9 Is72
English and Hebrew texts.
Includes one sheep award.
- 56946 KEESTRA, J. J. Influence of the height of the vacuum in machine milking on the capability for milking of cows. (Du) Veeteelt Zuivelber. 8(7/8):312-319. July/Aug.1965. 49 V51
- 56947 KOTVAS, R. On the study of microclimate in the stables for loose housing of milk cows. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:41-51. 1964. 281.9 N632
English summary.
- 56948 LANTMANNEN. Specialnummer: Kottjdursproduktion [Special number: beef cattle production]. Lantmannen 76(21),48 p. Oct.16,1965. 11 L234
- 56949 LEDJE, I. Meat production and type of operation. (Sw) Lantmannen 76(21):28,30. Oct.16, 1965. 11 L234
Veal and baby-beef.
- 56950 LOUISIANA CATTLEMEN'S ASSOCIATION. 1966 resolutions. Gulf Coast Cattleman 32(2):37-40. Apr.1966. 43.8 G95
- 56951 MADELMONT, C., and MICHON, G. Some observations on the mineral composition of powdered milk. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):397-403. Nov.1965. 41.9 R24
From cattle in different regions of France.
- 56952 MALOSSINI, F. Variations in the milk production and its components during the lactation period and their interrelations in buffaloes. (It) Ann. Sperim. Agr. (n.s.)18(1/2):243-273. Ref.,p.272-273. 1964,pub.1966. 16 An76
English summary.
- 56953 MCBURNEY, S., and TODD, J. A. W. Keeping a check on the dairy herd. Agr. Northern Ireland 40(8):244-246. Dec.1965. 256.13 Ag82M
- 56954 NIELSEN, N. G. English dairy farming. (Da) Tidsskr. Landokon. 9:381-392. Nov.1965. 11 T43
- 56955 NIELSEN, S. M. Machine milking. (Da) Landbonyt 19(9):307-310. Sept.1965. 11 L2322
- 56956 PAAPE, M. J., and TUCKER, H. A. Somatic cell content variation in fraction-collected milk. J. Dairy Sci. 49(3):265-267. Ref. Mar. 1966. 44.8 J822
- 56957 PICCIONI, M. The potentials of zootechnics make the difference in milk prices. (It) Esso Agr. 15(1):20-21. Feb.1966. 58.8 Es7
Dairy farm sanitation, chiefly.
- 56958 RENNIE, J. C. The effect of various environmental and genetic factors on milk composition. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Lab. Sect.:9-18. 1965. 44.9 In8
- 56959 ROBERTSON, A. A mathematical model of the culling process in dairy cattle. Anim. Prod. 8(1):95-108. Feb.1966. 49 An55
- 56960 RUSSO, V. Social behavior of cattle in loose housing. (It) Genio Rurale 29(2):165-167. Feb.1966. 281.8 R522
- 56961 RYZHKOV, V. G. Possibilities of the milk production on suburban farms. (Rus) Zhivotnovodstvo 2:34-36. Feb.1936. 49 Z6
- 56962 SALERNO, A., and TIBERIO, M. Investigations on the protein components of the colostrum of buffalo milk. (It) Ann. Sperim. Agr. (n.s.)17(5/6):439-454. Ref. 1963,pub.1965. 16 An76
English summary.
- 56963 SCHMIDT, G. H. Factors that influence rate of milking. Dairymen's League News 50(9):6. May 4,1966. 44.8 D1432
- 56964 SCHMIDT, G. H. How much individual attention do cows require during the milking operation? Dairymen's League News 50(8):6. Apr.20,1966. 44.8 D1432
- 56965 SCHMISSEUR, W. E., and others. Animal behavior responses to loose and free stall housing. J. Dairy Sci. 49(1):102-104. Jan.1966. 44.8 J822
J. L. Albright, W. M. Dillon, E. W. Kehrberg, and W. H. M. Morris, joint authors.
- 56966 SCHOONOVER, C. O., and others. Wyoming 4-H beef cattle handbook. Wyo. Univ. Ext. [4-H Club. Circ.] B-5,40 p. Oct.1965. 275.29 W99Fc
C. Kercher, B. Swift, and R. Pfadt, joint authors.
- 56967 SENFT, B., CIESLAR, D. P., and GROSCHO-WALSKI, D. K. The use of "Milkoscopes" in milk production testing. (Ge) Mitt. Deut. Landwirt.-Ges. 80(30):1198,1200. July 29,1965. 18 N39
- 56968 SEVELA, T., and STEPANEK, M. For a better qualification of milkers in the Breclav district. (Cz) Veterinarstvi 15(14):565-567. 1965. 41.8 V6439
- 56969 STELLMACHER, W. Measures for improving calf rearing. (Ge) Monatsh. Veterinarmed. 20(24):983-993. Ref. Dec.15,1965. 41.8 M742
Various sanitary and other measures to reduce calf losses.
- 56970 TEXAS AND SOUTHWESTERN CATTLE RAISERS ASSOCIATION. Resolutions adopted at the 89th TSCRA convention. Cattleman 52(11):14-15. Apr.1966. 49 C29
- 56971 TOUZEL, F. P. \$2,600 more every year! Dairyfarming Dig. 13(1):31-32. Jan./Feb.1966. 44.8 D1443
Care, in Australia.
- 56972 VAN DER WOUDE, M., and BANKS, C. C. Practical production of white veal entails careful husbandry. New Zeal. J. Agr. 112(3):52-53, 55. Mar.1966. 23 N48J
- 56973 VAN VLECK, L. D. Change in variance components associated with milk records with time and increase in mean production. J. Dairy Sci. 49(1):36-40. Jan.1966. 44.8 J822
- 56974 VAN VLECK, L. D. Correlations among records of unrelated cows in the same herd and the same and different year-seasons. J. Dairy Sci. 49(1):61-64. Jan.1966. 44.8 J822
- 56975 VAN VLECK, L. D., and HART, C. L. Covariances among first-lactation milk records of cousins. J. Dairy Sci. 49(1):41-44. Jan.1966. 44.8 J822
- 56976 VERMONT. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Vermont Dairy Herd Improvement Associations, annual report, 1965. Burlington, 1966? 27 p. 43.9 V593
- 56977 WARWICK, E. J., and BOND, J. Influence of environment on growth and reproduction of cattle. U. S. Agr. Res. Serv. ARS 44-167,23 p., map. Ref. Jan.1966. A49.9 R31A
Effects of weather on beef cattle.
- 56978 WEISS, C. The fat and protein content of milk in the course of lactation and their mutual relation. (Ge) Schweiz. Landwirt. Forsch. 4(4):344-351. 1965. 17 Sch99
English summary.

- 56979 WILSON, G. F. Once daily milking. Massey Univ. Dairyfarming Annu. 1965:50-55. 44.9 M382
Includes discussion.
- 56980 WILSON, L. L., and others. Individual identification of beef cows and calves at the Southern Indiana Forage Farm. Ind. Agr. Exp. Sta. Res. Progr. Rep. 239,4 p. Apr.1966. 100 In2Res
K. Boller, K. MacDonald, K. Hawkins, and C. J. Kaiser, joint authors.
- 56981 ZUCCHI, G. The "beef factory" is revolutionizing the raising of calves. (It) Genio Rurale 28(5):383-391. May 1965. 281.8 R522
Housing, care, and management.

DOGS AND CATS

Breeds and Breeding

- 56982 FULLER, J. L., and CLARK, L. D. Genetic and treatment factors modifying the postisolation syndrome in dogs. J. Compar. Physiol. Psychol. 61(2):251-257. Ref. Apr.1966. 410 J822
- 56983 MICHAELSON, S. M., SCHEER, K., and GILT, S. The blood of the normal Beagle. Amer. Vet. Med. Ass. J. 148(5):532-534. Ref. Mar.1,1966. 41.8 Am3

Feeds and Feeding

- 56984 BLOOD, F. R., and others. Feeding of irradiated chicken, beef, and pineapple jam to dogs. Toxicol. Appl. Pharmacol. 8(2):241-246. Mar. 1966. 391.8 T662
M. S. Wright, W. J. Darby, and G. A. Elliott, joint authors.
Part of study to evaluate wholesomeness of irradiated foods.
- 56985 LEIBETSEDER, J. General principles in modern feeding of dog and cat. (Ge) Wien. Tierarztl. Monatsschr. 53(1):40-50. Ref. Jan. 1966. 41.8 T345
English summary.

Veterinary Medicine

- 56986 ADRIAN, M. J., ROY, W. E., and KARPOVICH, P. V. Normal gait of the dog: an electrogoniometric study. Amer. J. Vet. Res. 27(116):90-95. Jan.1966. 41.8 Am3A
- 56987 AMMANN, K. Diseases of the cornea in dog; comparative clinical studies. (Ge) Kleintier-Praxis 11(1):1-9. Feb.1966. 41.8 K67
- 56988 ANDERSSON, S. A., LANDGREN, S., and WOLSK, D. The thalamic relay and cortical projection of Group I muscle afferents from the forelimb of the cat. J. Physiol. 183(3): 576-591. Ref. Apr.1966. 447.8 J82
- 56989 AZABU VETERINARY COLLEGE. A case report on abnormality of impulse induction in the ventricle of a dog. (Ja) Jap. Vet. Med. Ass. J. 18(8):16-19. 1965. 41.9 J275
- 56990 BADOUX, D. M. A contribution to the study of the body axis in mammals with special reference to domesticated dog. Koninklijke Ned. Akad. Wetensch. Proc. Ser. C, Biol. Med. Sci. 68(5):374-390. Ref. 1965. 442.9 Am8
- 56991 BADURA, R., and others. The effect of controlled breathing on the content of oxygen and carbon dioxide in the blood. (Pol) Med. Weter. 21(9):525-528. Ref. Sept.1965. 41.8 M463
A. Modrakowski, B. Osinski, and J. Utzig, joint authors.
English summary.
Dogs studied.
- 56992 BAHGA, H. S., and LINK, R. P. Cardiovascular effects of two phenothiazines: fluphenazine and trifluoperazine. Amer. J. Vet. Res. 27(116): 81-84. Ref. Jan.1966. 41.8 Am3A
Dogs.

- 56993 BALOWS, A., AUSHERMAN, R. J., and HOPPER, J. M. Practical diagnosis and therapy of canine histoplasmosis and blastomycosis. Amer. Vet. Med. Ass. J. 148(6):678-684. Ref. Mar.15,1966. 41.8 Am3
- 56994 BANIC, J. Experimental studies on bone transplantation in dog. (Ge) Zentralbl. Veterinar-med. Reihe A, 12(8):777-806. (Cont.) Nov. 1965. 41.8 Z5
- 56995 BARDZHADZE, E. G. Results of study of dogs in the foci of visceral leishmaniasis. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 40(3):705-708. Ref. Dec.1965. 511 Ak146
Transmission of disease.
- 56996 BARR, M. L. The significance of the sex chromatin. Int. Rev. Cytol. 19:35-95. Ref.,p.88-95. 1966. 442.8 In82
Includes cats.
- 56997 BAUER-SIC, P. Cytodiagnosis as fruitful contribution to the clinical study of leucosis and other malignant tumors in the dog. (Ge) Zentralbl. Veterinar-med. Reihe A, 12(8):761-768. Ref. Nov.1965. 41.8 Z5
English summary.
- 56998 BLOUD, P. Etat actuel de l'aerosolotherapie en medecine veterinaire [The actual status of aerosol therapy in veterinary medicine]. Lyon. Ecole Nat. Vet. These 40,55 p. Ref. 1965. 41.2 L99
Especially used for broncho-pulmonary conditions of dogs and cats.
- 56999 BOGDASHEV, N. I. Data on helminthofauna of carnivorous animals in Dagestan. (Rus) Dagestansk. S.-Kh. In-t. Tr. 14(2):103-105. 1965. 106 D132
Dogs and cats.
Abstracted in Ref. Zh. Biol. 20(sect.K):2. Oct.1965. 241.7 R25
- 57000 BOHN, F. K. Cardiac insufficiency of dog as suspected diagnosis for the early therapy with cardiac glycosides. (Ge) Kleintier-Praxis 10(8):230-231. Dec.1965. 41.8 K67
- 57001 BOHN, F. K. Hemopericardium. (Ge) Kleintier-Praxis 10(7):204-208. Nov.1965. 41.8 K67
Of a dog.
- 57002 BONNET, V., and BRIOT, R. Electro-physiological study of a mechanism to facilitate getting responses of the visual field of cat. (Fr) Acad. Sci. Compt. Rend. 261(22):4857-4859. Nov.29,1965. 505 P21
- 57003 BORZ, M., and others. A hitherto unknown affection of the legs of young Pointers. (Hu) Magyar Allatorv. Lapja 21(3):120-122. Mar. 1966. 41.8 V644
V. Horn, M. Cupak, and S. Husak, joint authors.
English summary.
- 57004 BOSTEDT, H. Uterus motility in pyometra and endometritis of dogs and cats. (Ge) Kleintier-Praxis 11(1):9-14. Ref. Feb.1966. 41.8 K67
- 57005 BRASS, W. Diagnosis of some heart diseases of dog. (Ge) Kleintier-Praxis 10(8):217-221. Dec.1965. 41.8 K67
- 57006 BREMER, F. Comparative oscillographic study of the responses of visual areas I and II of cat. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):503-506. Jan.24,1966. 505 P21
- 57007 BRITOV, V. A. The effect of cortisone and ACTH upon the intensity of trichinosis in animals. (Rus) Med. Parazit. Parazitarn. Bolezni 34(4):390-391. July/Aug.1965. 448.8 M469
English summary.
Dogs and rabbits.
- 57008 BRODEY, R. S. Alimentary tract neoplasms in the cat: a clinicopathologic survey of 46 cases. Amer. J. Vet. Res. 27(116):74-80. Jan. 1966. 41.8 Am3A

- 57009 BRODEY, R. S. Canine urolithiasis. Calif. Vet. 20(1):15-16, 18-19. Jan./Feb. 1966. 41.8 C12
- 57010 BRODEY, R. S. Differentiating tonsillar lesions in the dog. Mod. Vet. Pract. 47(3):58-59. Mar. 1966. 41.8 N812
- 57011 BUCCI, T. J. Intradermal granuloma associated with collagen degeneration in three cats. Amer. Vet. Med. Ass. J. 148(7):794-800. Apr. 1, 1966. 41.8 Am3
- 57012 CASE, M. T., and SIMON, J. Oncocytomas in a cat and a dog. Vet. Med./Small Anim. Clin. 61(1):41-43. Jan. 1966. 41.8 M69
- 57013 CHAURAND, J. P. Paraneuroses et parapsychoses des carnivores domestiques perspectives therapeutiques [Paraneuroses and parapsychoses of domestic carnivores: perspectives on therapy]. Lyon. Ecole Nat. Vet. These 57,104 p. Ref. 1965. 41.2 L99
Especially treatment of the dog with various tranquilizers.
- 57014 COLGLAZIER, M. L., ENZIE, F. D., and BURTNER, R. H. The systemic action of methyridine against helminths, especially whipworms, in dogs. Helminthol. Soc. Wash. Proc. 33(1):40-41. Jan. 1966. 436.9 H36
- 57015 CONSTANTINE, D. G. Transmission experiments with bat rabies isolates: reaction of certain carnivora, opossum, and bats of intramuscular inoculations of rabies virus isolated from free-tailed bats. Amer. J. Vet. Res. 27(116):16-19. Jan. 1966. 41.8 Am3A
Includes dogs and cats.
- 57016 CONSTANTINE, D. G., and WOODALL, D. F. Transmission experiments with bat rabies isolates: reactions of certain carnivora, opossum, rodents, and bats to rabies virus of red bat origin when exposed by bat bite or by intramuscular inoculation. Amer. J. Vet. Res. 27(116):24-32. Ref. Jan. 1966. 41.8 Am3A
Includes dogs and cats.
- 57017 CONSTANTINE, D. G. Transmission experiments with bat rabies isolates: responses of certain carnivora to rabies virus isolated from animals infected by nonbite route. Amer. J. Vet. Res. 27(116):13-15. Jan. 1966. 41.8 Am3A
Dogs and cats.
- 57018 COUDERT, M. Contribution a l'etude clinique et radiologique des fractures vertebrales des carnivores domestiques [Contribution to the clinical and radiological study of vertebral fractures of domestic carnivores]. Lyon. Ecole Nat. Vet. These 10,158 p. Ref. 1965. 41.2 L99
Dogs and cats.
- 57019 CURTIS, H. J., LEITH, J., and TILLEY, J. Chromosome aberrations in liver cells of dogs of different ages. J. Gerontol. 21(2):268-270. Apr. 1966. 447.8 J824
- 57020 DEL FAVERO, J. E., and FARRELL, R. L. Experimental histoplasmosis in gnotobiotic dogs. Amer. J. Vet. Res. 27(116):60-66. Jan. 1966. 41.8 Am3A
- 57021 DIETE-SPIFF, K. Slow contraction of intrafusal muscle fibres of lumbrical muscle spindles of the dog. J. Physiol. 183(2):65P-66P. Mar. 1966. 447.8 J82
- 57022 DIETRICH, and KNOBLOCH, I. VON. Tanderil, G 27202, an antiphlogistic in dog practice. (Ge) Kleintier-Praxis 10(8):231-233. Ref. Dec. 1965. 41.8 K67
English summary.
- 57023 DRIEUX, H., VERETENNIKOFF, S., and CESAR, R. J. Observations on comparative radiology and pathology. IV. Differential radiologic diagnosis of Ewing's sarcoma and Parker-Johnson's sarcoma of the long bones. (Fr) Rec. Med. Vet. 142(1):37-45. Ref. Jan. 1966. 41.8 R24
English summary.
Study of man and dog.
- 57024 DUFFOUR, C. La vitesse de sedimentation sanguine dans les metropathies inflammatoires chroniques de la chienne [The blood sedimentation rate in chronic inflammatory uterine diseases of the bitch]. Lyon. Ecole Nat. Vet. These 33,55 p. Ref. 1965. 41.2 L99
- 57025 EIKMEIER, H. Lymphadenosis as cause of nictitating membrane prolapse and swallowing difficulties in dog. (Ge) Kleintier-Praxis 11(2):59. Mar. 1966. 41.8 K67
- 57026 ETTINGER, S. Therapeutic digitalization of the dog in congestive heart failure. Amer. Vet. Med. Ass. J. 148(5):525-531. Ref. Mar. 1, 1966. 41.8 Am3
Digitoxin and digoxin administration.
- 57027 EWING, S. A., and PHILIP, C. B. Ehrlichia [canis]-like rickettsiosis in dogs in Oklahoma and its relationship to Neorickettsia helminthoeca. Amer. J. Vet. Res. 27(116):67-69. Ref. Jan. 1966. 41.8 Am3A
- 57028 EWING, S. A. Recognition of a canine rickettsiosis in Oklahoma and its differentiation from babesiosis. Diss. Abs. 26(3):1598. Sept. 1965. 241.8 M58
- 57029 FELLNER, F., and KARSAI, F. The diagnosis on inheritable hip-joint dysplasia of the dogs in Hungary. (Hu) Magyar Allatorv. Lapja 21(3):116-119. Ref. Mar. 1966. 41.8 V644
English summary.
- 57030 FELLNER, F. Through the rectum prolapsing invagination of the cecum in cats. (Ge) Kleintier-Praxis 10(7):196-198. Nov. 1965. 41.8 K67
- 57031 FILIPOVIE, I. Methods and diagnostic value of phosphatase determination in dog. (Ge) Kleintier-Praxis 10(7):199-201. Nov. 1965. 41.8 K67
- 57032 FLETCHER, T. F. Studies on the canine spinal cord. Diss. Abs. 26(9):4955. Mar. 1966. 241.8 M58
- 57033 FOX, I. W., HOAG, W. G., and STROUT, J. Breed susceptibility, pathogenicity and epidemiology of endemic coliform enteritis in the dog. Lab. Anim. Care 15(3):194-200. June 1965. 410.9 P94
- 57034 FRAZIER, C. H., and NORTHWAY, R. B. Intramedullary immobilization of the lumbar spine of the dog. Amer. Vet. Med. Ass. J. 148(6):676-677. Mar. 15, 1966. 41.8 Am3
- 57035 FREUDIGER, U. Observations on a hereditary nephropathy in a Cocker Spaniel. (Ge) Kleintier-Praxis 10(7):189-192. Nov. 1965. 41.8 K67
- 57036 GARG, S. P. The effects of actinomycin D on the pathologic changes and production of infectious canine hepatitis virus in cultured dog kidney cells. Diss. Abs. 26(8):4145. Feb. 1966. 241.8 M58
- 57037 GLEN, J. B. Salivary cysts in the dog: identification of sub-lingual duct defects by sialography. Vet. Rec. 78(14):488-492. Apr. 2, 1966. 41.8 V641
- 57038 GONZALES, N. Contribution a l'etude des anti-epileptiques en medecine veterinaire; essais avec l'Elisal (N.D.) [Contribution to the study of anti-epileptics in veterinary medicine; trials with Elisal (N.D.)]. Lyon. Ecole Nat. Vet. These 29,46 p. Ref. 1965. 41.2 L99
Dogs.
- 57039 GORHAM, J. R., and others. Studies on cell culture adapted feline panleukopenia virus—virus neutralization and antigenic extinction. Vet. Med./Small Anim. Clin. 61(1):35-40. Ref. Jan. 1966. 41.8 M69
G. R. Hartsough, N. Sato, and S. Lust, joint authors.
- 57040 GUILHON, J., and GAALON, A. DE. Blood eosinophilia and experimental infestation of dog by Angiostrongylus vasorum (Baillet, 1866) and by A. cantonensis (Chen, 1935). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):894-896. Feb. 21, 1966. 505 P21
Worms of blood vessels and lungs.

- 57041 GUTOVSKII, V. I. Effectiveness of dog dehelminthization. (Rus) Veterinariya 9:44-45. Sept.1965. 41.8 V6426
- 57042 HABERMANN, R. T., and MENGES, R. W. Warthin-Finkeldey giant cells in animals. Amer. Vet. Med. Ass. J. 148(6):672-675. Ref. Mar.15,1966. 41.8 Am3
Includes dog.
- 57043 HABERMEHL, K. H. Morphology and function of the cardiac blood vessels. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(2):111-138. Ref. Feb.1966. 41.8 Z5
English summary.
Review of literature.
Dogs.
- 57044 HALLSTROM, M. About tranquilizers. (Sw) Svensk Veterinartidn. 17(13/14):432. July 1965. 41.9 Sv23
For dogs.
- 57045 HASHIMOTO, Y., MORIKAWA, Y., and OKANO, K. A case report of dipylus triplus accompanied by duplication of large intestine and urinary bladder in a young dog. (Ja) Jap. Vet. Med. Ass. J. 19(1):24-28. 1966. 41.9 J275
English summary.
- 57046 HINTERMANN, J. The "chimney sweep." (Fr) Schweiz. Arch. Tierheilk. 108(2):78-82. Feb. 1966. 41.8 Sch9
English summary.
Hordeum awns causing abscesses and fistulas in dog.
- 57047 HOORENS, J., THOONEN, J., and CLOET, G. Intranuclear crystals in liver and kidney cells of dogs. (Fl) Vlaams Diergeneesk. Tijdschr. 34(7/8):265-270. July/Aug.1965. 41.8 V84
English summary.
- 57048 HORVATH, Z., and PAPP, L. On the clinical symptoms of Aujeszky's disease of cats. (Hu) Magyar Allatorv. Lapja 21(1):13-16. Ref. Jan.1966. 41.8 V644
English summary.
- 57049 HORVATH, Z., FELLNER, F., and PAPP, L. Splenoportograms of liver-cirrhosis-infected cats and dogs. (Ge) Kleintier-Praxis 11(1):14-18. Feb.1966. 41.8 K67
- 57050 HORVATH, Z., FELLNER, F., and PAPP, L. Splenoportography. (Hu) Magyar Allatorv. Lapja 20(11):498-500. Nov.1965. 41.8 V644
English summary.
Dogs.
- 57051 HUBNER, L. The healing of operationally produced corneal incisions with corticosteroids application to dogs. (Ge) Wien. Tierarztl. Monatsschr. 53(2):75-89. Ref. Feb. 1966. 41.8 T345
English summary.
- 57052 HUR, D. E. Methohexital sodium for anesthesia of cats. Mod. Vet. Pract. 47(4):73-74. Apr.1966. 41.8 N812
- 57053 ICHIHARA, T., KITAHARA, Y., and UCHINUNO, Y. Studies on tissue culture of infectious canine hepatitis virus. I. Attenuation of isolated virus and epizootiological survey. (Ja) Jap. Vet. Med. Ass. J. 18(9):20-23. Ref. 1965. 41.9 J275
English summary.
- 57054 ISHII, T., and others. A Toxoplasma antibody survey by dye test on cats and dogs in the Yokohama area and relations between its results and clinical infection. (Ja) Jap. Vet. Med. Ass. J. 19(1):3-7,9. Ref. 1966. 41.9 J275
A. Kobayashi, M. Kumata, Y. Komiya, Y. Kosuge, S. Toriyama, Y. Miyazaki, T. Noda, K. Kojima, E. Ishikawa, E. Tanaka, H. Murata, H. Masuda, S. Hirose, K. Hirose, H. Suzuki, K. Mizutani, S. Kawai, Y. Hayasaki, and I. Fujii, joint authors.
English summary.
- 57055 JACKSON, R. F., SIMPSON, C. F., and WALLACE, L. J. Spontaneous duodenal ulcers in a dog. Amer. Vet. Med. Ass. J. 148(8):892-893. Apr.15,1966. 41.8 Am3
- 57056 JACKSON, W. F. Some clinical impressions of canine cardiology. Vet. Med./Small Anim. Clin. 61(2):125-128. Feb.1966. 41.8 M69
Diseases.
- 57057 JAKSCH, W. Cardiological problems in small animal practice. (Ge) Kleintier-Praxis 11(1):19-23. Ref. Feb.1966. 41.8 K67
Dogs and cats.
- 57058 JANSEN, J. The harmfulness of dog and cat ascarids for human health. (Ge) Kleintier-Praxis 10(8):227-229. Ref. Dec.1965. 41.8 K67
- 57059 JOHANNSEN, A. Botulism in the dog. (Sw) Nord. Veterinärmed. 17(12):680-684. Ref. Dec.1965. 41.8 N813
English summary.
- 57060 JOHNSON, K. H. Experimental feline panleukopenia. Diss. Abs. 26(9):5379. Mar.1966. 241.8 M58
- 57061 JORDAN, H. E., and MAPLES, W. P. Third record of Phagicola longa Ransom, 1920 Price, 1932 (Trematoda, Heterophyidae) in dogs from the United States. J. Parasitol. 52(2):362. Apr. 1966. 448.8 J824
Intestinal fluke.
- 57062 KERPSACK, R. W., and KERPSACK, W. R. The orbital gland and tear-staining in the dog. Vet. Med./Small Anim. Clin. 61(2):121-124. Feb. 1966. 41.8 M69
- 57063 KIMBERLING, C. V., LUCHSINGER, D. W., and ANDERSON, R. K. Three cases of canine brucellosis. Amer. Vet. Med. Ass. J. 148(8):900-901. Apr.15,1966. 41.8 Am3
- 57064 KLEMM, W. R. Evaluation of effectiveness of doxapram and various analeptic combinations in dogs. Amer. Vet. Med. Ass. J. 148(8):894-899. Ref. Apr.15,1966. 41.8 Am3
- 57065 KOMAR, GY., and MESZAROS, J. Congenital ataxia cerebellaris in cat. (Hu) Magyar Allatorv. Lapja 21(1):38-41. Ref. Jan.1966. 41.8 V644
English summary.
- 57066 KRAL, F. Results of present research on the causes and treatment of acanthosis nigricans. (Ge) Wien. Tierarztl. Monatsschr. 53(4):230-234. Apr.1966. 41.8 T345
English summary.
Includes dogs.
- 57067 LAVIGNETTE, A. M. Keratoconjunctivitis sicca in a dog treated by transposition of the parotid salivary duct. Amer. Vet. Med. Ass. J. 148(7):778-786. Ref. Apr.1,1966. 41.8 Am3
- 57068 LJUNGGREN, G., CAWLEY, A. J., and ARCHIBALD, J. The elbow dysplasias in the dog. Amer. Vet. Med. Ass. J. 148(8):887-891. Apr.15,1966. 41.8 Am3
- 57069 LOSITO, R. A study of the transport of vitamin K₃-C¹⁴ in the blood and bile of the dog. Diss. Abs. 26(9):5514. Mar.1966. 241.8 M58
- 57070 MALHERBE, W. D. Clinico-pathological studies of Babesia canis infection in dogs. IV. The effect on bilirubin metabolism. S. Afr. Vet. Med. Ass. J. 36(4):569-573. Ref. Dec.1965. 41.8 So8
- 57071 MANTOVANI, A., and JACKSON, R. F. Transplacental transmission of microfilariae of Dirofilaria immitis in the dog. J. Parasitol. 52(1):116. Feb.1966. 448.8 J824
- 57072 MARCARIAN, H. Q. The angioarchitecture of the canine sympathetic chain. Diss. Abs. 26(8):4167-4168. Feb.1966. 241.8 M58

- 57073 MARKIEWICZ, K. Parallel investigations of the blood and cerebro-spinal fluid in the course of canine distemper. (Pol) *Med. Weter.* 21(9): 528-532. Ref. Sept.1965. 41.8 M463
English summary.
- 57074 MARQUARDT, W. C., and FABIAN, W. E. The distribution in Illinois of filariids of dogs. *J. Parasitol.* 52(2):318-322, map. Ref. Apr.1966. 448.8 J824
Dirofilaria immitis and Dipetalonema reconditum.
- 57075 MCCLAUGHRY, L. E. Uterine prolapse in a bitch. *Mod. Vet. Pract.* 47(3):86-87. Mar. 1966. 41.8 N812
- 57076 MEIER, K. U. Determination of total proteins, albumins, globulins as well as albumin-globulin quotients (AGQ) with the improved biuret method of Ferro and Ham. (Ge) *Kleintier-Praxis* 10(7):208,210. Nov.1965. 41.8 K67
Dogs.
- 57077 METZLER, F., ELEFThERIOU, B. E., and FOX, M. Free estrogens in dog plasma during the estrous cycle and pregnancy. *Soc. Exp. Biol. Med. Proc.* 121(2):374-377. Ref. Feb. 1966. 442.9 S01
- 57078 MEWBORN, W., and JULIUS, L. Renal secondary hyperparathyroidism in the puppy. *Speculum* 19(2):20-22. Winter 1966. 41.8 Sp3
- 57079 MILLER, T. A. Anthelmintic activity of the-nium p-chlorobenzene sulfonate against various stages of *Ancylostoma caninum* in young dogs. *Amer. J. Vet. Res.* 27(116):54-59. Ref. Jan. 1966. 41.8 Am3A
- 57080 MILLER, T. A. The effect of a synthetic corticosteroid upon the susceptibility of dogs to infection with the human hookworm, *Necator americanus*. *J. Parasitol.* 52(2):285-290. Apr. 1966. 448.8 J824
- 57081 MILLS, R. R., SOGANDARES-BERNAL, F., and SEED, J. R. Studies on American paragonimiasis. III. Phosphomonoesterase activity. *J. Parasitol.* 52(2):363-366. Apr.1966. 448.8 J824
In cats.
- 57082 MODERN VETERINARY PRACTICE. Our panel reports—question: What significance do you attach to the presence of abnormal patellar "looseness" in young dogs? What is your advice concerning treatment and breeding of affected dogs? What is your prognosis for untreated dogs? *Mod. Vet. Pract.* 47(4):54,56, 58. Apr.1966. 41.8 N812
- 57083 MULLER, L. F., and SAAR, C. An instruction for X-ray diagnosis of hip dysplasia. (Ge) *Kleintier-Praxis* 11(2):33-42. Ref. Mar.1966. 41.8 K67
Dogs.
- 57084 MULLER, W. M. Untersuchung der Feinstruktur von Hundehaaren zur Möglichkeit einer Rasseindifferenzierung [Study of the fine structure of dog hair for possibility to race differentiation]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 15,44 p. Ref. 1965. 41.2 M9222
- 57085 NIKOLITSCH, M. Preventive anti-rabies immunization of dogs. (Ge) *Kleintier-Praxis* 10(7):193-196. Nov.1965. 41.8 K67
- 57086 NODA, S., and others. Experiments on removal of parasites from large intestine by intravenous injection with phthalofyne. (Ja) *Jap. Vet. Med. Ass. J.* 18(12):698-703,706. 1965. 41.9 J275
M. Horie, M. Nomura, D. Onishi, and S. Yamamori, joint authors.
English summary.
Case of a dog.
- 57087 NODA, S., HONGO, K., and KUOKAWA, K. Prevention of canine filariasis by long-term continual administration of diethylcarbama-zine preparation. (Ja) *Jap. Vet. Med. Ass. J.* 18(8):13-15. Ref. 1965. 41.9 J275
- 57088 OETTEL, M., and CHRISTOPH, H. J. The course of "biological leucocyte curve" in febris contagiosa canum and hepatitis contagiosa canum. (Ge) *Schweiz. Arch. Tierheilk.* 108(3):148-156. Ref. Mar.1966. 41.8 Sch9
English summary.
Diagnostic value.
- 57089 OLIVER, J. E. Brain tumor in a dog. *Vet. Med./Small Anim. Clin.* 61(1):29-34. Jan. 1966. 41.8 M69
- 57090 OPITZ, M. Essential hyperlipidaemia in a dog. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(2): 139-148. Ref. Mar.15,1966. 41.8 Z5
English summary.
- 57091 PACHECO, G. Progressive changes in certain serological responses to *Dirofilaria immitis* infection in the dog. *J. Parasitol.* 52(2):311-317. Ref. Apr.1966. 448.8 J824
- 57092 PALMINTERI, A. The surgical management of polyps of the rectum and colon of the dog. *Amer. Vet. Med. Ass. J.* 148(7):771-777. Ref. Apr.1,1966. 41.8 Am3
- 57093 PEDERSEN, K., and LARSEN, G. Replantation of front tooth in dog after exarticulation. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(4):150-152. Feb.15,1966. 41.9 D23
- 57094 PINCEMIN, Y. Morphologie et esthetique canine [Canine morphology and esthetics]. Paris, Vigot, 1965. 134 p. SF427.P5
- 57095 PITTON, A. Essais d'anesthesie generale du chien par voie sous-occipitale [Trials in general anesthesia of the dog through the suboccipital region]. Lyon. Ecole Nat. Vet. These 39, 70 p. Ref. 1965. 41.2 L99
- 57096 POBISCH, R., and EISENMENGER, E. Dilatation of the esophagus caused by the right aorta and constriction of the lig. arteriosum in dog. (Ge) *Wien. Tierarztl. Monatsschr.* 53(3):147-160. Ref. Mar.1966. 41.8 T345
English summary.
Includes surgical correction.
- 57097 PRICE, C. H. G., and SUMNER-SMITH, G. Malignant bone aneurysm in a dog: an unusual example of osteosarcoma. *Brit. Vet. J.* 122(2): 51-54. Feb.1966. 41.8 V643
- 57098 PRICE, E. K., and MULLEN, P. A. A case of haemopericardium in the dog. *Vet. Rec.* 78(14):480-485. Ref. Apr.2,1966. 41.8 V641
- 57099 PRYDIE, J. Persistence of antibodies following vaccination against canine distemper and the effect of re-vaccination. *Vet. Rec.* 78(14): 486-488. Ref. Apr.2,1966. 41.8 V641
- 57100 REGOLI, D., and VANE, J. R. The continuous estimation of angiotensin formed in the circulation of the dog. *J. Physiol.* 183(3):513-531. Ref. Apr.1966. 447.8 J82
- 57101 RIEDEL, W. Generalized calcification of the arteries in a cat. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 78(24):472-475. Ref. Dec.15,1965. 41.8 B45
English summary.
- 57102 RIJNBERK, A. A nephrotic syndrome in the dog, treated with prednisone. *Zentralbl. Veterinarmed. Reihe A*, 13(2):102-110. Ref. Feb. 1966. 41.8 Z5
- 57103 ROCHE, M., and PATRZEK, D. The female to male ratio (FMR) in hookworm. *J. Parasitol.* 52(1):117-121. Ref. Feb.1966. 448.8 J824
Ancylostoma caninum in dogs.
- 57104 ROHRBACH, J. A. An improved canine auri-scope. *Vet. Rec.* 78(14):493. Apr.2,1966. 41.8 V641
- 57105 SANDA, A. Necrosis of the toes in Short-haired Pointer dogs. (Ge) *Kleintier-Praxis* 10(7): 192-193. Nov.1965. 41.8 K67
- 57106 SCHALM, O. W. The leukemia complex in the cat. 2. *Calif. Vet.* 20(1):23,25-27. Jan./Feb. 1966. 41.8 C12

- 57107 SCHLOSSAREK, U. Revitalizing of dog and cat. (Ge) *Kleintier-Praxis* 11(1):24-26. Feb. 1966. 41.8 K67
- 57108 SEDGWICK, C. Anesthesia in exotic cats. *Mod. Vet. Pract.* 47(3):86. Mar. 1966. 41.8 N812
- 57109 SEED, J. R., SOGANDARES-BERNAL, F., and MILLS, R. R. Studies on American Paragonimiasis. II. Serological observations of infected cats. *J. Parasitol.* 52(2):358-362. Apr. 1966. 448.8 J824
- 57110 SERRANO, C. V. Potassium deficiency in the pregnant dog. *Diss. Abs.* 26(9):5018-5019. Mar. 1966. 241.8 M58
- 57111 SHEEHAN, R. M. Effects of tracheal pressure on the circulation in excised dog lungs with shunts. *J. Appl. Physiol.* 21(2):347-357. Ref. Mar. 1966. 447.8 J825
- 57112 SHINOHARA, M., and others. Dosage of anti-canine distemper serum and similar biological product. (Ja) *Jap. Vet. Med. Ass. J.* 18(11):14-17.8. Ref. 1965. 41.9 J275
T. Hisayama, N. Fujie, and N. Yamada, joint authors.
English summary.
- 57113 SIMONOT, R. C. Contribution a l'etude des zoonoses; sur une enzootie de tuberculose cutanee chez le chien et le chat [Contribution to the study of zoonoses; on an enzootic of cutaneous tuberculosis in the dog and cat]. *Lyon. Ecole Nat. Vet.* These 61,59 p. Ref. 1965. 41.2 L99
- 57114 SIMPSON, B. H. Unless early precautions are taken, distemper can be a threat to all dogs. *New Zeal. J. Agr.* 112(3):13. Mar. 1966. 23 N48J
- 57115 SNOW, L. M., BURNS, M. J., and CLARK, C. H. Serum protein electrophoresis and serum transaminase activity of dogs with canine distemper. *Amer. J. Vet. Res.* 27(116):70-73. Ref. Jan. 1966. 41.8 Am3A
- 57116 STULPNAGEL, M. Castration of female cats. (Ge) *Prakt. Tierarzt* 47(2):51-52. Feb. 1, 1966. 41.8 P882
- 57117 TASSELLI, E. More on the subject of prophylaxis of hydatidosis. (It) *Nuovo Prog. Vet.* 20(24):1148,1150,1152,1154. Dec. 31, 1965. 41.8 P942
Chiefly dogs in Italy.
- 57118 TURNER, W. T., and LARKIN, P. J. Treatment of alimentary infections of the dog and cat with ampicillin. *Brit. Vet. J.* 122(2):74-80. Feb. 1966. 41.8 V643
- 57119 ULLRICH, W. On the globulin content of the present commercial antitoxins for dogs. (Ge) *Kleintier-Praxis* 11(2):42-45. Mar. 1966. 41.8 K67
- 57120 UTZIG, J., and LACHOWICZ, S. Comparative clinical, radiological and biochemical investigations in rickets. (Pol) *Med. Weter.* 21(9):535-537. Ref. Sept. 1965. 41.8 M463
English summary.
Dogs.
- 57121 VAN RIPER, D. C. Fluid and solute shifts across the peritoneal membrane. *Amer. J. Vet. Res.* 27(116):47-53. Ref. Jan. 1966. 41.8 Am3A
Dogs.
- 57122 VUKELIC, E. A technique for experimental resection of the liver in dogs. *Zentralbl. Veterinarmed. Reihe A*, 13(2):97-101. Ref. Feb. 1966. 41.8 Z5
- 57123 WARREN, J. M., and BECK, C. H. Visual probability learning by cats. *J. Compar. Physiol. Psychol.* 61(2):316-318. Apr. 1966. 410 J822
- 57124 WHISLER, K. E. The actions of hypoglycemia and of convulsants on dog brain lipids. *Diss. Abs.* 26(9):5520-5521. Mar. 1966. 241.8 M58
- 57125 WHUCK, E. VON. Klinisch-mikrobiologische Untersuchungen über die Otitis externa des Hundes [Clinical-microbiological studies on otitis externa of dog]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 16,43 p. 1965. 41.2 H198
Bibliography, p.33-43.
- 57126 WOHLER, W. The effectiveness of Hempt's rabies vaccine in dogs. (Ge) *Berliner Munchener Tierarztl. Wochens.* 78(24):470-472. Ref. Dec. 15, 1965. 41.8 B45
English summary.
- 57127 YAMAMOTO, T. Some physical and growth characteristics of a canine adenovirus isolated from dogs with laryngotracheitis. *Can. J. Microbiol.* 12(2):303-311. Ref. Apr. 1966. 448.8 C162
- 57128 ZAHM, H. Operative treatment of crucial ligament injuries in dogs with synthetic material. (Ge) *Berliner Munchener Tierarztl. Wochens.* 79(1):1-4. Ref. Jan. 1, 1966. 41.8 B45
English summary.

Miscellaneous

- 57129 BRUMMER, H. Observations on escaping behavior of domestic cats. (Ge) *Kleintier-Praxis* 10(7):201-203. Nov. 1965. 41.8 K67
- 57130 DAVIS, R. Cowdogs. *West. Horseman* 31(4):40,96-99. Apr. 1966. 42.8 W522
- 57131 DELUCA, A. E., KURTZ, P. S., and SHAFER, J. N. The effect of sensory deprivation on social dominance in the domestic cat. *W. Va. Acad. Sci. Proc.* 37:267-270. Ref. 1965, pub. 1966. 500 W52
- 57132 FULLER, J. L., and CLARK, L. D. Effects of rearing with specific stimuli upon postisolation behavior in dogs. *J. Compar. Physiol. Psychol.* 61(2):258-263. Apr. 1966. 410 J822
- 57133 LESSAC, M. S. The effects of early isolation and restriction on the later behavior of Beagle puppies. *Diss. Abs.* 26(9):5560. Mar. 1966. 241.8 M58
- 57134 LUDWIG, J. Observations on the play of Boxers. (Ge) *Z. Tierpsychol.* 22(7):813-838. Ref. Dec. 1965. 410 Z35
English summary.

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 57135 EICH, B. Experience exchange of socialist fur bearing animal breeding. VI. (Ge) *Bruhl* 7(1):4-8. Jan./Feb. 1966. 412.628 B83
- 57136 HARMAN, R. D. Fox farming. *Nat. Fur News* 38(3):11,24. Apr. 1966. 412.628 R59
- 57137 KEELER, C., and FROMM, E. Genes, drugs and behavior in foxes. *J. Hered.* 56(6):288-291. Nov./Dec. 1965. 442.8 Am3
Tests with Tofranil and Mellaril.
- 57138 LOFTIS, R. An overall look at chinchilla mutations. *Empress Chinchilla* 22(4):22-23. Apr. 1966. 412.628 N21
- 57139 TRAVIS, H. F., and BENNETT, L. W. Effects of artificially increased length of day upon the reproductive performance of mink. *Fur Trade J. Can.* 43(5):2-3. Jan. 1966. 410 F965
- 57140 TUR, S. A. The correlation of priming and breeding. *Empress Chinchilla* 22(3):20-24. Mar. 1966. 412.628 N21

Feeds and Feeding

- 57141 JORGENSEN, G. Experiments with the addition of acetic acid and phosphoric acid to mink kit feed. (Da) *Dansk Pelsdyravl* 29(1):25-27. Jan. 20, 1966. 412.628 D23

- 57142 OLDFIELD, J. E., STOUT, F. M., and ADAIR, J. Formulation of cereals for mink rations; "the concept of ration simplification is a valid one and one which may be furthered by the feed industry." *Feedstuffs* 38(15):26,28. Apr.16, 1966. 286.81 F322

Veterinary Medicine

- 57143 ACKERMANN, O. Better possibilities of dis-temper immunization of mink. (Ge) *Deut. Tierarztl. Wochenschr.* 73(1):11-14. Jan.1,1966. 41.8 D482
English summary.
- 57144 CONTANTINE, D. G. Transmission experiments with bat rabies isolates: bite transmission of rabies to foxes and coyote by free-tailed bats. *Amer. J. Vet. Res.* 27(116):20-23. Jan.1966. 41.8 Am3A
- 57145 FERNANDO, S. D. A. An investigation on the histology and histochemistry of the skin lining the external acoustic meatus of the ferret and fox. *Ceylon Vet. J.* 12(3):30-33. Sept.1964. 41.8 C33
Considered as laboratory animals.
- 57146 GALTON, M., BENIRSCHKE, K., and OHNO, S. Sex chromosomes of the chinchilla: allocy-
clic and duplication sequence in somatic cells and behavior in meiosis. *Chromosoma* 16(6):668-680. Ref. 1965. 442.8 C46
- 57147 GORHAM, J. R., HARTSOUGH, G. R., and BURGER, D. Preliminary use of live attenuated feline panleukopenia virus to protect mink against virus enteritis. *Nat. Fur News* 38(3):13,19. Apr.1966. 412.628 R59
- 57148 GRAFNER, G., GRAUBMANN, H. D., and RADKE, W. Appearance of *Metorchis bilis* Braun (Trematoda) in German farm minks (*Lutreola vison* Schreb.). (Ge) *Monatsh. Veterinarmed.* 20(21):889-894. Ref. Nov.1,1965. 41.8 M742
- 57149 KNOX-SEITH, B. The health conditions among fur animals in the past year. (Da) *Dansk Pelsdyravl* 29(1):17-19. Jan.20,1966. 412.628 D23
Mink diseases.
- 57150 MANAGAROV, D. P. Abortion from toxicosis in pregnant fur bearing animals. (Rus) *Veterinariya* 10:71-72. Oct.1965. 41.8 V6426
- 57151 NIZOVITSEV, V. A. Healing effect of grisein in feed. (Rus) *Krolikovodstvo Zverovodstvo* 1:33. Jan./Feb.1966. 40.28 K91
Treatment of gastroenteritis in minks.
- 57152 NORSKE VETERINARFORENING. Vaccination of mink and veterinarian's fees. (No) *Norsk Pelsdyrbl.* 40(5):158-160. Mar.5,1966. 412.628 N812
Comments by J. R. Lindstrom.
- 57153 PARKER, R. L., and WILSNACK, R. E. Pathogenesis of skunk rabies virus: quantitation in skunks and foxes. *Amer. J. Vet. Res.* 27(116):33-38. Ref. Jan.1966. 41.8 Am3A
- 57154 PORTER, D. D., and DIXON, F. J. Electrophoretic and immunoelectrophoretic characterization of normal mink serum proteins. *Amer. J. Vet. Res.* 27(116):335-338. Ref. Jan.1966. 41.8 Am3A
- 57155 SENZ, W. Body volume development, fur quality and slaughter value of coypus. IV. (Ge) *Bruhl* 7(2):6-8. Mar./Apr.1966. 412.628 B83
- 57156 SENZ, W. The development of body volume of growing coypus. 3. (Ge) *Deut. Pelztierzuchter* 40(1):8-9. Jan.1,1966. 412.628 D48
- 57157 SENZ, W. Size growth, fur quality and slaughter value of coypus. IV. (Ge) *Bruhl* 7(1):9-13. Jan./Feb.1966. 412.628 B83

Miscellaneous

- 57158 DIETZ, G. Pelting and stretching chinchilla fur. (Ge) *Deut. Pelztierzuchter* 40(1):10-12. Jan.1,1966. 412.628 D48

- 57159 SOMMERSCHIED, F. 3000 mink farms in Finland. (Sw) *Vara Palsdjur* 37(4):164,166,169. Apr.15,1966. 410 V42

HORSES AND MULES

Breeds and Breeding

- 57160 EASTWOOD, D. Return of the Tarpan. *West. Horseman* 31(3):142-143. Mar.1966. 42.8 W522
- 57161 THE GENERAL stud book. First supplement to volume XXXV; return of mares for 1965 with index and registered stallion fees for 1964. London, 1965. 188 p. 42.9 G28
- 57162 GUSTAFSON, B. The Palomino. *West. Horseman* 31(3):72,129-130. Mar.1966. 42.8 W522
- 57163 HANDLER, H. The transformation of Conversano Benvenuta stallions: the psychological side of training of horses in the classical school. (Ge) *Wien. Tierarztl. Monatsschr.* 53(4):293-297. Apr.1966. 41.8 T345
- 57164 HENDRIKSE, J. The sperm of normally fecundating stallions. (Du) *Tijdschr. Diergeneesk.* 91(5):300-313. Mar.1,1966. 41.8 T431
English summary.
- 57165 JOCKEY CLUB. The American stud book. Volume XXIII, Parts 1-2. New York, 1965. 2 v. 42.9 Am31
- 57166 JOCKEY CLUB. Third supplement to Volume XXIII of the American stud book; foals of 1964. New York, 1966. 830 p. 42.9 Am31
- 57167 LJUNGGREN, B. The Gotland Pony at Lojsta heath. (Sw) *Svensk Valltidskr.* 4(4):122-125. 1965. 60.8 Sv22
- 57168 MAGAS, L. In the interest of horse breeding. (Hu) *Magyar Mezogazdasag* 21(9):18-19. Mar.2,1966. 19 M27
- 57169 MILLER, R. M. Breeding the grade mare. *West. Horseman* 31(3):73. Mar.1966. 42.8 W522
- 57170 MIYAKE, M., and others. Two cases of abnormality of stallion semen caused by bacteria and two cases of pyometra in mares. (Ja) *Jap. Vet. Med. Ass. J.* 18(11):20-22. 1965. 41.9 J275
H. Ono, H. Shimizu, M. Hata, G. Inoue, and K. Habu, joint authors.
- 57171 NECHIPORENKO, G. Shortcomings in the development of horse breeding. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 100:1-4. Oct.26, 1965. (JPRS 32,541; TT 65-33020; CSO 1840-N) 173 J663Tso
Translation from *Sel'skaya Zhizn*, Aug.20, 1965:3.
- 57172 PODLIACHOUK, L., SALERNO, A., and LABERT, D. Blood groups of Salernitana horses. (Fr) *Inst. Pasteur. Ann.* 110(3,sup.):208-211. Mar.1966. 448.3 An75
English summary.
- 57173 PODLIACHOUK, L., and WADOWSKI, S. Blood groups of the Masurian horses (Poland). (Fr) *Inst. Pasteur. Ann.* 110(3,sup.):212-217. Mar.1966. 448.3 An75
English summary.
- 57174 ROMIC, S. Posavski konj. The Posavina horse. *Poljoprivredna Znanstvena Smotra* 20(1),17 p. Ref. 1965. 21.5 Z13
English summary.
- 57175 ROTHENSTEINER, E. Stud stations in the warm-blood breeding regions of Burgenland. (Ge) *Wien. Tierarztl. Monatsschr.* 53(4):246-266, map. Apr.1966. 41.8 T345
English summary.
- 57176 STELZER, F. Horse breeding in Austria. (Ge) *Wien. Tierarztl. Monatsschr.* 53(4):235-245. Apr.1966. 41.8 T345
English summary.

- 57177 STUD book francais; registre des chevaux de Pur-Sang Anglais nes ou importes en France—annexe au stud book francais (liste A) [French stud book; register of Thoroughbred horses born or imported in France—annex to the French stud book (list A)]. Volume 33, 1962-1964. Paris, 1965. 1231 p. 42.9 F843
- 57178 VAN VALEN, L. Selection in natural populations. III. Measurement and estimation. *Evolution* 19(4):514-528. Ref. Dec. 1965. 443.8 Ev62
Theory applied to data on the extinct horse *Merychippus primus*.
- Feeds and Feeding
- 57179 ENSMINGER, M. E. Horses! Horses! Horses! *Cattleman* 52(11):30. Apr. 1966. 49 C29
Feeding.
- 57180 HEWITT, A. C. T. Feeding ponies and hacks. *J. Agr. [Melbourne]* 64(2):59-62. Feb. 1966. 23 V66J
- 57181 LANE, A. Horse feeding. *Ariz. Univ. Ext. Circ.* 288, 16 p. Aug. 1965. 275.29 Ar42
- 57182 WHIPPS, R. Equine nutrition research. *Speculum* 19(2):5, 10. Winter 1966. 41.8 Sp3
At Ohio State University College of Veterinary Medicine.
- Veterinary Medicine
- 57183 ALMEEV, KH. S. Leukosis of horses. (Ge) *Monatsh. Veterinarmed.* 20(24):996-999. Dec. 15, 1965. 41.8 M742
- 57184 ARBEITER, K., LAMATSCH, O., and SWOBODA, R. Operative removal of ovarian cysts per vaginam in a Trotter mare. (Ge) *Wien. Tierarztl. Monatsschr.* 52(12):1044-1053. Ref. Dec. 1965. 41.8 T345
English summary.
- 57185 BAYER, A. Potentialities of electrocardiography on moving animals. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(3):49-52. Feb. 1, 1966. 41.8 B45
English summary.
Horses and dogs.
- 57186 BENDIXEN, H. C. Virus diseases in horses. (Da) *Nord. Veterinarmed.* 18(2):115-130. Ref. Feb. 1966. 41.8 N813
English summary.
- 57187 BISHOP, S. P., COLE, C. R., and SMETZER, D. L. Functional and morphologic pathology of equine aortic insufficiency. *Pathol. Vet.* 3(2):137-158. Ref. 1966. 41.8 P27
- 57188 BOESSNECK, J., and MEYER-LEMPPEAU, U. Pathological-anatomical changes in the axial skeleton and in the coffin bones of some horses during the time of the Roman emperors. (Ge) *Tierarztl. Umsch.* 21(3):132-135. Mar. 1, 1966. 41.8 T445
- 57189 BOHM, H. O. Summary review: Influenza of horse. (Ge) *Deut. Tierarztl. Wochenschr.* 72(21):512-514. Nov. 1, 1965. 41.8 D482
- 57190 COOK, W. R. Observations on the aetiology of epistaxis and cranial nerve paralysis in the horse. *Vet. Rec.* 78(12):396-406. Ref. Mar. 19, 1966. 41.8 V641
Disease given the name "guttural pouch diphtheria".
- 57191 EIS, G. Two horse medicines from Lukas Lamprechtshauer. (Ge) *Deut. Tierarztl. Wochenschr.* 72(24):577-578. Dec. 15, 1965. 41.8 D482
History.
- 57192 ENIGK, K. Treatment and prevention of parasite infestations of horse. (Ge) *Deut. Tierarztl. Wochenschr.* 72(21):493-496. Nov. 1, 1965. 41.8 D482
Endo- and ectoparasites.
- 57193 FRANK, W. Hormonal pregnancy diagnosis of the mare. (Ge) *Tierarztl. Umsch.* 21(4):177-178, 181-182. Ref. Apr. 1, 1966. 41.8 T445
Gonadotropin blood serum determination.
- 57194 FRYC, J. Some problems of laparotomy and the treatment of obstruction of the intestines in the horse. (Pol) *Med. Weter.* 21(12):736-740. Ref. Dec. 1965. 41.8 M463
English summary.
- 57195 GERBER, H. Determination of serum enzyme activity in veterinary medicine. III. LDH-[lactic dehydrogenase] iso-enzyme in some organs and in serum of diseased and healthy horses. (Ge) *Schweiz. Arch. Tierheilk.* 108(1):33-46. Ref. Jan. 1966. 41.8 Sch9
English summary.
- 57196 GIBBONS, W. J. Common problems in equine practice. *Mod. Vet. Pract.* 47(4):45, 48-50. Apr. 1966. 41.8 N812
Wounds and diseases.
- 57197 GILLESPIE, J. R., TYLER, W. S., and EBERLY, V. E. Pulmonary ventilation and resistance in emphysematous and control horses. *J. Appl. Physiol.* 21(2):416-422. Ref. Mar. 1966. 447.8 J825
- 57198 HOPKINS, I. G., HAZRATI, A., and OZAWA, Y. Development of plaque techniques for titration and neutralization tests with African horse-sickness virus. *Amer. J. Vet. Res.* 27(116):96-105. Ref. Jan. 1966. 41.8 Am3A
- 57199 ISHII, S. Recollections on equine infectious anemia. (Ja) *Jap. Vet. Med. Ass. J.* 19(1):39-40. 1966. 41.9 J275
- 57200 IVANOVSKII, E. V. Study of vaccine strains of African horse sickness virus. (Rus) *U.S.S.R. Gosud. Nauch.-Kont. Inst. Vet. Preparatov. Trudy* 12:13-23. 1964. 41.9 Un39
Cited in Ref. *Zh. Biol.* 20(sect. B):23. Oct. 1965. 241.7 R25
- 57201 JAKSCH, W. An atypical case of intestinal obstruction in horse. (Ge) *Wien. Tierarztl. Monatsschr.* 53(2):127-129. Feb. 1966. 41.8 T345
- 57202 KAGOSHIMA UNIVERSITY, DEPT. OF AGRICULTURE, SCHOOL OF VETERINARY MEDICINE. A case of gingival sarcoma incorrectly diagnosed as one of dental ailment in a horse. (Ja) *Jap. Vet. Med. Ass. J.* 19(1):10-11. 1966. 41.9 J275
- 57203 KENNEY, D. W., ELSNER, R. W., and FRANKLIN, D. L. Simple surgical approach to iliac arteries of the horse for blood flow measurement. *J. Appl. Physiol.* 21(2):705-706. Mar. 1966. 447.8 J825
- 57204 KRONEMAN, J. The electrocardiogram of the race horse. (Du) *Tijdschr. Diergeneesk.* 91(6):341-348. Mar. 15, 1966. 41.8 T431
English summary.
- 57205 KRONEMAN, J., and BREUKINK, H. J. Treatment of atrial fibrillation in the horse with digitalis tincture and quinidine sulfate. *Tijdschr. Diergeneesk.* 91(4):223-229. Feb. 15, 1966. 41.8 T431
- 57206 KUME, T., and others. Studies on *Corynebacterium equi* infection in foals. (Ja) *Jap. Vet. Med. Ass. J.* 19(1):17-23. Ref. 1966. 41.9 J275
N. Sasaki, K. Sano, S. Akiyama, T. Hiramune, and N. Murase, joint authors.
- 57207 LALONDE, B. J. Arthropod-borne encephalitis viruses in Ohio. *Speculum* 19(2):15-17. Winter 1966. 41.8 Sp3
Includes horses.
- 57208 LANNEK, N. Is epizootic influenza in horses on the increase? (Sw) *Svensk Veterinartidn.* 17(11):357-358. June 1965. 41.9 Sv23
- 57209 LAPLACE, J. P. Etude anatomique d'un embryon de cheval de 12,5 millimetres [Anatomical study of a horse embryo of 12.5 millimeters]. *Lyon. Ecole Nat. Vet.* These 15,88 p. Ref. 1965. 41.2 L99
- 57210 LECLERCQ, M., and DERIVAUX, J. Considerations on certain properties of the gonadotropin in pregnant mare's serum. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(8):357-359. Ref. Oct. 1965. 41.9 R24

- 57211 MADSEN, M. L. A look at the horse and its nature. (Da) Danske Dyrlegefor. Medlemsbl. 49(4):149-150. Feb.15,1966. 41.9 D23
- 57212 MAHDY, M. S. Interference and interferon production by eastern equine encephalomyelitis virus in chick embryo tissue culture. Diss. Abs. 26(9):4970. Mar.1966. 241.8 M58
- 57213 MAROLT, J. A case of leukemic symptoms in the eyes of a horse. (Ge) Deut. Tierarztl. Wochensh. 72(21):506-507. Ref. Nov.1,1965. 41.8 D482
English summary.
- 57214 MARTEL, J. L. Le developpement embryonnaire du coeur chez les equides domestiques [Embryonic development of the heart in domestic Equidae]. Lyon. Ecole Nat. Vet. These 16,56 p. Ref. 1965. 41.2 L99
- 57215 MELJER, W. C. P. Loss of pigment on the integument and the dermatological diagnosis in evaluating horses and cattle. (Ge) Deut. Tierarztl. Wochensh. 73(4):85-88. Ref. Feb.15, 1966. 41.8 D482
English summary.
Chiefly on vitiligo.
- 57216 MILLER, R. M. Diseases of foals. West. Horseman 31(3):30,114. Mar.1966. 42.8 W522
- 57217 MILLER, R. M. Foot problems. West. Horseman 31(4):31,146. Apr.1966. 42.8 W522
- 57218 MILLER, R. M. Obesity in horses. West. Horseman 31(5):18-19. May 1966. 42.8 W522
- 57219 OZAWA, Y. Interference between African horse-sickness viruses in tissue culture. Amer. J. Vet. Res. 27(116):106-109. Ref. Jan. 1966. 41.8 Am3A
- 57220 PARNAIK, D. T., GORHE, D. S., and KHOT, J. B. Observation on South African horsesickness in Maharashtra. Indian J. Vet. Sci. Anim. Husb. 35(2):94-101. Ref. June 1965. 41.8 In22
- 57221 POHLENZ, J., SCHULZE, D., and ECKERT, J. Spinal nematodiasis in the horse caused by *Strongylus vulgaris*. (Ge) Deut. Tierarztl. Wochensh. 72(21):510-511. Ref. Nov.1,1965. 41.8 D482
English summary.
- 57222 RASMUSSEN, P. G. Isolation and identification of Herpes equi virus from horses in Danish Thoroughbred studs. Nord. Veterinaarmed. 18 (2):95-102. Ref. Feb.1966. 41.8 N813
- 57223 RODGERS, R. W. Tapeworm infection causing intussusception in a horse. Mod. Vet. Pract. 47(4):72-73. Apr.1966. 41.8 N812
- 57224 ROMVARY, J. Influenza equi A virus infection in horses. (Hu) Magyar Allatorv. Lapja 21(2): 75-78. Ref. Feb.1966. 41.8 V644
- 57225 ROMVARY, J., TAKATSY, GY., and FARKAS, E. Serological proof for the occurrence of influenza A-1 equi virus infection in Hungarian horses. (Hu) Magyar Allatorv. Lapja 21(2): 56-58. Ref. Feb.1966. 41.8 V644
English summary.
- 57226 SCHEBITZ, H., and SCHULZ, L. C. On the pathogenesis of spinal ataxia in horses—spondylarthrosis, clinical findings. (Ge) Deut. Tierarztl. Wochensh. 72(21):496-501. Ref. Nov.1,1965. 41.8 D482
English summary.
- 57227 SCHUBERT, B. Doping investigations. (Sw) Svensk Veterinartidn. 17(20):647-651. Ref. Oct.1965. 41.9 Sv23
Horses.
- 57228 SCHULZ, L., and others. On the spondylarthrotic pathogenesis of the spinal ataxia of horses. (Ge) Deut. Tierarztl. Wochensh. 72 (21):502-506. Ref. Nov.1,1965. 41.8 D482
H. Schebitz, J. Pohlenz, and G. Mechlenburg, joint authors.
English summary.
- 57229 SINGH, T., VERMAMI, B. M. L., and BHALLA, N. P. Studies on epizootic lymphangitis. I-II. Indian J. Vet. Sci. Anim. Husb. 35(2):102-120. Ref. June 1965. 41.8 In22
Horses.
- 57230 SOLIMAN, M. K., and EL REFAI, A. H. Some hematological studies on healthy and nematode infested horses. Arab. Vet. Med. Ass. J. 25 (3):93-100. Ref. July/Sept.1965. 41.9 Ar1
Strongylosis and ascariasis.
- 57231 SOVA, Z. Relation between leptospirosis and recurrent iridocyclochorioiditis in horses. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 197(1):100-110. Ref. 1965. 448.3 C33
English summary.
Periodic ophthalmia.
- 57232 STECK, W. Serological studies on horses with latent and chronic infectious anemia. (Ge) Schweiz. Arch. Tierheilk. 108(3):103-120. Ref. Mar.1966. 41.8 Sch9
English summary.
- 57233 TABUCHI, E., and others. Long-term retention of equine infectious anemia virus in a horse. (Ja) Jap. Vet. Med. Ass. J. 18(8):23-28. 1965. 41.9 J275
K. Tanaka, Y. Akiyama, M. Katada, H. Yamamoto, K. Sakaki, and T. Yoshino, joint authors.
English summary.
- 57234 TAYLOR, B. M., TIPTON, C. M., and ADRIAN, M. Action of certain joints in the legs of the horse recorded electrogoniometrically. Amer. J. Vet. Res. 27(116):85-89. Jan.1966. 41.8 Am3A
- 57235 ULLRICH, W. Serum transaminase activities in trotting horses following movement activity. (Ge) Wien. Tierarztl. Monatsschr. 53(2):95-107. Ref. Feb.1966. 41.8 T345
English summary.
- 57236 VAN NIEKERK, C. H. The early diagnosis of pregnancy, the development of the foetal membranes and nidation in the mare. S. Afr. Vet. Med. Ass. J. 36(4):483-488. Dec.1965. 41.8 So8
- 57237 WOYCIECHOWSKA, S. Localization of rhinopneumonitis equorum virus antigens in calf kidney cell culture. Acta Virol. 10(2):169-170. Mar.1966. 448.3 Ac85
Using fluorescent antibody technique.

Miscellaneous

- 57238 AMERICAN HORSE SHOWS ASSOCIATION. 1966 rule book. New York, 1966. 407 p. 42.9 Am397
- 57239 DEAN, F. Magueys, myths, and men. West. Horseman 31(3):58-59,96,98-99. Mar.1966. 42.8 W522
Rope spinning and horse catching.
- 57240 HALLMARK, R. B., and LUEKER, C. E. Leaders guide for 4-H horse program. Ark. Univ. Ext. Misc. Publ. 86,12 p. Ref. May 1965. 275.29 Ar4Mi
- 57241 HOLTZ, M. M. The Camargue. West. Horseman 31(5):106-107,181-182. May 1966. 42.8 W522
Horses and cattle in this part of France.
- 57242 KALININ, V. I., and YAKOVLEV, A. A. Konevodstvo [Horse husbandry]. Ed. 6, rev. Moskva, Kolos, 1966. 271 p. SF285.K3
- 57243 KIRK, V. Going-to-the-races. West. Horseman 31(4):38,124,126-128. Apr.1966. 42.8 W522
Care of the horse.
- 57244 KOBACKER, J. L. Portuguese bull-fighting horses. West. Horseman 31(5):138-139,209-211. May 1966. 42.8 W522
- 57245 LOPEZ FORMOSELLE, J. Origins of horse raising in the River Plate. (Sp) Bolsa Com. Rosario. Rev. 54(1295/1296):15-16,18-19. Jan.31,1966. 287 R71

- 57246 MEADOWS, P. Prison horses in Arizona. West. Horseman 31(4):70-71. Apr.1966. 42.8 W522
- 57247 MILLER, R. M. Is rodeo a cruel sport? West. Horseman 31(2):23,99-101. Feb.1966. 42.8 W522
- 57248 SPENCER, D. Bitting and driving. West. Horseman 31(5):96-98,151-152. May 1966. 42.8 W522
- 57249 SPENCER, D. First saddling. West. Horseman 31(4):60-62. Apr.1966. 42.8 W522
- 57250 SPENCER, D. Halter breaking. West. Horseman 31(2):34-36. Feb.1966. 42.8 W522
- 57251 SPENCER, D. Sacking him out. West. Horseman 31(3):48-50,133. Mar.1966. 42.8 W522
Horse training.
- 57252 ULLREY, D. E., and others. Composition of mare's milk. J. Anim. Sci. 25(1):217-222. Ref. Feb.1966. 49 J82
R. D. Struthers, D. G. Hendricks, and B. E. Brent, joint authors.
- 57263 MORCOS, S. R., and LEBESTEIN, A. K. Proteins and toxicity. II. The effect of different dietary levels of protein on the changes produced by the "groundnut toxin." Arab. Vet. Med. Ass. J. 25(3):129-138. Ref. July/Sept. 1965. 41.9 Ar1
Tests with rats.
- 57264 SCHARRER, E. Untersuchungen über die kausalen Voraussetzungen des Verzehrsruckanges bei proteinreicher Ernährung; ein Beitrag zur Regulation der Nahrungsaufnahme [Studies on the reduction of feed intake by high protein diets; a contribution to the regulation of feed intake]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 19,107 p. 1965. 41.2 M9222
English summary.
Bibliography, p.94-107.
Rats.
- 57265 WIELE, J. VAN DE. The influence of special diets on the growth of laboratory mice and rats. (Fr) Rev. Agr. [Brussels] 19(2):189-193. Feb. 1966. 13 R322

Veterinary Medicine

- LABORATORY ANIMALS, SMALL**
- Breeds and Breeding**
- 57253 BRINSTER, R. L., and BIGGERS, J. D. In-vitro fertilization of mouse ova within the explanted fallopian tube. J. Reprod. Fertil. 10 (2):277-279. Oct.1965. 442.8 J8222
- 57254 CATTANACH, B. M., and ISAACSON, J. H. Genetic control over the inactivation of autosomal genes attached to the X-chromosome. Z. Vererbungslehre 96(4):313-323. Ref. 1965. 442.8 Z34
Mice.
- 57255 MARTAN, J. Occurrence of the intact spermatozoa in spontaneous ejaculations of isolated male guinea pigs. III. State Acad. Sci. Trans. 59(1):78-80. Ref. 1966. 500 IL6
- 57256 SCHLAGER, G. Heritability of blood pressure in mice. J. Hered. 56(6):278-284. Ref. Nov./Dec.1965. 442.8 Am3
- 57257 VOURET, P. Contribution a l'etude de l'insemination artificielle des rongeurs de laboratoire [Contribution to the study of artificial insemination of laboratory rodents]. Lyon. Ecole Nat. Vet. These 43,58 p. Ref. 1965. 41.2 L99
- 57258 WALLACE, M. E. Pseudoallelism at the agouti locus in the mouse. J. Hered. 56(6):267-271. Ref. Nov./Dec.1965. 442.8 Am3
- Feeds and Feeding**
- 57259 BEESON, W. M., and others. Nutritional value of high-lysine corn. Distill. Feed Res. Council. Conf. Proc. 21:70-77. Mar.9,1966. 389.79 C765
R. A. Pickett, E. T. Mertz, G. L. Cromwell, and O. E. Nelson, joint authors.
Effect on rat and swine growth.
- 57260 BEESON, W. M., and others. Nutritional value of high-lysine corn. Ind. Agr. Exp. Sta. Res. Progr. Rep. 227,8 p. Mar.1966. 100 In2Res
R. A. Pickett, E. T. Mertz, G. L. Cromwell, and O. E. Nelson, joint authors.
Rats and swine used as test animals.
- 57261 BLOOD, F. R., and others. Feeding of irradiated peaches and whole and peeled oranges to monkeys. Toxicol. Appl. Pharmacol. 8(2):247-249. Mar.1966. 391.8 T662
W. J. Darby, M. S. Wright, and G. A. Elliott, joint authors.
Part of a study to evaluate wholesomeness of irradiated foods.
- 57262 FISHER, A., and BALDASSARRE LABARRIERE, A. H. Study of a new substance used as flocculant in water treatment. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 207:1-4. Mar.1965. 9 Id3
To be used for drinking water for laboratory animals.
- 57266 ALICATA, J. E. Biology and distribution of the rat lungworm, *Angiostrongylus cantonensis*, and its relationship to eosinophilic meningoencephalitis and other neurological disorders of man and animals. Advances Parasitol. 3: 223-248. Ref. 1965. 436.8 Ad9
Review of the literature.
- 57267 BONDY, R. Contribution to the life history of nematodes *Trichostrongylus retortaeformis* (Zeder, 1800) and *Aspicularis tetraptera* (Tetraptera (Nitzsch, 1821) in laboratory animals). (Cz) Cesk. Parazit. 12:93-110. Ref. 1965. 436.8 C33
English summary.
- 57268 BONFILS, A. DE. Contribution a l'etude de l'action teratogene des corticoides [Contribution to the study of the teratogenic action of the corticoids]. Lyon. Ecole Nat. Vet. These 54,60 p. Ref. 1965. 41.2 L99
Tests with cortisone on laboratory animals, and hydrocortisone acetate on chick embryos.
- 57269 BORELLA, L. E., ADAMS, J. G., and MALONE, M. H. The role of histamine in acute experimental ascariasis. J. Parasitol. 52(2):295-302. Ref. Apr.1966. 448.8 J824
Tested in guinea pigs infected with *Ascaris suum*.
- 57270 BOURDEL, G. Investigations into the hormonal determinism of anabolism during pregnancy of female rats. (Fr) World Rev. Anim. Prod. 4: 67-77. Ref. Oct./Dec.1965. 49 W89
English summary.
- 57271 BOURGOIS, A., and PARAF, A. Kinetics studies on the immune reaction in mice by means of the technique of hemolysis in cellulose gel. (Fr) Inst. Pasteur. Ann. 110(3,sup.): 33-48. Ref. Mar.1966. 448.3 An75
English summary.
- 57272 BOZDECH, V., and others. Dynamics of complement fixing antibodies in laboratory rats in relation to the frequency and quantity of immunization doses of a virulent strain of *Toxoplasma gondii*. (Cz) Cesk. Parazit. 12:111-124. Ref. 1965. 436.8 C33
J. Jira, D. Princova, and R. Cee, joint authors.
English summary.
- 57273 BRINSTER, R. L. Studies on the development of mouse embryos in vitro. IV. Interaction of energy sources. J. Reprod. Fertil. 10(2):227-240. Ref. Oct.1965. 442.8 J8222
- 57274 BRUM, V. C. The metabolism of methylglyoxal in thiamine-deficient and control rats. Diss. Abs. 26(8):4139. Feb.1966. 241.8 M58
- 57275 CHENCHEV, I. The effect of corticosteroids on infections and immunity. I. The effect of hydrocortisone and cortisone on infections and immunity in VR2 and Staub strains of *Erysipelothrix insidiosus*. (Ge) Arch. Exp. Veterinar-med. 19(4):1107-1109. Ref. Mar.1,1966. 41.8 Ex7
Swine erysipelas of mouse.

- 57276 FUBRA, E. S. Nonproteolytic, avirulent *Bacillus anthracis* as a live vaccine. *J. Bacteriol.* 91(3):930-933. Ref. Mar.1966. 448.3 J82
Tested in guinea pigs.
- 57277 GLENN, E. M. Adjuvant-induced arthritis: effects of certain drugs on incidence, clinical severity, and biochemical changes. *Amer. J. Vet. Res.* 27(116):339-352. Jan.1966. 41.8 Am3A
Rats.
- 57278 HAMMER, C. Modellversuche an Ratten zur Frage der Wirksamkeit minimaler Östrogen-dosierungen und von Tranquilizern auf Wachstum und Endokrine Testesfunktion [Model experiment on rats concerning the effectiveness of minimal estrogen doses and of tranquilizers on growth and on endocrinal testes function]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 8,99 p. Ref. 1965. 41.2 M9222
Bibliography, p.61-99.
- 57279 HANAFUSA, H., and HANAFUSA, T. Determining factor in the capacity of Rous sarcoma virus to induce tumors in mammals. *Nat. Acad. Sci. Proc.* 55(3):532-538. Ref. Mar.1966. 500 N21P
In hamsters.
- 57280 HAYES, R., and PARAF, A. Studies on certain factors of antibody production in cell culture. (Fr) *Inst. Pasteur. Ann.* 110(3,sup.):118-132. Ref. Mar.1966. 448.3 An75
English summary.
Obtained from lymph node or spleen cells of mice, or from lymph node cells of rabbits.
- 57281 KARASSZON, D. Experiences with gallocyanine staining in the pathohistological examination of the central nervous system. (Hu) *Magyar Allatorv. Lapja* 20(11):506-508. Ref. Nov.1965. 41.8 V644
English summary.
Laboratory animals.
- 57282 KHAN, Z. A. The postembryonic development of *Trichinella spiralis* with special reference to ecdysis. *J. Parasitol.* 52(2):248-259. Ref. Apr.1966. 448.8 J824
In mice.
- 57283 LAMINA, J., and SCHOOP, G. The effect of thiabendazole on various stages of development of experimental trichinosis in mice. (Ge) *Berliner Münchener Tierarztl. Wochensch.* 79 (2):34-37. Ref. Jan.15,1966. 41.8 B45
English summary.
- 57284 LARSH, J., and others. Studies on delayed (cellular) hypersensitivity in mice infected with *Trichinella spiralis*. III. Serologic and histopathologic findings in recipients given peritoneal exudate cells. *J. Parasitol.* 52(1):146-156. Feb.1966. 448.8 J824
G. J. Race, H. T. Goulson, and N. F. Weatherly, joint authors.
- 57285 LESCA, P., and TRUHAUT, R. Eventuality of synergic effects of benzpyrene, 3,4-and the Polyoma virus in the new born mouse. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(3):416-419. Jan.17,1966. 505 P21
- 57286 LUCKEY, T. D. Effects of microbes on germ-free animals. *Advances Appl. Microbiol.* 7:169-223. Ref.,p.217-223. 1965. 448.2 Um1
Laboratory animals.
- 57287 MACCHI, I. A., BEASER, S. B., and SAK, M. F. Tentative identification of insulin from hamster pancreatic homografts and pancreas of other vertebrates. *Endocrinology* 78(4):873-879. Ref. Apr.1966. 448.8 En2
Includes calves and ducks.
- 57288 MANGAN, J. L., and WHITTAKER, V. P. The distribution of free amino acids in subcellular fractions of guinea-pig brain. *Biochem. J.* 98 (1):128-137. Ref. Jan.1966. 382 B52
- 57289 MERCADO, T. I., and BRAND, T. VON. Hy-takerol-induced metastatic calcification in trypanosomiasis. *J. Parasitol.* 52(2):399-406. Ref. Apr.1966. 448.8 J824
Rats infected by *Trypanosoma equiperdum* and *T. equinum*.
- 57290 NATIONAL ACADEMY OF SCIENCES. INSTITUTE OF LABORATORY ANIMAL RESOURCES. Laboratory animals. V. Workshop in animal technician training, October 2, 1964, Washington, D.C. Washington, D.C., 1965. 58 p. (Its Publication 1285) 411 N212L
- 57291 PATRICK, H., and MARTIN, W. G. Usage of selenium⁷⁵ and cesium¹³⁴ in gamma irradiation studies. *W. Va. Acad. Sci. Proc.* 37:23-27. 1965, pub.1966. 500 W52
In rats and poultry.
- 57292 PLATE, P. Zur Frage der endokrinen Testesfunktion beim Kryptorchismus und nach Vasoligatur, histometrische Untersuchungen an Rattenhoden [On the problem of endocrine testes function in cryptorchism and following vasoligature; histometric studies on rat testicles]. *Munich. Univ. Tierarztl. Fak. [Inaug. Diss.]* 17, 109 p. 1965. 41.2 M9222
Bibliography, p.92-109.
- 57293 PLUMLEE, M. P., and others. Response of rats and young pigs to fractions of corn distillers dried solubles. *Distill. Feed Res. Council. Conf. Proc.* 21:25-29. Mar.9,1966. 389.79 C765
R. L. Harrold, J. H. Conrad, and W. M. Beeson, joint authors.
- 57294 PODHAJECKY, K. Invasion ability of juvenile muscle *Trichinae*. (Ge) *Helminthologia* 6 (1/4):261-264. 1965. 436.8 H36
English summary.
Trichinella spiralis in mice.
- 57295 PODHAJECKY, K. The smallest number of muscle *Trichinae*, necessary to cause muscle trichinellosis in mice. (Ge) *Helminthologia* 6(1/4):277-280. 1965. 436.8 H36
English summary.
- 57296 PRITCHARD, W. R. Opportunities in laboratory animal medicine. *Calif. Vet.* 20(1):10-12,32-33. Jan./Feb.1966. 41.8 C12
- 57297 RACKIS, J. J. Physiological properties of soybean trypsin inhibitors and their relationship to pancreatic hypertrophy and growth inhibition of rats. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 24(3,p.1):1488-1493. Ref. Nov./Dec.1965. 442.9 F31P
- 57298 SAMBRAUS, H. H. Untersuchungen über die Wirkung der Gegensensibilisierung und zyttoplasmatischer Substanzen auf die calciphylaktisch bedingte Sklerodermie der Albinoratte [Studies on the effect of antisensitization and cytoplasmatic substances on the calciphylactic scleroderma of albino rat]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 18,42 p. 1965. 41.2 M9222
Bibliography, p.33-42.
- 57299 SCHREIER, C., and SCHIMMELPFENNING, I. R. Biological studies on primary tumors of female NMRI mice. (Ge) *Arch. Exp. Veterinarmed.* 19(4):1037-1051. Ref. Mar.1,1966. 41.8 Ex7
- 57300 SHORSHEV, V. I., and ZHURNAKOVA, M. N. Study of acid resistant bacteria isolated from unused peat litter. (Rus) *Veterinariya* 10:41-43. Oct.1965. 41.8 V6426
Includes pathogenicity to laboratory animals.
- 57301 SIMITCH, T., and others. Infection of the guinea pig by mouth with *Toxoplasma gondii*. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(8):329-331. Oct.1965. 41.9 R24
Z. Petrovitch, A. Bordjochki, Z. Savin, and Z. Mikovitch, joint authors.
- 57302 SOAVE, O. A. Transmission of rabies to mice by ingestion of infected tissue. *Amer. J. Vet. Res.* 27(116):44-46. Jan.1966. 41.8 Am3A
- 57303 SOPIN, YE. F., and KUCHERENKO, M. Y. Nucleic acid content and metabolism in the brain of X-irradiated guinea pigs. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(1,p.2):T118-T120. Ref. Jan./Feb.1966. 442.9 F31P
Translation from *Ukrayins'kyi Biokhimichnyi Zhurnal* 37(2):251. 1965.

- 57304 STRAUSS, J. M., and HEYNEMAN, D. Fatal ectopic fascioliasis in a guinea pig breeding colony from Malacca. *J. Parasitol.* 52(2):413. Apr.1966. 448.8 J824
Caused by *Fasciola hepatica*.
- 57305 VIGIER, P., and SVOBODA, J. Study of the production of Rous virus by contact between sarcoma XC cells of rat and the cells of chick embryo in cultures. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4278-4281. Ref. Nov.15,1965. 505 P21
- 57306 VOLKER, H., and GRAEF, W. Cyto-architectonic the diencephalon region of guinea pig (*Cavia porcellus* L.). (Ge) *Arch. Exp. Veterinarmed.* 19(4):1121-1137. Ref. Mar.1,1966. 41.8 Ex7
- 57307 WENNINGER, W. Über die Beeinflussung der Cytochromoxydaseaktivität durch Thyroxin [Influencing cytochrome oxidase activity by thyroxine]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 23,36 p. Ref. 1965. 41.2 M9222
Rats.
- 57308 WESCOTT, R. B., and TODD, A. C. Interaction of *Nippostrongylus brasiliensis* and influenza virus in mice. I. Influence of the nematode on the virus. *J. Parasitol.* 52(2):242-247. Ref. Apr.1966. 448.8 J824
- 57309 WULFF, P. Methodische Versuche zur Erziehung von Gewohnungs- und Abstinenzerscheinungen bei weissen Mäusen. IV. Untersuchungen mit Phenobarbital [Methodical experiment for determining tolerance and abstinence symptoms in white mice. IV. Studies with phenobarbital]. *Hanover, Tierarztl. Hochsch. Inaug.-Diss.* 17,46 p. 1965. 41.2 H198
Bibliography, p.37-45.
- POULTRY**
- Breeds and Breeding
- 57310 BAMMI, R. K., SHOFFNER, R. N., and HAI-DEN, G. J. Sex chromosomes in the germ cells of the chicken, turkey and Japanese quail. *Poultry Sci.* 45(2):424-426. Mar.1966. 47.8 Am33P
- 57311 BOYD, A. E. Fertility and artificial insemination in turkeys. *Agr. Northern Ireland* 40(10):319-321. Feb.1966. 256.13 Ag82M
- 57312 CROIZIER, G., and BOYER, J. P. Selection and production of strains and crosses. (Fr) *Rev. Elevage* 39(spec.no.):7,9-10,13-14,17,19-20,23. 1966. 49 B462
Poultry.
- 57313 EISEN, E. J. A study of genetic combining ability among inbred lines of poultry in single crosses, double crosses and top crosses. *Diss. Abs.* 26(3):1298. Sept.1965. 241.8 M58
- 57314 FROGET, J. Selection and integration in poultry raising—modern aspects. (Fr) *Rev. Med. Vet. [Toulouse]* 116(5):371-380. Ref. May 1965. 41.8 R32
English summary.
- 57315 FURUTANI, H., TSUKADA, A., and SHIBUSAWA, G. A status quo survey on artificial insemination among chickens and a proposed plan for improvement of fertility rate. (Ja) *Jap. Vet. Med. Ass. J.* 18(12):717-720. 1965. 41.9 J275
English summary.
- 57316 GARDOS, F. New production branch; meat type pigeon. (Hu) *Baromfitenyesteztes* 10(3):22-23. Mar.1966. 47.8 B262
- 57317 GRANAT, J., ZELNIK, J., and GLASNAK, V. A contribution to the study of the effect of biogenic stimulators on the intensity of growth of cocks. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:35-39. 1964. 281.9 N632
English summary.
- 57318 GROM, A. A methodical contribution to the study of reducing control period of heredity in cocks. II. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:239-244. 1964. 281.9 N632
English summary.
Statistical research method.
- 57319 HARMS, R. H., DAMRON, B. L., and WALD-ROUP, P. W. Influence of strain or breed upon the protein requirement of laying hens. *Poultry Sci.* 45(2):272-275. Mar.1966. 47.8 Am33P
Includes egg production rate and weight gain.
- 57320 HOLDAS, S. Artificial insemination of poultry. (Hu) *Mezogazdasagi Vilagirodalom* 8(1):50-55. Ref. 1966. 19 M577
Review of literature.
- 57321 HOLLANDER, W. F., and MILLER, W. J. Homology of color mutants in two species of ducks. *J. Hered.* 56(6):295-297. Ref. Nov./Dec.1965. 442.8 Am3
- 57322 LEROY, P., and BENOIT, J. Comparison between the descendants of Rhode Island Red chickens M-44, injected with whole blood or nuclear erythrocyte complex of guinea fowl. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(7):805-808. Feb.14,1966. 505 P21
- 57323 MENDEL, J. M. Statistical analysis of non-linear response functions with application to the genetics of poultry growth. *Diss. Abs.* 26(8):4187. Feb.1966. 241.8 M58
- 57324 MEURIER, C. Control of performance of commercial varieties of layers. (Fr) *Rev. Elevage* 39(spec.no.):25-26,29-30,33,35. 1966. 49 B462
- 57325 MILJKOVIC, V., and others. Artificial insemination of geese. (Se) *Vet. Glas.* 19(9):693-699. 1965. 41.8 J93
N. Burinik, G. Mrvos, and S. Paunovic, joint authors.
English summary.
- 57326 SALOMON, A. L., LAZORCHECK, M. J., and SCHEIN, M. W. Effect of social dominance on individual crowing rates of cockerels. *J. Compar. Physiol. Psychol.* 61(1):144-146. Feb.1966. 410 J822
- 57327 SCHINDLER, H., and HURWITZ, S. The preservation of sperm motility in different regions of the hen oviduct in vivo. *Poultry Sci.* 45(2):369-374. Mar.1966. 47.8 Am33P
- 57328 SIEGEL, P. B. Genetics of behavior: selection for mating ability in chickens. *Genetics* 52(6):1269-1277. Ref. Dec.1965. 442.8 G28
- 57329 SITTMANN, K., RICHARDS, W. P. C., and ABPLANALP, H. Congenital loco in a third species of domestic fowl. *Can. J. Genet. Cytol.* 7(4):636-640. Dec.1965. 443.8 C16
A behavior disorder expressed at hatch as pronounced lack of balance.
- 57330 SOMES, R. G., and SMYTH, J. R. Feather eumelanin distribution variations in Buff Orpington, New Hampshire and Rhode Island Red breeds of fowl. *Poultry Sci.* 45(1):40-49. Ref. Jan.1966. 47.8 Am33P
- 57331 VANCIKOVA, R. Productivity of Bronze and Broad Breasted White turkeys in Czechoslovakia. (Hu) *Baromfitenyesteztes* 10(3):14-15. Mar.1966. 47.8 B262
Egg and meat production.
- 57332 WEHRHAHN, C. F., and CRAWFORD, R. D. Comb dimorphism in Wyandotte domestic fowl. 2. Population genetics of the rose comb gene. *Can. J. Genet. Cytol.* 7(4):651-657. Ref. Dec. 1965. 443.8 C16
- 57333 ZANONI, G. The Muscovy, duck of many names. (It) *Avvenire Agr.* 73(8):204-207. Aug.1965. 16 Av9
Care.

- 57334 ZELNIK, J. Genetic foundation of two types of pigmentation in Indian Runner ducks. (Cz) *Pol'nohospodarstvo* 12(2):133-137. 1966. 19.5 P752
English summary.
- Feeds and Feeding
- 57335 AFIFI, M., and EL-SAYED, M. Date stone meal as a substitute for barley in chick rations. *Trop. Agr. [St. Augustine]* 43(2):167-170. Apr. 1966. 26 T754
Egypt.
- 57336 ATTIA, F. M. Studies on raw and heated wheat germ for young chicks. *Diss. Abs.* 26(9):5004. Mar. 1966. 241.8 M58
- 57337 BALLOUN, S. L. Protein and amino acid balance in poult diets. *Distill. Feed Res. Council. Conf. Proc.* 21:63-69. Mar. 9, 1966. 389.79 C765
- 57338 BARTOV, I., and BORNSTEIN, S. Studies on egg yolk pigmentation. 2. Effect of ethoxyquin on xanthophyll utilization. *Poultry Sci.* 45(2):297-305. Ref. Mar. 1966. 47.8 Am33P
- 57339 BIELY, J., and others. Improvement in performance of broilers. *Feed Age* 16(3):18-22. Mar. 1966. 389.78 F327
B. E. March, W. H. Pope, and H. Gasperdone, joint authors.
Feed ration tests.
- 57340 BIERER, B. W., and ELEAZER, T. H. The relationship of feed and water deprivation to greenish gizzard mucous membrane and contents in chickens. *Poultry Sci.* 45(2):379-380. Mar. 1966. 47.8 Am33P
- 57341 BLAMBERG, D. L., and HELBACKA, N. V. Observations concerning the rearing and processing of broilers by separate sexes. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:76-79. Ref. 389.9 Un342
Feeding and carcass grading.
- 57342 BRUBACHER, G. The significance of carotenoids as colouring agents for egg yolk and broilers. *Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:43-48.* Ref. 1962, pub. 1965. TP368.15
Used in poultry nutrition.
- 57343 COSTA, J. A. Bird feeds can produce profits. *Feedstuffs* 38(13):56. Apr. 2, 1966. 286.81 F322
Chiefly pigeons.
- 57344 COUCH, J. R. The use of corn distillers dried grain with solubles in feeds for rearing broiler replacement pullets. *Distill. Feed Res. Council. Conf. Proc.* 21:58-62. Mar. 9, 1966. 389.79 C765
Influence on egg production.
- 57345 CREEK, R. D. Detrimental effects of raw wheat germ in chick diets. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:25-27. 389.9 Un342
- 57346 EDWARDS, H. M. The effect of protein source in the diet on Zn⁶⁵ absorption and excretion by chickens. *Poultry Sci.* 45(2):421-422. Mar. 1966. 47.8 Am33P
- 57347 FEATHERSTON, W. R., and ROGLER, J. C. A comparison of processing conditions of unextracted soybeans for utilization by the chick. *Poultry Sci.* 45(2):330-336. Mar. 1966. 47.8 Am33P
- 57348 FLEGAL, C. J. The relative biopotency of fermentation beta-carotene, crystalline beta-carotene and vitamin A for poultry. *Diss. Abs.* 26(8):4208. Feb. 1966. 241.8 M58
- 57349 GARTNER, R. J. W., and BURTON, H. W. Evaluation of meat-and-bone meals in rations for growing chickens. 3. Effect of cooking time in the preparation of meat-and-bone meal and effect of added tallow in poultry rations. *Queensland J. Agr. Anim. Sci.* 22(3):281-289. Ref. Sept. 1965. 23 Q37
- 57350 GERENCSE, V., DUDUK, V., and VINCZE, L. Comparative investigation on the nutritive value of sorghum and maize in chick starter rations. (Hu) *Allattenyesztes* 15(1):91-100. Ref. Mar. 1966. 49 AL57
English summary.
- 57351 GROOTE, G. DE. The relative value of young corn, alfalfa meal, corn gluten meal (42), Brazilian corn gluten meal (60), and carophyll (10), used as pigmentation products for egg yolks. (Fr) *Rev. Agr. [Brussels]* 19(1):73-. 89. Jan. 1966. 13 R322
English summary.
- 57352 GUILLAUME, J., and LECLERCQ, B. Feeding of laying hens for market eggs. (Fr) *Rev. Elevage* 39(spec.no.):63-64, 67-68, 71-72. 1966. 49 B462
- 57353 HARMS, R. H. Protein levels for broiler breeder, grower, and layer feed. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:28-30. Ref. 389.9 Un342
- 57354 HURWITZ, S., and BAR, A. Calcium depletion and repletion in laying hens. 1-2. *Poultry Sci.* 45(2):345-358. Ref. Mar. 1966. 47.8 Am33P
1, Effect on calcium in various bone segments, in egg shells and in blood plasma, and on calcium balance; 2, The effect on radiocalcium and radiostromium retention in bone and deposition in the egg shell.
- 57355 IVOREC-SZYLIT, O., and others. Contribution to the study of degradation of glucides in the crop of rooster: influence of glucose ratio of the system on starch utilization. (Fr) *Acad. Sci. Compt. Rend.* 261(16):3201-3203. Oct. 18, 1965. 505 P21
C. Mercier, P. Raibaud, and C. Calet, joint authors.
- 57356 KLAUS, H., and RUFFLE, E. Preliminary studies on the nutritive effect of 2-thionetrahydro-1,3,5-thiadiazine [D 47] in ducks and pigs. (Ge) *Monatsh. Veterinarmed.* 21(2):47-53. Ref. Jan. 15, 1966. 41.8 M742
English summary.
- 57357 KRATZER, F. H. Soybean protein-mineral interrelationships. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 24(6, pt. 1):1498-1500. Ref. Nov./Dec. 1965. 442.9 F31P
As poultry feed.
- 57358 LAKSESEVELA, B. Some features of amino acid supplementation of proteins for young chicks. *Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:185-194.* 1962, pub. 1965. TP368.15
- 57359 LEASE, J. G. The effect of autoclaving sesame meal on its phytic acid content and on the availability of its zinc to the chick. *Poultry Sci.* 45(2):237-241. Ref. Mar. 1966. 47.8 Am33P
- 57360 LECLERCQ, B., BLUM, J. C., and JACQUOT, R. Study on the utilization of elaidic acid during the oogenesis of *Gallus gallus* L.: its incorporation into reserve fats and lipides of yolk of layed eggs. (Fr) *Acad. Sci. Compt. Rend.* 261(16):3197-3200. Oct. 18, 1965. 505 P21
- 57361 MARION, J. E., and WOODROOF, J. G. Composition and stability of broiler carcasses as affected by dietary protein and fat. *Poultry Sci.* 45(2):241-247. Ref. Mar. 1966. 47.8 Am33P
- 57362 MAYMONE, B. Folic acid, limiting factor in feeding of poultry and swine. (Ge) *Aliment. Anim.* 9(6/7):267-278. Ref. June/July 1965. 389.78 AL4
English summary.
- 57363 MICKELBERRY, W. C., ROGLER, J. C., and STADELMAN, W. J. The influence of dietary fat and environmental temperature upon chick growth and carcass composition. *Poultry Sci.* 45(2):313-321. Ref. Mar. 1966. 47.8 Am33P

- 57364 NABER, E. C. Tailor made rations for laying hens to meet individual flock needs. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966: 39-45. 389.9 Un342
- 57365 NUGARA, D. The use of coconut oil meal in chick diets. Ceylon Vet. J. 12(3):40-42. Sept. 1964. 41.8 C33
- 57366 PELCZYNSKA, E. Investigations on the presence of antibiotics given for nutritional purposes, in the muscle tissue and interior organs of slaughter animals. (Pol) Med. Weter. 21 (12):717-719. Ref. Dec.1965. 41.8 M463
English summary.
Of chicks and piglets.
- 57367 PENSACK, J. M. The stimulating action of antibiotics on growth of chicks during the first days of life. (It) Agr. Italia 11(7):53,55-57, 59-61,63. July 1965. 16 Ag8232
- 57368 PERENYI, M. Using various plant origin proteins in turkey rearing. (Hu) Allattenyesztes 15(1):83-90. Ref. Mar.1966. 49 AL57
English summary.
- 57369 POTTER, L. M. Studies with distillers feeds in turkey rations. Distill. Feed Res. Council. Conf. Proc. 21:47-51. Mar.9,1966. 389.79 C765
- 57370 REID, B. L. Non-protein nitrogen for laying hens. Feedstuffs 38(15):56-58. Apr.16,1966. 286.81 F322
- 57371 RUNNELS, T. D. The biological nutrient availability of corn distillers dried grains with solubles in broiler feeds. Distill. Feed Res. Council. Conf. Proc. 21:11-15. Mar.9,1966. 389.79 C765
- 57372 SCOTT, M. L. The nutrition of pheasants and quail. Distill. Feed Res. Council. Conf. Proc. 21:30-35. Ref. Mar.9,1966. 389.79 C765
- 57373 SELL, J. L., and HODGSON, G. C. Wheat-soybean meal rations for laying hens. Poultry Sci. 45(2):247-253. Mar.1966. 47.8 Am33P
- 57374 SINGH, H. The effect of raw soybean diets and certain sanitary measures upon disease incidence and nutritional performance of chickens. Diss. Abs. 26(3):1263-1264. Sept.1965. 241.8 M58
- 57375 SINGSEN, E. P. Nutrition during the rearing period and its influence on reproductive performance in broiler breeders. Feedstuffs 38 (12):18,22. Mar.26,1966. 286.81 F322
- 57376 SLINGER, S. J. Influence of pelleting on the nutritive value of feedstuffs and complete diets. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:1-10. 389.9 Un342
In poultry.
- 57377 SUPPLEE, W. C. Observations on the requirements of turkeys for folic acid and vitamin E. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:30-31. 389.9 Un342
- 57378 TELLO, M. P. Poultry feeding and egg incubation. (Por) Gaz. Agr. [Lourenco Marques] 17(197):294-295. Oct.1965. 24 G25
- 57379 THOMAS, O. P. Studies on lysine for chickens. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:80-86. 389.9 Un342
- 57380 TIPTON, H. C., DILWORTH, B. C., and DAY, E. J. A comparison of D-, L-, DL-methionine and methionine hydroxy analogue calcium in chick diets. Poultry Sci. 45(2):381-387. Ref. Mar.1966. 47.8 Am33P
- 57381 TOUCHBURN, S. P., CHAMBERLIN, V. D., and NABER, E. C. Unidentified hatchability and progeny growth factors in turkey nutrition. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:32-38. 389.9 Un342
- 57382 VANSCHOUBROEK, F., and WILDE, R. DE. Influence of citric acid on weight gain, feed conversion efficiency and water consumption of broilers. (Fl) Vlaams Diergeneesk. Tijdschr. 34(7/8):271-276. July/Aug.1965. 41.8 V84
English summary.
- 57383 WALDROUP, P. W., DAMRON, B. L., and HARMS, R. H. The effect of low protein and high fiber grower diets on the performance of broiler pullets. Poultry Sci. 45(2):393-402. Ref. Mar.1966. 47.8 Am33P
- 57384 WALDROUP, P. W. Factors affecting utilization of phosphorus by poultry. Diss. Abs. 26 (3):1264. Sept.1965. 241.8 M58
- 57385 WISMAN, E. L., and BEANE, W. L. Protein and energy requirements of meat-type chickens to fifteen weeks of age. Poultry Sci. 45 (2):305-312. Ref. Mar.1966. 47.8 Am33P
- 57386 ZEELEN, H. H. M. Influence of high calcium rations on egg production and eggshell quality. (Du) Veeteelt Zuivelber. 9(1):33-38. Jan.1966. 49 V51

Veterinary Medicine

- 57387 ADAMS, A. W. Relationship of several factors to the incidence of breast blisters in large type male market turkeys. Diss. Abs. 26(9):4923-4924. Mar.1966. 241.8 M58
- 57388 ALLEN, D. J., and MARLEY, E. Actions of amines on temperature in the chicken. J. Physiol. 183(2):61P-62P. Mar.1966. 447.8 J82
- 57389 ANDERSON, D. P. Definition of environmental factors influencing respiratory diseases of poultry. Diss. Abs. 26(9):4924. Mar.1966. 241.8 M58
- 57390 ARUTYUNYAN, P. I. Contribution to the research of the sesamoid bone of the tibiotarsal joint in domestic birds. 6 p. Transl. 15300
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya, Biologicheskije Nauki 16 (6):69-74. 1963.
- 57391 ASMAR, J. A. Chromatographic and immunoelectrophoretic characterization of chicken and turkey agglutinating antibodies to Mycoplasma gallisepticum. Diss. Abs. 26(8):4144-4145. Feb.1966. 241.8 M58
- 57392 AUDI, S., ALERAJ, Z., and BINICKI, M. Examination of the importance of various diseases on a poultry farm with high egg production. (Se) Vet. Glas. 19(9):665-668. 1965. 41.8 J93
English summary.
- 57393 AUDI, S., ALERAJ, Z., and TUNKLE, B. Some more important factors which play a part in the spread and prevention of diphtheria in larger groups of poultry. (Se) Vet. Glas. 19(9):673-676. 1965. 41.8 J93
English summary.
Value of immunization.
- 57394 BAKER, W. W. Studies of soluble and particulate isocitrate-nicotinamide-adenine dinucleotide phosphate-oxidoreductase activities during development of the chick embryo. Diss. Abs. 26(3):1315-1316. Sept.1965. 241.8 M58
- 57395 BANERJEE, S., and RAO, P. N. Certain aspects of protein metabolism in hypercholesteremic chickens. Soc. Exp. Biol. Med. Proc. 121 (1):12-15. Jan.1966. 442.9 S01
- 57396 BARNES, E. M., and GOLDBERG, H. S. The Bacteroides of poultry caeca and their relationship with human strains. Potsdam. Inst. Ernahr. Ernährungsforsch. 10(2/3):489-497. Ref. 1965. 386.3 P84
- 57397 BARON, R. R., MOELLER, M. W., and MOREHOUSE, N. F. The efficacy of 2-chloro-4-nitrobenzamide for the prevention and control of coccidiosis in chickens. Poultry Sci. 45(2):411-418. Mar.1966. 47.8 Am33P
- 57398 BARUS, V., and BLAZEK, K. Revision of the exogenous and endogenous phase of the development cycle and the pathogenicity of Syngamus (Syngamus) trachea (Montagu, 1811) Chapin, 1925 in the final host. (Ge) Cesk. Parazit. 12:47-70. Ref. 1965. 436.8 C33
Gapeworm of poultry and turkeys.

- 57399 BEARD, C. W. The influence of the route of administration of Newcastle disease virus on host response. Diss. Abs. 26(9):5376-5377. Mar.1966. 241.8 M58
- 57400 BECKER, W., and BENGELSDORFF, H. J. Clinical observations after prophylactic vaccination with Resprovac against the infectious bronchitis of chickens. (Ge) Deut. Tierarztl. Wochenschr. 73(2):31-35. Ref. Jan.15,1966. 41.8 D482
English summary.
- 57401 BESSARABOV, B. F. Improving lecturing on poultry diseases. (Rus) Veterinariya 10:107-108. Oct.1965. 41.8 V6426
- 57402 BETZ, E. H., FIRKET, H., and REZNIK, M. Some aspects of muscle regeneration. Int. Rev. Cytol. 19:203-227. Ref. 1966. 442.8 In82
Includes poultry and rabbits.
- 57403 BICKFORD, A. A., and SAUNDERS, J. R. Experimental toxoplasmosis in chickens. Amer. J. Vet. Res. 27(116):308-318. Ref. Jan.1966. 41.8 Am3A
- 57404 BIROVA-VOLOSINOVICOVA, V. Epizootiological experiences with *Heterakis gallinarum* and their practical application. (Cz) Veterinarstvi 15(12):537-539. 1965. 41.8 V6439
- 57405 BLUM, J. C., and GAUDIN-HARDING, F. Flavoproteins in the egg and blood serum of laying poultry. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1299-1301. Mar.14,1966. 505 P21
- 57406 BOKORI, J. On the spontaneous gout of chickens. (Hu) Magyar Allatorv. Lapja 20(11):509-511. Ref. Nov.1965. 41.8 V644
English summary.
- 57407 BRION, A. Sanitary procedures for a flock of layers. (Fr) Rev. Elevage 39(spec.no.):75-76, 79-80. 1966. 49 B462
Especially vaccination for disease control.
- 57408 BÜRG, S. F. VAN DER. Salmonella in broilers and meat chicken in Netherlands. (Du) Tijdschr. Diergeneesk. 91(6):401-402. Mar.15, 1966. 41.8 T431
Comments on article by M. van Shothorst.
- 57409 BURKE, C. N. Avian adeno-like viruses: characterization and comparison of seven isolates. Diss. Abs. 26(9):4966. Mar.1966. 241.8 M58
- 57410 BURTSCHER, H. What is the contribution of section in diagnosing poultry diseases? (Ge) Wien. Tierarztl. Monatsschr. 52(12):1062-1071. Dec.1965. 41.8 T345
- 57411 CELLE, A. La bronchite infectieuse des poules pondeuses incidences économiques [Infectious bronchitis of layers—economic incidences]. Lyon. Ecole Nat. Vet. These 8,68 p. Ref. 1965. 41.2 L99
- 57412 CHAPERON, E. A. Recovery of thymectomized chickens from induced immunological unresponsiveness. Diss. Abs. 26(9):5603. Mar. 1966. 241.8 M58
- 57413 CHARLES, O. W., and others. The effect of dicumarol, diphacinone and pivalyl upon blood prothrombin time of chicks. Poultry Sci. 45(2):387-393. Ref. Mar.1966. 47.8 Am33P
B. C. Dilworth, R. D. Bushong, and E. J. Day, joint authors.
- 57414 CLEEF, S. A. M. VAN, and LENSING, H. H. Lead poisoning in chickens. (Du) Tijdschr. Diergeneesk. 91(5):314-317. Mar.1,1966. 41.8 T431
English summary.
- 57415 CLEEF, S. A. M. VAN, and MILTENBURG, J. T. A serious virus disease with an acute course and great mortality in goslings. (Du) Tijdschr. Diergeneesk. 91(6):372-382. Mar.15,1966. 41.8 T431
English summary.
- 57416 COATES, M. E., HARRISON, G. F., and MOORE, J. H. Cholesterol metabolism in germ-free and conventional chicks. Potsdam. Inst. Ernähr. Ernährungsforsch. 10(2/3):251-256. 1965. 386.3 P84
- 57417 COMBET, P. Contribution a l'etude de la bronchite infectieuse des volailles du diagnostic a la prophylaxie [Contribution to the study of infectious bronchitis of poultry from diagnosis to prevention]. Lyon. Ecole Nat. Vet. These 7,70 p. 1965. 41.2 L99
- 57418 CONNECTICUT, DEPT. OF AGRICULTURE AND NATURAL RESOURCES. Official poultry directory; pullorum-typhoid clean and passed flocks and hatcheries co-operating in the National Poultry and Turkey Improvement Plans. Hartford, 1966. 22 p. 225 C769
- 57419 CORLISS, C. E., FEDINEC, A. A., and ROBERTSON, G. G. The teratogenic effect of tetanus toxin on the central nervous system of the early chick embryo. Anat. Rec. 154(2):221-231. Ref. Feb.1966. 447.8 An1
- 57420 CORSTVET, R. E. A comparative study of single and multiple infections in the chicken. Diss. Abs. 26(8):4175. Feb.1966. 241.8 M58
Simplified method for conjugating antibody protein.
- 57421 COTTEREAU, P. Various types of vaccines and their indications in prevention of Newcastle disease and infectious bronchitis of poultry. (Fr) Rev. Med. Vet. [Toulouse] 116(5):347-370. Ref. May 1965. 41.8 R32
English summary.
- 57422 CROMPTON, D. W. T., SHRIMPTON, D. H., and SILVER, I. A. Measurements of the oxygen tension in the lumen of the small intestine of the domestic duck. J. Exp. Biol. 43(3):473-478. Ref. Dec.1965. 442.8 B77
- 57423 DEO, P. G. Roundworms of poultry. Indian Counc. Agr. Res. Anim. Husb. Ser. 3,146 p. Ref. 1964. 49.9 In24
- 57424 DEVOS, A., VIAENE, N., and STAELENS, M. Treatment of trichomoniasis in pigeons with thiazole and imidazole compounds. (Fl) Vlaams Diergeneesk. Tijdschr. 34(6):241-252. Ref. June 1965. 41.8 V84
English summary.
- 57425 DICKER, S. E., and HASLAM, J. Water diuresis in the domestic fowl. J. Physiol. 183(1):225-235. Ref. Mar.1966. 447.8 J82
- 57426 DOLBENEVA, E. F. Rate of early development in chick embryos, and protein, lipid, and mineral metabolism and energy during the incubation period. (Rus) Vses. N.-I. In-t Ptitsevodstva. Sbornik Rabot Molodykh Uchenykh 7:212-220. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 19(sect.M):7-8. Oct.1965. 241.7 R25
- 57427 DONALDSON, E. M. Adrenocortical function in the duck (*Anas platyrhynchos*). Diss. Abs. 26(8):4766. Feb.1966. 241.8 M58
- 57428 DORAN, D. J. Location and time of penetration of duodenal epithelial cells by *Eimeria acervulina* sporozoites. Helminthol. Soc. Wash. Proc. 33(1):43-46. Jan.1966. 436.9 H36
In chickens.
- 57429 DORAN, D. J. The migration of *Eimeria acervulina* sporozoites to the duodenal glands of Lieberhuhn. J. Protozool. 13(1):27-33. Ref. Feb.1966. 439.8 J82
In chicks.
- 57430 DRURY, L. N., and SIEGEL, H. S. Air velocity and heat tolerance of young chickens. Progress report I. Amer. Soc. Agr. Eng. Pap. 415, 9 p. Ref. 1965. 290.9 Am32P

- 57431 DULBENA, J. Notes on disease and its causal agents. (Sp) Rev. Nac. Agr. 57(722):35-42. June 1965. 9.4 R32
Poultry.
- 57432 EDMONDS, R. H. A study of erythropoiesis in the avian yolk sac. Diss. Abs. 26(9):4955. Mar. 1966. 241.8 M58
Chick embryos.
- 57433 ERDOS, A., and GERLACH, H. Hexamitiasis of pigeons. (Ge) Kleintier-Praxis 11(1):26, 28. Feb. 1966. 41.8 K67
English summary.
- 57434 EUZEBY, J. Taeniasis of galliformes—species affected and their importance. (Fr) Rev. Med. Vet. [Toulouse] 116(5):381-397. May 1965. 41.8 R32
English summary.
- 57435 EYSEN, H., and SOMER, P. DE. Studies on gnotobiotic chicks: effects of controlled intestinal flora's on growth and nutrient absorption. Potsdam. Inst. Ernähr. Ernährungsforsch. 10 (2/3):264-273. Ref. 1965. 386.3 P84
- 57436 FADIN, V. Aerosol method. (Rus) Sel'sko-khoz. Proizv. Sibiri Dal'nego Vostoka 1:38. 1966. 281.8 Se44
In treatment of fowl cholera with oxytetracycline.
- 57437 FORGACS, J. Mycoses and mycotoxicoses in poultry. II. Feedstuffs 38(11):26,28,30,31-32, 71. Ref. Mar. 19, 1966. 286.81 F322
- 57438 FISHER, H. W., MATSUMIYA, H., and AZUMI, M. Application of cell fractionation techniques in the study of cells infected with polyoma virus and Newcastle disease virus. J. Bacteriol. 91(4):1645-1651. Ref. Apr. 1966. 448.3 J82
- 57439 FRAS, A. Types of Salmonella identified in intensive poultry production. (Se) Vet. Glas. 19 (9):689-691. 1965. 41.8 J93
English summary.
- 57440 FRIIS, N. F. Investigations into the spread of ornithosis infection among Copenhagen pigeons. (Da) Nord. Veterinærmed. 18(1):44-50, map. Ref. Jan. 1966. 41.8 N813
English summary.
- 57441 GARKAVI, B. L. Contribution to the biology of the nematode Tetrameres fissispina, parasite of domestic ducks. (Rus) Helminthologia 6 (1/4):61-63. 1965. 436.8 H36
English summary.
- 57442 GELBARD, A. S., KIM, S. H., and EIDINOFF, M. L. Nucleoside kinase activities in tissues infected with Rous sarcoma virus. Cancer Res. 26(4,pt.1):748-751. Ref. Apr. 1966. 448.8 C16
- 57443 GENTRY, R. F. To reduce condemnations, re-examine vaccinations. Broiler Indus. 29(3):34, 36-37. Mar. 1966. 47.8 N45
- 57444 GLIGORIJEVIC, J., RUSOV, C., and BEGOVIC, J. Application of radioactive iron in the study of hematopoiesis of poultry. (Se) Vet. Glas. 19(9):721-726. 1965. 41.8 J93
English summary.
- 57445 GOLDE, A. Nondefectivity of the Rous sarcoma virus strain Schmidt-Ruppin. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):329-331. Jan. 10, 1966. 505 P21
- 57446 GORDON, W. A. M. Poultry—a\$2 million loss—at least! Agr. Northern Ireland 40(8): 247-249. Dec. 1965. 256.13 Ag82M
Loss from diseases.
- 57447 GRAUBMANN, H. D., GRAFNER, G., and BETKE, P. Pathology of brain in peracute duck coccidiosis. (Ge) Arch. Exp. Veterinarmed. 19(4):1091-1094. Mar. 1, 1966. 41.8 Ex7
- 57448 GREUEL, E. The CELO-virus-infection. (Ge) Deut. Tierarztl. Wochenschr. 73(1):5-10. Ref. Jan. 1, 1966. 41.8 D482
English summary.
- 57449 HAFFEN, K. Intersexuality of the quail: obtention of a case of ovular laying by a genetic male. (Fr) Acad. Sci. Compt. Rend. 261(19): 3876-3879. Nov. 8, 1965. 505 P21
- 57450 HALL, G. The critical age in a layer's life. Poultry Trib. 72(4):18-19. Apr. 1966. 47.8 P8642
- 57451 HAMILTON, O. G. Why buy 16-week-old pullets? Agr. Northern Ireland 40(6):187-188. Oct. 1965. 256.13 Ag82M
For egg production.
- 57452 HANAFUSA, H., and HANAFUSA, T. Analysis of defectiveness of Rous sarcoma virus. IV. Kinetics of RSV production. Virology 28(3): 369-378. Ref. Mar. 1966. 448.8 V81
- 57453 HAREL, L., and others. Isolation of heavy molecular ribonucleic acid from two different strains of Rous sarcoma virus. (Fr) Acad. Sci. Compt. Rend. 261(21):4559-4562. Ref. Nov. 22, 1965. 505 P21
A. Golde, J. Harel, L. Montagnier, and P. Vigier, joint authors.
- 57454 HENK, F. Kidney gout of chicks caused by nutritional vitamin A deficiency. (Ge) Wien. Tierarztl. Monatsschr. 53(3):161-170. Ref. Mar. 1966. 41.8 T345
English summary.
- 57455 HITCHNER, S. B., WINTERFIELD, R. W., and APPLETON, G. S. Infectious bronchitis virus types; incidence in the United States. Avian Dis. 10(1):98-102. Feb. 1966. 41.8 Av5
- 57456 HOFSTAD, M. S., and YODER, H. W. Immunogenicity of Newcastle disease virus preparations inactivated with beta-propiolactone, nitrosoguanidine, ethyl sulfate, or urethane. Avian Dis. 10(1):83-88. Ref. Feb. 1966. 41.8 Av5
- 57457 HOLDSWORTH, C. D., and WILSON, T. H. The development of active sugar and amino acid transport in the yolk sac and intestine of the chicken. J. Physiol. 183(2):63P-65P. Mar. 1966. 447.8 J82
- 57458 HORI, S., TORIUMI, T., and TANABE, A. Studies on the prevention of leucocytozoon infection of the chicken. III-V. (Ja) Okayama. Univ. Fac. Agr. Sci. Rep. 25:31-47. Ref. Mar. 1965. 107.6 Ok12
English summary.
- 57459 HUCHZERMEYER, F. W. A technique for low-temperature freezing in liquid nitrogen of Aegyptianella pullorum in artificial infection of hen. (Ge) Berliner Munchener Tierarztl. Wochenschr. 78(22):433-435. Nov. 15, 1965. 41.8 B45
English summary.
- 57460 HUTCHINS, M. O. The metabolism and excretion of thyroxine and triiodothyronine in chickens. Diss. Abs. 26(3):1734. Sept. 1965. 241.8 M58
- 57461 IHLENBURG, H. Studies on the etiology of "breast blisters" in broilers. (Ge) Monatsh. Veterinarmed. 21(2):54-56. Ref. Jan. 15, 1966. 41.8 M742
English summary.
- 57462 IVANOV, V., and POPOV, C. On the ratio of catalase and of certain respiratory enzymes in various organs of hens. Bulgarska Akad. Nauk Dokl. 18(4):365-367. Ref. 1965. 512 So2
- 57463 IVANOV, X., and others. Electron-microscope proof of virus particles in fowl myelocytomatosis. Bulgarska Akad. Nauk. Dokl. 18(6):593-595. 1965. 512 So2
Z. Mladenov, S. Nedyalkov, and S. Bozhkov, joint authors.
- 57464 JAFFE, W. P., and FECHHEIMER, N. S. The identification of cells during the proliferative phase of spleen enlargement of chick embryos following injection with adult blood. Poultry Sci. 45(2):269-271. Ref. Mar. 1966. 47.8 Am33P
- 57465 JONES, F. Polyribonucleotide synthesis by Coxiella burnetii and chick embryo enzymes. Diss. Abs. 26(8):4177-4178. Feb. 1966. 241.8 M58

- 57466 JONSSON, J., and PALEUS, S. Studies on the antigenic capacity of chicken and bovine cytochrome c. *Int. Arch. Allergy Appl. Immunol.* 29(3):272-277. Ref. Mar.1966. 44.8 In8
- 57467 JORDAN, F. T. W. A review of the literature on infectious laryngotracheitis (ILT). *Avian Dis.* 10(1):1-26. Ref. p.21-26. Feb.1966. 41.8 Av5
- 57468 KACHAKHIDZE, A. V. Simultaneous vaccination against infectious laryngotracheitis and pox in poultry. (Rus) *Veterinariya* 9:38-41. Sept.1965. 41.8 V6426
- 57469 KEILY, S. D., SCHIERMAN, L. W., and NORDSKOG, A. W. Molecular weight differences in chicken isoantibodies. *Soc. Exp. Biol. Med. Proc.* 121(1):137-139. Ref. Jan.1966. 44.9 Sol
- 57470 KELLY, A. The Poultry Health Scheme. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(3):99. Mar.1966. 10 G79J
- 57471 KHANNA, P. N. Studies on cytopathogenic avian enteroviruses. II. Influence of age on virus excretion and incidence of certain serotypes in a colony of chicks. *Avian Dis.* 10(1):27-32. Feb.1966. 41.8 Av5
- 57472 KHASHIMOV, A. U. Viability of the pullorum disease pathogen on the surface of eggs and methods of disinfection. (Rus) *Vsesoyuznyi Nauchno-issledovatel'skii Institut Veterinarnoi Sanitarii. Trudy* 24:141-144. 1964. 41.9 V964T
Abstracted in Ref. *Zh. Biol.* 19(sect.B):48. Oct.1965. 241.7 R25
- 57473 KHERA, S. S., RAO, S. B. V., and AGARWAL, K. K. Avian salmonellosis—an outbreak of egg-peritonitis simulating *Salmonella pullorum* infection caused by *Salmonella stanley*. *Indian J. Vet. Sci. Anim. Husb.* 35(2):126-130. Ref. June 1965. 41.8 In22
- 57474 KIENY, M. The role of mesoderm and ectoderm in the phenomenon which regulates the formation of limb in chick's embryo. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(4):495-498. Jan.24,1966. 505 P21
- 57475 KIRMSE, P. New wild bird hosts for pox viruses. *Wildlife Dis. Ass. Bull.* 2(2):30-33. Ref. Apr.1966. 41.9 W64B
Fowl pox.
- 57476 KNEZEVIC, N., and MARJANOVIC, D. Differential diagnosis of osteomyelosclerosis and osteopetrosis in hens. (Se) *Vet. Glas.* 19(9):731-733. 1965. 41.8 J93
- 57477 KNUDSEN, E. Amidostomiasis and acuariasis in web-footed birds. (Da) *Nord. Veterinaarmed.* 18(1):38-43. Ref. Jan.1966. 41.8 N813
English summary.
- Gizzard worms of ducks and geese.
- 57478 KOBAKHIDZE, T. L. Study of methods of control of poultry pasteurellosis in Georgian SSR. (Geo) *Akad. Nauk Gruz. SSR. Soobshch.* 39(1):173-177. July 1965. 511 Ak146
Russian summary.
- 57479 KOCHER, W. Phases of treatment-specificity of abnormalities of the cartilaginous primordial skeleton caused by triethylenemelamine (TEM) in the later embryonal development of the chick. (Ge) *Z. Naturforsch.* 20b(11):1136-1137. Nov.1965. 474 Z3
- 57480 KOHLER, H. Problems of control of pullorum disease. (Ge) *Wien. Tierarztl. Monatsschr.* 53(3):171-178. Mar.1966. 41.8 T345
English summary.
- 57481 KOTZ, J. Studies on morphology and pathogenesis of poultry poisoning with corncockle. III. The author's studies. (Pol) *Med. Weter.* 21(9):520-524. Sept.1965. 41.8 M463
- 57482 KOTZ, J. Investigations on the morphology and pathogenesis of corncockle poisoning in poultry. IV. (Pol) *Med. Weter.* 21(12):730-734. Ref. Dec.1965. 41.8 M463
- 57483 KOUWENHOVEN, B. The value of various coccidiostats and of some coccidiotherapeutics against a Netherlands strain of *E. acervulina*. *Tijdschr. Diergeneesk.* 91(4):233-248. Ref. Feb.15,1966. 41.8 T431
Poultry.
- 57484 KOZIC, L.J., and DAMJANOVIC, L.J. Epidemic tremor (ET)—avian encephalomyelitis (AE). (Se) *Vet. Glas.* 19(9):703-706. 1965. 41.8 J93
English summary.
- 57485 KOZIC, L.J., MARKOVIC, B., and VISACKI, V. Staphylococcosis on a poultry farm. (Se) *Vet. Glas.* 19(9):711-714. 1965. 41.8 J93
English summary.
- 57486 KRATZER, F. H., and others. Effect of sex hormones on normal and genetically dystrophic chickens. *Amer. J. Physiol.* 210(4):718-720. Ref. Apr.1966. 447.8 Am3
N. Zarghami, T. A. Holliday, and V. S. Asmundson, joint authors.
- 57487 KRAUSS, H. Study on characterization of orphan virus isolated from hens. (Ge) *Arch. Exp. Veterinarmed.* 19(4):1077-1090. Ref. Mar.1,1966. 41.8 Ex7
CELO virus.
- 57488 KUMAZAKI, K., and MATSUO, T. Effect of synthetic estrogen and thiouracil on growing chickens. (Ja) *Saga Univ. Agr. Bull.* 21:83-90. Ref. Oct.1965. 107.6 Sa13
English summary.
- 57489 LEATHEM, W. D. Studies on the behavior of the protozoan parasite *Eimeria tenella* in immune chickens. *Diss. Abs.* 26(9):5605. Mar. 1966. 241.8 M58
- 57490 LEOPOLD, P. G. Ornithosis as occupational disease. (Ge) *Monatsh. Veterinarmed.* 20(23):964-969. Ref. Dec.1,1965. 41.8 M742
In poultry industry.
- 57491 LEVINSON, W., and RUBIN, H. Radiation studies of avian tumor viruses and of Newcastle disease virus. *Virology* 28(4):533-542. Ref. Apr.1966. 448.8 V81
Rous sarcoma.
- 57492 LOSITO, R. Investigations into the presence of a competitive inhibitor (preprothrombin) in the plasma of chicks. *Acta Chem. Scand.* 19(9):2229-2234. 1965. 385 Ac82
- 57493 LÜTHGEN, W., and LUCAS, H. Statistic of pigeons, turkeys, geese and ducks examined between 1949-1963 in the State Veterinary Office [Staatliches Veterinaruntersuchungsamt] in Frankfurt am Main. (Ge) *Tierarztl. Umsch.* 21(2):54-56,59-62. Ref. Feb.1,1966. 41.8 T445
Causes of mortalities.
- 57494 LYABIN, B. YA., VINOKHOV, O. V., and LYABINA, L. M. Etiology of infectious conjunctivitis in chickens. (Rus) *Veterinariya* 9:35-38. Sept.1965. 41.8 V6426
Tissue cultures of the virus.
- 57495 MALHOTRA, R. K., and CLAYTON, J. T. Surface temperature distributions of a chicken subjected to several environmental temperatures. *Amer. Soc. Agr. Eng. Pap.* 413,11 p. 1965. 290.9 Am32P
- 57496 MANUEL, M. F., and TALENS, E. Posthar-mostomum gallinum, Witenberg, 1923, a hitherto unreported species of chicken trematode in the Philippines. *Ceylon Vet. J.* 13(3):80-81. Sept.1965. 41.8 C33
A cecal fluke.
- 57497 MARTHEDAL, H. E. Disease-free zones. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(8):338-350. Apr.15,1966. 41.9 D23
Poultry production.
- 57498 MARTIN, W. G., and PATRICK, H. The incorporation of $S^{35}O_4$ into bile of chicks. *Soc. Exp. Biol. Med. Proc.* 121(2):414-417. Feb.1966. 442.9 Sol

- 57499 MCFARLAND, L. Z., YOUSEF, M. K., and WILSON, W. O. The influence of ambient temperature and hypothalamic lesions on the disappearance rates of thyroxine-131 in the Japanese quail. *Life Sci.* 5(4):309-315. Ref. Feb. 1966. 442.8 L62
- 57500 MCGINNIS, C. H., and RINGER, R. K. Carotid sinus reflex in the chicken. *Poultry Sci.* 45(2):402-404. Mar.1966. 47.8 Am33P
Effect on heart beat.
- 57501 MENTZER, T. L. Comparison of three methods for obtaining psychophysical thresholds from the pigeon. *J. Compar Physiol. Psychol.* 61(1):96-101. Ref. Feb.1966. 410 J822
- 57502 MIKLOVICH, MRS. K. CS. M., and NYIREDY, I. Bacteriological characterization of the etiological agent of goose influenza. (Hu) *Magyar Allatorv. Lapja* 21(1):16-18. Ref. Jan.1966. 41.8 V644
English summary.
Identified as *Haemophilus anserisepticus*.
- 57503 MONGIN, P., and LACASSAGNE, L. Physiology of the egg shell formation of poultry and the pulmonary ventilation. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4228-4229. Nov.15, 1965. 505 P21
- 57504 MULLER, H. D., and MORENG, R. E. Growth and reproductive potential of the domestic fowl after embryonic X-radiation. *Poultry Sci.* 45(2):336-345. Ref. Mar.1966. 47.8 Am33P
- 57505 MULLER, H. D. Physiology responses and implications of their genetic transmission after embryonic X-irradiation of the domestic fowl. *Diss. Abs.* 26(9):5516. Mar.1966. 241.8 M58
- 57506 MUNRO, S. S. Are monovular avian twins always female? *J. Hered.* 56(6):285-288. Ref. Nov./Dec.1965. 442.8 Am3
- 57507 NATH, V., DUTTA, G. P., and SAGAR, O. Phase-contrast microscope studies on *Eimeria tenella*. *Panjab Univ. Res. Bull. (n.s.)* 16(1/2):151-157. Ref. June 1965. 513 Ea72
Isolated from chicks.
- 57508 NEDYALKOV, S. Susceptibility of turkey-poults to two avian leucosis strains. *Bulgarska Akad. Nauk. Dokl.* 18(6):577-580. Ref. 1965. 512 So2
- 57509 OBIBUAKU, L. O. The effects of furadroxyl and furazolidone on the performance of laying hens. *Diss. Abs.* 26(9):4929. Mar.1966. 241.8 M58
- 57510 O'CONNELL, C. J., and MILGROM, F. Studies on hemagglutination of NDV. *Soc. Exp. Biol. Med. Proc.* 121(2):433-438. Ref. Feb.1966. 442.9 So1
- 57511 OKSCHE, A., and VAUPEL-VON HARNACK, M. Rudimentary sense organ structures in the pineal organ of the chick. (Ge) *Naturwissenschaften* 52(24):662-663. Dec.15,1965. 474 N213
- 57512 ONO, H. Health and sanitation of broiler chickens. (Ja) *Jap. Vet. Med. Ass. J.* 18(12):693-697. 1965. 41.9 J275
- 57513 OWEN, J. J. T. Karyotype studies on *Gallus domesticus*. *Chromosoma* 16(5):601-608. Ref. 1965. 442.8 C46
Chick embryos.
- 57514 PARTSKHALADZE, N. N. Gas metabolism of developing chick embryo under normal conditions and after irradiation with X-rays. (Rus) *Akad. Nauk Gruz. SSR. Soobshch.* 39(1):207-211. July 1965. 511 Ak146
- 57515 PASTEA, E., and others. Contribution to the study of the dynamics of the upper portions of the digestive tract and stomach of poultry. (Fr) *Rec. Med. Vet.* 142(3):185-200. Ref. Mar.1966. 41.8 R24
A. Nicolau, V. Popa, and I. Rosca, joint authors.
-English summary.
- 57516 PATTERSON, W. C. Environmental research related to poultry health problems. *Amer. Soc. Agr. Eng. Pap.* 410,11 p. Ref.,p.10-11. 1965. 290.9 Am32P
- 57517 PAUKOVIC, C. Infectious bronchitis of chickens in Yugoslavia. (Se) *Vet. Glas.* 19(9):701-702. 1965. 41.8 J93
English summary.
- 57518 PAUNOVIC, S., VUKICEVIC, Z., and KALINIC, B. Blood picture in fattening geese. (Se) *Vet. Glas.* 19(9):735-736. 1965. 41.8 J93
- 57519 PAUNOVIC, S., and LITRICIN, V. Perosis in goslings caused by high calcium content in feeds. (Se) *Vet. Glas.* 19(9):727-729. 1965. 41.8 J93
English summary.
- 57520 PELCZYNSKA, E., and SLUZEWSKI, R. Investigations on the occurrence of antibiotics, administered to chickens for therapeutic and nutritional purposes, in eggs. (Pol) *Med. Weter.* 21(12):720-722. Ref. Dec.1965. 41.8 M463
English summary.
- 57521 PETROCHENKO, V. I., and KIREEV, N. A. Development cycle of the turkey tapeworm *Raillietina (Skrjabinia) caucasica* nov. sp. (Rus) *Akad. Nauk SSSR. Dokl.* 166(6):1491-1493. 1966. 511 P444A
- 57522 PFLUGFELDER, O. A peculiar case of egg bound in poultry. (Ge) *Aschaffenburg. Naturwiss. Mus. Nachr.* 72:39-44. Aug.1965. 409.6 As2
- 57523 PIERCE, D. The effects of avian pituitary hormone and insulin in chickens and chick embryos, with emphasis on growth, tissue carbohydrates and O₂ uptake. *Diss. Abs.* 26(9):5518. Mar.1966. 241.8 M58
- 57524 PODGORNOVA, G. P., and SOLOV'eva, P. I. The influence of nematodes on the provision of glycogen in the liver of chicks. (Rus) *Akad. Nauk SSSR. Dokl.* 166(2):502-504. Ref. 1966. 511 P444A
Ascaridia galli and *Heterakis gallinarum*.
- 57525 POWELL, C. J., and FINKELSTEIN, R. A. Virulence of *Escherichia coli* strains for chick embryos. *J. Bacteriol.* 91(4):1410-1417. Ref. Apr.1966. 448.3 J82
- 57526 PRICE, D. J., SMITH, A. D., and TESKEY, R. B. A sex-linked respiratory defect in chickens. *Poultry Sci.* 45(2):423-424. Mar.1966. 47.8 Am33P
- 57527 PRINCE, R. P., and others. Growth response of healthy and diseased chickens to various environments. *Amer. Soc. Agr. Eng. Pap.* 414, 9 p. Ref. 1965. 290.9 Am32P
W. C. Wheeler, J. H. Whitaker, R. E. Luginbuhl, and L. D. Matterson, joint authors.
Temperature and humidity.
- 57528 PROCHAZKA, Z. The effect of some wood preservatives on the health of chicks and hens. *Brno. Vyzkumn. Ustav Vet. Ved. Prace* 4:185-190. Ref. 1965. 41.9 B833
- 57529 PURCHASE, H. G., CUNNINGHAM, C. H., and BURMESTER, B. R. Identification and epidemiology of infectious bronchitis in a closed flock. *Avian Dis.* 10(1):111-121. Ref. Feb. 1966. 41.8 Av5
- 57530 RAY, W. H. A study of the absorption of salicylic acid from the chicken crop. *Diss. Abs.* 26(3):1694-1695. Sept.1965. 241.8 M58
- 57531 REID, W. M. Coccidiosis control. *Farm Technol.* 21(8):44-45. Sept.1965. 275.28 N213
In poultry.
- 57532 REHN, F., and SOBELAVSKY, O. Demonstration of ornithosis in wild birds. *J. Hyg. Epidemiol. Microbiol. Immunol.* 9(4):483-486. Ref. 1965. 448.8 J826
Transmission to domestic ducks.

- 57533 RICHTER, S. Inguvial capillariosis in hens. (Se) Vet. Glas. 19(9):707-709. 1965. 41.8 J93 English summary.
- 57534 RIEMANN, H. Poultry inspection—in a different manner. (Da) Danske Dyrægefor. Medlemsbl. 49(4):155-157. Feb.15,1966. 41.9 D23
- 57535 ROMIJN, C., and LOKHORST, W. Embryonic respiration in fowl under simulated high altitude conditions. Acta Physiol. Pharmacol. Neer. 13(4):487. Feb.1966. 448.8 Ac83
- 57536 ROSE, D., GRIDGEMAN, N. T., and FLETCHER, D. A. Solids contents of eggs. Poultry Sci. 45(2):221-226. Mar.1966. 47.8 Am33P Effect of age of hen and genetic factors.
- 57537 RUSOV, C., and MLADENOVIC, Z. Hematocrit value in the diagnosis of poultry diseases. (Se) Vet. Glas. 19(9):715-719. Ref. 1965. 41.8 J93 English summary.
- 57538 RUSSEFF, C., MATEVA, V., and WASSILEWA, L. The interfering activity of ultraviolet irradiated Newcastle disease virus. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 198(4):391-404. Ref. 1965. 448.3 C33 English summary.
- 57539 SACKKEY, F. M. A. Poultry disease control and prevention. Ghana Farmer 8(3):95. Aug.1964. 24 G564
- 57540 SADLER, C. R. The importance of the bursa of Fabricius in resistance to disease. Diss. Abs. 26(3):1737. Sept.1965. 241.8 M58
- 57541 SALVATORELLI, G. Observations on hematopoiesis in vitro in the embryonal bone marrow of chicken. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):666-668. Feb.7,1966. 505 P21
- 57542 SANGER, V. L., and LAGACE, A. Avian xanthomatosis, etiology and pathogenesis. Avian Dis. 10(1):103-111. Ref. Feb.1966. 41.8 Av5
- 57543 SAUVEUR, B. Physiology of laying and sexual maturity. (Fr) Rev. Elevage 39(spec.no.):37-38,41-42,44-45. 1966. 49 B462
- 57544 SAVVATEEVA, I. A. Studies on the life cycle of Capillaria bursata, Freitas et Almeida, 1934. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 40(3):709-712. Dec.1965. 511 Ak146 In poultry.
- 57545 SCHEIB, D. The regression of Muller's canal in male chick embryo; localisation of phosphatase acid with electron microscopy. (Fr) Acad. Sci. Compt. Rend. 261(23):5219-5221. Dec.8,1965. 505 P21
- 57546 SCHRODER, K. Zum Nachweis ostrogenwirksamer Rückstände in chemisch kapaunisierten Schlachthähnen [Determination of estrogenic residues in chemically caponized slaughter cockerel]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 21,58 p. 1965. 41.2 M9222 Bibliography, p.47-58.
- 57547 SCUPIN, E., and SANDER, H. Contribution to combat of capillariasis in pigeons with methyridine. (Ge) Berliner Münchener Tierarztl. Wochensh. 78(22):435-436. Nov.15,1965. 41.8 B45 English summary.
- 57548 SCUPIN, E. The treatment of coccidiosis in pigeons with amprolium. (Ge) Deut. Tierarztl. Wochensh. 73(2):35-37. Jan.15,1966. 41.8 D482 English summary.
- 57549 SHEMAKOVA, G. F., and AGEIEVA, L. S. Purification of fowl pox virus. (Rus) Gosudarstvennyi Nauchno-kontrol'nyi Institut Veterinarnykh Preparatov. Trudy 12:45-47. 1964. 41.9 Un39 Abstracted in Ref. Zh. Biol. 19(sect.B):16. Oct.1965. 241.7 R25
- 57550 SHERMAN, I. W. In vitro studies of factors affecting penetration of duck erythrocytes by avian malaria (Plasmodium lophurae). J. Parasitol. 52(1):17-22. Ref. Feb.1966. 448.8 J824
- 57551 SHUTE, M., and SHANKLIN, M. D. Sensible and latent heat losses of chickens from hatch through twenty-four days of age. Amer. Soc. Agr. Eng. Pap. 412,17 p. Ref. 1965. 290.9 Am32P
- 57552 SIMITCH, T., and others. Experimental infection of the pigeon by mouth with the vegetative and cystic forms of Toxoplasma gondii. (Fr) Acad. Vet. France. Bull. (n.s.)38(8):333-336. Ref. Oct.1965. 41.9 R24 A. Bordjochki, Z. Savin, and Z. Mikovitch, joint authors.
- 57553 SIMKOVIC, D., and others. Transformation of duck embryo cells in vitro by avian tumour virus B77. Folia Biol. [Praha] 12(1):18-21. Ref. 1966. 442.8 F712 N. Valentova, V. Smidova, and V. Thurzo, joint authors.
- 57554 SIMONS, P. C. M. Formation of the hen's egg shell. (Du) Veeteelt Zuivelber. 8(10):426-434. Ref. Oct.1965. 49 V51
- 57555 SIMPSON, C. F., HARMS, R. H., and KLING, J. M. Relationship of dietary sodium chloride to aortic ruptures in turkeys induced by diethylstilbestrol. Soc. Exp. Biol. Med. Proc. 121(2):633-634. Ref. Feb.1966. 442.9 S01
- 57556 SMIT, T. Chronic respiratory disease in poultry. (Du) Tijdschr. Diergeneesk. 91(7):451-461. Ref. Apr.1,1966. 41.8 T431 English summary. Causes and treatment.
- 57557 SMITH, C. J. The role of the central nervous system in the feather release mechanism of young chickens. Diss. Abs. 26(9):5610. Mar. 1966. 241.8 M58
- 57558 SMITH, W. M. Eradicate or vaccinate? Only research can tell. Broiler Indus. 29(4):98-99. Apr.1966. 47.8 N45 Mycoplasmosis control.
- 57559 SOLOMON, J. J., REAMER, R., and OKAZAKI, W. Artifacts induced by potassium citrate in chick embryo cells resembling Rous sarcoma virus foci. Avian Dis. 10(1):94-97. Feb.1966. 41.8 Av5
- 57560 SOLOVYOV, V. D., and others. Multiplication of virulent and avirulent strains of Newcastle disease virus and interferon production in susceptible animals. Acta Virol. 10(2):104-110. Ref. Mar.1966. 448.3 Ac85 L. M. Mentkevich, T. G. Orlova, and Yu. N. Tatarinova, joint authors.
- 57561 STARCHER, B. C. Investigations of copper metabolism in chickens. Diss. Abs. 26(8):4220. Feb.1966. 241.8 M58
- 57562 STASKO, J. Study of the inheritance of femoral and thoracic muscles and other indices of 56 days-old ducks. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(11):837-842. Nov. 1965. 49.9 C33 English summary.
- 57563 STEARNER, S. P., TYLER, S. A., and SANDERSON, M. H. Evidence of "over-recovery" in the irradiated chick. Radiat. Res. 27(4):727-732. Apr.1966. 334.8 R11 Radioactive cobalt.
- 57564 SUNDE, M. L. A new technique for studying calcium metabolism. Distill. Feed Res. Council. Conf. Proc. 21:52-57. Mar.9,1966. 389.79 C765 Poultry.
- 57565 TELLO, M. P. Avian coccidiosis, prevention and treatment. (Por) Gaz. Agr. [Lourenco Marques] 17(197):302-304. Oct.1965. 24 G25
- 57566 TELLO, M. P. Domestic poultry and parasitism. (Por) Gaz. Agr. [Lourenco Marques] 17(190):80-86. Mar.1965. 24 G25
- 57567 TEMPEL, K., and ZIPF, K. Deoxyribonucleases of fowl embryo. (Ge) Berliner Münchener Tierarztl. Wochensh. 79(2):28-33. Ref. Jan.15,1966. 41.8 B45 English summary.

- 57568 THIRY, L. Viruses grown in the presence of base analogs: specific alteration of susceptibility to inactivation by radiations, mutagens, and protodyes. *Virology* 28(4):543-544. Ref. Apr.1966. 448.8 V81
Newcastle disease and Western equine encephalomyelitis viruses.
- 57569 THOMAS, L., DAVIDSON, M., and MCCLUSKEY, R. T. Studies of PPLO infection. I. The production of cerebral polyarteritis by *Mycoplasma gallisepticum* in turkeys; the neurotoxic property of the *Mycoplasma*. *J. Exp. Med.* 123(5):897-912. Ref. May 1, 1966. 448.8 J822
- 57570 TIXIER-VIDAL, A., BAYLE, J. D., and ASSENMACHER, I. Ultrastructural cytologic study of pigeon hypophysis after ectopic autografting: stimulation of cellules to prolactin is absent. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(6): 675-678. Ref. Feb.7, 1966. 505 P21
- 57571 TOTH, I., and VEGH, E. Practical observations concerning so called "wattle disease" of poultry. (Hu) *Magyar Allatorv. Lapja* 21(2): 87-89. Feb.1966. 41.8 V644
English summary.
- 57572 TOURNUT, J., and ESPINASSE, J. Concerning the congenital infectious diseases of poultry—particulars, prophylactic consequences. (Fr) *Rev. Med. Vet. [Toulouse]* 116(5):329-346. May 1965. 41.8 R32
English summary.
- 57573 TRUSCOTT, R. B., and STOCKDALE, P. H. G. Correlation of the identity of bile and cecal vibrios from the same field cases of avian vibronic hepatitis. *Avian Dis.* 10(1):67-73. Ref. Feb.1966. 41.8 Av5
- 57574 TUGWELL, R. L., and SIMPSON, R. D. The treatment of pullorum disease with drugs and amino acids. *Tenn. Farm Home Sci. Progr. Rep.* 56:6-7. Oct./Dec.1965. 100 T25F
- 57575 TZIANABOS, T. Turkey hepatitis virus: some clinical, immunological, and physiochemical properties. *Diss. Abs.* 26(8):4179-4180. Feb. 1966. 241.8 M58
- 57576 VADLAMUDI, S., and HANSON, R. P. Invasion of the brain of chicken by Newcastle disease virus. *Avian Dis.* 10(1):122-127. Ref. Feb. 1966. 41.8 Av5
- 57577 VASIC, N., ERCEGOVAC, D., and VASIC, B. Immunogenic properties of NDV "Mukteswar" strain grown on culture of chicken embryo fibroblasts. I-II. (Se) *Vet. Glas.* 19(9):677-681, 683-687. Ref. 1965. 41.8 J93
English summary.
- 57578 VASINA, S. G. Tissue or exoerythrocyte stages of *Plasmodium gallinaceum* in eye membranes of chick embryos. (Rus) In *Problemy meditsinskoi parazitologii i profilaktiki infektsii* 1964:287-294. Ref. (Not in Libr.)
Abstracted in *Ref. Zh. Biol.* 19(sect.K):16. Oct.1965. 241.7 R25
- 57579 VAUGHAN, R. W. Studies on the galactose loci of *Salmonella pullorum*. *Diss. Abs.* 26(8):4190. Feb.1966. 241.8 M58
- 57580 VIRGINIA POLYTECHNIC INSTITUTE, AGRICULTURAL EXTENSION SERV. Recommendations to reduce losses from leukosis. *Va. Polytech. Inst. Ext. Leaf.* 219,4 p. Mar.1966. 275.29 V81L
- 57581 WALLBANK, A. M., and STUBBS, E. L. Studies of avian sarcoma and erythroblastosis (strain 13). V. Effect of chick age and weight on susceptibility to the virus. *Avian Dis.* 10(1):73-82. Ref. Feb.1966. 41.8 Av5
- 57582 WASSILEWA, L. The estimation of the nucleic acid content of cells infected with Newcastle virus. (Ge) *Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 198(4):405-412. Ref. 1965. 448.3 C33
English summary.
- 57583 WEBLING, D. D'. The site of absorption of taurocholate in chicks, using polyethylene glycol as a reference substance. *Australian J. Exp. Biol. Med. Sci.* 44(1):101-104. Feb.1966. 442.8 Au7
- 57584 WEINER, I. Prevention and control of fowl cholera on big duck plants. (Hu) *Magyar Allatorv. Lapja* 21(2):83-86. Ref. Feb.1966. 41.8 V644
English summary.
- 57585 WELLER, E. M. Embryo-specific serum proteins in the chick. *Tex. Rep. Biol. Med.* 24(1): 164-172. Ref. Spring 1966. 448.8 T31
- 57586 WENIGER, J. P. Estrogen activity of estrone-estradiol fractions of culture media incubated with female chick embryo gonads. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(5):578-580. Jan.31, 1966. 505 P21
- 57587 WILLEMART, J. P. Transitory paralysis and atypical encephalomyelitis of poultry—preliminary note. (Fr) *Rec. Med. Vet.* 142(3):201-204. Mar.1966. 41.8 R24
English summary.
- 57588 WINTER, W. P. The nature of the inherited protein defect in avian riboflavinuria. *Diss. Abs.* 26(8):4222-4223. Feb.1966. 241.8 M58
- 57589 WITTER, R. L., CALNEK, B. W., and LEVINE, P. P. Influence of naturally occurring parental antibody on visceral lymphomatosis virus infection in chickens. *Avian Dis.* 10(1): 43-56. Ref. Feb.1966. 41.8 Av5
- 57590 WITTER, R. L., CALNEK, B. W., and LEVINE, P. P. Occurrence of lymphomatosis in chickens free of resistance-inducing factor (RIF) virus. *Avian Dis.* 10(1):32-42. Ref. Feb.1966. 41.8 Av5
- 57591 YAMAMOTO, R., and BIGLAND, C. H. Infectivity of *Mycoplasma meleagridis* for turkey embryos. *Amer. J. Vet. Res.* 27(116):326-330. Ref. Jan.1966. 41.8 Am3A
- 57592 YOSHIMURA, S., ODAGIRI, Y., and TOMO, Y. Survey of infectious bronchitis-neutralizing antibody of chickens in Osaka Prefecture and its neighborhood. (Ja) *Jap. Vet. Med. Ass. J.* 18(8):31-33, map. Ref. 1965. 41.9 J275
English summary.
- 57593 YOSHIMURA, S., and others. A survey on occurrence of infectious laryngotracheitis among chickens in Osaka Prefecture and its neighborhood. (Ja) *Jap. Vet. Med. Ass. J.* 18(11):31-34. Ref. 1965. 41.9 J275
Y. Odagiri, and Y. Tomo, joint authors.
English summary.
- 57594 ZAJICEK, D. The effect of some disinfectants and drugs on the invading larvae of *Amidostomum anseris* in vitro. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedecko-tech. Inform. Vet. Med.* 38(7):405-412. Ref. July 1965. 41.9 C333
English summary.
Gizzard worm of geese.
- 57595 ZELJKO, M. Vaccination against Newcastle disease using LaSota strain in drinking water. (Se) *Vet. Glas.* 19(9):669-672. 1965. 41.8 J93
English summary.
- 57596 ZHANTIEVA, E. M., KILISENKO, G. A., and STAKHANOVA, V. M. Comparative study of synthesis of virus nucleic components in real and false fowl cholera. (Rus) *Akademiya Medicinskikh Nauk. Institut Virusologii. Nauchnaya Sesiya. Materialy* 8(1):7-8. 1964. (Not in Libr.)
Cited in *Ref. Zh. Biol.* 21(sect.B):12. Nov. 1965. 241.7 R25

Miscellaneous

- 57597 ABROSKIN, V. V. Controlled development of sex in incubated chicks. (Rus) *Zhivotnovodstvo* 3:85-86. Mar.1966. 49 Z6

- 57598 ASH, W. J. Raising ducks. U. S. D. A. Farmers' Bull. 2215, 14 p. Mar. 1965. 1 Ag84F
- 57599 BINGHAM, A. N. Poultry—random sample laying tests. Agr. Northern Ireland 40(2):54-56. June 1965. 256.13 Ag82M
- 57600 BÖRGOLI, E. Influence of the factor of light on sexual maturity of pullets and on the egg production of layers. (It) Agr. Italia 11(5):65, 67, 69-74. May 1965. 16 Ag8232
- 57601 CANEVARI, A. The pheasant—techniques of raising. (It) Riv. Zootec. 39(1):45-48. Jan. 1966. 49 R52
- 57602 DAPORTA, M. R., BASHEROV, S., and CHAP-EL, A. G. Systems of management for egg production in Puerto Rico: a comparative evaluation of individual cages and several floor practices. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 194, 28 p. July 1965. 100 P83
- 57603 DAVIS, D. How to get the most from your serviceman. Poultry Trib. 72(4):70. Apr. 1966. 47.8 P8642
- 57604 ENCKEVORT, J. W. F. VAN. Floor space for hens. (Du) Veeteelt Zuivelber. 8(12):530-536. Dec. 1965. 49 V51
In relation to behavior.
- 57605 FRACANZANI, C. Raising guinea fowl. (It) Riv. Zootec. 39(1):40-44. Jan. 1966. 49 R52
In Italy.
- 57606 GIPPERT, T., and SZEP, I. The effect of different bedding materials on the microclimate of raising houses for chicken. (Hu) Magyar Allatorv. Lapja 21(3):106-112. Ref. Mar. 1966. 41.8 V644
English summary.
- 57607 GREAT BRITAIN, MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Lighting for egg production. Great Brit. Min. Agr. Fish. Food. Adv. Leaf. 540, rev., 7 p. Jan. 1966. 10 G79La
- 57608 HOIE, J. Should chickens and hens be kept in battery or in bins? (No) Norsk Landbruk 19:16-17, 28. (Cont.) Sept. 24, 1965. 11 N8122
- 57609 HOIE, J. Should chickens and hens be kept in battery or in bins? (No) Norsk Landbruk 20:18-19, 22-23. (Cont.) Oct. 8, 1965. 11 N8122
- 57610 EL-IBIARY, H. M., SHAFFNER, C. S., and GODFREY, E. F. Hatchability of eggs set small end up. Poultry Sci. 45(2):419-420. Mar. 1966. 47.8 Am33P
- 57611 IOWA POULTRY ASSOCIATION, NATIONAL PLANS DIV. Eighth Iowa multiple unit poultry test (1964-1965). n.p., 1965. 14 p. 47.9 Io922
Iowa State University, Poultry Department, and United States Department of Agriculture, Agricultural Research Service, cooperating.
- 57612 IVANOV, K. From the wild hen to the poultry factory. (Bu) Priroda [Sofia] 13(6):105-107. Nov./Dec. 1964. 410 P934
- 57613 JENSEN, J. F. Effects of environment on the production of broilers. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:72-76. 1965. 33.11 AL7
- 57614 JONSSON, E. Broiler production in Sweden. (Sw) Fjorfe 83(3):55-57. Mar. 1966. 47.8 T432
- 57615 JONSSON, E. Ljusets inverkan på honsens äggproduktion [Influence of light on egg production of hens]. Uppsala. Lantbrukshögsk. Aktuellt Landbrukshögsk. 84, 26 p. Ref. 1966. 11 Up62A
- 57616 KÖK, H. G., and VISSER, A. L. W. Raising poultry for meat production. (Du) Veeteelt Zuivelber. 8(7/8):322-331. July/Aug. 1965. 49 V51
- 57617 KOTULA, A. W., and HELBACKA, N. V. Blood retained by chicken carcasses and cut-up parts as influenced by slaughter method. Poultry Sci. 45(2):404-410. Ref. Mar. 1966. 47.8 Am33P
- 57618 LANDSUDVALGET FOR FJERKRAEAVLEN. Fortegnelse over rugerier underkastet Landsudvalget for Fjerkræavlens Rugeritilsyn [List of hatcheries supervised by the hatchery inspection service of the Poultry Breeding Committee]. København, 1965. 67 p. 47.9 D41F
- 57619 MACPHERSON, J. F. Pointers to efficient egg production. Scot. Agr. 45(1):44-47. Winter 1965/66. 10 Sco82So
- 57620 MARTIN, G. A., MILLS, W. C., and HARRIS, J. R. North Carolina started pullets. N. C. Univ. Ext. Circ. 467, 6 p.-folder. Jan. 1966. 275.29 N811
- 57621 MCBRIDE, G. The conflict of crowding. Discovery 27(4):16-19. Apr. 1966. 472 D63
Study of poultry, with lessons for animal husbandry.
- 57622 MCLEAN, E. Light patterns for growing birds. Agr. Northern Ireland 40(9):279-281. Jan. 1966. 256.13 Ag82M
For egg production.
- 57623 MORVAI, I. Situation of our goose production and our tasks. (Hu) Baromfitenyestés 10(3):3. Mar. 1966. 47.8 B262
- 57624 NOGUES, J. The raising of future layers of market eggs. (Fr) Rev. Elevage 39(spec.no.): 83-84, 87-88, 91. 1966. 49 B462
Chick and pullet care.
- 57625 ORBAN, MRS. A. Development of poultry hatching during the period of the second Five-Year Plan. (Hu) Baromfitenyestés 10(2):14-15. Feb. 1966. 47.8 B262
- 57626 ORBAN, MRS. A. Some timely problems of hatching. (Hu) Baromfitenyestés 10(3):12-13. Mar. 1966. 47.8 B262
- 57627 PARSHUTIN, G. V., RUMYANTSEVA, E. YU., and NOVIKOVA, A. N. Sex regulation in chicks. (Rus) Zhivotnovodstvo 3:79-85. Mar. 1966. 49 Z6
- 57628 PETERSEN, V. E. Light for live chicks and layers. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:68-72. 1965. 33.11 AL7
- 57629 PETERSEN, V. E. When egg laying starts. (Da) Landbonyt 19(9):333-335. Sept. 1965. 11 L2322
Care and feeding of poultry.
- 57630 PICCIONI, M. The turkey on abandoned farms. (It) Avvenire Agr. 73(5):118-120. May 1965. 16 Av9
Care and feeding.
- 57631 POLT, J. M., and HESS, E. H. Effects of social experience on the following response in chicks. J. Compar. Physiol. Psychol. 61(2): 268-270. Ref. Apr. 1966. 410 J822
- 57632 ROF CODINA, J. Progress in poultry raising. (Sp) Cult. Mod. 48(6):207-208. June 1965. 15 C89
- 57633 SCHUTZE, J. V. Recent developments in lighting programs. Feedstuffs 38(14):26, 30, 32, 62. Apr. 9, 1966. 286.81 F322
Effects on breeding and egg production.
- 57634 STADELMAN, W. J. Keep closer eye on catchers and loaders. Broiler Indus. 29(3):68, 70. Mar. 1966. 47.8 N45
Handling live birds.
- 57635 SYMPOSIUM ON INTENSIVE LIVESTOCK HUSBANDRY. A report of a meeting held by the Technical Development Committee of the British Veterinary Association. I. Poultry production. Vet. Rec. 78(15):523-526. Apr. 9, 1966. 41.8 V641
- 57636 SZECSENYI, I. Health condition in goose rearing. (Hu) Baromfitenyestés 10(3):10-11. Mar. 1966. 47.8 B262
Sanitation, chiefly.
- 57637 SZOLLOSI, MRS. J. Hatching of duck eggs. (Hu) Baromfitenyestés 10(2):12-13. Feb. 1966. 47.8 B262

- 57638 VAGO, J. The development of industrial poultry rearing during the fulfillment of the second Five-Year Plan. (Hu) Baromfitenyesztes 10 (3):4-5. Mar.1966. 47.8 B262
- 57639 WARREN, R. Cage boom comes to New England brown egg producers. Poultry Trib. 72 (5):19-20,54. May 1966. 47.8 P8642

RABBITS

Breeds and Breeding

- 57640 AMANN, R. P., KOEFOED-JOHNSEN, H. H., and LEVI, H. Excretion pattern of labelled spermatozoa and the timing of spermatozoa formation and epididymal transit in rabbits injected with thymidine-³H. J. Reprod. Fertil. 10(2):169-183. Ref. Oct.1965. 442.8 J8222
- 57641 GRUNDER, A. A., SARTORE, G., and STORMONT, C. Genetic variation in red cell esterases of rabbits. Genetics 52(6):1345-1353. Ref. Dec.1965. 442.8 G28
- 57642 HODSON, N. Sympathetic nerves and reproductive organs in the male rabbit. J. Reprod. Fertil. 10(2):209-220. Ref. Oct.1965. 442.8 J8222
- 57643 KIRTON, K. T., DESJARDINS, C., and HAFS, H. D. Levels of some normal constituents of rabbit semen during repetitive ejaculation. Fertil. Steril. 17(2):204-211. Ref. Mar./Apr. 1966. 448.8 F41
- 57644 MERCZ, A. Champagne d'Argent rabbit. (Hu) Baromfitenyesztes 10(2):29. Feb.1966. 47.8 B262
- 57645 ORGEBIN-CRIST, M. C. Passage of spermatozoa labelled with thymidine-³H through the ductus epididymidis of the rabbit. J. Reprod. Fertil. 10(2):241-251. Ref. Oct.1965. 442.8 J8222
- 57646 SZOLLOSI, D. Time and duration of DNA synthesis in rabbit eggs after sperm penetration. Anat. Rec. 154(2):209-212. Ref. Feb.1966. 447.8 A1
- 57647 TELLO, M. P. The domestic rabbit, its breeding and management. (Por) Gaz. Agr. [Lourenco Marques] 17(197):298-301. (Cont.) Oct.1965. 24 G25

Feeds and Feeding

- 57648 CASADY, R. B. Supplemental vitamin E in rabbit diets. Amer. Small Stock Farmer 50(6):11. Mar.1966. 48.8 J82
- 57649 CHAPIN, R. E. Investigations on the calcium nutrition of the domestic rabbit. Diss. Abs. 26 (9):4924-4925. Mar.1966. 241.8 M58
- 57650 CHOLNOKY, E., and GYORFFY, GY. Comparative study with pressed rabbit feed. (Hu) Baromfitenyesztes 10(2):26. Feb.1966. 47.8 B262
- 57651 TAMIMIE, H. S. The effect of potassium permanganate on the daily water and feed consumption of rabbits (a pilot study). Vet. Med./Small Anim. Clin. 61(1):48-50. Jan.1966. 41.8 M69

Veterinary Medicine

- 57652 BECKER, C. H., and RAHN, H. W. Blood histamine and leucocyte count in rabbits infected with Aujeszky's disease. (Ge) Arch. Exp. Veterinarmed. 19(4):1111-1119. Ref. Mar.1, 1966. 41.8 Ex7
- 57653 BELLANGEON, M. Recherches sur la bradycardie reflexe chez le lapin [Research on the bradycardic reflex in the rabbit]. Lyon, Ecole Nat. Vet. These 5,61 p. Ref. 1965. 41.2 L99
- 57654 BERGMAN, S., FORSGREN, A., and SWAHN, B. Effect of normally occurring rabbit antibodies on fluorescent-antibody reactions. J. Bacteriol. 91(4):1664-1665. Apr.1966. 448.3 J82
- 57655 BOWER, E. A. The activity of post-ganglionic sympathetic nerves to the uterus of the rabbit. J. Physiol. 183(3):748-767. Ref. Apr.1966. 447.8 J82
- 57656 BOWER, E. A. The characteristics of spontaneous and evoked action potentials recorded from the rabbit's uterine nerves. J. Physiol. 183(3):730-747. Ref. Apr.1966. 447.8 J82
- 57657 CHANG, M. C., and HARPER, M. J. K. Effects of ethinyl estradiol on egg transport and development in the rabbit. Endocrinology 78(4):860-872. Ref. Apr.1966. 448.8 En2
- 57658 DU BOULAY, G., and FIENNES, R. N. Blood flow in the inferior vena cava of the rabbit. J. Physiol. 183(2):59P-61P. Mar.1966. 447.8 J82
- 57659 DUCAN, J. C. G., and WATON, N. G. Formation and uptake of ¹⁴C histamine by rabbit tissues. J. Physiol. 183(1):48P-49P. Mar. 1966. 447.8 J82
- 57660 GERLINGS, E. D., and BOUMAN, L. N. The influence of vagal stimulation on the contraction force of the left and right ventricles in the rabbit heart. Acta Physiol. Pharmacol. Neer. 13(4):497-498. Feb.1966. 448.8 Ac83
- 57661 HAGEN, K. W., and LUND, E. E. Common diseases of domestic rabbits. Wyo. Univ. Ext. [4-H Club. Circ.] Ra-5:12-17. Nov.1965. 275.29 W99Fc
- 57662 KUHLMANN, W. Die Strahlenempfindlichkeit bestimmter Oozyten-Meiosephasen und die chromosomalen Verhältnisse beim Kaninchen Oryctolagus cuniculus [Radiation sensitivity of certain oocyte-meiosis phases and the chromosomal relations in the rabbit Oryctolagus cuniculus]. Mainz, 1965. 56 p. Ref. (Akademie der Wissenschaften und der Literatur. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen, 1964, No.6) QH652.5.K8
- 57663 LÉLAND, S. E., and WALLACE, L. J. Development to viable egg production in the rabbit duodenum of parasitic stages of Cooperia punctata grown in vitro. J. Parasitol. 52(2):280-284. Ref. Apr.1966. 448.8 J824
- 57664 MEISSNER, W. A., and SOMMERS, S. C. Endometrial changes after prolonged progesterone and testosterone administration to rabbits. Cancer Res. 26(3):474-476. Mar.1966. 448.8 C16
- 57665 NUBOER, J. F. W. Color discrimination tests with rabbits. Acta Physiol. Pharmacol. Neer. 13(4):486-487. Feb.1966. 448.8 Ac83
- 57666 NUBOER, J. F. W. Color vision in a rabbit. Acta. Physiol. Pharmacol. Neer. 13(4):484-486. Feb.1966. 448.8 Ac83
- 57667 NURUSHEV, M. KH. Morphology of rabbit lungs in relation to age. (Rus) Temat. Sb. Nauch. Rabot po Biol. i Geogr. 1:121-126. 1964. (Not in Libr.)
Cited in Ref. Zh. Biol. 20(sect.M):25. Oct. 1965. 241.7 R25
- 57668 PITOIS, M., and others. Study of the pancreatic excretion in the normal and hypoxemic rabbit using methionine-radioactive sulfur. (Fr) Rec. Med. Vet. 142(1):31-36. Jan.1966. 41.8 R24
R. Loubiere, J. Fabre, and G. Deltour, joint authors.
English summary.
- 57669 RIETVELD, W. J., and TORDOIR, W. E. M. The influence of twilight duration on locomotor activity of rabbits. Acta. Physiol. Pharmacol. Neer. 13(4):467-475. Ref. Feb.1966. 448.8 Ac83
- 57670 SAMBROOK, J. F., and others. Conditional lethal mutants of rabbitpox virus. I-II. Virology 28(4):592-609. Ref. Apr.1966. 448.8 V81
B. L. Padgett, J. K. N. Tomkins, and F. Fenner, joint authors.
- 57671 SCHALK, C. A tall story. (Du) Tijdschr. Diergeneesk. 91(4):256. Feb.15,1966. 41.8 T431
English summary.
Superfetation of rabbits.
- 57672 SCHNECK, C. D. The prenatal development of the knee and ankle joints of the rabbit. Diss. Abs. 26(3):1279. Sept.1965. 241.8 M58

- 57673 STORMSHAK, F., and CASIDA, L. E. Fetal-placental inhibition of LH-induced luteal regression in rabbits. *Endocrinology* 78(4):887-888. Apr.1966. 448.8 En2
- 57674 STORMSHAK, F. Some endocrine factors affecting formation, maintenance and function of corpora lutea. *Diss. Abs.* 26(9):5520. Mar. 1966. 241.8 M58 Rabbits.
- 57675 TADROS, G., and EL SADR, H. Field trials on the use of nitrophenide in the treatment of hepatic coccidiosis in rabbits. *Arab Vet. Med. Ass. J.* 25(3):111-115. July/Sept.1965. 41.9 Ar1
- 57676 TAYLOR, J., and BETTELHEIM, K. A. The action of chloroform-killed suspensions of enteropathogenic *Escherichia coli* on ligated rabbit-gut segments. *J. Gen. Microbiol.* 42(2):309-313. Feb.1966. 448.3 J823
- 57677 TSUTSUMI, Y., and HAFEZ, E. S. E. Endometrial vascularity during pseudopregnancy in the rabbit. *J. Morphol.* 118(1):43-56. Ref. Jan.1966. 444.8 J826
- 57678 WESSEL, W., GEDIGK, P., and GIERBERG, O. Electron microscopic and morphometric studies of the rabbit liver after injecting organic copper intravenously. (Ge) *Virchows Arch. Pathol. Anat. Physiol. Klin. Med.* 340(3):206-230. Ref. Jan.28,1966. 448.8 Ar23 English summary.
- 57679 ZABROW, M. X., and O'CONNOR, W. B. Localization of relaxin in the corpus luteum of the rabbit. *Soc. Exp. Biol. Med. Proc.* 121(2):612-614. Ref. Feb.1966. 442.9 Sol
- 57680 ZIMMERMANN, W. Extra-uterine gravidity in a domestic rabbit. (Ge) *Deut. Tierarztl. Wochensh.* 73(2):37-38. Jan.15,1966. 41.8 D482 English summary.
- 57681 ZVAIFLER, N. J., and BECKER, E. L. Rabbit anaphylactic antibody. *J. Exp. Med.* 123(5):935-950. Ref. May 1,1966. 448.8 J822
- Miscellaneous
- 57682 ELLIS, B. 4-H rabbit manual. Wyo. Univ. Ext. [4-H Club. Circ.] Ra-5,20 p. Nov.1965. 275.29 W99Fc
- 57683 TELLO, M. P. The domestic rabbit, its care and exploitation. (Por) *Gaz. Agr. [Lourenco Marques]* 17(190):77-79. (Cont.) Mar.1965. 24 G25
- SHEEP AND GOATS
- Breeds and Breeding
- 57684 ALUMOT, E., and SCHINDLER, H. Transaminases in the epididymal fluid of the ram. *J. Reprod. Fertil.* 10(2):261-262. Oct.1965. 442.8 J8222
- 57685 ANDERSEN, F. Sheep husbandry. (Da) *Alt Nyeste Landbrug, Havebrug, Husholdning* 12:63-68. 1965. 33.11 AL7 Breeds and feeding.
- 57686 AUSTRALIAN ASSOCIATION OF STUD MERINO BREEDERS. Australian stud Merino flock register, 1965. Volume XLII. Sydney, 1965. 863 p. 45.9 N47
- 57687 BÄGANA, M. A. Tiftik goat. (Fr) *Mediterranea* 9:52-55. Jan./Mar.1966. 281.8 M462 English summary. Breeding for wool production in Turkey.
- 57688 BOWMAN, J. C., and BROADBENT, J. S. Genetic parameters of growth between birth and sixteen weeks in Down cross sheep. *Anim. Prod.* 8(1):129-135. Feb.1966. 49 An55 Meat production in Great Britain.
- 57689 BURNS, M. Merino birthcoat fibre types and their follicular origin. *J. Agr. Sci. [London]* 66(2):155-173. Ref. Apr.1966. 10 J822 Australian Merinos.
- 57690 CARTER, R. C. The breeding structure of Hampshire sheep in the United States. *J. Hered.* 56(6):301-304. Ref. Nov./Dec.1965. 442.8 Am3
- 57691 CROKER, K. P. Twinning increases production. *West. Australia. Dep. Agr. J. (ser.4)* 7(1):17-21. Jan.1966. 23 W52J Merino breeds.
- 57692 EVERITT, G. C., and JURY, K. E. Effects of sex and gonadectomy on the growth and development of Southdown X Romney cross lambs. I-II. *J. Agr. Sci. [London]* 66(1):1-27. Ref. Feb.1966. 10 J822 I, Effects on live-weight growth and components of live weight; II, Effects on carcass grades, measurements and chemical composition.
- 57693 FISHTA, R., KLLAPA, L., and ZHORDA, N. Development of the sheep of the Cigaja breed in the Goranxia state agricultural enterprise. (Al) *Bul. Shkencave Bujquesore* 4(4):35-54. Ref. 1965. 21.5 B87 English summary.
- 57694 GJEDREM, T. Plan for progeny testing of rams. (No) *Sau Geit* 18(4):96-97. Sept.1965. 45.8 Sa8
- 57695 GODLEY, W. C., WILSON, R. L., and HURST, V. Effect of controlled environment on the reproductive performance of ewes. *J. Anim. Sci.* 25(1):212-216. Feb.1966. 49 J82
- 57696 HAGON, J. W. Potential of Merino sheep for the Esperance Downs. *Wool Technol. Sheep Breeding* 12(11):57-61, map. Dec.1965. 304.8 W888 For wool production.
- 57697 HAWK, H. W. Inhibition of ovum fertilization in the ewe by intra-uterine plastic spirals. *J. Reprod. Fertil.* 10(2):267-269. Oct.1965. 442.8 J8222
- 57698 JANCIC, S. Korelacija, njeno postojanje i jacinna između mliječnosti i nekih drugih svojstava Pramenke i njenih Merino-krizanaca. Correlation, its existence and strength between milk production and some characteristics of the Pramenka ewes and their Merino crosses. *Poljoprivredna Znanstvena Smotra* 20(4), 12 p. Ref. 1965. 21.5 Z13 English summary.
- 57699 KILLEN, B. G., GRAZIER, and NYNGAN. Practical use of production records to aid the selection of Merino rams. *Wool Technol. Sheep Breeding* 12(11):11-13. Dec.1965. 304.8 W888
- 57700 LYNSET, O. Studies on the reproductive organs of the female goat; a preliminary report. *Nord. Veterinaarmed.* 18(1):34-37. Jan.1966. 41.8 N813
- 57701 MADAMINOV, A. For a profitable reproduction of sheep. (Rus) *Sel'skoe Khoz. Tadzh.* 10:18-19. Oct.1965. 20 Se494
- 57702 MALOSSINI, F. Variations in the milk production and of its components during the lactation period and their interrelations in the Sopravissana sheep. (It) *Ann. Sperim. Agr. (n.s.)* 17(5/6):681-715. Ref. 1963, pub.1965. 16 An76 English summary.
- 57703 OZHIN, F. V. Artificial insemination of sheep an outstanding achievement of the Soviet scientists. (Rus) *Zhivotnovodstvo* 3:27-31. Mar. 1966. 49 Z6
- 57704 PEPELKO, W. E. Factors influencing sexual behavior in the male sheep *Ovis aries*: season, female and electroejaculation. *Diss. Abs.* 26(3):1736. Sept.1965. 241.8 M58
- 57705 PILLA, A. M., and MALOSSINI, F. Variations in milk production and its components during lactation and its interrelations in the Gentile di Puglia sheep. (It) *Ann. Sperim. Agr. (n.s.)* 18(1/2):151-171. 1964, pub.1966. 16 An76 English summary.

- 57706 PQLASEK, M. A contribution to the study of the effect of age and liveweight on the fertility of Tsigai sheep breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(11):843-850. Ref. Nov.1965. 49.9 C33
English summary.
- 57707 PUECH. The Lacauine breed; the sheep of Roquefort. (Fr) Tech. Lait. 3(spec.no.1):26-29, map. Mar.4, 1966. 44.8 Of2
Includes discussion of the growers' association.
- 57708 SIMPSON, E. C. Semen production and fertility of rams following exposure to controlled ambient temperatures. Diss. Abs. 26(8):4143-4144. Feb.1966. 241.8 M58
- 57709 SJOBERG, K. E. For the shepherd. (Sw) Farskotsel 45(6):187-188. 1965. 45.9 Sv2
Purchase of rams.
- 57710 SMITH, I. D. The onset of the breeding season in Southdown ewes in subtropical Australia. J. Agr. Sci. [London] 66(2):295-296. Apr.1966. 10 J822
- 57711 TURNER, H. N. Sheep breeding in the People's Republic of China. Wool Technol. Sheep Breeding 12(11):39-47, map. Dec.1965. 304.8 W888
- 57712 VESLEY, J. A. Which sheep breed is best for range. Can. Wool Grower Sheep Breeder 37(1):21-22. Spring 1966. 280.28 C16
- 57713 ZAITSEV, D. S. Improving breeding. (Rus) Zhivotnovodstvo 3:32-36. Mar.1966. 49 Z6
On sheep breeding farm "Uchumskii."
- 57714 ZELNIK, J., and others. A contribution to the study of heritability of live weight and wool weight in Tsigai. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:27-33. Ref. 1964. 281.9 N632
G. Chomkovic, J. Novy, and J. Granat, joint authors.
English summary.
- Feeds and Feeding
- 57715 BLAXTER, K. L., WAINMAN, F. W., and DAVIDSON, J. L. The voluntary intake of food by sheep and cattle in relation to their energy requirements for maintenance. Anim. Prod. 8(1):75-83. Ref. Feb.1966. 49 An55
- 57716 BUTTERWORTH, M. H. A note on the maintenance requirement of adult sheep under tropical conditions. Anim. Prod. 8(1):155-156. Feb.1966. 49 An55
Feeding and metabolism.
- 57717 DAHLBACK, N. Sheep husbandry on Gotland 1965. (Sw) Svensk Valltidskr. 4(4):113-117. 1965. 60.8 Sv22
Chiefly feeding and care.
- 57718 DANKE, R. J., and others. Effects of autoclaving and steaming of cottonseed meal for different lengths of time on nitrogen solubility and retention in sheep. J. Anim. Sci. 25(1):181-184. Ref. Feb.1966. 49 J82
L. B. Sherrod, E. C. Nelson, and A. D. Tillman, joint authors.
- 57719 DENNIS, S. M. Starvation of newborn lambs. West. Australia. Dep. Agr. J. (ser.4)6(11):645-647. Nov.1965. 23 W52J
- 57720 DUNLOP, A. A., DOLLING, C. H. S., and CARPENTER, M. T. Efficiency of conversion of food to wool at two nutritional levels by three Merino strains. Australian J. Agr. Res. 17(1):81-89. Jan.1966. 23 Au783
- 57721 GALLAGHER, J. R., WATKIN, B. R., and GRIMES, R. C. An evaluation of pasture quality with young grazing sheep. I-II. J. Agr. Sci. [London] 66(1):107-119. Ref. Feb.1966. 10 J822
I, Live-weight growth and clean wool production; II, Chemical composition, botanical composition and in vitro digestibility of herbage selected by oesophageal-fistulated sheep.
In Australia.
- 57722 GILLESPIE, J. M., and REIS, P. J. The dietary-regulated biosynthesis of high-sulphur wool proteins. Biochem. J. 98(3):669-677. Ref. Mar.1966. 382 B52
- 57723 GRIMES, R. C. An estimate of the energy required for maintenance and live-weight gain by young grazing sheep. J. Agr. Sci. [London] 66(2):211-215. Ref. Apr.1966. 10 J822
- 57724 HADJIPIERIS, G., and HOLMES, W. Studies on feed intake and feed utilization by sheep. I. The voluntary feed intake of dry, pregnant and lactating ewes. J. Agr. Sci. [London] 66(2):217-223. Ref. Apr.1966. 10 J822
- 57725 HAUGLAND, E. Feeding of ewes just before the mating season. (No) Sau Geit 18(4):95-96. Sept.1965. 45.8 Sa8
Effects on fertility.
- 57726 HEANEY, D. P., PIGDEN, W. J., and PRITCHARD, G. J. Comparative energy availability for lambs of four timothy varieties at progressive growth stages. J. Anim. Sci. 25(1):142-149. Ref. Feb.1966. 49 J82
- 57727 HYLAND, P. G. Hand feeding of sheep. 3. J. Agr. [Melbourne] 64(1):1-9. Jan.1966. 23 V66J
- 57728 JAMES, L. F., LAZAR, V. A., and BINNS, W. Effects of sublethal doses of certain minerals on pregnant ewes and fetal development. Amer. J. Vet. Res. 27(116):132-135. Jan.1966. 41.8 Am3A
Feeding.
- 57729 KARR, M. R. Nutritional and chemical evaluation of urea and biuret as nitrogen sources for lambs. Diss. Abs. 26(3):1261. Sept.1965. 241.8 M58
- 57730 KOVAC, V., and GAJDOSIK, M. A contribution to the study of the influence of a shortened suckling period of lambs on their development. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:19-25. Ref. 1964. 281.9 N632
English summary.
- 57731 LASSITER, J. W., ALLIGOOD, V., and MCGAUGHEY, C. H. Chromic oxide as an index of digestibility of all-concentrate rations for sheep. J. Anim. Sci. 25(1):44-47. Ref. Feb.1966. 49 J82
- 57732 LODGE, G. A. Feeding indoor sheep; an account of some trials at Sutton Bonington. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):113-117. Mar.1966. 10 G79J
Lambs.
- 57733 LUFF, A. F., and DARLING, G. G. Medic burr a good feed or just a vegetable fault? Agr. Gaz. New S. Wales 77(1):42-43. Jan.1966. 23 N472
Medicago minima and M. polymorpha as feed for sheep.
- 57734 LUFF, A. F. Medic seed as a source of protein. Agr. Gaz. New S. Wales 77(1):43. Jan.1966. 23 N472
For sheep feeding.
- 57735 MAHAPATRO, B. B. A study of the effects of forage moisture content upon dry matter intake, rumen acid production and rate of passage in lambs. Diss. Abs. 26(9):4929. Mar.1966. 241.8 M58
- 57736 MAYMONE, B. Results of experiments in the early weaning of lambs, obtained in various countries. (It) Aliment. Anim. 9(4):153-174. Apr.1965. 389.78 AL4
English summary.
- 57737 MCCLELLAND, T. H. Wintering ewe hogs in hill sheep flocks. Agr. Northern Ireland 40(4):98-102. Aug.1965. 256.13 Ag82M
- 57738 MCCREATH, J. B. Sheep in sheds. II. Hogg fattening. Scot. Agr. 45(1):32-38. Winter 1965/66. 10 Sco82So
- 57739 OELLERMANN, R. A. The nutritive value of Themeda triandra. III. Seasonal variations in forage quality as determined by different criteria. So. Afr. J. Agr. Sci. 8(3):607-620. Ref. Sept.1965. 24 Su3
For sheep feeding.

- 57740 OLDFIELD, J. E., and others. Coumestrol in alfalfa as a factor in growth and carcass quality in lambs. *J. Anim. Sci.* 25(1):167-174. Ref. Feb.1966. 49 J82
C. W. Fox, A. V. Bahn, E. M. Bickoff, and G. O. Kohler, joint authors.
- 57741 PAUL, P. C., TORTEN, J., and SPURLOCK, G. M. Effect of pre-slaughter nutrition on palatability and composition of lamb. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:179-183. Ref. 1962, pub.1965. TP368.15
- 57742 SHERROD, L. B. Effects of various processing temperatures on the utilization of solvent-extracted soybean and cottonseed meals by sheep. *Diss. Abs.* 26(3):1263. Sept.1965. 241.8 M58
- 57743 SMITH, I. D. The influence of level of nutrition during winter and spring upon oestrous activity in the ewe. *World Rev. Anim. Prod.* 4:95-102. Ref. Oct./Dec.1965. 49 W89
- 57744 SZABO, I. Nitrogen balance experiments with urea products. (Hu) *Allattenyesztes* 15(1):79-82. Mar.1966. 49 AL57
English summary.
Studied on sheep.
- 57745 TROELSEN, J. E., and MYHR, P. I. Effects of diethylstilbestrol implants on the performance of wether lambs under various schemes of management and nutrition. *J. Anim. Sci.* 25(1):161-166. Ref. Feb.1966. 49 J82
- 57746 WESWIG, P. H., and others. In vitro uptake of selenium-75 by blood from ewes and their lambs on different selenium regimens. *Amer. J. Vet. Res.* 27(116):128-131. Jan.1966. 41.8 Am3A
S. A. Roffler, M. A. Arnold, O. H. Muth, and J. E. Oldfield, joint authors.
Feeding.
- Veterinary Medicine
- 57747 AKADEMIYA NAUK SSSR. INSTITUT MORFOLOGII ZHIVOTNYKH. Zakonomernosti razvitiya kozhi i shersti u ovets; vozrastnye izmeneniya [Characteristics of the development of skin and wool in sheep; age-related changes]. Moskva, Nauka, 1965. 199 p. Ref. QL941.A36
- 57748 ANDERSON, G. C., HEISHMAN, J. O., and WELCH, J. A. A comparison of several anthelmintics for the control of internal parasites of sheep. *W. Va. Agr. Exp. Sta. Bull.* 519, 24 p. Ref. Jan.1966. 100 W52
Chiefly phenothiazine and thiabendazole.
- 57749 ARCHER, J. F., and others. Immunofluorescence in the diagnosis of ovine abortion due to *Toxoplasma gondii*. *Vet. Rec.* 78(11):369-372. Mar.12,1966. 41.8 V641
J. K. A. Beverley, B. A. Fry, and W. A. Watson, joint authors.
- 57750 BECZE, J. Study of factors inducing seasonal ovulation of sheep using the monoestrous breed Tsigai with special respect to the separation of the influences of light conditions and hormonal effects. (Hu) *Magyar Allatorv. Lapja* 21(2):67-71. Ref. Feb.1966. 41.8 V644
English summary.
- 57751 BENNETT, D. G., and TODD, A. C. Susceptibility of the offspring of *Haemonchus contortus* surviving low-level phenothiazine treatment to single doses of phenothiazine and thiabendazole. *Amer. J. Vet. Res.* 27(116):136-139. Jan.1966. 41.8 Am3A
Experimented on lambs.
- 57752 BHALLA, R. C., and SHARMA, G. L. Pathogenesis of foot-and-mouth disease. I. Lesions in the myocardium of goats. *Indian J. Vet. Sci. Anim. Husb.* 35(2):83-89. Ref. June 1965. 41.8 In22
- 57753 BLUMEL, B. Untersuchung der Feinstruktur von Ziegenfellhaaren zur Möglichkeit einer Rassendifferenzierung [Study of the fine structure of goat fur hairs for breed differentiation]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 3, 34 p. Ref. 1965. 41.2 M9222
- 57754 BOSMAN, S. W. Let ewes lamb together. *Farming S. Afr.* 41(12):15,17. Mar.1966. 24 So842
Synchronization of estrus.
- 57755 BOUCHET, A. L'enquete epidemiologique en helminthologie veterinaire: objet, methodes, compte rendu d'observations faites dans un elevage ovin [Epidemiological investigation in veterinary helminthology: object, methods, and report of observations on a sheep farm]. Lyon. Ecole Nat. Vet. These 4,55 p. Ref. 1965. 41.2 L99
In Haute-Vienne.
- 57756 BUCK, W. B., and BOND, K. A single-stage operation for bilateral adrenalectomy of sheep and goats. *Amer. J. Vet. Res.* 27(116):155-160. Ref. Jan.1966. 41.8 Am3A
- 57757 BUCK, W. B., KEELER, R. F., and BINNS, W. Some pharmacologic effects of Veratrum alkaloids in sheep and goats. *Amer. J. Vet. Res.* 27(116):140-154. Ref. Jan.1966. 41.8 Am3A
Blood glucose effects.
- 57758 CAIRNEY, I. M. Much more could be done about foot rot. *New Zeal. Meat Prod.* 10(6):40. Mar.1,1966. 50.8 N48
Sheep.
- 57759 CHARTON, A., and others. Physiologic ketonemia of the pregnant ewe. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(10):489-496. Dec.1965. 41.9 R24
P. Faye, A. Hervy, C. Bernard, and M. Gueslin, joint authors.
- 57760 CHRISTIAN, J. C. Influence of environmental factors, estrual activity, lactation and reproductive hormones on body temperature of the ewe. *Diss. Abs.* 26(8):4142. Feb.1966. 241.8 M58
- 57761 CHRISTIAN, K. R., and WILLIAMS, V. J. Ruminal fermentation of herbage in sheep receiving carbohydrate supplements. *J. Agr. Sci. [London]* 66(2):285-293. Ref. Apr.1966. 10 J822
- 57762 COLLINS, W. E., and others. Effects of hysterectomy and corpus luteum induction on pituitary-ovarian relationships in the ewe. *J. Anim. Sci.* 25(1):87-91. Ref. Feb.1966. 49 J82
E. K. Inskeep, B. E. Howland, A. L. Pope, and L. E. Casida, joint authors.
- 57763 DAVIS, R. W., KAINER, R. A., and FLAMBOE, E. E. The effects of an oxytetracycline preparation on the thyroid gland: a preliminary report. *Amer. J. Vet. Res.* 27(116):166-171. Ref. Jan.1966. 41.8 Am3A
Goats.
- 57764 DEMIDOV, N. V., BABYANSKAS, M. A., and VISHNYAUSKAS, A. YU. Test of hexachlorophene in fascioliasis of sheep. (Rus) *Veterinariya* 10:45-47. Oct.1965. 41.8 V6426
- 57765 DENNIS, S. M. Abdominal retention of a dead foetus in a ewe following spontaneous rupture of the uterus. *Vet. Rec.* 78(10):326-327. Mar.5,1966. 41.8 V641
- 57766 DENNIS, S. M. Congenital abnormalities in sheep in Western Australia; results of analysis of replies to the questionnaire on congenital abnormalities of sheep. *West. Australia. Dep. Agr. J. (ser.4)* 6(12):691-693. Dec.1965. 23 W52J
- 57767 DENNIS, S. M. More light on lamb losses; third and final report of a survey of lamb mortalities in W.A. *West. Australia. Dep. Agr. J. (ser.4)* 6(12):686-689. Dec.1965. 23 W52J

- 57768 DERIPASKO, P. G., KOVALEV, G. V., and GRIGOR'EV, N. K. Decrease of echinococcosis in sheep. (Rus) Veterinariya 9:45-46. Sept.1965. 41.8 V6426
- 57769 DIERSCHKE, D. J. Temporal and quantitative aspects of gonadotrophin secretion in the cyclic ewe. Diss. Abs. 26(8):4766. Feb.1966. 241.8 M58
- 57770 DOBAI, S., and SZEMEREDI, GY. On foot-and-mouth disease of sheep. (Hu) Magyar Allatorv. Lapja 21(2):80-82. Feb.1966. 41.8 V644 English summary.
- 57771 DQBAI, S., GAJDACS, GY., and SZEGEDI, B. On the methemoglobinemia of sheep. (Hu) Magyar Allatorv. Lapja 21(2):64-67. Ref. Feb. 1966. 41.8 V644 English summary.
- 57772 DODBIBA, A. Anthelmintic effect of carbon tetrachloride and hexachloroethane on undergrown forms of *Fasciola hepatica* in sheep. (Al) Bul. Shkencave Bujquesore 4(4):89-98. Ref. 1965. 21.5 B87 English summary.
- 57773 DUSTOVA, R. T. Microorganisms in the flesh of new-born Karakul lambs. (Rus) Uzbekskii Nauchno-issledovatel'skii Institut Veterinarii. Trudy 16:119-123. 1964. Cited in Ref. Zh. Biol. 19(sect.B):50. Oct. 1965. 241.7 R25
- 57774 DZIEKONSKI, J., DROZDZYSKI, W., and POZNANSKA, W. Lamb diseases caused by *Pasteurella haemolytica*. (Pol) Med. Weter. 21(9):546-548. Sept.1965. 41.8 M463 Includes pneumonia.
- 57775 EDWARDS, A. W. T. Regional pulmonary function by lobar spirometry in unanesthetized sheep. J. Appl. Physiol. 21(2):388-392. Ref. Mar.1966. 447.8 J825
- 57776 FALCONER, I. R. The effect of adrenaline on the thyroid gland. J. Physiol. 183(1):41P-42P. Mar.1966. 447.8 J82 In sheep.
- 57777 FÉNART, R. Modifications of the skeletal skull; abnormalities in a kid 5 months old. (Fr) Acad. Sci. Compt. Rend. 261(9):2012-2015. Aug.3,1965. 505 P21
- 57778 FOGEL, B. J., SHIELDS, C. E., and HOOK, W. A. Effect of storage on sheep erythrocytes used in complement studies. Soc. Exp. Biol. Med. Proc. 121(1):186-189. Jan.1966. 442.9 S01
- 57779 FORBES, T. J., and SINGLETON, A. G. Bromosulphthalein liver clearance in non-pregnant ewes. Brit. Vet. J. 122(2):55-64. Ref. Feb. 1966. 41.8 V643 Ewes on pasture.
- 57780 GARDINER, M. R. Urinary calculus disease of sheep in Western Australia. West. Australia. Dep. Agr. J. (ser.4)6(12):731-736,739-742. Dec.1965. 23 W52J
- 57781 GAUTAM, O. P. Haematological norms in goats. Indian J. Vet. Sci. Anim. Husb. 35(2):173-177. Ref. June 1965. 41.8 In22
- 57782 GAZARYAN, V. S., and others. Copper intoxication of sheep. (Rus) Veterinariya 9:58-59. Sept.1965. 41.8 V6426 I. S. Sogoyan, G. A. Agabalov, and V. V. Mesropyan, joint authors.
- 57783 GEORGE, R., and others. Effect of varying live weight and preslaughter fast period on the slaughter, storage, cutting and cooking losses of lambs. J. Anim. Sci. 25(1):192-198. Feb. 1966. 49 J82 D. E. Hogue, J. R. Stouffer, and G. H. Wellington, joint authors.
- 57784 GRAY, F. V., and others. The rates of production of volatile fatty acids in the rumen. III. Measurement of production in vivo by two isotope dilution procedures. Australian J. Agr. Res. 17(1):69-80. Ref. Jan.1966. 23 Au783 R. A. Weller, A. F. Pilgrim, and G. B. Jones, joint authors. Sheep.
- 57785 HALMAGYI, D. F. J., and GILLET, D. J. Cardiorespiratory consequences of corrected gradual severe blood loss in unanesthetized sheep. J. Appl. Physiol. 21(2):589-596. Ref. Mar.1966. 447.8 J825
- 57786 HANKS, G. E., and others. Acute mortality and recovery studies in sheep irradiated with cobalt-60 gamma rays or 1-Mvp X-rays. Radiat. Res. 27(3):397-405. Mar.1966. 334.8 R11 N. P. Page, E. J. Ainsworth, G. F. Leong, C. K. Menkes, and E. L. Alpen, joint authors.
- 57787 HANSEN, R. P. Isomeric methoxy-stearic acid artifacts from sheep perinephric fat. Chem. Indus. 7:288. Feb.12,1966. 382 M31C
- 57788 HEMBRY, F. G., and BELL, M. C. Sr90 phy-tate and Sr90 chloride in sheep and swine and roasting effect on Sr90 in meat. J. Anim. Sci. 25(1):199-202. Ref. Feb.1966. 49 J82
- 57789 HERLICH, H. Effects of cold storage on the infectivity of third-stage larvae of the intestinal worm, *Trichostrongylus colubriformis* Giles, 1892, Ransom, 1911. Helminthol. Soc. Wash. Proc. 33(1):101-102. Jan.1966. 436.9 H36 Parasite of sheep and cattle.
- 57790 HIRD, F. J. R., JACKSON, R. B., and WEIDEMANN, M. J. Transport and metabolism of fatty acids by isolated rumen epithelium. Biochem. J. 98(2):394-400. Ref. Feb.1966. 382 B52 Sheep.
- 57791 HÖNESS, R., and BERGSTROM, R. C. Internal parasites in sheep. Wyo. Univ. Ext. [4-H Club. Circ.] Sh-5:11-12. Sept.1965. 275.29 W99Fc
- 57792 HORAK, I. G. The anthelmintic efficacy of bithionol against *Paramphistomum microbothrium*, *Fasciola* spp. and *Schistosoma mattheei*. S. Afr. Vet. Med. Ass. J. 36(4):561-566. Ref. Dec.1965. 41.8 S08 In sheep and cattle.
- 57793 HOROWITZ, A. The distribution of the blood vessels to the postdiaphragmatic digestive tract of five mature female goats. Diss. Abs. 26(3):1278. Sept.1965. 241.8 M58
- 57794 HOWE, D. L., WOODS, G. T., and MARQUIS, G. Infection of bighorn sheep (*Ovis canadensis*) with myxovirus parainfluenza-3 and other respiratory viruses. Results of serologic tests and culture of nasal swabs and lung tissue. Wildlife Dis. Ass. Bull. 2(2):34-37. Ref. Apr.1966. 41.9 W64B Includes bighorn-domestic hybrids.
- 57795 HURLIMANN, L. Contribution à l'étude de la tuberculose de la chèvre [Contribution to the study of tuberculosis in the goat]. Lyon. Ecole Nat. Vet. These 36,54 p. Ref. 1965. 41.2 L99
- 57796 JOHNSON, D. C., and NELSON, D. M. Amount of luteinizing hormone activity in extracts of sheep hypothalamus. Endocrinology 78(4):901-903. Ref. Apr.1966. 448.8 En2
- 57797 JONES, W. D., and METCALFE, J. Spectrophotometry of arteriovenous oxygen differences in sheep blood using Triton X-100. J. Appl. Physiol. 21(2):735-736. Mar.1966. 447.8 J825

- 57798 KALASHNIKOV, P. S. The method of sheep dehelminthization by phenothiazine. (Rus) Veterinariya 9:50-51. Sept.1965. 41.8 V6426
- 57799 KATITCH, R., BATTY, I., and VOUKITCHEVITCH, Z. The influence of copper on production of antibodies in sheep vaccinated against enterotoxemia. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):453-455. Nov.1965. 41.9 R24
- 57800 KATITCH, R., VOUKITCHEVITCH, Z., and CVETKOVITCH, L. Possibility of simultaneous protection of sheep from anaerobic helminthic infections. (Fr) Acad. Vet. France. Bull. (n.s.) 38(9):405-410. Nov.1965. 41.9 R24
Immunization against clostridial diseases and stomach and intestinal worms with carbon tetrachloride and cyanoacetic acid hydrazide.
- 57801 KELSEY, F. H. Observations on the use of "Zanil" (3,3',5,5',6-pentachloro-2,2'-dihydroxy-benzanilide) against liver fluke disease in Wester Ross. Vet. Rec. 78(9):303-304. Feb.26,1966. 41.8 V641
Sheep and cows.
- 57802 KHACHADURIAN, A. K., ADROUNI, B., and YACOUBIAN, H. Metabolism of adipose tissue in the fat tail of the sheep in vivo. J. Lipid Res. 7(3):427-436. Ref. May 1966. 381 J8282
- 57803 KIESEL, G. K., and ALEXANDER, H. D. Electrophoretic patterns in adult sheep on a magnesium-deficient diet. Amer. J. Vet. Res. 27 (116):121-127. Jan.1966. 41.8 Am3A
Changes in serum proteins.
- 57804 KLEPPE, J. Udder inflammation of sheep and inherited tendency. (No) Sau Geit 18(4):113-114. Sept.1965. 45.8 Sa8
- 57805 KOVAL'SKII, V. V., and GUSTIN, M. I. The role of minor elements in the biosynthesis of thyroid hormones. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 3:77-80. Ref. Mar.1966. 20 V633
English summary.
Sheep.
- 57806 KUZNETSOV, V. News in treatment of lambs. (Rus) Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka 1:39. 1966. 281.8 Se44
Novarsenol in prevention of pneumonia.
- 57807 LINZELL, J. L. Measurement of udder volume in live goats as an index of mammary growth and function. J. Dairy Sci. 49(3):307-311. Ref. Mar.1966. 44.8 J822
- 57808 LIPPMANN, R. Symptomatology and therapy in excessive feeding of grain of sheep following stubble pasturing. (Ge) Monatsh. Veterinar-med. 20(24):993-996. Ref. Dec.15,1965. 41.8 M742
Suggested name for the disease complex "alimentary indigestion caused by excessive carbohydrate feeding."
- 57809 LOMBARD, C., and RABY, G. Congenital goiter of goats in Vienne. (Fr) Acad. Vet. France. Bull. (n.s.)38(8):353-355. Oct.1965. 41.9 R24
- 57810 LON, O. Hoof care and hoof diseases of sheep. (Da) Danske Dyrlaegefor. Medlemsbl. 49(8): 350-351. Apr.15,1966. 41.9 D23
Especially foot rot.
- 57811 MANDOUL, R., PESTRE-ALEXANDRE, M., and NICOLAS, J. Problems resulting from the spread of toxoplasmosis in sheep. (Fr) Soc. Pathol. Exot. Bull. 58(3):428-432. Ref. May/June 1965. 44.9 So13
English summary.
- 57812 MATTER, H. E. A case of superfetation in a Karakul sheep. (Ge) Berliner Munchener Tierarztl. Wochens. 78(24):469-470. Dec.15, 1965. 41.8 B45
English summary.
- 57813 MCDONALD, P. G., and CLEGG, M. T. Some factors affecting gonadotropin levels in sheep. Soc. Exp. Biol. Med. Proc. 121(2):482-485. Ref. Feb.1966. 44.9 So1
- 57814 METCALFE, J., and PARER, J. T. Cardio-vascular changes during pregnancy in ewes. Amer. J. Physiol. 210(4):821-825. Ref. Apr. 1966. 447.8 Am3
- 57815 MINKOV, G. B. Identification of Brucella cultures isolated from aborted fetuses of sheep vaccinated against brucellosis. (Rus) Zhur. Mikrobiol. Epidemiol. Immunobiol. 2: 117-121. Ref. Feb.1966. 44.8 Z4
English summary.
- 57816 MOORE, G. B. Nematodirus can be an unrecognized parasitic problem in lambs. New Zeal. J. Agr. 112(2):29. Feb.1966. 23 N48J
- 57817 MOORE, G. B. Proper drenching of lambs essential for control of tapeworms. New Zeal. J. Agr. 112(3):30-31. Mar.1966. 23 N48J
- 57818 MUTCH, G. V. Irrigation and pasture management are potent weapons against facial eczema. New Zeal. J. Agr. 112(3):23-25. Mar.1966. 23 N48J
- 57819 NICKEL, S., and HIEPE, T. Studies on the occurrence and control of strongylata infestations of stomach and intestine in naturally and artificially infected sheep. (Ge) Monatsh. Veterinarmed. 21(3):98-106. Ref. Feb.1,1966. 41.8 M742
English summary.
Phenothiazine compared with Bubulin.
- 57820 NORDFELDT, S., and NILSSON, A. Studies of the influence of oestrogens upon the energy metabolism of young growing wethers. Uppsala. Lantbrukshogsk. Ann. 31(3):355-365. Ref. 1965. 104 Up6
- 57821 OGUZ, T., and DALCHOW, W. Tests on the immunization of sheep against Trichuris ovis. (Ge) Berliner Munchener Tierarztl. Wochens. 79(6):113-117. Ref. Mar.15,1966. 41.8 B45
English summary.
- 57822 OSBURN, B. I., and KENNEDY, P. C. Pathologic and immunologic responses of the fetal lamb to Brucella ovis. Pathol. Vet. 3(2):110-136. Ref. 1966. 41.8 P27
- 57823 OVCHARENKO, V. Experimental and natural salmonellosis in sheep and their treatment. (Rus) Kolkhoz.-Sovkhoz. Proizv. Kirgizii 1:38-39. Jan.1966. 20 Se493
- 57824 PANCOE, W. L. Corticoid levels and thyroxine binding. Diss. Abs. 26(9):5517. Mar.1966. 241.8 M58
In dairy goats.
- 57825 PANDE, B. P., and BHATIA, B. B. Merozoites from globidial schizonts in abomasum of Indian goats. Cur. Sci. 35(4):103-104. Feb.20,1966. 475 Sci23
Caused by Eimeria.
- 57826 PETERS, J. A., and MORTIMER, P. H. The effect of cholestyramine on sporidesmin intoxication in sheep. New Zeal. J. Agr. Res. 9(1):137-141. Ref. Feb.1966. 23 N4892
- 57827 POLSKA AKADEMIA NAUK. INSTYTUT FIZJOLOGII I ZYWIENIA ZWIERZAT. The secretion of anterior pituitary hormones and ovulation in small ruminants; the effect of the hypothalamus on the secretion and release of gonadotropins by pituitary gland in sheep, by E. Domanski. Jablonna, 1965. 31 p. Ref. SF768.P6
- 57828 PORTER, P., and SINGLETON, A. G. The digestion of pentosan in ruminants feeding on hay. J. Physiol. 183(2):73P. Mar.1966. 447.8 J82
Tested in sheep and goats.
- 57829 POSUN'KO, L. L. Characteristics of the constitutional forms of thorax in small ruminants. (Rus) Temat. Sb. Nauchn. Rabot po Biol. i Geog. 1:127-144. 1964. (Not in Libr.)
Goats and sheep.
Abstracted in Ref. Zh. Biol. 21(sect.I):28. Nov.1965. 241.7 R25

- 57830 RAKHA, A. M., and ROBERTSON, H. A. The sequence, time and duration of the release of FSH and LH in relation to oestrus and to ovulation in the sheep. *J. Physiol.* 183(2):67P. Mar. 1966. 447.8 J82
- 57831 RETZLAFF, N., and LUDWIG, A. Sarcosporidiosis in sheep. (Ge) *Fleischwirtschaft* 45(4): 345-346, 349-350, 353. Ref. Apr. 1965. 280.38 F62
English summary.
- 57832 ROBERTSON, H. A., and RAKHA, A. M. Time of onset of oestrus in the ewe. *J. Reprod. Fertil.* 10(2):271-272. Oct. 1965. 442.8 J8222
- 57833 ROBERTSON, J. M. Scours in lambs. *Scot. Agr.* 45(1):42-44. Winter 1965/66. 10 Sco82So
- 57834 SAFAROV, YU. B., and IBRAGIMOV, N. M. Results of simultaneous vaccination of sheep against anthrax, braxy, and infectious enterotoxemia. (Rus) *Veterinariya* 10:39-40. Oct. 1965. 41.8 V6426
- 57835 SCOTT, T. W., and BEESTON, J. W. U. Apparatus for applying samples to thin-layer chromatograms. *J. Lipid Res.* 7(3):456-457. May 1966. 381 J2828
Sheep.
- 57836 SENF, W., and SEFFNER, W. Some experiences with Aujeszky's disease with special reference to a number of cases observed in sheep and cattle. (Ge) *Monatsh. Veterinarmed.* 21(2):58-64. Ref. Jan. 15, 1966. 41.8 M742
English summary.
- 57837 SHELTON, G. C. Host-parasite relationship studies of *Oesophagostomum columbianum* (Curtice, 1890) Stossich, 1899 in domestic sheep. *Diss. Abs.* 26(9):5609-5610. Mar. 1966. 241.8 M58
- 57838 SHIRLEY, R. L., and others. Vitamin A and carotene in tissues of sheep. *Fla. Acad. Sci. Quart. J.* 28(4):392-400. Dec. 1965. 500 F66
J. F. Easley, E. Sosa, T. J. Cunha, and A. C. Warnick, joint authors.
- 57839 SILANGWA, S. M., and TODD, A. C. Studies on evaluation of low-level administration of phenothiazine in selection of drug-resistant *Haemonchus contortus*. *J. Parasitol.* 52(1):141-145. Ref. Feb. 1966. 448.8 J824
Lamb parasites.
- 57840 SOFRONOV, N. V., and DAMINOVA, L. F. Viability of *Brucella* in wool bales in Uzbekistan. (Rus) *Uzbekskii Nauchno-issledovatel'skii Institut Veterinarij. Trudy* 16:102-103. 1964.
Abstracted in Ref. *Zh. Biol.* 19(sect.B):48. Oct. 1965. 241.7 R25
- 57841 SOMMERVILLE, R. I. The development of *Haemonchus contortus* to the fourth state in vitro. *J. Parasitol.* 52(1):127-136. Ref. Feb. 1966. 448.8 J824
Sheep parasite.
- 57842 STEPIN, V. S. Etiopathogenesis of millet poisoning in sheep. (Rus) *Veterinariya* 9:61-63. Sept. 1965. 41.8 V6426
- 57843 STORZ, J., and others. Prevention of ovine vibriosis by vaccination: duration of protective immunity. *Amer. J. Vet. Res.* 27(116):110-114. Ref. Jan. 1966. 41.8 Am3A
M. L. Miner, M. E. Marriott, and A. E. Olson, joint authors.
- 57844 STORZ, J., and others. Prevention of ovine vibriosis by vaccination: effect of yearly vaccination of replacement ewes. *Amer. J. Vet. Res.* 27(116):115-120. Ref. Jan. 1966. 41.8 Am3A
M. L. Miner, A. E. Olson, M. E. Marriott, and Y. Y. Elsner, joint authors.
- 57845 STOYANOV, I. On the afferent routes of the mechanoreceptive reflexes from the rumen and abomasum on the blood pressure. *Bulgarska Akad. Nauk. Dokl.* 18(11):1035-1038. Ref. 1965. 512 So2
Lambs used in experiment.
- 57846 SWIFT, B. L. Diseases common to sheep in Wyoming. *Wyo. Univ. Ext.* [4-H Club. Circ.] Sh-5:H1-H5. Sept. 1965. 275.29 W99Fc
- 57847 SZEMEREDI, GY. Ketosis of sheep. (Hu) *Magyar Mezogazdasag* 21(8):20. Feb. 23, 1966. 19 M27
- 57848 TAYLOR, C. R. The vascularity and possible thermoregulatory function of the horns in goats. *Physiol. Zool.* 39(2):127-139. Ref. Apr. 1966. 410 P56
- 57849 THEURER, B., WOODS, W., and POLEY, G. E. Comparison of portal and jugular blood plasma amino acids in lambs at various intervals postprandial. *J. Anim. Sci.* 25(1):175-180. Ref. Feb. 1966. 49 J82
- 57850 TOD, M. E. On the morphology of *Haemonchus contortus* (Rudolphi) Cobb (Nematoda: Trichostrongylidae) in sheep and cattle. *Australian J. Zool.* 13(5):773-781. Ref. Dec. 1965. 410 Au73
- 57851 TOMOV, T., and KELING, K. Movements of rumen and regurgitation in small ruminants. (Rus) *Bulgarska Akad. Nauk. Dokl.* 18(10): 971-974. Ref. 1965. 512 So2
Sheep and goats.
- 57852 TOMPKIN, R. B., PURSER, D. B., and WEISER, H. H. Influence of rumen fluid source upon establishment and cultivation in vitro of the rumen protozoon *Entodinium*. *J. Protozool.* 13(1):55-58. Ref. Feb. 1966. 439.8 J82
Isolated from sheep.
- 57853 VAVAKO, D., and KUKA, A. Results of the application of saponin vaccine with the Br. abortus 19 strain in sheep and goats. (Al) *Bul. Shkencave Bujqesore* 4(3):121-140. Ref. 1965. 21.5 B87
English summary.
- 57854 WALLEY, J. K. Oxytetracycline (3,3',5,5',6-pentachloro-2,2'-dihydroxy-benzanilide—"Zanil") in the treatment of the liver fluke *Fasciola hepatica* in sheep and cattle. *Vet. Rec.* 78(8): 267-276. Feb. 19, 1966. 41.8 V641
- 57855 WALLEY, J. K. Tetramisole (dl 2,3,5,6-tetrahydro-6-phenyl-imidazo (2,1-b) thiazole hydrochloride-Nilverm) in the treatment of gastrointestinal worms and lungworms in domestic animals. 1. Sheep and goats. *Vet. Rec.* 78(12): 406-414. Mar. 19, 1966. 41.8 V641
- 57856 WILDE, P. F., and DAWSON, R. M. C. The biohydrogenation of α -linolenic acid and oleic acid by rumen micro-organisms. *Biochem. J.* 98(2):469-475. Ref. Feb. 1966. 382 B52
Sheep.
- 57857 WILLSON, J. E. Congenital otocephalus in a lamb. *Vet. Med./Small Anim. Clin.* 61(1):58-59. Jan. 1966. 41.8 M69
- 57858 WILSON, G. I. Investigations on the pathogenicity and immunology of *Dictyocaulus filaria* in sheep and goats. *Diss. Abs.* 26(9):5612-5613. Mar. 1966. 241.8 M58
- 57859 WRIGHT, F. C., PALMER, J. S., and HUNT, L. M. Preliminary study on toxicologic and biochemical effects of silvex on sheep. *Amer. J. Vet. Res.* 27(116):172-176. Ref. Jan. 1966. 41.8 Am3A
- 57860 WYKOFF, M. H. Observations comparing the effects of neutron irradiation on the blood-cerebral spinal fluid barrier of the sheep and burro. *Radiat. Res.* 27(3):445-455. Ref. Mar. 1966. 334.8 R11
- 57861 WYRWICKA, W., and DOBRZECKA, C. Conditioning of centrally induced rumination in goats. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(4):247-249. 1965. 512 W262
Effects of electric stimulation of the brain.
- 57862 ZELETZKI, C. Investigation on the fat and glycogen content and infestation ability of ectogenous larval stages of some strongylides and trichostrongylides in sheep. (Ge) *Helminthologia* 6(1/4):69-87. Ref. 1965. 436.8 H36
English summary.

- 57863 ZELETZKI, C. Investigation on the longitudinal and allometrical growth of ectogenous larval stages of some strongylids and trichostrongylids in sheep. (Ge) *Helminthologia* 6 (1/4):335-356. Ref. 1965. 436.8 H36 English summary.
- 57864 ZIEGLER, J. H. The fatty acid composition of subcutaneous, internal, and intramuscular ovine depot fats. Diss. Abs. 26(8):4144. Feb. 1966. 241.8 M58
- Miscellaneous
- 57865 ADAMS, H. M. Attempts to improve sheep rearing in Ghana. *Ghana Farmer* 9(1):24-27. Feb. 1965. 24 G564
- 57866 DOMINIONE, C. Our sheep industry needs a relaunching. (It) *Esso Agr.* 15(1):14-15. Feb. 1966. 58.8 Es7
- 57867 EMERY, F. V. A note on the sheep-cattle ratio in Snowdonia, 1570. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:54-55. June 1965. 501 Ab3
Ecological importance.
- 57868 ESAULOV, P. A. Overcoming difficulties in sheep husbandry. (Rus) *Zhivotnovodstvo* 2:1-5. Feb. 1966. 49 Z6
- 57869 GALLOWAY, F. T. Where, oh, where does my little lamb go? *Sheep Goat Raiser* 46(6):38-39. Mar. 1966. 45.8 Sh3
- 57870 GEMMEKE, P. The sheep rearing in upheaval. (Ge) *Tierzuchter* 18(6):166-168. Mar. 20, 1966. 49 T445
Care and management.
- 57871 HORAK, F., and PINDAK, A. On the evaluation of milk production of goats. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. *Zivocisna Vyroba* 38(11):851-860. Ref. Nov. 1965. 49.9 C33
English summary.
- 57872 JUDGE, M. D., MARTIN, T. G., and OUTHOUSE, J. B. Prediction of carcass composition of ewe and wether lambs from carcass weights and measurements. *J. Anim. Sci.* 25 (1):92-95. Feb. 1966. 49 J82
- 57873 KINSMAN, D. M. A study of some live and carcass characteristics of lambs. Diss. Abs. 26(3):1261-1262. Sept. 1965. 241.8 M58
- 57874 LUNN, W. A. Advantages of autumn shearing of breeding ewes. *New Zeal. J. Agr.* 112(3):41. Mar. 1966. 23 N48J
- 57875 MARCHELLO, J. A. Some environmental and genetic factors affecting ovine fat composition. Diss. Abs. 26(9):4980. Mar. 1966. 241.8 M58
- 57876 MCCLELLAND, T. H. The management of hill sheep flocks at lambing time. *Agr. Northern Ireland* 40(6):167-169. Oct. 1965. 256.13 Ag82M
- 57877 NATIONAL WOOL GROWERS ASSOCIATION. Improvement of lamb and wool production through lamb carcass evaluation, measuring meat in live animals, production testing and wool preparation and marketing; summary of panel discussion at NWGA 101st Convention, Portland, Oregon, January 1966. *Nat. Wool Grower* 56(4):12-17. Apr. 1966. 45.8 N21N
Panel members: Z. L. Carpenter, C. E. Terrill, U. S. Garrigus, R. H. Grimshaw, and J. A. Innes.
- 57878 RAGAN, H. A., and others. Application of miniature goats in ruminant research. *Amer. J. Vet. Res.* 27(116):161-165. Ref. Jan. 1966. 41.8 Am3A
V. G. Horstman, R. O. McClellan, and L. K. Bustad, joint authors.
- 57879 RONNINGEN, K. Causes of variation in the flavour intensity of goat milk. *Acta Agr. Scand.* 15(3/4):301-342. Ref. 1965. 11 Ac82
- 57890 RONNINGEN, K. Causes of variations in the flavor intensity of goat's milk. (No) *Sau Geit* 18(4):100. Sept. 1965. 45.8 Sa8
- 57881 SALERNO, A. Sheep rearing and its problems. (It) *Ann. Sperim. Agr. (n.s.)* 18(1/2):173-210. Ref. p. 208-210. 1964, pub. 1966. 16 An76
English summary.
- 57882 SEMJAN, S. The effect of milking intervals on the amount and fat content of sheep's milk. (Cz) *Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb.* 8:217-223. 1964. 281.9 N632
English summary.
- 57883 VAN DER WALT, K. Some aspects of the sheep and wool industry in Australia. *S. Afr. Vet. Med. Ass. J.* 36(4):537-544. Dec. 1965. 41.8 So8
- 57884 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. 1965 lamb carcass competition. *West. Australia. Dep. Agr. J. (ser. 4)* 6(12):752. Dec. 1965. 23 W52J
- 57885 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming 4-H sheep project. *Wyo. Univ. Ext. [4-H Club. Circ.]* Sh-5, 56 p. Sept. 1965. 275.29 W99Fc
- SWINE
- Breeds and Breeding
- 57886 BOSTOCK, F. Boar evaluation at Rocklea. *Queensland Agr. J.* 92(2):119-120. Feb. 1966. 23 Q33
- 57887 BOURSNEILL, J. C., and others. Studies on boar seminal plasma proteins. III-V. *Biochim. Biophys. Acta* 117(1):134-162. Ref. Mar. 28, 1966. 381 B522
M. Nelson, D. M. Cole, and D. A. Rottenberg, joint authors.
- 57888 GRAY, R. C. Effects of five generations of selection for low backfat thickness in swine. Diss. Abs. 26(9):4926. Mar. 1966. 241.8 M58
- 57889 GROGAN, D. E. A comparative study of the lipoprotein and phospholipid of mature and immature boar spermatozoa. Diss. Abs. 26(3):1320. Sept. 1965. 241.8 M58
- 57890 HANSET, R., and ANSAY, M. The polymorphism of haptoglobins in two Belgian swine breeds. (Fr) *Ann. Med. Vet.* 110(1):56-70. Ref. Jan. 1966. 41.8 An78
English summary.
Pietrain and Belgian pigs.
- 57891 HARD, W. L., and EISEN, J. D. A phenotypic male swine with a female karyotype. *J. Hered.* 56(6):254-258. Ref. Nov./Dec. 1965. 442.8 Am3
- 57892 KROESKE, D. Modern swine production: what does the market require and what can the farmer do? (Du) *Veeteelt Zuivelber.* 8(11):476-479. Nov. 1965. 49 V51
Chiefly on the effects of breeding on carcass quality.
- 57893 LANDSUDVALGET FOR SVINEAVLENS LEDELSE. 27. register over orner af Dansk Landrace 1966 af R. P. Jeppesen [27th register of boars of Danish Landrace, 1966, by R. P. Jeppesen]. Roskilde, 1966. 51 p. 46.9 L23
- 57894 MORRISSETTE, M. C. Effects of progestins on reproduction in swine and rats. Diss. Abs. 26(3):1735-1736. Sept. 1965. 241.8 M58
- 57895 NIKOLIC, D., and others. Results of comparative tests of fattening capacity of the Large White swine breed and its hybrids. (Se) *Arh. Poljoprivredne Nauk.* 18(62):115-128. Ref. 1965. 21.5 Y9
A. Sreckovic, M. Nikolic, and T. Bokorov, joint authors.
English summary.
- 57896 OVSYANNIKOV, A. I., ed. *Metody razvedeniya svinei* [Methods of swine breeding]. Moskva, Kolos, 1965. 303 p. SF396.U4085

- 57897 ROMIC, S. Klaonicka vrijednost Bijele Mangu-lice u razlicitoj dobi. The value of carcasses of White Mangalitza at different ages. Poljo-privredna Znanstvena Smotra 20(2),25 p. 1965. 21.5 Z13
English summary.
- 57898 RUTGERS, A. Organisation and results of artificial insemination of swine in Netherlands. (Du) Veeteelt Zuivelber. 8(11):480-487. Nov. 1965. 49 V51
- 57899 SIDOR, V., and KUZINA, Z. Productive abili-ties of Czechoslovak Improved White and Black-spotted breeds of swine and their hy-brids. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:7-17. Ref. 1964. 281.9 N632
English summary.
Meat production.
- 57900 VINCZE, L. New price system—new possibili-ties in swine production. (Hu) Magyar Mezo-gazdasag 21(11):19-20. Mar.16,1966. 19 M27
Breeding and rearing, chiefly.
- Feeds and Feeding
- 57901 AHERNE, F. X., and MCALEESE, D. M. Mo-lassed beet pulp in the rations of pigs. Roy. Dublin Soc. Sci. Proc. Ser. B, 1(16):173-183. Ref. June 20,1965. 501 D85Sc
- 57902 ASTRUP, H., and LANGEBREKKE, A. The ef-fect of antioxidants on the quality of pork. Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):15-24. Ref. Feb.1966. 389.78 Z3
- 57903 BARTH, K. M., and others. Nutritive value of garbage as a feed for swine. II. Mineral content and supplementation. J. Anim. Sci. 25(1):52-57. Ref. Feb.1966. 49 J82
G. W. Vander Noot, W. S. MacGrath, and E. T. Kornegay, joint authors.
- 57904 BEREK, G., and LAKATOS, T. Feeding of piglets. (Hu) Magyar Mezőgazdasag 21(11):20. Mar.16,1966. 19 M27
- 57905 BEZATI, P. Effect of exhausted olive marcs in the increase of the weight of growing pigs. (Al) Bul. Shkencave Bujqesore 4(4):55-65. Ref. 1965. 21.5 B87
English summary.
- 57906 BORGIOLI, E. Feeds for early-weaned baby pigs. (It) Suinicoltura 6(10):17-25. Oct.1965. 46.8 Su3
- 57907 BOWDEN, W. E. Skim milk for stockfeeding. Pig Breeders' Gaz. 125:37. Apr.1966. 46.8 N21
British pigs.
- 57908 COMBS, G. E., and others. Influence of sup-plemental vitamin D on gain, nutrient digesti-bility and tissue composition of young pigs. J. Anim. Sci. 25(1):48-51. Ref. Feb.1966. 49 J82
T. H. Berry, H. D. Wallace, and R. C. Crum, joint authors.
- 57909 DATTILO, M. Protein requirements of swine for the production of lean meat. (It) Aliment. Anim. 9(4):175-178. Apr.1965. 389.78 AL4
- 57910 DYREND AHL, S. Views on swine feeding. (Sw) Suomen Eläinlääkärilehti 72(45/84):56-62. Feb.1966. 41.8 F49
- 57911 GILL, D. R., OLDFIELD, J. E., and ENGLAND, D. C. Comparative values of hullless barley, regular barley, corn and wheat for growing pigs. J. Anim. Sci. 25(1):34-36. Ref. Feb. 1966. 49 J82
- 57912 GRUHN, K., and WERNER, J. Results of feed-ing experiments with gluten as waste of hides industry. (Cz) Pol'nohospodarstvo 12(2):124-132. Ref. 1966. 19.5 P752
English summary.
Swine and ducks.
- 57913 HAUGSE, C. N., and others. Effect of physical form of barley in rations for fattening pigs. N. Dak. Agr. Exp. Sta. Res. Rep. 17,13 p. Feb.1966. 100 N813R
W. E. Dinusson, D. O. Erickson, and D. W. Bolin, joint authors.
- 57914 HEENEY, M. W. The effect of protein level and feed restriction on performance and car-cass characteristics of swine. Diss. Abs. 26(3):1260. Sept.1965. 241.8 M58
- 57915 HOFMANN, P. Swine fattening test with dried potato chips. (Ge) Bayer. Landwirt. Jahrbuch 42(3):339-347. 1965. 18 L24
- 57916 JACOBSEN, K. A. Green feed for sows. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:54-63. 1965. 33.11 AL7
- 57917 JUCKER, H., PFIRTER, H. P., and PRÄBUCKI, A. L. On the influence of corn on the fattening success and slaughter quality of swine. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):5-14. Ref. Feb.1966. 389.78 Z3
English summary.
- 57918 KIELANOWSKI, J. Conversion of energy and the chemical composition of gain in bacon pigs. Anim. Prod. 8(1):121-128. Ref. Feb.1966. 49 An55
- 57919 KITCHELL, A. G., and INGRAM, M. The ef-fect on the bacterial flora of Wiltshire bacon of feeding sugar to pigs before slaughter. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:105-113. 1962,pub.1965. TP368.15
- 57920 KURELEC, V., and FARKAS, MRS. B. Feed-ing experiments with sow concentrates. (Hu) Allattenyesztes 15(1):57-66. Ref. Mar.1966. 49 AL57
English summary.
- 57921 LANG Q., J. R., and others. Engorde de cer-dos con diferentes fuentes de carbohidratos [Fattening of swine with different sources of carbohydrates]. Costa Rica. Min. Agr. Ganad. Bol. Tec. 50,14 p. 1965. 8 C827
G. Echeverria A., N. C. Fine, R. Orlich, and A. Carrillo, joint authors.
- 57922 LANGE, E. Variations in the feeding of breed-ing swine. (It) Suinicoltura 6(5):43-51. Ref. May 1965. 46.8 Su3
Includes formulas.
- 57923 LEIBHOLZ, J. M., and others. Potassium, protein and basic amino acid relationships in swine. J. Anim. Sci. 25(1):37-43. Ref. Feb. 1966. 49 J82
J. T. McCall, V. W. Hays, and V. C. Speer, joint authors.
Feeding.
- 57924 LODGE, G. A., ELSLEY, F. W. H., and MAC-PHERSON, R. M. The effects of level of feed-ing of sows during pregnancy. I. Reproductive performance. Anim. Prod. 8(1):29-38. Ref. Feb.1966. 49 An55
- 57925 LODOVICH, L. Feeding of swine. (It) Suini-cultura 6(11):17-26. Ref. Nov.1965. 46.8 Su3
Value of various feeds.
- 57926 LUCE, W. G. The availability of niacin in cer-tain cereal grains for swine. Diss. Abs. 26(9):4928. Mar.1966. 241.8 M58
- 57927 MADSEN, A., MASON, V. C., and WEIDNER, K. The effect of heated and unheated fish meals on protein synthesis, daily gain and carcass composition of pigs. 3. Acta Agr. Scand. 15(3/4):213-234. Ref. 1965. 11 Ac82
- 57928 MEADE, R. J., DUKELOW, W. R., and GRANT, R. S. Influence of percent oats in the diet, ly-sine and methionine supplementation and of pelleting on rate and efficiency of gain of growing pigs, and on carcass characteristics. J. Anim. Sci. 25(1):58-63. Ref. Feb.1966. 49 J82

- 57929 MEADE, R. J., DUKELOW, W. R., and GRANT, R. S. Lysine and methionine additions to corn-soybean meal diets for growing swine: effects on rate and efficiency of gain and carcass characteristics. *J. Anim. Sci.* 25(1):78-82. Ref. Feb.1966. 49 J82
- 57930 MENTLER, L. Experiment with roughly pulped sugar beets in feeding of nursing and fattening sows. (Hu) *Allattenyesztes* 15(1):43-55. Mar. 1966. 49 AL57
English summary.
- 57931 MILLER, E. R. Multiple criteria are key in building pigs' feeds today. *Feed Bag Red Book* 1966:123-124,126-128,130. Ref. 389.78 F322
- 57932 MOCORRO, D. A., and RIGOR, E. M. The protein requirement of growing-finishing pigs under two feeding regimes. *Philippine Agr.* 49(1):16-22. Ref. June 1965. 25 P542
- 57933 MUNCHBERG, F., and TSCHIDERER, K. Individual feeding experiments on fattening swine with medicinal mud supplement. (Ge) *Wien. Tierarztl. Monatsschr.* 52(12):1037-1043. Dec.1965. 41.8 T345
English summary.
- 57934 NIELSEN, H. E., and others. Vitamin A content in colostrum and milk from sows given vitamin A orally as cod liver oil or in a dry synthetic form. *Acta Agr. Scand.* 15(3/4):235-244. Ref. 1965. 11 Ac82
N. J. Hojgaard-Olsen, W. Hjarde, and E. Leerbeck, joint authors.
- 57935 NOLAND, P. R., SCOTT, K. W., and BAUGUS, C. A. Reduce sow feeding cost with pasture. *Ark. Farm Res.* 15(1):3. Jan./Feb.1966. 100 Ar42F
During gestation.
- 57936 PETTERSSON, A. Favorable results with the use of a sow ready for weaning as nurse sow. (Sw) *Svinskotsel* 55(9):260-261. 1965. 46.9 Sv2
- 57937 PICCIONI, M. Utilization and limits of use of whey. (It) *Suinicoltura* 6(10):27-30. Oct.1965. 46.8 Su3
As swine feed.
- 57938 POND, W. G. Dietary protein and amino acid levels for maximum growth and carcass leanness of swine. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:19-25. Ref. 389.9 Un342
- 57939 POND, W. G., CHAPMAN, P., and WALKER, E. Influence of dietary zinc, corn oil and cadmium on certain blood components, weight gain and parakeratosis in young pigs. *J. Anim. Sci.* 25(1):122-127. Ref. Feb.1966. 49 J82
- 57940 REGENBRECHT, E. M., and TANKSLEY, T. D. Feeding swine. (Sp) *Asoc. Argent. Criadores Cerdos. Rev.* 44(519):29,31,33. Nov.1965. 46.9 As5
- 57941 ROBINSON, D. W., and SINGLETON, A. G. The effect of norbolethone, an anabolic steroid, on the performance and body composition of castrate pigs. *Anim. Prod.* 8(1):65-73. Ref. Feb. 1966. 49 An55
Included in finishing diets.
- 57942 ROBINSON, D. W. Sex differences in the response of pigs to dietary amino-acid supplementation, with reference to growth and body composition. *J. Sci. Food Agr.* 17(1):1-6. Ref. Jan.1966. 382 So12
- 57943 SCHULTZ, J. R., and others. Influence of feed intake and progesterone on reproductive performance in swine. *J. Anim. Sci.* 25(1):157-160. Ref. Feb.1966. 49 J82
V. C. Speer, V. W. Hays, and R. M. Melampy, joint authors.
- 57944 SZECSENYI, A., and FERENCZY, MRS. J. Comparison between feeding applied at swine progeny testing stations and commercial concentrates. (Hu) *Allattenyesztes* 15(1):67-77. Ref. Mar.1966. 49 AL57
English summary.
- 57945 TARDANI, A. Meat swine. (It) *Riv. Zootec.* 39(1):17-39. Jan.1966. 49 R52
Feed formulas and feed relationships, the breeds, and growth.
- 57946 THOMKE, S., and PERSSON, K. A. Liquid versus non-liquid feed for swine. (Sw) *Svinskotsel* 55(10):296-297,299-300. 1965. 46.9 Sv2
Effects on carcass quality.
- 57947 THOMKE, S., DAHL, O., and PERSSON, K. A. Tocopherol and selenium in pig rations, including an assessment of meat quality parameters. *Acta Agr. Scand.* 15(3/4):262-274. Ref. 1965. 11 Ac82
- 57948 VANSCHOUBROEK, F., WILDE, R. DE, and SPAENDONCK, R. VAN. The influence of nicotine sulphate on weight gain, feed conversion efficiency and slaughter quality of fattening pigs. (Fl) *Vlaams Diergeneesk. Tijdschr.* 34(6):253-259. June 1965. 41.8 V84
English summary.
- 57949 WHITELAW, A. W. W., and others. The effect of protein level in creep feed on the growth rate and body composition of suckling pigs. *J. Agr. Sci. [London]* 66(2):203-209. Ref. Apr.1966. 10 J822
F. W. H. Elsley, A. S. Jones and A. W. Boyne, joint authors.
Scotland.
- 57950 YOUNG, E. P. Early nutritional influence on swine carcass characteristics. *Md. Univ. Nutr. Conf. Feed Manufacturers. Proc.* 1966:74-76. 289.9 Un342

Veterinary Medicine

- 57951 ABEL, K., and VOIGT, A. The importance of tuberculosis bacteria in blood of slaughter swine in relation to the production of blood meal for feed. (Ge) *Monatsh. Veterinarmed.* 20(23):961-964. Ref. Dec.1,1965. 41.8 M742
Disease transmission aspect.
- 57952 ANDERSON, L. L., DYCK, G. W., and RATH-MACHER, R. P. Pituitary gonadotrophic activities following luteal enucleation in the pig. *Endocrinology* 78(4):897-900. Ref. Apr.1966. 448.8 En2
- 57953 ANTIPIN, V., and TOVSTUKHO, K. Vaccination against salmonellosis in swine. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 8:35. Aug.1965. 281.9 Se44
- 57954 ASSO, J., AYNAUD, J. M., and PORTALIER, R. Sensibility to acidity of foot-and-mouth disease virus strains non-pathogenic to swine. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(5):585-588. Ref. Jan.31,1966. 505 P21
- 57955 BAROCSAI, GY. Some practical experiences in brucellosis immunization. (Hu) *Termelozovetkezetek Tanacsadoja* 49:7. Dec.8,1965. 280.28 T272
Swine.
- 57956 BAVNHOF, A. H. J. A case of intestinal prolapse of pig with special complication. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(5):202. Mar.1,1966. 41.9 D23
- 57957 BEKKUM, J. G. VAN. Serological aspects of the vaccination against hog cholera with crystal violet vaccine. *Tijdschr. Diergeneesk.* 91(3):149-170. Ref. Feb.1,1966. 41.8 T431
- 57958 BENDIXEN, H. J., and BORGES, H. C. Occurrence of Aujeszky's disease in swine in Denmark. (Da) *Nord. Veterinaarmed.* 17(12):657-671, map. Ref. Dec.1965. 41.8 N813
English summary.
- 57959 BERGELAND, M. E. Studies of a porcine enterotoxemia caused by *Clostridium perfringens* type C. *Diss. Abs.* 26(8):4587-4588. Feb.1966. 241.8 M58
- 57960 BERGMANN, V. Situation of swine diseases in the years of 1959-1964 according to sectional information. (Ge) *Monatsh. Veterinarmed.* 20(21):882-889. Nov.1,1965. 41.8 M742

- 57961 BOHNE, F. Foot and mouth disease epidemic in Lower Saxony. 2. (Ge) Deut. Tierarztl. Wochenschr. 73(5):102-108, map. Mar. 1, 1966. 41.8 D482
Includes control measures in swine herds.
- 57962 BOHNE, F. Foot-and-mouth disease outbreak in Lower Saxony. (Ge) Deut. Tierarztl. Wochenschr. 73(4):73-79, map. (Cont.) Feb. 15, 1966. 41.8 D482
Swine.
- 57963 BOLLWAHN, W. Contribution to semiological and diagnostical problems concerning separation of the femoral epiphysis in pigs. (Ge) Deut. Tierarztl. Wochenschr. 72(14):321-324. July 15, 1965. 41.8 D482
English summary.
- 57964 BOLLWAHN, W. A contribution to the treatment of actinomycosis of the udder of sows. (Ge) Deut. Tierarztl. Wochenschr. 72(22):519-521. Nov. 15, 1965. 41.8 D482
English summary.
With penicillin-streptomycin.
- 57965 BOLLWAHN, W., and SCHULZE-STEINEN, H. Efficiency of prophylactic anemia treatment in piglets. (Ge) Deut. Tierarztl. Wochenschr. 72(14):324-327. July 15, 1965. 41.8 D482
English summary.
With iron compounds.
- 57966 BOULEY, G. Study of a strain of *Actinobacillus suis* (Van Dorssen et Jaartsveld) isolated in Normandy. (Fr) Rec. Med. Vet. 142(1):25-29. Jan. 1966. 41.8 R24
English summary.
- 57967 BRAUNITZER, G., and KOHLER, H. Phylogeny of the hemoglobin molecule: research on the hemoglobin of swine. (Ge) Hoppe-Seyler's Z. Physiol. Chem. 343(4/6):290-293. Ref. 1966. 384 Z38
English summary.
- 57968 BREESE, S. S., and DEBOER, C. J. Electron microscope observations of African swine fever virus in tissue culture cells. Virology 28(3):420-428. Ref. Mar. 1966. 448.8 V81
- 57969 BRETH, F. E. A new test for detecting hog cholera. (It) Suinicoltura 6(5):73. May 1965. 46.8 Su3
- 57970 BURDELEV, T. E., and ZHIL'TSOV, V. G. Dehelminthization regime for swine during ascariasis. (Rus) Veterinariya 9:48-50. Sept. 1965. 41.8 V6426
- 57971 BURGER, L. Subcutaneous synovial bursae of swine with special emphasis on the occurrences in the fore limbs. (Ge) Wien. Tierarztl. Monatsschr. 53(4):278-281. Apr. 1966. 41.8 T345
English summary.
- 57972 CAHILL, V. R., and others. The effect of castration and diethylstilbestrol treatment in swine on the quantity and quality of pork. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:65-73. 1962, pub. 1965. TP368.I5
H. S. Teague, R. F. Plimpton, F. E. Deatherage, and L. E. Kunkle, joint authors.
- 57973 CAMPBELL, W. C., and CUCKLER, A. C. Further studies on the effect of thiabendazole on trichinosis in swine, with notes on the biology of the infection. J. Parasitol. 52(2):260-279. Ref. Apr. 1966. 448.8 J824
- 57974 CATENOT-GENTILETTI, C. Pancreatite aigue necrosante steatorrheique d'allure enzootique chez le porc d'engrais [Acute necrotic steatorrheal pancreatitis of enzootic type in fattening swine]. Lyon. Ecole Nat. Vet. These 27,68 p. Ref. 1965. 41.2 L99
- 57975 CHWALIBOG, J., OSYCZKO, W., and BARTOSZ, B. Observations on the occurrence of Aujeszky's disease in the Zielona Gota province. (Pol) Med. Weter. 21(12):728-729. Dec. 1965. 41.8 M463
Swine.
- 57976 CLARK, F. J. A study of the monosynaptic reflex system of the pig. Diss. Abs. 26(3):1731. Sept. 1965. 241.8 M58
- 57977 COWAN, F. T., and MACPHERSON, J. W. The reproductive tract of the porcine female (a biometrical study). Can. J. Comp. Med. Vet. Sci. 30(4):107-108. Apr. 1966. 41.8 C162
- 57978 COX, J. L., BECKER, D. E., and JENSEN, A. H. Electrocardiographic evaluation of potassium deficiency in young swine. J. Anim. Sci. 25(1):203-206. Feb. 1966. 49 J82
- 57979 CROMWILK, W. A. J., HARDEMAN, Y. H. P., and RELJENGA, S. Hormonal treatment of anaphrodisia in sows. (Du) Tijdschr. Diergeneesk. 91(7):438-443. Apr. 1, 1966. 41.8 T431
English summary.
- 57980 CSONTOS, L., and SZEKY, A. Macro- and microscopic lesions in the nasopharyngeal cavity of pigs affected with Aujeszky's disease. (Hu) Magyar Allatorv. Lapja 21(2):53-56. Feb. 1966. 41.8 V644
English summary.
- 57981 CSONTOS, L. Virus diarrhea of swine. (Hu) Magyar Mezogazdasag 21(9):20. Mar. 2, 1966. 19 M27
- 57982 DANNENBERG, H. D., and RODEMERK, R. Further contribution on atrophic rhinitis and enzootic pneumonia of swine. (Ge) Monatsh. Veterinarmed. 21(1):12-16. Jan. 1, 1966. 41.8 M742
- 57983 DARDIRI, A. H., SEIBOLD, H. R., and DELAY, P. D. The response of colostrum-deprived, specific-pathogen-free pigs to experimental infection with Teschen disease virus. Can. J. Comp. Med. Vet. Sci. 30(3):71-81. Ref. Mar. 1966. 41.8 C162
DAVIS, J. W., and THOMAS, H. R. The use of gallimycin injectable, erythromycin and furazolidone water mix in a problem herd of SPF [specific pathogen free] sows. Vet. Med./Small Anim. Clin. 61(1):62-63. Jan. 1966. 41.8 M69
- 57984 DEANE, R. F., and GARRY, R. C. The behaviour of the ureter of the pig recorded by the Trendelenburg technique. J. Physiol. 183(1):36P-37P. Mar. 1966. 447.8 J82
- 57985 DEOM, J. Prophylaxis of epizootic foot-and-mouth disease in swine. (It) Suinicoltura 6(10):31-32. Oct. 1965. 46.8 Su3
- 57986 DOMAN, L. Mass mortality of sucking pigs due to mammary dermatitis of dams. (Hu) Magyar Allatorv. Lapja 21(3):133-134. Mar. 1966. 41.8 V644
English summary.
- 57987 DRIEUX, H., and others. Research on the persistence of the virus of classic hog cholera in semi-conserved ham. (Fr) Acad. Vet. France. Bull. (n.s.) 38(9):423-434. Nov. 1965. 41.9 R24
A. Lucas, B. Larenaudie, J. Haag, and J. Rozier, joint authors.
- 57988 DUMES, J. Contribution a l'etude des chocs seriques et vaccinaux dans l'espece porcine [Contribution to the study of shock caused by serum and vaccines in swine]. Lyon. Ecole Nat. Vet. These 52,71 p. Ref. 1965. 41.2 L99
- 57989 DZIABA, K., and BICKHARDT, K. The occurrence of antibodies against horse protein in swine. (Ge) Deut. Tierarztl. Wochenschr. 72(24):565-567. Ref. Dec. 15, 1965. 41.8 D482
English summary.
Serum for swine erysipelas immunization.
- 57990 DZIABA, K., and PLONAIT, H. On the technic of oral sulfonamide therapy in groups of swine. (Ge) Deut. Tierarztl. Wochenschr. 73(2):25-31. Jan. 15, 1966. 41.8 D482
English summary.
- 57991 EGOSHIN, I. S., SHERGIN, E. V., and VIDOMSKII, E. V. Effectiveness of medical preparations in treatment of infectious atrophic rhinitis in swine. (Rus) Veterinariya 10:36-38. Oct. 1965. 41.8 V6426
- 57992 EJKMEIER, H., HARTWICH, J., and MULLER, U. Studies on the causes of non-specific bacterial infections of piglet. (Ge) Prakt. Tierarzt 47(2):53-55. Feb. 1, 1966. 41.8 P882

- 57994 EREMEEV, M. N. Hemolytic *Escherichia coli* in edema disease of baby pigs. (Rus) Veterinariya 10:100-101. Oct.1965. 41.8 V6426
- 57995 ERLER, W. Studies on the type specific hapten of swine erysipelas bacteria, type B. (Ge) Monatsh. Veterinarmed. 21(3):109-110. Feb.1, 1966. 41.8 M742
English summary.
- 57996 ESTOLA, T., and SCHULMAN, A. Isolation of SEP agent from pigs with enzootic pneumonia in Finland. Acta Pathol. Microbiol. Scand. 66(1):113-123. Ref. 1966. 44.8 Ac8
- 57997 ESTOLA, T. Respiratory diseases in pigs, a review of etiologic factors. (Fi) Suomen Eläinlääkärilehti 72(45/84):45-55. Ref. Feb. 1966. 41.8 F49
English summary.
- 57998 FEKETE, L. Brucellosis of swine and breeding selection. (Hu) Termelőszövetkezetek Tanácsadoja 49:5. Dec.8,1965. 280.28 T272
- 57999 GALLINA, L. The drama of birth. (It) G. Agr. 76(10):106. Mar.6,1966. 16 It1G
Swine.
- 58000 GASSE, H., and GRIMPRET, J. Concerning the sterilization of cookery waste products in the prevention of hog cholera. (Fr) Acad. Vet. France. Bull. (n.s.)38(9):435-437. Nov.1965. 41.9 R24
Use of processed garbage as feed, in France.
- 58001 GAUTHERON, D., and PIALOUX, N. Compared effects of coenzyme A and of 2,4-dinitrophenol on the jump of adenosine triphosphate in the sarcosomes of the swine heart. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):186-189. Ref. Jan.3,1966. 505 P21
- 58002 GENCI, L. A contribution to the determination of coefficients of digestibility in pigs by the use of chromic oxide. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevádzkovo-Ekon. Fak. Sb. 8:225-238. Ref. 1964. 281.9 N632
English summary.
- 58003 GLAWISCHNIG, E. Problems in piglet rearing. (Ge) Wien.Tierarztl. Monatsschr. 52(11):985-997. (Concl.) Ref. Nov.1965. 41.8 T345
Diseases.
- 58004 GOMES, W. R. Progesterone levels in ovarian venous effluent of the non-pregnant sow. Diss. Abs. 26(3):1733. Sept.1965. 241.8 M58
- 58005 GOODWIN, R. F. W. Diarrhea in swine. (It) Suinicoltura 6(8/9):35-37. Aug./Sept.1965. 46.8 Su3
- 58006 GORET, "Current" swine pathology. (Fr) Tech. Lait., Spec.No.13:29-32. Oct.25,1965. 44.8 Of2
- 58007 GORET, P. Swine brucellosis. (Fr) Tech. Lait. 3(spec.no.1):17-19. Mar.4,1966. 44.8 Of2
- 58008 GORN, N. P., and KURGANSKII, T. A. Effect of GPS organic preparation and agar tissue preparation on the organism of pigs. (Rus) Veterinariya 9:72-73. Sept.1965. 41.8 V6426
GPS, a preparation from liver extract, gastric juice, and pancreatic juice.
- 58009 GREVE, H. Practice observations in outbreaks of foot-and-mouth disease in swine stock. (Ge) Deut. Tierarztl. Wochensh. 73(5):108-109. Mar.1,1966. 41.8 D482
English summary.
In reference to article by G. Leu.
- 58010 GRIFFIN, S. A., and LIDVALL, E. R. Fural-tadone for pigs, from birth to market. Tenn. Farm Home Sci. Progr. Rep. 56:19-21. Oct./Dec.1965. 100 T25F
In rations, to control scours and stimulate growth.
- 58011 GUARDASONI, M. An even and an uneven number of teats. (It) Suinicoltura 6(8/9):49-50. Aug./Sept.1965. 46.8 Su3
Considerations on nursing sows.
- 58012 HALL, R. E., and TODD, A. C. Prevalence of internal parasites in Wisconsin specific pathogen-free swine. Amer. Vet. Med. Ass. J. 148(8):902-907. Ref. Apr.15,1966. 41.8 Am3
- 58013 HALL, R. E. TGE-transmissible gastroenteritis in Wisconsin. Wis. Univ. Ext. Circ. 649, 6 p.-folder. Feb.1966. 275.29 W75C
- 58014 HAMACHER, J. Repositioning of the uterus of swine. (Ge) Prakt. Tierarzt 47(2):56. Feb.1, 1966. 41.8 P882
- 58015 HAMORI, D. The inheritance of agenesis musculi sphincteris ani in piglets. (Hu) Magyar Allatorv. Lapja 21(1):41-42. Jan.1966. 41.8 V644
English summary.
- 58016 HARTWICH, J., and MULLER, U. On the distribution of Mycoplasma in swine. (Ge) Tierarztl. Umsch. 21(3):103-108. Ref. Mar.1, 1966. 41.8 T445
English summary.
Bacteriological study in enzootic pneumonia and atrophic rhinitis.
- 58017 HEAP, R. B., and HOLZBAUER, M. Gas chromatography of androgens, progesterone and progesterone derivatives in adrenal venous blood of pigs and dogs. J. Physiol. 183(1):11P. Mar.1966. 447.8 J82
- 58018 HOOPER, B. E., and HAELTERMAN, E. O. Growth of transmissible gastroenteritis virus in young pigs. Amer. J. Vet. Res. 27(116):286-291. Jan.1966. 41.8 Am3A
- 58019 HUTTIG, A. Is a bacteriological meat inspection necessary in erysipelas and swine pest? (Ge) Arch. Lebensmittelhyg. 17(2):40. Feb. 1966. 41.8 L49
In reference to article by H. Brandes.
- 58020 IMLAH, P. The functions and purpose of blood grouping in pigs. Pig Breeders' Gaz. 125:30-32. Apr.1966. 46.8 N21
- 58021 JONES, H. W. Hemoglobin, hematocrit and erythrocyte levels in the young pig as influenced by the pre-partum, post-partum feeding regimen of the dam. Diss. Abs. 26(8):4143. Feb.1966. 241.8 M58
- 58022 KANOE, M., TODA, M., and MINAMI, T. Studies on Clostridium welchii. I. Cultural method and distributions in pig feces and soil. (Ja) Yamaguti. Univ. Fac. Agr. Bull. 15:573-582. 1964. 107.6 Y14
English summary.
- 58023 KARLSSON, B. W. Antigenic constituents in porcine milk throughout the sow's lactation period with special reference to colostrum. Arkiv Zool. (ser.2)18(1):33-50. Ref. 1965. 410.9 Sv22
- 58024 KAULENAS, M., and FAIRBAIRN, D. Induction of permeability in infective and uninfected eggs of Ascaris lumbricoides. J. Parasitol. 52(2):303-306. Apr.1966. 448.8 J824
In swine ascariasis.
- 58025 KAWAKUBO, A., and others. Results of a neutralizing antibody survey on immunized pigs without clinical manifestation on a swine farm contaminated with hog cholera virus. (Ja) Jap. Vet. Med. Ass. J. 18(11):37-41. 1965. 41.9 J275
T. Samejima, M. Fujino, M. Muramatsu, H. Sonoyama, and Y. Mori, joint authors.
English summary.
- 58026 KÖNOPATKIN, A. A., and DUSHUK, R. V. Immunity of swine inoculated with virus-strain-K vaccine. (Rus) Veterinariya 10:38-39. Oct. 1965. 41.8 V6426
Hog cholera.
- 58027 KORN, G. Swine pest continues to be a danger! (Ge) Mitt. Deut. Landwirt.-Ges. 81(8):296,298. Feb.24,1966. 18 N39

- 58028 KOSZTOLICH, O. An experiment in prophylactic influencing of edema disease by alimentary methods. (Ge) *Prakt. Tierarzt* 47(4):155-156. Apr.1,1966. 41.8 P882
Swine.
- 58029 KOVALENKO, N. A. Metabolism of fattened swine as affected by different amount of soluble carbohydrates in sugar beet diet. (Rus) *Zhivotnovodstvo* 2:72-75. Feb.1966. 49 Z6
- 58030 KRATZER, D. D. Learning behavior in swine. *Diss. Abs.* 26(9):4927. Mar.1966. 241.8 M58
- 58031 KUPFERSCHMIED, H. Inquiries on the occurrences of anestrus of swine and results of gonadotropin treatment. (Ge) *Schweiz. Arch. Tierheilk.* 108(1):14-23. Ref. Jan.1966. 41.8 Sch9
English summary.
- 58032 LAGNEAU, F. Agalactia of the sow. (Fr) *Tech. Lait., Spec.No.* 13:33-37. Oct.25,1965. 44.8 Of2
- 58033 LARROUX, C. M., and SOULAGES, C. A. Anemia in baby pigs. (Sp) *Asoc. Argent. Criadores Cerdos. Rev.* 44(519):15-17,19,21,23. Ref. Nov.1965. 46.9 As5
- 58034 LARROUX, C. M., and SOULAGES, C. A. The importance of good placement of teats. (Sp) *Asoc. Argent. Criadores Cerdos. Rev.* 44(519):25,27. Nov.1965. 46.9 As5
Especially as a hereditary characteristic of sows.
- 58035 LEBEDEV, P. T. Zoohygienical measures for prophylaxis of infectious atrophic rhinitis in pigs. 7 p. (TT 62-14848) *Transl.* 15379
Translation from *Veterinariya* 1:66-69. Jan.1962.
Issued by CFSTI.
- 58036 LÉCOMPTE, M. Importance of "inspection facilities" in the examination of meat from swine. (Fr) *Acad. Vet. France. Bull.* (n.s.)38 (8):361-369. Oct.1965. 41.9 R24
In France; especially investigation of tuberculosis.
Includes discussion.
- 58037 L'ECUYER, C., and JERICHO, K. Exudative epidermitis in pigs: etiologial studies and pathology. *Can. J. Comp. Med. Vet. Sci.* 30(4):94-101. Ref. Apr.1966. 41.8 C162
- 58038 LEDET, A. E., and GREVE, J. H. Lungworm infection in Iowa swine. *Amer. Vet. Med. Ass. J.* 148(5):547-549. Ref. Mar.1,1966. 41.8 Am3
Caused by *Metastrongylus*.
- 58039 LELAND, S. E., and NEAL, F. C. Field evaluation of injectable trichlorphon in the treatment of patent *Strongyloides ransomi* infection of young pigs. *Amer. J. Vet. Res.* 27(116):280-285. Jan.1966. 41.8 Am3A
- 58040 LIKHACHEV, N. V., BORISOVICH, YU. F., and SKALINSKII, E. I. Susceptibility of pigs to poultry pox viruses. (Rus) *Veterinariya* 9:25-28. Sept.1965. 41.8 V6426
- 58041 LIPANOWICZ, J. The so-called "epizootic eczema" of piglets. (Pol) *Med. Weter.* 21(12):726-728. Dec.1965. 41.8 M463
Exudative epidermitis.
- 58042 LONG, J. F., KOESTNER, A., and KASZA, L. Infectivity of three porcine polioencephalomyelitis viruses for germfree and pathogen-free pigs. *Amer. J. Vet. Res.* 27(116):274-279. Ref. Jan.1966. 41.8 Am3A
- 58043 LUDVIGSEN, J. B. New views on the causes of rhinitis. (Da) *Landbonyt* 19(9):311-312,314-316,342. Sept.1965. 11 L2322
Of swine.
- 58044 LUGOMER, V. Experiments in producing aluminum hydroxide adsorbent vaccine against swine fever. 12 p. Ref. *Transl.* 14587
Translation from *Veterinarski Glasnik* 10:367-373. Oct.1940.
- 58045 MANSSON, I. The intestinal flora in pigs with parakeratosis with special reference to atypical *Clostridium perfringens*. *Potsdam. Inst. Ernahr. Ernährungsforsch.* 10(2/3):453-455. 1965. 386.3 P84
- 58046 MARE, C. J. Characterization of a causative agent of virus pneumonia of pigs (VPP). *Diss. Abs.* 26(9):5380-5381. Mar.1966. 241.8 M58
- 58047 MARTINAZZOLI, U. Iron deficiency anemia in baby pigs. (It) *Agr. Italia* 11(6):59-61,63-65, 67-69,71-73,75-79. June 1965. 16 Ag8232
- 58048 MATTHIAS, D., ILLNER, F., and BAUMANN, G. Studies on the pathogenesis of gastrointestinal changes in the infectious gastroenteritis of swine. (Ge) *Monatsh. Veterinarmed.* 20 (23):957-958. Dec.1,1965. 41.8 M742
- 58049 MAYR, A., NEUBRAND, K., and MAHNEL, H. Epidemic outbreak of idiopathic swine pox in Bavaria. (Ge) *Tierarztl. Umsch.* 21(3):124-132, map. Mar.1,1966. 41.8 T445
- 58050 MCQUITTY, J. B., and MCALLISTER, J. S. V. Toxic gases from pig slurry. *Agr. Northern Ireland* 40(6):179-181. Oct.1965. 256.13 Ag82M
- 58051 MÊLAMPY, R. M., and others. Pituitary follicle-stimulating hormone and luteinizing hormone concentrations in pregnant and lactating pigs. *Endocrinology* 78(4):801-804. Ref. Apr.1966. 448.8 En2
D. M. Henricks, L. L. Anderson, C. L. Chen, and J. R. Schultz, joint authors.
- 58052 MENASCE, I. The phenomenon of the double potentiation of a vaccine by adsorption on aluminum hydroxide followed by emulsion with mineral oil. I. *Erysipelothrix rhusiopathiae*. 4 p. *Transl.* 14585
Translation from *Societa Italiana delle Scienze Veterinarie. Atti* 16(2):619-622. 1962.
- 58053 MERRIMAN, G. M. Rabies in Tennessee swine. *Amer. Vet. Med. Ass. J.* 148(7):809-811. Apr.1,1966. 41.8 Am3
- 58054 MESZAROS, J. Diagnosis of swine brucellosis in relation to control. (Hu) *Termeloszovetkezetek Tanacsadoja* 49:3-4. Dec.8,1965. 280.28 T272
- 58055 MICKWITZ, G. VON, and REINHARD, H. J. Experiments on electric anaesthesia in swine. (Ge) *Deut. Tierarztl. Wochensh.* 73(3):49-56. Ref. Feb.1,1966. 41.8 D482
English summary.
- 58056 MUGGENBURG, B. A., and others. Experimental production of gastric ulcers in swine by histamine in mineral oil-beeswax. *Amer. J. Vet. Res.* 27(116):292-299. Jan.1966. 41.8 Am3A
T. Kowalczyk, N. A. Reese, W. G. Hoekstra, and R. H. Grummer, joint authors.
- 58057 MULLING, M., and BENTHIEN, H. A. The treatment of udder actinomycosis in pigs with intratumoral applications of penicillin-streptomycin. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 78(24):465-468. Ref. Dec.15,1965. 41.8 B45
English summary.
- 58058 MUNKER, J. Thoracopagus of swine. (Ge) *Prakt. Tierarzt* 47(2):55. Feb.1,1966. 41.8 P882
- 58059 NAYAK, D. P. Epizootiology of swine influenza. *Diss. Abs.* 26(3):1292. Sept.1965. 241.8 M58
- 58060 NELSON, L. W. Nitrite toxicosis and the gastric ulcer complex in swine. *Diss. Abs.* 26(8):4140-4141. Feb.1966. 241.8 M58
- 58061 NOBIS, U. Atmung, Puls und Temperatur des Schweines nach Bewegung und die Zeitspanne bis zur Rückkehr der Ausgangswerte [Respiration, pulse and temperature of swine following exercise and time span to the return of the initial values]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 7,45 p. Ref. 1965. 41.2 H198

- 58062 NOVIKOV, V. M. Method of isolating pure swine erysipelas culture. (Rus) Veterinariya 10:101-102. Oct.1965. 41.8 V6426
Erysipelothrix insidiosa.
- 58063 OGRYZKOV, S. E. Pathomorphology of acute selenium toxicosis in pigs. (Rus) Veterinariya 9:65-66. Sept.1965. 41.8 V6426
- 58064 OMEL'CHENKO, L. A. Histological analysis of infectious atrophic rhinitis in swine. (Rus) Veterinariya 10:36. Oct.1965. 41.8 V6426
Effect on nervous system.
- 58065 OSLAGE, H. J., and others. Nitrogen, fat, and energy deposition in growing fattening swine. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21(1):50-65. Ref. Feb.1966. 389.78 Z3
H. Fliegel, F. E. Farries, and K. Richter, joint authors.
English summary.
- 58066 PALMER, W. M. Macroscopic and microscopic changes in the reproductive tract of the lactating sow. Diss. Abs. 26(3):1262-1263. Sept.1965. 241.8 M58
- 58067 PEDERSEN, J. G. A. On reduced tolerance to iron in pigs. (Da) Nord. Veterinaarmed. 18(1):1-18, map. Ref. Jan.1966. 41.8 N813
English summary.
- 58068 PEKAS, J. C., THOMPSON, A. M., and HAYS, V. W. Characteristics of the exocrine pancreatic secretion of the young pig. J. Anim. Sci. 25(1):113-121. Ref. Feb.1966. 49 J82
- 58069 PESTI, L. Bacterial flora in the inflamed intestinal canal of swine. (Ge) Potsdam. Inst. Ernahr. Ernährungsforsch. 10(2/3):456-464. 1965. 386.3 P84
- 58070 PETTE, J. Present information about ECSO [enteric-cytopathogenic-swine-orphan] viruses. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(1):6-10. Ref. Jan.1,1966. 41.8 B45
English summary.
- 58071 PFEIFFER, H., and SUPPERER, R. Studies on the Strongyloides genus. VII. Concluding investigations on the prenatal invasion in swine. (Ge) Wien. Tierarztl. Monatsschr. 53(2):90-94. Feb.1966. 41.8 T345
English summary.
Includes thiabendazole treatment of Strongyloides ransomi infestation.
- 58072 PHAM-HUU-DOANH, PHAM-NHAT-LE, and DO-THI-HUE. Prevention of scours in baby pigs: litter for nursing sows. Khoa Hoc Ky Thuat Nong Nghiep 42(6):367-371. June 1965. 22.5 K52
Text in Vietnamese.
- 58073 PIROG, P. P., and KRAVTSOV, B. A. Possible use of microscopic fluorescence to investigate Leptospira in swine. (Rus) In Opyt bor'by s boleznyami svinei v Irkutskoi Oblastii. 1964: 56-59. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.B):69. Nov.1965. 241.7 R25
- 58074 PLONAIT, H. Diagnosis and therapy of calcium metabolism disturbances in sow. (Ge) Deut. Tierarztl. Wochenschr. 72(24):567-568. Dec.15,1965. 41.8 D482
- 58075 POPE, C. D. Oedema disease can kill pigs. S. Australia J. Agr. 69(7):248-249. Feb.1966. 23 S084
- 58076 PREUSS, F. Applied anatomy with examples on swine. (Ge) Prakt. Tierarzt 47(3):103-105. Mar.1,1966. 41.8 P882
- 58077 RASMUSSEN, P. G. A study of enterovirus strains in Danish pigs. II. Nord. Veterinaarmed. 18(2):103-107. Feb.1966. 41.8 N813
- 58078 RAULIN, J., and others. Distribution of cis and trans fatty acids in the triglycerides of swine lymph. (Fr) Biochim. Biophys. Acta 116(2):385-388. Apr.4,1966. 381 B522
C. Lorient, J. Flanzky, and A. Rerat, joint authors.
- 58079 REESE, N. A., and others. Effects of corn, wheat, oats and alfalfa leaf meal on the development of gastric ulcers in swine. J. Anim. Sci. 25(1):21-24. Feb.1966. 49 J82
B. A. Muggenburg, T. Kowalczyk, W. G. Hoekstra, and R. H. Grummer, joint authors.
- 58080 REESE, N. A., and others. Nutritional and environmental factors influencing gastric ulcers in swine. J. Anim. Sci. 25(1):14-20. Ref. Feb.1966. 49 J82
B. A. Muggenburg, T. Kowalczyk, R. H. Grummer, and W. G. Hoekstra, joint authors.
- 58081 RENAULT, L., VALLEE, A., and QUINCHON, C. Principal serotypes of Escherichia coli isolated from swine in France (hemolytic strains). (Fr) Acad. Vet. France. Bull. (n.s.) 38(10):465-476. Ref. Dec.1965. 41.9 R24
In colibacillosis.
- 58082 ROBLJNS, K. G. The control of brucellosis suis. (Du) Tijdschr. Diergeneesk. 90(25):1746-1754, map. Dec.1965. 41.8 T431
English summary.
Discussion, p.1755,1758.
- 58083 ROMBAUTS, P., PUPIN, F., and TERQUI, M. Development of progesterone content in the corpus luteum of sow during the cycle of estrus and pregnancy. (Fr) Acad. Sci. Compt. Rend. 261(14):2753-2756. Ref. Oct.4,1965. 505 P21
- 58084 RYLE, A. P. Minor proteases in the stomach of the pig. Biochem. J. 98(2):485-487. Feb. 1966. 382 B52
- 58085 ST. CLAIR, R. W., BOOTH, N. H., and HOPWOOD, M. L. Influence of hypertension, sex, and estrogen on metabolism of swine arteries. Amer. J. Physiol. 210(4):880-884. Ref. Apr. 1966. 447.8 Am3
- 58086 ST. CLAIR, R. W. Metabolic characteristics of normal and hypertensive swine arteries. Diss. Abs. 26(9):5519. Mar.1966. 241.8 M58
- 58087 SAKUSABE, I., and others. Castration in swine by intratesticular injection with a medum. (Ja) Jap. Vet. Med. Ass. J. 18(11):9-14. 1965. 41.9 J275
Y. Kosuge, K. Hongo, and K. Kurokawa, joint authors.
English summary.
- 58088 SCATOZZA, F. Enzootic pneumonia of swine. (It) Suinicoltura 6(11):27-35. Ref. Nov.1965. 46.8 Su3
- 58089 SCHIMMEL, D. Some observations on atrophic rhinitis in pigs. (Ge) Monatsh. Veterinarmed. 21(2):56-58. Jan.15,1966. 41.8 M742
English summary.
- 58090 SCHMID, H. R. Digestive diseases of young pigs from clinicians' point of view. (Ge) Schweiz. Arch. Tierheilk. 108(2):57-68. Feb. 1966. 41.8 Sch9
English summary.
Diarrhea and gastroenteritis, chiefly.
- 58091 SCHMIDT, E. M. A study on the aortic nerve in swine. Diss. Abs. 26(3):1738-1739. Sept. 1965. 241.8 M58
- 58092 SCHULTZ, J. R. Luteal function and embryonic survival in swine. Diss. Abs. 26(9):5518. Mar. 1966. 241.8 M58
- 58093 SCHULZ, L. C. The most important pathological-anatomical characteristics in the differential diagnosis between iron deficiency and isohemolytic anemia of the newborn. (Ge) Deut. Tierarztl. Wochenschr. 73(5):109. Mar.1,1966. 41.8 D482
Piglets.
- 58094 SCHULZE, H. Histologische Untersuchungen der Schilddrüse des Schweines und des Rindes aus dem Raum Paderborn. 42. Beitrag zur geographischen Pathologie der Schilddrüse [Histological studies on the thyroid gland of swine and cattle from the Paderborn area. 42. Contribution to the geographic pathology of the thyroid gland]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 14,35 p. Ref. 1965. 41.2 H198

- 58095 SCHULZE, W. Clinical diagnosis of swine. (Gé) Deut. Tierarztl. Wochensh. 72(22):517-519. Nov.15,1965. 41.8 D482
- 58096 SCHULZE, W. A veterinarian's obligation in performing an operation of cryptorchid pigs. (Ge) Deut. Tierarztl. Wochensh. 72(22):529. Nov.15,1965. 41.8 D482
English summary.
- 58097 SCHWARTZ, B. Modern swine raising: internal parasites rob them of health and growth. I. (Sp) Agr. Amer. 14(8):60-62. Aug.1965. 58.8 Ag832
- 58098 SEIDEL, H., and BORNERT, D. Studies on swine. XXI. Catheterization of the right auricle, ventricle of the heart, arteria pulmonalis and vena cava cranialis. (Ge) Arch. Exp. Veterinarmed. 19(4):1139-1144. Mar.1,1966. 41.8 Ex7
- 58099 SELIVANOV, A. V., BUTUZOV, G. M., and TYAGUNINA, E. A. On passive immunity against leptospirosis in piglets. (Rus) Veterinariya 9:31-33. Sept.1965. 41.8 V6426
- 58100 SHINODA, J. Epizootiological surveys and prophylactic and therapeutic experiments on tardy colibacillosis in suckling piglets. (Ja) Jap. Vet. Med. Ass. J. 18(12):709-714. 1965. 41.9 J275
English summary.
- 58101 SIMON, F. The local reaction of intraosseous injected materials in pigs. (Hu) Magyar Allatorv. Lapja 21(3):122-127. Mar.1966. 41.8 V644
English summary.
- 58102 SKOLD, B. H., GETTY, R., and RAMSEY, F. K. Spontaneous atherosclerosis in the arterial system of aging swine. Amer. J. Vet. Res. 27(116):257-273. Ref. Jan.1966. 41.8 Am3A
- 58103 STADLER, E. Control of swine influenza in view of the practicing veterinarian. (Ge) Prakt. Tierarzt 47(4):201-204. Apr.1,1966. 41.8 P882
- 58104 STERZL, J., REJNEK, J., and TRAVNICEK, J. Impermeability of pig placenta for antibodies. Folia Microbiol. 11(1):7-10. Ref. 1966. 448.3 C332
- 58105 SUDARIC, F. Degenerative changes in alveolar and bronchial epithelium and in the blood vessels in pneumonia of differing etiology in pigs. (Ge) Berliner Munchener Tierarztl. Wochensh. 79(3):47-49. Ref. Feb.1,1966. 41.8 B45
English summary.
- 58106 SURJAN, J., and KOJNOK, J. Variations in the protein content and antibody level of blood serum of pigs hyperimmunized against Aujeszky's virus. (Hu) Magyar Allatorv. Lapja 20(11):487-490. Nov.1965. 41.8 V644
English summary.
- 58107 SWEENEY, E. J. The aetiology of dysentery of swine. Vet. Rec. 78(11):372-375. Ref. Mar.12,1966. 41.8 V641
Salmonella choleraesuis an essential factor.
- 58108 SYBESMA, W. Measurement of the variations in the development of rigor mortis in swine. (Du) Veeteelt Zuivelber. 9(1):27-32. Jan.1966. 49 V51
Importance in pork quality.
- 58109 TAYLOR, G. W. Hemoglobin levels in baby pigs born of sows fed ferro-lac swine formula. Vet. Med./Small Anim. Clin. 61(1):71-73. Jan. 1966. 41.8 M69
- 58110 TERPSTRA, J. I. About the diagnosis of a Brucella suis infection. (Du) Tijdschr. Diergeneesk. 90(25):1737-1745. Dec.1965. 41.8 T431
English summary.
Swine.
Discussion, p.1755,1758.
- 58111 TILGA, V. V. Control of infectious atrophic rhinitis in swine. (Rus) Veterinariya 10:34-35. Oct.1965. 41.8 V6426
- 58112 TODD, J. R., and LAWSON, G. H. K. Chocolate pigs. Describe a type of poisoning which can be caused by pigs drinking condensation water. Agr. Northern Ireland 40(10):311-312. Feb. 1966. 256.13 Ag82M
- 58113 TOPEL, D. G. Role of the adrenal cortex and thyroid gland function upon some physical and chemical properties of porcine muscle. Diss. Abs. 26(8):4561-4562. Feb.1966. 241.8 M58
- 58114 TRAN-VAN-DU, and HUARD, M. A test at titration of anti-hog cholera serums by hemagglutination. (Fr) Rec. Med. Vet. 142(2):107-115. Feb.1966. 41.8 R24
English summary.
Sensitized sheep erythrocytes.
- 58115 TRAVNICEK, J. Allotypic specificities in pigs. Folia Microbiol. 11(1):11-13. Ref. 1966. 448.3 C332
Gamma globulins.
- 58116 TREMERE, A. W., OWEN, B. D., and BELL, J. M. Relationship between blood serum lipid and protein constituents and carcass measurements in swine. J. Anim. Sci. 25(1):138-141. Ref. Feb.1966. 49 J82
- 58117 VALDIVIESO, A. Reasons why the government should continue purchasing serum against swine fever. 2 p. Transl. 14559
Immunization in Panama.
Translation from Revista de Agricultura, Comercio e Industrias 8(106):37-38. 1950.
- 58118 VODOVAR, N., FLANZY, J., and FRANCOIS, A. C. Penetration and advance of fats in the absorptive epithelial cells of the small intestine of swine. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(7):812-815. Feb.14,1966. 505 P21
- 58119 WAXLER, G. L., SCHMIDT, D. A., and WHITE-HAIR, C. K. Technique for rearing gnotobiotic pigs. Amer. J. Vet. Res. 27(116):300-307. Ref. Jan.1966. 41.8 Am3A
- 58120 WEAVER, M. E., JUMP, E. B., and MCKEÄÑ, C. F. The eruption pattern of deciduous teeth in miniature swine. Anat. Rec. 154(1):81-86. Ref. Jan.1966. 447.8 An1
- 58121 WESTERGAARD, J. M. Hernia perinealis of a sow. (Da) Danske Dyrægefor. Medlemsbl. 49(6):242-245. Ref. Mar.15,1966. 41.9 D23
- 58122 WILLEMSE, A. H., and BOENDER, J. A quantitative and qualitative analysis of oestrus in gilts. Tijdschr. Diergeneesk. 91(6):349-363. Ref. May 15,1966. 41.8 T431
- 58123 WISSDORF, H. The elbow joint—articulation cubiti—of the pig; principles for the injection of joints. (Ge) Deut. Tierarztl. Wochensh. 72(24):569-570. Ref. Dec.15,1965. 41.8 D482
English summary.
- 58124 YURKOV, G. G., ANDRIYAN, E. A., and VOLOSHCHUK, L. G. The study of experimental leptospirosis in pigs. (Rus) Veterinariya 9:33-35. Sept.1965. 41.8 V6426
- 58125 ZAKHAROVA, F. V. Changes in the development of young pigs and in their blood indexes during atrophic rhinitis. 10 p. (TT 62-14850) Transl. 15401
Translation from Veterinariya 1:43-46. Jan. 1962.
- 58126 ZIMMERMANN, W. J., and SCHWARTE, L. H. The transmission of hog cholera virus by Trichinella spiralis larvae. Can. J. Comp. Med. Vet. Sci. 30(3):84-86. Ref. Mar.1966. 41.8 C162

Miscellaneous

- 58127 ADAM, J. L., and SMITH, W. C. The use of sample joints in predicting the composition of the pig carcass. Anim. Prod. 8(1):85-94. Feb. 1966. 49 An55

- 58128 BERNARDINI, G. Directions in swine raising in Denmark. (It) Suinicoltura 6(8/9):51-55. Aug./Sept.1965. 46.8 Su3
- 58129 BOIKO, M. S., ANIS'KO, E. N., and ZHVIRBL-YA, M. A. Effects of microclimate in swine house on organism of swine. (Rus) Veterinariya 10:80-82. Oct.1965. 41.8 V6426
- 58130 BROWN, R. H. Hog and cattle activity increasing in Southeast. Feedstuffs 38(14):1,6-7. Apr.9,1966. 286.81 F322
- 58131 COPPERSMITH, R. L. Producing and marketing feeder pigs. Kans. State Univ. Ext. C-349, 12 p. Dec.1965. 275.29 K13Ex
- 58132 CSIRE, L. Practical method for fattening performance testing of swine. (Hu) Magyar Mezogazdasag 21(12):18-19. Mar.23,1966. 19 M27
- 58133 FOLTANYI, J., and LENCSEPETI, J. The construction of an up-to-date electric pig-stunning technology. (Hu) Budapest. Orszagos Husipari Kutatointezet. Evkon. 1964:23-37. 1965. 50.9 B85O
English summary.
- 58134 GERI, G. Possibilities of new directions in the production of meat swine. (It) Suinicoltura 6(5):33-42. May 1965. 46.8 Su3
- 58135 GIVENS, R. L., and HALE, O. M. Sprinkling swine under movable shades in the Southeast. Amer. Soc. Agr. Eng. Pap. 406,7 p. 1965. 290.9 Am32P
- 58136 HAINAUX, J. The evidence of a meat cooperative in full expansion: the Yonne swine slaughtering agricultural cooperative. (Fr) Inform. Doc. Agr. 19(11):40-45,47-49,51-53. June 1, 1965. 14 In32
- 58137 KALNITSKII, P. I. Veterinary and zootechnical service on swine-breeding farms is being improved. (Rus) Veterinariya 9:8-10. Sept. 1965. 41.8 V6426
- 58138 KOLACZYK, S., and KOTIK, T. A note on sex differences in muscle properties of pigs with special emphasis on colour. Anim. Prod. 8(1): 153-154. Feb.1966. 49 An55
Pork composition and color.
- 58139 LAI, P. The production of pork in Sardinia. (It) Nuovo Prog. Vet. 20(24):1156-1158. Dec.31,1965. 41.8 P942
- 58140 LANTSHEERE, W. V. DE., and SNICK, G. VAN. Summary of carcass competitions in swine. (Fr) Rev. Agr. [Brussels] 19(2):169-188. Feb. 1966. 13 R322
- 58141 MANGOLD, D. W., HAZEN, T. E., and HAYS, V. W. Effect of air temperature on performance of growing-finishing swine. Amer. Soc. Agr. Eng. Pap. 940,19 p. 1965. 290.9 Am32P
- 58142 PICCIONI, M. Meat and market pigs. (It) Esso Agr. 14(1):8-9. Dec.1965. 58.8 Es7
- 58143 SILVA, J. M. P. DA. Aspects of swine management. (Por) Gaz. Agr. [Lourenco Marques] 17 (190):66-76. Mar.1965. 24 G25
- 58144 TELLO, M. P. Swine raising. (Por) Gaz. Agr. [Lourenco Marques] 17(197):292-294. Oct.1965. 24 G25
- 58145 THOMKE, S., and PERSSON, K. A. Exercise trials with slaughter swine. (Sw) Svinssktsel 55(9):267-268,271-272. 1965. 46.9 Sv2
- 58146 ZANIBONI, G. Swine—a symbol. (It) Suinicoltura 6(8/9):17-24. Aug./Sept.1965. 46.8 Su3
In art.
- 58147 ZUCCHI, G. The shows of Reggio Emilia scan the evolution of the Italian swine industry. (It) Suinicoltura 6(5):27-32. May 1965. 46.8 Su3

ENTOMOLOGY

GENERAL

- 58148 AMERICAN MUSEUM OF NATURAL HISTORY. Ninety-sixth annual report, July, 1964, through June, 1965. New York, 1965. 109 p. 500 N483 Includes entomology.
- 58149 BLICKENSTAFF, C. C., ed. Corrections to list of common names of insects, 1965. Proposed changes in and additions to the list of common names of insects. Entomol. Soc. Amer. Bull. 12(1):6. Mar. 1966. 423.9 En8 Approved by the Committee on Common Names of the Entomological Society of America.
- 58150 CAMPRAG, D. Training entomologists in the biology faculties of the Soviet Union. (Se) Biljna Zastita 9(11/12):245-251. Nov./Dec. 1965. 464.8 B49
- 58151 FATZINGER, C. W., and PROVEAUX, M. T. Conversion equipment to produce a cyclic environment within constant temperature cabinets. Fla. Entomol. 48(4):227-237. Dec. 1965. 420 F662 To study insect behavior.
- 58152 HOFFMEISTER, H. Ecdysterone, a new metamorphosis hormone of insects. Angew. Chem. Int. Edition Engl. 5(2):248-249. Feb. 1966. 384 Z33I
- 58153 HOGUE, C. L. A field-note form for general insect collecting. Entomol. Soc. Amer. Ann. 59(1):230-233. Jan. 1966. 420 En82
- 58154 IVERSON, L. G. K. RICP [Regional Insect Control Project] an experience in virgin entomology. J. Econ. Entomol. 58(6):1152. Dec. 1965. 421 J822 A part of the Agency for International Development programs to assist underdeveloped countries.
- 58155 KNOWLTON, G. F. A simple spreading board for insects. Utah. State Univ. Ext. Entomol. Mimeo Ser. 86,2 p. Feb. 1966. 275.29 UtlEn Preservation equipment.
- 58156 ORTEGA, A., HALFFTER, G., and ENKERLIN S., D. Entomological teaching and research in Mexico. Entomol. Soc. Amer. Bull. 12(1):16-19. Ref. Mar. 1966. 423.9 En8
- 58157 SMITH, H. G., and HYNES, C. D. Modifications of the N-butyl methacrylate imbedding method as applied to insect larval head capsules. Entomol. Soc. Amer. Ann. 59(1):230. Jan. 1966. 420 En82
- 58158 TARBINSKII, S. P. Total results of the research work of All-Union Entomological Association [Vsesoyuznoe Entomologicheskoe Obshchestvo] for 1962-1963. (Rus) Vses. Entomol. Obshch. Kirgizskoe Otd. Sb. Entomol. Rabot 1965:133-137. 420 V962 Cited in Ref. Zh. Biol. 21(sect.E):2. Nov. 1965. 241.7 R25
- 58159 THOMAS, C. S. A comparison of uni-phylum approach to zoology via the Arthropoda with a traditional phylogenetic program for the preparation of prospective elementary school teachers. Diss. Abs. 26(9):5274. Mar. 1966. 241.8 M58
- 58160 VOCKEROTH, J. R. A method of mounting insects from alcohol. Can. Entomol. 98(1):69-70. Jan. 1966. 421 C16
- 58161 WOOD, G. W., MCALLAN, J. W., and WASSON, W. D. An improved electronic counting apparatus for use in olfactometers. J. Econ. Entomol. 58(6):1166-1167. Dec. 1965. 421 J822
- 58163 APPLE, J. W., and GOJMERAC, W. L. 1966 insect control; livestock, poultry, household, field crops, pets. Wis. Univ. Ext. Spec. Circ. 113, rev., 18 p. Jan. 1966. 275.29 W75S Chemical control.
- 58164 ATTFIELD, J. G., and WEBSTER, D. A. Dichlorvos. Chem. Indus. 7:272-278. Ref. Feb. 12, 1966. 382 M31C
- 58165 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF ENTOMOLOGY. Annual report, 1964-65. Canberra, 1965. 77 p. 423.92 Au722 Includes economic entomology.
- 58166 BARBINA, A. The point on antiparasitics. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.) 19(3):23-25. Mar. 1965. 287 Ud5 Integrated control of insects.
- 58167 BAURANT, R. Insecticidal action of some insecticides. Int. Symp. Crop Protect. [Pap.], 17th Symp.:107. 1965. 464.9 In834 Control of *Blaniulus guttulatus*.
- 58168 BENLLOCH, M. Integrated control of pests. (Sp) Agricultura [Madrid] 35(405):3-5. Jan. 1966. 15 Ag84 Of plants.
- 58169 BEYNON, K. I., and ELGAR, K. E. The analysis for residues of chlorinated insecticides and acaricides; a review. Analyst 91(1080): 143-175. Ref. p. 170-175. Mar. 1966. 382 An1
- 58170 BIGLEY, W. S. Inhibition of cholinesterase and ali-esterase in parathion and paraoxon poisoning in the house fly. J. Econ. Entomol. 59(1):60-65. Ref. Feb. 1966. 421 J822
- 58171 BILLINGS, S. C., ed. Consolidated list of approved common names of insecticides and certain other pesticides. Entomol. Soc. Amer. Bull. 11(3):204-213. Sept. 1965. 423.9 En8 Approved for use in the publications of the Entomological Society of America. Includes common names and proprietary names.
- 58172 BLINN, R. C., and LOVELL, J. B. A technique for observing the spray pattern of malathion and other organic phosphate insecticides using spray-deposit assessment cards. J. Econ. Entomol. 58(6):1159-1160. Dec. 1965. 421 J822
- 58173 BONELLI, E. J., and DIMICK, K. P. Gas chromatography and electron capture for analysis of pesticides. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p. 15-31. 1965. 387 M43 Insecticides.
- 58174 BRAASCH, H. The significance of chemical insect attractants and repellents for crop protection and pest control. Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropen-veterinarmed. 3(1):15-22. Ref. 1965. 26 L53
- 58175 BRETT, C. H., and others. Wireworms in sweet potatoes; resistance to cyclodiene insecticides and control with a midsummer application of insecticide over foliage. J. Econ. Entomol. 59(1):99-102. Feb. 1966. 421 J822 G. D. Jones, D. A. Mount, and J. D. Rudder, joint authors. *Conoderus falli* and *C. vespertinus*.
- 58176 BRITVEC, B. Some new insecticides (acaricides) from DDVP. (Se) Biljna Zastita 9(11/12):236-240. Nov./Dec. 1965. 464.8 B49 Gusathion, Sumithion, and Bromophos.
- 58177 BULL, D. L., and LINDQUIST, D. A. Insect metabolism: metabolism of 3-hydroxy-N-methyl-cis-crotonamide dimethyl phosphate (Azodrin) by insects and rats. J. Agr. Food Chem. 14(2):105-109. Ref. Mar./Apr. 1966. 381 J8223
- 58179 BULL, D. L., LINDQUIST, D. A., and HOUSE, V. S. Synergism of organophosphorus systemic insecticides. J. Econ. Entomol. 58(6):1157-1159. Ref. Dec. 1965. 421 J822

ECONOMIC

General

- 58162 ADAMS, C. H. Biology and insecticide resistance of *Bracon mellitor*, a parasite of the boll weevil. Diss. Abs. 26(9):4974-4975. Mar. 1966. 241.8 M58 In relation to biological control.

- 58179 BURCHFIELD, H. P., RHOADES, J. W., and WHEELER, R. J. Use of the microcoulometer in the reduction mode for the determination of phosphorus, sulfur, and chlorine. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p.59-77. 1965. 387 M43
Chiefly insecticides.
- 58180 BRYCE, I. J. G., and LORD, K. A. Insecticides. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:364-376. Ref. 1964. 382 M31R
- 58181 BUSSART, J. E. Trends in insect control. Entomol. Soc. Amer. Bull. 12(1):3-5. Mar. 1966. 423.9 En8
- 58182 CHAUTHANI, A. R., and ADKISSON, P. L. Comparison of two artificial diets for rearing *Heliothis zea* larvae for insecticide tests. J. Econ. Entomol. 58(6):1163-1164. Dec.1965. 421 J822
- 58183 COLAS, A., and others. Preparation of cis and trans endosulfan isomers and their dosage in endosulfan technique. (Fr) Phytatrie-Phytopharm. 13(1):3-14. Mar.1964. 464.8 P564
Lerenard, Pontvianne, and Simon, joint authors.
- 58184 CROW, J. F. The evolution of resistance in hosts and pests. Agr. Chem. 21(4):31-32. Apr. 1966. 381 Ag8
Insecticides.
- 58185 DELFEL, N. E. Thin-layer chromatography of rotenone and related compounds. J. Agr. Food Chem. 14(2):130-132. Mar./Apr.1966. 381 J8223
- 58186 DICK, C. V. Plant protection in the American economy; the front line. Entomol. Soc. Amer. Bull. 12(1):40-42. Mar.1966. 423.9 En8
Control measures and quarantine.
- 58187 DRESDEN, D. Enzymes and mutations in insect resistance. Int. Symp. Crop Protect. [Pap.], 17th Symp.:92. 1965. 464.9 In834
Insecticide resistance of house flies and spider mites.
- 58188 DUBOIS, K. P., and KINOSHITA, F. Stimulation of detoxification of O-ethyl O-(4-nitrophenyl) phenylphosphonothioate (EPN) by nikethamide and phenobarbital. Soc. Exp. Biol. Med. Proc. 121(1):59-62. Jan.1966. 442.9 S01
- 58189 FEUELL, A. J. Insecticides. Weinheim, Cramer, 1965. 244 p. Ref., p.184-208. (Wiesner, J. Die Rohstoffe des Pflanzenreichs. Ed. 5, Lieferung 4) 452.8 W63
Review of the literature.
Includes chemistry and application to test insects.
- 58190 FIRSOV, I. G. Harmful soil insects and their control under conditions of Tambov Region. (Rus) .Permsk. Gos. Ped. In-t. Uch. Zap. 31: 27-48. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 20(sect.E):5. Oct.1965. 241.7 R25
- 58191 FLORA, T. Derivatographic investigation of some organic chlorine compounds formed in the production of aldrin. (Preliminary communication. (Hu) Magyar Kem. Polyoirat 72(1):44-45. Jan.1966. 385 M272
- 58192 FRANZ, C. The aerosol container—a modern method of packing in the consumer sense. (Ge) Seifen-Ole-Fette-Wachse 91(19):624-625. Sept.15,1965. 307.8 Se4
Insecticides included.
- 58193 GALEOTA, W. R. Entomophobia and what it means to a PCO [pest control operators]. Pest Contr. 34(1):17-18. Jan.1966. 449.8 Ex8
- 58194 GEIGY AGRICULTURAL CHEMICALS. Diazinon insecticides; 1966 diazinon handbook. Ardsley, N. Y., 1966. 112 p. 423.9 G27
- 58195 GEORGHIU, G. P., and BOWEN, W. R. An analysis of house fly resistance to insecticides in California. J. Econ. Entomol. 59(1):204-214, map. Ref. Feb.1966. 421 J822
Poultry pest control.
- 58196 GIBBS, L. C. The role of the Federal Extension Service at it relates to pest control. Entomol. Soc. Amer. Bull. 12(1):52-53. Mar. 1966. 423.9 En8
- 58197 GILBERT, E. E., and others. Preparation and insecticidal evaluation of alcoholic analogs of Kepone. J. Agr. Food Chem. 14(2):111-114. Mar./Apr.1966. 381 J8223
P. Lombardo, E. J. Rumanowski, and G. L. Walker, joint authors.
- 58198 GILBERT, E. E., LOMBARDO, P., and WALKER, G. L. Preparation and insecticidal evaluation of alcohol and amine adducts of Kepone. J. Agr. Food Chem. 14(2):115-116. Mar./Apr. 1966. 381 J8223
- 58199 GOSTICK, K. G., and BAKER, P. M. Insecticide resistance in cabbage root fly [*Erioischia brassicae*]. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):70-74, map. Feb.1966. 10 G79J
- 58200 GRAHAM, A. R. A preliminary list of the natural enemies of Canadian agricultural pests. Can. Dep. Agr. Res. Inst. Inform. Bull. 4, 179 p. 1965. 423.9 C1642
Insect parasites and predators, disease organisms and nematodes, attacking insect pests, mite pests, and spider pests, exclusive of aphids.
- 58201 GRUNSTEIDL, E. Aerosol packing in the present and future. (Ge) Verpackungswirtschaft 13(7):2-6. July 1965. 280.38 V59
Insecticides included.
- 58202 GUAGLIUMI, P. Contribution to the knowledge of the injurious entomofauna of Venezuela. (It) Riv. Agr. Subtrop. Trop. 59(7/9):376-408. (Cont.) July/Sept.1965. 26 Ag82
Plant pests.
- 58203 GUYER, G. Plant protection in the American economy; research—the foundation. Entomol. Soc. Amer. Bull. 12(1):43-45. Mar.1966. 423.9 En8
- 58204 HAMILTON, E. W., and MATTESON, J. W. Laboratory studies of relative toxicity of selected insecticides to the false wireworm *Eleodes suturalis*. J. Econ. Entomol. 59(1):24-25. Feb.1966. 421 J822
- 58205 HENDRICK, R. D., EVERETT, T. R., and CAFFEY, H. R. Effects of some insecticides on the survival, reproduction, and growth of the Louisiana red crawfish. J. Econ. Entomol. 59(1):188-192. Ref. Feb.1966. 421 J822
- 58206 HILL, E. M. Pyrethrum—a new industry for the highlands. Australian Ter. 5(5):36-44. Sept.1965. 280.8 Au77
Source of insecticide in New Guinea.
- 58207 HOMONNAY, F. Methods for determining chemical control period for *Melolontha melolontha*. (Hu) Magyar Mezőgazdaság 21(11): 12-13. Mar.16,1966. 19 M27
- 58208 HOPF, H. S. Residue problems of tropical countries. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:112-116. June 1965. 410.9 G31M
Includes discussion.
- 58209 ISAKOVA, N. Entomophaga as vectors of bacterial infection. (Rus) Zashch. Rast. Vred. Boleznei 3:51. 1965. 421 Z1
Use of entobacterin produced from *Bacillus cereus*.
- 58210 JENSEN, L. D. Acute and long-term effects of organic insecticides on two species of stonefly naiads. Diss. Abs. 26(3):1837. Sept.1965. 241.8 M58
Acroneuria pacifica and *Pteronarcys californica* as affected by chlorinated hydrocarbons.
- 58211 JEPPSON, L. R., JESSER, M. J., and COMPTON, J. O. Chemical structure and toxicity of some carbamoyloxy phosphorodithioates to susceptible and organophosphorus-resistant strains of mites. J. Econ. Entomol. 59(1):185-187. Feb.1966. 421 J822
Tetranychus pacificus and *Panonychus citri*.

- 58212 KAWASHIRO, I., HOSOGAI, Y., and NIGO, T. Studies on pesticide residues in food. III. On the decomposition of aldrin by sunlight and ultra-violet ray. (Ja) Food Hyg. Soc. Jap. J. 7(1): 11-13. Feb. 1966. 389.9 N57
English summary.
- 58213 KEIDING, J. Development of resistance in field populations of houseflies [*Musca domestica*] exposed to residual treatments with organophosphorus compounds. Int. Symp. Crop Protect. [Pap.], 17th Symp.:91-92. 1965. 464.9 In834
- 58214 KENAGA, E. E., and others. Laboratory tests with Dursban insecticide. J. Econ. Entomol. 58(6):1043-1050. Dec. 1965. 421 J822
W. K. Whitney, J. L. Hardy, and A. E. Doty, joint authors.
- 58215 KNIPLING, E. F. Plant protection in the American economy; the entomologist's arsenal. Entomol. Soc. Amer. Bull. 12(1):45-51. Mar. 1966. 423.9 En8
More effective use of measures for insect control needed.
- 58216 KNIPLING, E. F. Some basic principles in insect population suppression. Entomol. Soc. Amer. Bull. 12(1):7-15. Mar. 1966. 423.9 En8
- 58217 KNOWLTON, G. F. Aphid control. Utah. State Univ. Ext. Entomol. Mimeo Ser. 74, 2 p. Jan. 1966. 275.29 Ut1En
Chemical control.
- 58218 KNOWLTON, G. F. Insecticides; safety precautions. Utah. State Univ. Ext. Entomol. Mimeo Ser. 71, 1 p. Jan. 1966. 275.29 Ut1En
- 58219 KOBABE, G. Simple aids for controlling pollination while breeding cross-pollinators. (Ge) Zuchter 35(7):299-307. Ref. 1965. 442.8 Z8
Includes equipment and techniques for rearing *Musca domestica* and introducing honey bees and bumble bees.
- 58220 LEELING, N. C. Metabolites of carbaryl (1-naphthyl N-methylcarbamate) and enzymatic mechanisms for their formation. Diss. Abs. 26(9):5011-5012. Mar. 1966. 241.8 M58
- 58221 LIESCHE, K. Insecticidal, acaricidal, and fungicidal esters and amides of phosphoric acids, polyphosphoric acids, substituted phosphoric acids and phosphonic acids. (Ge) Deut. Apoth.-Zeitung 106(11):350-354. Mar. 17, 1966. 396.8 Su2
- 58222 LOFGREN, C. S., and others. Dual low dosage applications of heptachlor for control of the imported fire ant [*Solenopsis saevissima* richteri]. Fla. Entomol. 48(4):265-270. Dec. 1965. 420 F662
C. E. Stringer, F. J. Bartlett, W. A. Banks, and W. F. Barthel, joint authors.
- 58223 LOHS, K. H., and FRANZ, P. Analysis of high-toxic organic phosphoric-acid esters. 9 p. Ref. (JPRS 22,943; OTS 64-21414)
Transl. 14202
Translation from Acta Chimica 26(1/4):451-458. 1961.
CFSTI: \$.50.
- 58224 LONG, C. F., and SILVERMAN, P. H. Serological characterization of five strains of insecticide-resistant and susceptible house flies [*Musca domestica*]. J. Econ. Entomol. 58(6): 1070-1074. Dec. 1965. 421 J822
DDT, dieldrin and lindane.
- 58225 MACAN, T. T. The influence of predation on the fauna of a moorland fishpond. Arch. Hydrobiol. 61(4):432-452. Jan. 1966. 410 Ar28
Includes insects as feed.
- 58226 MAIER-BODE, H. Newer test results on plant protection agent residues. (Ge) Berlin. Biol. Bundesanst. Land- Forstwirtschaft. Mitt. 115:91-102. Ref. June 1965. 410.9 G31M
Includes discussion.
Insecticides and fungicides.
- 58227 MANDEL'BAUM, YA. A., and others. New pesticide-mixture of amides and hydrazides of dithiophosphoric acid. (Rus) Khim. Sel'skom Khoz. 7:42-45. July 1965. 385 K524
G. L. Abramova, T. M. Pivovarova, and Z. M. Bakanova, joint authors.
Insecticides, fungicides and synergists.
- 58228 MATSUZAWA, H., and KANEOKA, K. Resistance to lindane and diazinon of the adult of the common house-fly, *Musca domestica* vincina Macquart collected from various stations in Kagawa Prefecture. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):119-126. Ref. Mar. 1965. 107.6 K113
English summary.
- 58229 MESZAROS, Z., and DELY, MRS. D. A. Forecasting Lepidoptera pests in 1966. (Hu) Magyar Mezogazdasag 19(6):13, map. Mar. 16, 1966. 19 M27
- 58230 METCALF, R. L., and FUKUTO, T. R. Silicon-containing carbamate insecticides. J. Econ. Entomol. 58(6):1151. Dec. 1965. 421 J822
Tests.
- 58231 MORENO LLADO, L. Playing with fire. (Sp) Cult. Mod. 48(6):210. June 1965. 15 C89
Insecticide hazards.
- 58232 MORRIS, A. P., and HANSEN, E. J. Dispersion of insecticide-resistant populations of the house fly, *Musca domestica* L. J. Econ. Entomol. 59(1):45-50. Feb. 1966. 421 J822
- 58233 NAVARRO, L. Labeling for insecticides. (Sp) Panagra 2(29):42-45. Jan. 1, 1964. 8 P196
- 58234 NELSON, S. O. Electromagnetic and sonic energy for insect control. Amer. Soc. Agr. Eng. Pap. 301, 18 p. 1965. 290.9 Am32P
Bibliography, p. 10-17.
- 58235 HELLE, W. Expectations of delay of [insecticide] resistance in *Tetranychus urticae* by rotational sprays. Int. Symp. Crop Protect. [Pap.], 17th Symp.:93. 1965. 464.9 In834
- 58236 NIEMCZYK, H. D., and PRINS, G. Contact toxicity of 13 insecticides to cyclodiene-susceptible and cyclodiene-resistant strains of the onion maggot. J. Econ. Entomol. 58(6):1074-1076. Dec. 1965. 421 J822
Hylemya antiqua.
- 58237 NIKLAS, O. F. The importance of integrated plant protection. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):20-21. Feb. 15, 1966. 58.8 D81
Insect control, chiefly.
- 58238 OATMAN, E. R. The effect of *Bacillus thuringiensis* Berliner on some lepidopterous larval pests, apple aphid and predators, and on phytophagous and predaceous mites on young apple trees. J. Econ. Entomol. 58(6):1144-1147. Ref. Dec. 1965. 421 J822
- 58239 OPPENOORTH, F. J. A new approach to the DDT-resistance problem. Int. Symp. Crop Protect. [Pap.], 17th Symp.:93. 1965. 464.9 In834
Study of DDT resistant enzymes in the house fly.
- 58240 OTT, D. E., and GUNTHER, F. A. Procedure for the analysis of technical-grade parathion in waterplants by an anticholinesterase (auto-analyzer) method. J. Econ. Entomol. 59(1): 227-229. Feb. 1966. 421 J822
- 58241 OVERMEER, W. P. J. Peculiarities of resistance to tedian in *Tetranychus urticae* Koch. Int. Symp. Crop Protect. [Pap.], 17th Symp.:94. 1965. 464.9 In834
- 58242 PALM, C. E. Plant protection in the American economy; the ounce of prevention. Entomol. Soc. Amer. Bull. 12(1):37-39. Mar. 1966. 423.9 En8
Insect quarantine.
- 58243 PERGOLANI DE COSTA, M. J. The feeding of birds and biological equilibrium. (Sp) Soc. Rural Argent. An. 99(3):32-34. Mar. 1965. 9 Sol
Control of plant pests.

- 58244 PERROTT, D. C. F. Susceptibility and tolerance to DDT and other insecticides in larvae of *Costelytra zealandica* (White) (Melolonthinae, Scarabaeidae). New Zeal. J. Agr. Res. 9 (1):68-77. Feb.1966. 23 N4892
- 58245 PIETRI-TONELLI, P. DE, and VIAN, L. The effect of formulation on residual activity of dimethoate to the house fly. J. Econ. Entomol. 59(1):4-9. Ref. Feb.1966. 421 J822
- 58246 PLAPP, F. W., CHAPMAN, G. A., and MORGAN, J. W. DDT resistance in *Culex tarsalis* Coquillett: cross resistance to related compounds and metabolic fate of a C¹⁴-labeled DDT analog. J. Econ. Entomol. 58(6):1064-1069. Ref. Dec.1965. 421 J822
- 58247 PLAPP, F. W., and TONG, H. H. C. Synergism of malathion and parathion against resistant insects: phosphorus esters with synergistic properties. J. Econ. Entomol. 59(1):11-15. Ref. Feb.1966. 421 J822
Tested against *Musca domestica* and *Culex tarsalis*.
- 58248 POUVREAU, A. A method of rearing bumblebees from queens caught in the field. 17 p. Ref. Transl. 15856
For pollination of legumes.
Translation from Annales de l'Abeille 8(2): 147-159. 1965.
- 58249 QUOILIN, J. Study of the paralyzing effect of dichlorvos, diazinon, and carbaryl on *Schyzophyllum sabulosum* L. (Diplopoda-Iulidae). (Fr) Gembloux. Inst. Agron. Bull. 33(3):413-423. 1965. 105.1 G285
English summary.
- 58250 RATCLIFFE, R. H., and RISTICH, S. S. Insect sterilant experiments in outdoor cages with apholate, metepa, and four bifunctional aziridine chemicals against the house fly. J. Econ. Entomol. 58(6):1079-1082. Dec.1965. 421 J822
- 58251 RONNINGEN, T. S. Where will your money come from for entomological research? Entomol. Soc. Amer. Bull. 12(1):33-36. Mar.1966. 423.9 En8
- 58252 SCHUDER, D. L. Systemics—up to date. Arborist's News 31(3):17-20. Mar.1966. 99.8 Ar14
Insecticides; includes application.
- 58253 SHARPLES, G. C., and others. The importance of insects in the pollination and fertilization of the Cardinal grape. Amer. Soc. Hort. Sci. Proc. 86:321-325. June 1965. 81 So12
F. E. Todd, S. E. McGregor, and R. L. Milne, joint authors.
- 58254 SMITH, H. E. The role of the Federal Extension Service as it relates to pest control. Entomol. Soc. Amer. Bull. 12(1):53-54. Mar. 1966. 423.9 En8
- 58255 SNETSINGER, R., BALDERSTON, C. P., and CRAIG, R. Resistance to the two-spotted spider mite in *Pelargonium*. J. Econ. Entomol. 59(1):76-78. Feb.1966. 421 J822
Tetranychus urticae.
- 58256 SOCIETY OF TOXICOLOGY. Abstracts of papers for fifth annual meeting, Williamsburg, Virginia, of the Society of Toxicology, March 14-16, 1966. Toxicol. Appl. Pharmacol. 8(2):334-364. Mar.1966. 391.8 T662
Includes papers on the toxicity of insecticides.
- 58257 STAHL, E., and PFEIFLE, J. Thin layer chromatography and gas chromatography of components of insecticidal pyrethrum. (Ge) Naturwissenschaften 52(22):620. Nov.15,1965. 474 N213
- 58258 STAPEL, C. The control of insect pests in Denmark by the use of insecticides. 3. Agr. Vet. Chem. 6(5):146-149, map. Sept./Oct.1965. 382 Ag82
- 58259 TÁHORI, A. S., and STERNBERG, S. Laboratory experiments with a new group of organophosphorus insecticides on some agricultural insects. J. Econ. Entomol. 59(1):196-201. Ref. Feb.1966. 421 J822
- 58260 VIRGINIA POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. 1966 insecticide recommendations: pesticides are poisonous. Va. Polytech. Inst. Ext. Circ. 991, 4 p. Jan.1966. 275.29 V81C
- 58261 VON RUMKER, R., and others. Farm chemicals: systemics. Farm Technol. 21(5):9-10. May 1965. 275.28 N213
T. Parr, C. A. Anderson, J. W. Young, and J. Hensel, joint authors.
Application and effectiveness of insecticides.
- 58262 VON RUMKER, R., and others. Farm chemicals: systemics. Farm Technol. 21(8):30-31, 34. (Cont.) Sept.1965. 275.28 N213
T. Parr, C. A. Anderson, J. W. Young, and J. Hensel, joint authors.
Insecticides; penetration, translocation, and role of metabolism.
- 58263 WACHS, H. Evolution of pyrethrum quality. Soap Chem. Spec. 42(3):66-67, 91. Mar.1966. 307.8 So12
- 58264 WALLEY, W. W. The absorption, metabolism, and elimination of DDT in the common grackle, *Quiscalus quiscula*. Diss. Abs. 26(9):5022. Mar.1966. 241.8 M58
- 58265 WASLESKI, D. M. Colorimetric determination of Potasan in coumaphos. J. Agr. Food Chem. 14(2):156-158. Mar./Apr.1966. 381 J8223
- 58266 WEIDHAAS, D. E. Research on radioisotopes and radiation in insect control related to the development of the sterile-male technique. Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:189-195. Ref. 1964, pub. 1965. 173 At7Pi
- 58267 WHITTEN, J. L. Entomologists, pesticides and the public welfare. Entomol. Soc. Amer. Bull. 12(1):20-24. Mar.1966. 423.9 En8
Chairman, House Appropriations Subcommittee for Agriculture, on the benefits and hazards of insecticides.
- 58268 WILLIAMSON, G. D. Summary of parasite and predator liberations in Canada and of insect shipments from Canada in 1965. Can. Insect Pest Rev. 43(5), 13 p. 1965. 423.92 C16C
- 58269 WURSTER, D. H., WURSTER, C. F., and STRICKLAND, W. N. Bird mortality following DDT spray for Dutch elm disease. Ecology 46 (4):488-499. Ref. Early summer 1965. 410 Ec7
- 58270 YADAV, R. P., ANDERSON, H. L., and LONG, W. H. Sugarcane borer resistance to insecticides. J. Econ. Entomol. 58(6):1122-1124. Dec.1965. 421 J822
Diatraea saccharalis.
- 58271 YEOMANS, A. H. Low volume groundspray. Agr. Chem. 21(4):27-29. Apr.1966. 381 Ag8
Equipment for applying concentrated insecticides.
- 58272 MILLAR, E. S., and TENQUIST, J. D. Jetting of sheep for the control of fly-strike by *Lucilia sericata*—an evaluation of some available preparations. New Zeal. J. Agr. Res. 9(1):145-148. Feb.1966. 23 N4892
Organo-phosphorus insecticides.
- 58273 MILLER, R. L. Making and using a cattle backrubber. Ky. Univ. Ext. Misc. 307-B, 4 p. Apr.1966. 275.29 K415M
Chemical pest control.
- 58274 MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for beef animals. Ky. Univ. Ext. Misc. 280-C, 2 p. Mar.1966. 275.29 K415M
- 58275 MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for lactating dairy animals. Ky. Univ. Ext. Misc. 256-D, 2 p. Mar.1966. 275.29 K415M
- 58276 MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for swine. Ky. Univ. Ext. Misc. 261-A, 1 p. Mar.1966. 275.29 K415M

- 58277 MULHERN, T. D., and others. Low volume airplane sprays for the control of mosquito larvae. *Mosquito News* 25(4):442-447. Dec. 1965. 421 M85
C. M. Gjullin, O. V. Lopp, D. Ramke, R. F. Frolli, D. E. Reed and W. D. Murray, joint authors.
Aedes nigromaculis.
- 58278 MURPHY, S. D. Response of adaptive rat liver enzymes to acute poisoning by organophosphate insecticides. *Toxicol. Appl. Pharmacol.* 8(2): 266-276. Ref. Mar.1966. 391.8 T662
Delnav, Dipterex, and malathion.
- 58279 MUTCH, G. V. Pasture management only effective way to check cattle tick [*Haemaphysalis bispinosa*]. *New Zeal. J. Agr.* 112(2):61,63. Feb.1966. 23 N48J
Cattle and sheep.
- 58280 NELSON, D. L. Gross pathologic lesions associated with toxic doses of anticholinesterase insecticides. *Vet. Med./Small Anim. Clin.* 61 (1):64-65. Jan.1966. 41.8 M69
Toxicity of carbamate and organic phosphorus insecticides to livestock.
- 58281 NELSON, T. E., and BERTUN, K. M. R. Synergism of malathion against the northern fowl mite. *J. Econ. Entomol.* 58(6):1117-1118. Dec.1965. 421 J822
Ornithonyssus sylviarum.
- 58282 ORIHIEL, T. C., and PACHECO, G. *Brugia malayi* in the Philippine macaque. *J. Parasitol.* 52(2):394. Apr.1966. 448.8 J824
Aedes aegypti as vector.
- 58283 PANTHIER, R., and others. Isolation of West Nile virus from a horse in Camargue infected with encephalomyelitis. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(11):1308-1310. Mar.14,1966. 505 P21
C. Hannoun, J. Oudar, D. Beytout, B. Corniou, L. Joubert, J. C. Guillon, and J. Mouchet, joint authors.
Culex modestus as possible vector.
- 58284 PAVLOVSKII, E. N., and SKRYNNIK, A. N. Ticks *Ornithodoros papillipes* Birula as vectors of *Spirochaeta*, the causal agents of tick spirochetosis. (Rus) *Vses. Entomol. Obschest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo* 16/17:3-11. Ref. 1965. 420 V96
- 58285 POND, W. L., and others. Arboviruses and human disease in south Florida. *Amer. J. Trop. Med. Hyg.* 15(2):205-210. Ref. Mar.1966. 448.8 Am326
N. J. Ehrenkranz, J. X. Danauskas, and J. E. Davies, joint authors.
Includes mosquitoes as vectors.
- 58286 POYARKOV, D. V., and AVCHINNIKOV, V. V. The epizootic importance of gamasid mites occurring on rodents inhabiting large cities. (Rus) *Akad. Nauk SSSR. Dokl.* 166(4):1005-1008. Ref. 1966. 511 P444A
- 58287 RAYNER, H. B., and WRIGHT, R. H. Far infrared spectra of mosquito repellents. *Can. Entomol.* 98(1):76-80. Jan.1966. 421 C16
- 58288 RIBEIRO, H., CASACA, V. M. R., and COCHOFEL, J. A. L. P. A malaria survey in the Lobito-Catumbela region, Angola (Portuguese West Africa). *Inst. Med. Trop. An.* 21(3/4): 337-351, map. Ref. July/Dec.1964. 448.9 L68
Anopheles gambiae melas, *A. coustani ziemanni* and *A. listeri* as vectors.
- 58289 RIDGWAY, R. L., GORZYCKI, L. J., and LINDQUIST, D. A. Effect of metabolite analogs on larval development and oviposition in the boll weevil [*Anthonomus grandis*]. *J. Econ. Entomol.* 59(1):143-146. Feb.1966. 421 J822
Tested as chemosterilants.
- 58290 RIGBY, D. W., and CHOBOTAR, B. The effects of *trypanosoma lewisi* on the development of *hymenolepis diminuta* in concurrently infected white rats. *J. Parasitol.* 52(2):389-394. Ref. Apr.1966. 448.8 J824
Obtained from *Tenebrio molitor*.
- 58291 ROBB, T. R. Control of external parasites on sheep. *Wyo. Univ. Ext. [4-H Club. Circ.]* Sh-5: G1-G8. Sept.1965. 275.29 W99Fc
- 58292 ROSICKY, B., DANIEL, M., and CERNY, V. Small mammals as the natural focus of hemorrhagic nephroso-nephritis in the Ondava highlands. (Cz) *Cesk. Parazitol.* 12:227-244. Ref. 1965. 436.8 C33
English summary.
Rodents and their ectoparasites, mites, as vectors of the disease.
- 58293 ROWELL, J. O. 1966 insecticide recommendations: external parasites of beef cattle. *Va. Polytech. Inst. Ext. Circ.* 980,4 p. Jan.1966. 275.29 V81C
- 58294 ROWELL, J. O. 1966 insecticide recommendations: external parasites of dairy cattle. *Va. Polytech. Inst. Ext. Circ.* 983,4 p. Jan.1966. 275.29 V81C
- 58295 ROWELL, J. O. 1966 insecticide recommendations: external parasites of dogs and cats. *Va. Polytech. Inst. Ext. Leaflet.* 197,2 p. Jan.1966. 275.29 V81L
Carbaryl (Sevin), malathion, and rotenone for control of fleas, lice, and ticks.
- 58296 ROWELL, J. O. 1966 insecticide recommendations: external parasites of horses. *Va. Polytech. Inst. Ext. Leaflet.* 195,2 p. Jan.1966. 275.29 V81L
Bots, face flies, and horn flies.
- 58297 ROWELL, J. O. 1966 insecticide recommendations: external parasites of poultry. *Va. Polytech. Inst. Ext. Leaflet.* 196,2 p. Jan.1966. 275.29 V81L
Lice, mites, and ticks.
- 58298 ROWELL, J. O. 1966 insecticide recommendations: external parasites of sheep. *Va. Polytech. Inst. Ext. Leaflet.* 193,2 p. Jan.1966. 275.29 V81L
Ticks and lice.
- 58299 ROWELL, J. O. 1966 insecticide recommendations: external parasites of swine. *Va. Polytech. Inst. Ext. Leaflet.* 194,2 p. Jan.1966. 275.29 V81L
Lice.
- 58300 ROWELL, J. O. 1966 insecticide recommendations: flies and their breeding places. *Va. Polytech. Inst. Ext. Leaflet.* 198,2 p. Jan.1966. 275.29 V81L
- 58301 SAO TOME E PRINCIPE. MISSAO DE ESTUDO E COMBATE DE ENDEMIAS. Report for the 1st semester of 1962, by M. da C. Mourao. (Por) *Inst. Med. Trop. An.* 21(3/4):501-539, map. Ref. July/Dec.1964. 448.9 L68
Includes chemical control of mosquitoes.
- 58302 SCHWARZ, H., and DEDEK, W. Studies on the breakdown and excretion of trichlorphon marked with ³²P in the pig. (Ge) *Zentralbl. Veterinarmed. Reihe B*, 12(7):653-660. Ref. Dec.1965. 41.8 Z52
English summary.
- 58303 SCHWARZ, H., and DEDEK, W. The retention of radioactive labelled trichlorfon following pour-on-application (pour-on experiments) in Hypoderma larvae control of cattle. (Ge) *Monatsh. Veterinarmed.* 20(23):958-960. Ref. Dec.1,1965. 41.8 M742
Includes determination of concentration in blood and milk.
- 58304 SCUPIN, E. Epidemiology of toxoplasmosis of ruminants; experiments to transfer *Toxoplasma* by *Melophagus ovinus* to sheep. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(6): 109-113. Mar.15,1966. 41.8 B45
English summary.
- 58305 SHANE, S. M. Report on the occurrence of *Speleognathus striatus* in the domestic pigeon. *S. Afr. Vet. Med. Ass. J.* 36(4):575-576. Dec. 1965. 41.8 So8

- 58306 SHASHAEV, M. A., SHAPIRA, I. L., and SHATALOVA, V. L. Distribution by fleas of plague and pseudotuberculosis phages among rodents. (Rus) Nauchn. Konferentsiya po Prirodn. Ocha-govosti i Profilakt. Chumy. Materialy 4:301-302. 1965. (Not in Libr.)
Cited in Ref. Zh. Biol. 20(sect.B):9. Oct.1965. 241.7 R25
- 58307 SHERMAN, J. L. Development of a systemic insect repellent. JAMA (J. Amer. Med. Ass.) 196(3):166-168. Apr.18,1966. 448.9 Am37
- 58308 SMITH, C. N. Personal protection from blood-sucking arthropods. JAMA (J. Amer. Med. Ass.) 196(3):146-149. Apr.18,1966. 448.9 Am37
Use of repellents.
- 58309 SMITH, E. M. Vector control in Lubbock County. Pest Contr. 34(2):32,34,38,40. Feb. 1966. 449.8 Ex8
Control of encephalitis virus transmitting mosquitoes with DDT and malathion in Texas.
- 58310 SMITH, G. E., BREELAND, S. G., and PICKARD, E. The Malaise trap—a survey tool in medical entomology. Mosquito News 25(4):398-400, map. Dec.1965. 421 M85
- 58311 SMYTH, M. Harvest mites on bank voles that have lost a leg. J. Zool. 147(2):221-222. Dec.1965. 410.9 L84P
Trombicula autumnalis.
- 58312 SOLLERS-RIEDEL, H. References to literature of interest to mosquito workers and malarialogists. Mosquito News 25(4):499-509. Dec.1965. 421 M85
- 58313 SPENCE, L., and others. Aruac virus, a new agent isolated from Trinidadian mosquitoes. Amer. J. Trop. Med. Hyg. 15(2):231-234. Mar. 1966. 448.8 Am326
C. R. Anderson, T. H. G. Aitken, and W. G. Downs, joint authors.
- 58314 SPRADBROW, P. Arbovirus infections of domestic animals. Vet. Bull. 36(2):55-61. Ref. Feb.1966. 41.8 T752
Review of literature.
- Medical and Veterinary Pests
- 58315 ALI, S. R., and SWEATMAN, G. K. Effect of age, sex, and hormone treatment of the mouse on the level of infestation by Rhipicephalus sanguineus larvae. J. Parasitol. 52(2):407-412. Apr.1966. 448.8 J824
- 58316 AMANZHULOV, S. A., AMOSENKOVA, N. I., and POSTRICHEVA, O. V. On spontaneous carriage of Rickettsia burneti in horseflies Tabanus taegeri. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):612-614. Ref. Sept./Oct.1965. 448.8 M469
English summary.
- 58317 ANTHONY, D. W., and ROBY, T. O. The experimental transmission of bovine anaplasmosis by 3 species of north American ticks. Amer. J. Vet. Res. 27(116):191-198. Ref. Jan. 1966. 41.8 Am3A
Amblyomma americanum, Dermacentor variabilis and D. andersoni.
- 58318 BALASHOV, YU. S., and DAITER, A. B. Localization and dissemination of Rickettsia burneti in the organism of tick Ornithodoros papillipes Bir. (Rus) Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 16/17:34-49. Ref. 1965. 420 V96
- 58319 BARNARD, J. H. Cutaneous responses to insects. JAMA (J. Amer. Med. Ass.) 196(3):169-172. Ref. Apr.18,1966. 448.9 Am37
- 58320 BARNES, J. M. Public health and pest control. Agr. Chem. 21(3):29-31. Mar.1966. 381 Ag8
Insecticide hazards.
- 58321 BAUMHOVER, A. H. Eradication of the screw-worm fly: an agent of myiasis. JAMA (J. Amer. Med. Ass.) 196(3):150-158. Ref. Apr.18,1966. 448.9 Am37
Cochliomyia hominivorax.
- 58322 BAY, E. C., and ANDERSON, L. D. Studies with the mosquitofish, Gambusia affinis, as a chironomid control. Entomol. Soc. Amer. Ann. 59(1):150-153. Jan.1966. 420 En82
- 58323 BERGE, O. I., and FISHER, E. H. Mechanized fly control for the dairy herd. Wis. Agr. Col. Ext. C. 604, rev., 8 p. Jan.1964. 275.29 W75C
- 58324 BIBIKOVA, V. A. Conditions for the existence of the plague microbe in fleas. Cesk. Parazit. 12:41-46. Ref. 1965. 436.8 C33
- 58325 BERNNDT, W. L., KANTACK, B. H., and BONZER, B. Poultry pest control. S. Dak. State Univ. Ext. FS 289, 4 p. Dec.1965. 275.29 So85Fs
Chemical control.
- 58326 BIBOV, A. I. Demodecosis of cattle. (Rus) Veterinariya 10:48-49. Oct.1965. 41.8 V6426
Caused by Demodex bovis.
- 58327 BOYADZHYAN, G. K., and POSTOYAN, S. R. Concerning the survival of the foot-and-mouth disease virus in the tick Ornithodoros lahorensis Neum, 1908. (Artificial infection of ticks). 5 p. Transl. 14879
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya. Biologicheskie Nauki 17(8):47-51. Aug.1964.
- 58328 BROOKS, G. D., CARMICHAEL, G. T., and SCHOOF, H. F. Evaluation of large-scale treatment with dichlorvos for the control of Culex pipiens quinquefasciatus Say. Mosquito News 25(4):427-431. Dec.1965. 421 M85
- 58329 BROOKS, G. D., SCHOOF, H. F., and SMITH, E. A. Effectiveness of various insecticides against Aedes aegypti infestations in water storage drums in U. S. Virgin Islands. Mosquito News 25(4):423-427. Dec.1965. 421 M85
- 58330 BROWN, A. W. A. The attraction of mosquitoes to hosts. JAMA (J. Amer. Med. Ass.) 196(3):159-162. Ref. Apr.18,1966. 448.9 Am37
Chiefly amino acids.
- 58331 BROWN, A. W. A. Some uses of aircraft in public-health entomology outside the United States. Agr. Aviat. Res. Conf. Rep., 4th Conf.: 21-26. Ref. 1962, pub. 1964. 1.98 R2932
- 58332 BROWN, F. G., and ROSE, G. J. Field studies with fenclorophos to control sheep blow fly [Lucilia sericata]. Agr. Vet. Chem. 6(5):131-133, 135-136. Sept./Oct.1965. 382 Ag82
- 58333 BUBIEN, Z. Accidental intoxications of poultry with the phosphororganic insecticide "Metasystox." (Pol) Med. Weter. 21(12):734-736. Ref. Dec.1965. 41.8 M463
English summary.
- 58334 BUNYAN, P. J., and TAYLOR, A. Residue in tissue: esterase inhibition in pheasants poisoned by O,O-diethyl s-(ethylthiomethyl)-phosphorodithioate (Thimet). J. Agr. Food Chem. 14(2):132-137. Ref. Mar./Apr.1966. 381 J8223
- 58335 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts: filariasis. Trop. Dis. Bull. 62(12):1185-1207. (Cont.) Dec.1965. 448.8 T752
Includes transmission by mosquitoes.
- 58336 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts. II. Yellow fever. Trop. Dis. Bull. 63(2):113-115. Feb.1966. 448.8 T752
Includes mosquito vectors.
- 58337 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts. III. Malaria. Trop. Dis. Bull. 63(3):249-256. Mar.1966. 448.8 T752
Includes mosquito vectors.
- 58338 CAILLAS, A. Are the insecticides disappearing? (Fr) Gaz. Apic. 67(705):26-27. Feb. 1966. 424.8 G25
Toxicity to man causing greater interest in biological control.

- 58339 CARVALHEIRO, J. DA, R., and COLLARES, E. F. Studies in mice of a highly virulent strain of *Trypanosoma cruzi* (Y strain) after passages in triatomines [*Triatoma infestans*] rats, and culture media. (Por) Rev. Brasil. Biol. 25(2):169-175. Ref. July 1965. 442.8 R326
English summary.
- 58340 CLOUGH, G. C. Physiological effect of botfly parasitism on meadow voles. Ecology 46(3): 344-346. Spring 1965. 410 Ec7
Of the genus *Cuterebra*.
- 58341 COLLINS, D. L. Control of biting flies and forest insects in New York State. CSMA (Chem. Spec. Manufacturers Ass.) Proc., 51st Annu. Meeting:116-118. Dec.1964. 307.9 C42
- 58342 COLLINS, W. E., JONES, F. E., and DOBROVOLNY, C. G. Transmission of the RO strain of *Plasmodium cynomolgi* by *A[nopheles] stephensi*, *A[nopheles] quadrimaculatus* and *A[nopheles] labranchiae atroparvus*. Mosquito News 25(4):389-392. Ref. Dec.1965. 421 M85
- 58343 DAMASSA, A. J. The role of *Culex tarsalis* in the transmission of fowl pox virus. Avian Dis. 10(1):57-66. Ref. Feb.1966. 41.8 Av5
- 58344 DAVIS, M. H., and others. Mosquito transmission of Venezuelan equine encephalomyelitis virus from experimentally infected dogs. Amer. J. Trop. Med. Hyg. 15(2):227-230. Mar.1966. 448.8 Am326
A. L. Hogge, E. C. Corristan, and J. F. Ferrell, joint authors.
Aedes aegypti and *A. triseriatus* as vectors.
- 58345 DEORANI, V. S., and CHAUDHURI, R. P. On the histopathology of the skin lesion of goats affected by sarcoptic mange. Indian J. Vet. Sci. Anim. Husb. 35(2):150-156. June 1965. 41.8 In22
Caused by *Sarcoptes scabiei caprae*.
- 58346 DESPLAINES VALLEY (ILL.) MOSQUITO ABATEMENT DISTRICT. Thirty-eighth annual report on mosquito control, 1965, by F. C. Wray. Lyons, 1965. 16 p. 428 D45
Includes tribute to Otto McFeely and W. E. Goersmeyer.
- 58347 DIMITROVA, E. New intermediary hosts of *Simonsia paradoxa* Cobb, 1864—nematode of swine. Bulgarska Akad. Nauk. Dokl. 18(4):355-357. 1965. 512 So2
Coprophagous beetles.
- 58348 DISSANAIKE, A. S., and others. Studies on haemosporidia of Ceylon birds with special reference to plasmodia. Ceylon Vet. J. 13(3):65-75. Ref. Sept.1965. 41.8 C33
P. Nelson, M. A. Fernando, and W. J. Niles, joint authors.
Isolated from *Mansonia crassipes*; includes malaria of poultry.
- 58349 DORSEY, C. K. Face fly control experiments on Quarter Horses—1962-64. J. Econ. Entomol. 59(1):86-89. Feb.1966. 421 J822
Chemical control of *Musca autumnalis*.
- 58350 DRUMMOND, R. D. Systemic insecticides to control larvae of *Oestrus ovis* in sheep. J. Parasitol. 52(1):192-195. Ref. Feb.1966. 448.8 J824
- 58351 DRUMMOND, R. O., and MEDLEY, J. G. Field tests with insecticides for the control of ticks on livestock. J. Econ. Entomol. 58(6):1131-1136. Dec.1965. 421 J822
Amblyomma americanum, *Dermacentor albipictus* and *Ixodes ricinus scapularis*.
- 58352 EAST AFRICAN INSTITUTE MALARIA AND VECTOR-BORNE DISEASES. Annual report, 1st July 1963—31st December 1964. Kenya, 1965. 43 p. 448.9 Ea7
Anopheles and *Simulium* as vectors.
- 58353 EAST AFRICAN TRYPANOSOMIASIS RESEARCH ORGANIZATION. Report, July 1963-December 1964. Kenya, 1965. 70 p.,map. 428 Ea73
Includes *Glossina*.
- 58354 EAST AFRICAN VIRUS RESEARCH INSTITUTE. Report, July 1963 to December 1964. Kenya, 1965. 73 p. 448.9 En8
Includes research on mosquito vectors of disease.
- 58355 FERNANDEZ, A. T., and RANDOLPH, N. M. The susceptibility of house flies reared under various photoperiods to insecticide residues. J. Econ. Entomol. 59(1):37-39. Ref. Feb.1966. 421 J822
DDT, endrin and dieldrin tested.
- 58356 FILIPPOV, YU. M. Value of vitamin C in early diagnosis of pesticide poisoning. (Rus) Veterinariya 9:69-70. Sept.1965. 41.8 V6426
Toxicity of organic phosphorus insecticides to rats.
- 58357 FLOCH, H. A. Mosquito control in French Guiana at the end of 1964. (Fr) Inst. Pasteur Guyane Franc. Inini. Publ. 484:1-14. Oct.1964. 448.9 In77
Chemical control of *Aedes* and *Culex*.
- 58358 FLYNN, A. D., and SCHOOF, H. F. Susceptibility of *Aedes aegypti* (L.) from Florida and Texas to DDT, dieldrin and malathion. Mosquito News 25(4):411-414. Dec.1965. 421 M85
- 58359 FOLKERS, C., and MOHAMMED, A. N. The importance of biting flies other than *Glossina* in the epidemiology of trypanosomiasis in cattle in Shika Northern Nigeria. Bull. Epizoot. Dis. Afr. 13(4):331-339. Dec.1965. 41.8 B872
Biting flies chiefly *Stomoxys* and *Tabanus* spp.
- 58360 FOULK, J. D. A flower-pot emergency trap for *Leptoconops kerteszi*. J. Econ. Entomol. 59(1):225-226. Feb.1966. 421 J822
Livestock and human pest.
- 58361 FREUDIGER, U. Therapy of mange in dogs and cats. (Ge) Berliner Munchener Tierarztl. Wochensh. 79(3):52-54. Ref. Feb.1,1966. 41.8 B45
English summary.
- 58362 FURMAN, D. P. Hepatozoon balfouri (Laveran, 1905): sporogonic cycle, pathogenesis, and transmission by mites to jerboa hosts. J. Parasitol. 52(2):373-382. Apr.1966. 448.8 J824
Haemolaelaps longipes and *H. centrocarpus*.
- 58363 GILBERT, I. H. Evaluation and use of mosquito repellents. JAMA (J. Amer. Med. Ass.) 196 (3):163-165. Apr.18,1966. 448.9 Am37
Deet and other chemicals.
- 58364 GLANCEY, B. M. Hempa as a chemosterilant for the yellow-fever mosquito *Aedes aegypti* (L.) (Diptera: Culicidae). Mosquito News 25(4): 392-396. Ref. Dec.1965. 421 M85
- 58365 GOJMERAC, W. L. Keep milk safe; control flies with safe sprays. Wis. Univ. Ext. Spec. Circ. 59,rev.,8 p.-folder. Jan.1966. 275.29 W75S
- 58366 GOMEZ-NUNEZ, J. C., GOSS, A., and MACHADO, C. Gamma radiation and the reproductive behavior of the male of *Rhodnius prolixus*. (Sp) Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:203-212. Ref. 1964,pub.1965. 173 At7Pi
English summary.
Possible use in control of vector of Chagas' diseases.
- 58367 GOULDING, R. L., and EVERY, R. W. Control of external parasites of sheep. Oreg. State Univ. Ext. Ext. Circ. 731,8 p.-folder. Mar. 1966. 275.29 Or32C
- 58368 GROMASHEVSKII, L. V. Possibility of transmission of tick relapsing fever by lice. I. (Rus) Med. Parazit. Parazitarn. Bolezni 34 (6):729-733. Nov./Dec.1965. 448.8 M469
English summary, p.759
- 58369 HAMMON, W. M., and SATHER, G. History and recent reappearance of viruses in the California encephalitis group. Amer. J. Trop. Med. Hyg. 15(2):199-204. Ref. Mar.1966. 448.8 Am326
Includes isolates from mosquitoes.

- 58370 HAPKE, H. J. Diagnosis and treatment of animal poisoning by insecticides: summary review. (Ge) Deut. Tierarztl. Wochenschr. 73(2): 38-40. (Cont.) Jan.15,1966. 41.8 D482
- 58371 HAPKE, H. J. Diagnosis and treatment of animal poisoning with insecticides: summary review. (Ge) Deut. Tierarztl. Wochenschr. 73(4):88-91. (Concl.) Feb.15,1966. 41.8 D482
- 58372 HARDY, J. L. *Culex tarsalis* Coquillett as a vector of an attenuated strain of western equine encephalomyelitis virus. Soc. Exp. Biol. Med. Proc. 121(2):402-405. Ref. Feb.1966. 442.9 So1
- 58373 HARRISON, R. B. The detection and determination of organochlorine pesticide residues in wildlife with special reference to endrin. J. Sci. Food Agr. 17(1):10-13. Ref. Jan.1966. 382 So12
Wildlife toxicity in Great Britain.
- 58374 HATZIOLOS, B. C. Cuterebra larva in the brain of a cat. Amer. Vet. Med. Ass. J. 148(7):787-793. Ref. Apr.1,1966. 41.8 Am3
Identified either as *Cuterebra americana* or *Cuterebra horripilum*.
- 58375 HERRICK, J. B. Livestock profits hinge on insect control. Nation's Agr. 41(4):10-12. Apr.1966. 280.82 B89
Chemical.
- 58376 HINMAN, E. H. How much control of communicable diseases? Amer. J. Trop. Med. Hyg. 15(2):125-134. Ref. Mar.1966. 448.8 Am326
Includes those transmitted by insects.
- 58377 ILLINOIS UNIVERSITY. COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. 1966 suggested insecticide guide; insect control for livestock and livestock barns. Ill. Univ. Ext. Circ. 898, rev., 4 p. Jan.1966. 275.29 IL62C
Illinois Natural History Survey, cooperating.
- 58378 ISHIDA, M., and DAHM, P. A. Electron affinity and animal toxicity of benzene hexachloride isomers. J. Econ. Entomol. 58(6):1164-1166. Ref. Dec.1965. 421 J822
To insects and rats.
- 58379 IVASHKOV, I. S., and TALANOV, G. A. Use of chlorophos and DDVP for control of *Hypoderma bovis*. (Rus) Veterinariya 9:55-56. Sept.1965. 41.8 V6426
- 58380 JEANNIN, R. The dangers of insecticides. (Fr) Apiculteur 110(2):41-42. Feb.1966. 424.8 Ap3
Chiefly toxicity to bats.
- 58381 JOHNSON, D. R. Status of malaria eradication in India—1965. Mosquito News 25(4):361-374. Ref. Dec.1965. 421 M85
Includes chemical control of *Anopheles* spp.
- 58382 KEPKA, O. Die herbstmilbe (*Neotrombicula autumnalis*) [The autumn mite (*Neotrombicula autumnalis*)]. Merkbl. Angew. Parasitenk. Schadlingsbekämpfung. Merkbl. 12(sup.), 13 p. 1965. 436.8 An4
Vector of disease and its chemical control.
- 58383 KEPPLER, W. J., KLASSEN, W., and KITZMILLER, J. B. Laboratory evaluation of certain larvicides against *Culex pipiens*, Linn., *Anopheles albimanus* Wied. and *Anopheles Quadrimaculatus* Say. Mosquito News 25(4):415-419. Ref. Dec.1965. 421 M85
- 58384 KESHEN, A. S. Two-way radios speed Essex County mosquito control. Pest Contr. 34(4):12-15. Apr.1966. 449.8 Ex8
- 58385 KNOWLTON, G. F. Face fly [*Musca autumnalis*] control on horses. Utah. State Univ. Ext. Entomol. Mimeo Ser. 91, 1 p. Mar.1966. 275.29 Ut1En
Dichlorvos treated plastic strands on halter.
- 58386 KNOWLTON, G. F. Insect control on dairy cattle. Utah. State Univ. Ext. Entomol. Mimeo Ser. 88, 2 p. Mar.8,1966. 275.29 Ut1En
Chemical control.
- 58387 KOLMAN, J. M., MALKOVA, D., and SMETANA, A. Isolation of a presumably new virus from unengorged *Ixodes ricinus* ticks. Acta Virol. 10(2):171-172. Mar.1966. 448.3 Ac85
- 58388 KORENBERG, E. I. Role of birds in the feeding of ixodid ticks in natural foci of encephalitis in the forest zone. 11 p. Ref. (TT 64-15632) Transl. 15845
Translation from Zoologicheskii Zhurnal 41(8):1220-1225. 1962.
Issued by CFSTI.
- 58389 KORTE, F., and STIASNI, M. Transformation of telodrin-¹⁴C by microorganisms and mosquito [*Aedes aegypti*] larvae. (Ge) Justus Liebig's Ann. der Chem. 673:146-152. Ref. 1964. 384 An7
- 58390 KOSSAKOWSKI, S., and KUJAWSKI, J. Poisoning of domestic animals by organic phosphorus plant protection preparations. (Pol) Med. Weter. 21(9):513-517. Sept.1965. 41.8 M463
Insecticides.
- 58391 KRISHNA, J. G., and CASIDA, J. E. Insecticide metabolism: fate in rats of the radiocarbon from ten variously labeled methyl- and dimethyl-carbamate-¹⁴C insecticide chemicals and their hydrolysis products. J. Agr. Food Chem. 14(2):98-105. Ref. Mar./Apr.1966. 381 J8223
- 58392 KUKLINA, T. E. Study of nymphs under conditions of Uzbekistan. (Rus) Uz. Biol. Zhur. 3: 62-64. 1965. 442.8 Uz1
Hyalomma anatolicum on livestock.
Abstracted in Ref. Zh. Biol. 21(sect.K):14. Nov.1965. 241.7 R25
- 58393 KUTZER, E., and SUPPERER, R. Further experiments on *Hypoderma* larvae control with the injectable phosphoric acid ester "Warbex." (Ge) Wien. Tierarztl. Monatsschr. 52(11):981-985. Ref. Nov.1965. 41.8 T345
English summary.
Cattle pest control.
- 58394 LABRECQUE, G. C., EVERS, M. C., and MEIFERT, D. W. Control of house flies in outdoor privies with larvicides. J. Econ. Entomol. 59(1):245. Feb.1966. 421 J822
- 58395 LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE. Report on the work of the school for the year 1964-1965. London, 1965. 136 p., map. 448.9 L842R
Includes Dept. of Entomology.
- 58396 LANDAU, I., and KILLICK-KENDRICK, R. Preliminary note on the evolutionary cycle of *Plasmodium* of the rodent *Thamnomys rutilans* in the Central African Republic. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1113-1116. Mar.7,1966. 505 P21
Transmitted by *Anopheles stephensi*.
- 58397 LITVINOVA, N. F. Synanthropic flies of the town of Blagoveshchensk: peculiar features of ecology of flies of the family Muscidae. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):529-533. Sept./Oct.1965. 448.8 M469
English summary.
As vectors of human diseases.
- 58398 LEWIS, L. F., CHRISTENSON, D. M., and EDDY, G. W. Control of mosquito larvae in Willamette Valley, Oregon log ponds. Mosquito News 25(4):400-402. Dec.1965. 421 M85
With fenthion and Abate.
- 58399 LUMSDEN, W. H. R. Biological aspects of trypanosomiasis research. Advances Parasitol. 3:1-57. Ref. 1965. 436.8 Ad9
Review of the literature.
Includes arthropod vectors.
- 58400 LUSCHIN, B. Warble fly control with Ruelene 25 ER. (Ge) Wien. Tierarztl. Monatsschr. 53(3):194-200. Ref. Mar.1966. 41.8 T345
Hypoderma bovis.

- 58401 MAGAT, A. Experiments for control of warbles performed in 1964-1965 by the veterinary research service of the Technical Center for Leather [Centre Technique du Cuir]. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chausure Autres Indus. Utilisatrices, Bull. Doc. Inform. 27(8/10):154-155. Aug./Oct.1965. 303.8 B87
Chemical control of Hypoderma, cattle pests.
- 58402 MAIBACH, H. L., and others. Factors that attract and repel mosquitoes in human skin. JAMA (J. Amer. Med. Ass.) 196(3):173-176. Ref. Apr.18,1966. 448.9 Am38
W. A. Skinner, W. G. Strauss, and A. A. Khan, joint authors.
Tested with *Aedes aegypti*.
- 58403 MALKOVA, D., and others. Natural focus of Tahyna virus in South Moravia. J. Hyg. Epidemiol. Microbiol. Immunol. 9(4):434-440, map. 1965. 448.8 J826
V. Danielova, J. M. Kolman, J. Minar, and A. Smetana, joint authors.
Isolated from *Aedes vexans* and *A. cantans*.
- 58404 MEANS, R. G. *Culex territans* Walker biting man in nature. Mosquito News 25(4):489. Ref. Dec.1965. 421 M85
- 58405 MERINOV, V. A. Ecology of tick *Dermacentor nuttalli* and its role in epizootiology of rickettsial diseases in northern Asia. (Rus) In Probl. med. parazitol i profilaktiki infektsii 1964:621-643. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.K):13. Nov.1965. 241.7 R25
- 58406 MEYER, K. F., MCNEILL, D., and WHEELER, C. M. Results of a preliminary serological survey of small mammal populations for plague on the island of Hawaii. World Health Organ. Bull. 33(6):809-815, map. Ref. 1965. 449.9 W892B
Includes flea vectors.
- 58407 SPENCER, R. W. How we are solving mosquito problems in coastal areas. Pest Contr. 34(4):17-18, 20, 22. Apr.1966. 449.8 Ex8
In Massachusetts.
- 58408 STRICKLAND, R. K., and GERRISH, R. R. Efficacy of coumaphos against *Psoroptes ovis*. Amer. Vet. Med. Ass. J. 148(5):553-555. Mar.1,1966. 41.8 Am3
On sheep.
- 58409 STRINGER, W. L. War on lice in Coromandel County shows promise of complete eradication. New Zeal. J. Agr. 112(2):24-25, 27. Feb.1966. 23 N48J
Sheep dipping.
- 58410 SUDIA, W. D., CHAMBERLAIN, R. W., and COLLIER, M. I. The CDC [U. S. Communicable Disease Center] entomological chill table, a refrigerated unit for use in processing mosquitoes for virus isolation studies. Mosquito News 25(4):385-389. Dec.1965. 421 M85
- 58411 SUPPERER, R., and KUTZER, E. Hypoderma larvae control—necessity and problem. (Ge) Wien. Tierarztl. Monatsschr. 52(12):1053-1062. Ref. Dec.1965. 41.8 T345
English summary.
Hypoderma bovis, chiefly.
- 58412 SZABO, J. B. Dangerous arthropods. (Hu) Buvar 9(1):35-37. Ref. Jan./Feb.1964. 410 B98
Chiefly blood-sucking.
- 58413 TEMKOV, L., and MICHAÏLOV, S. Influence of certain psychotropic medicines on the evolution of hypoxia provoked by potassium cyanide and by Dipterex. (Fr) Bulgarska Akad. Nauk. Dokl. 18(4):397-400. 1965. 512 So2
In rats and mice.
- 58414 TERNOVOI, V. I., and BANNOV, A. T. Protection of animals against blood-sucking insects. (Rus) Veterinariya 9:95-96. Sept.1965. 41.8 V6426
Dusting with polychloropine compounds for *Tabanus* control.
- 58415 TREECE, R. E. Effect of bovine diet on face fly development—a preliminary report. J. Econ. Entomol. 59(1):153-156. Feb.1966. 421 J822
Musca autumnalis.
- 58416 TRIFONOV, T. Scarab beetles [Scarabaeidae] as intermediate hosts of *Spirurata*, parasitizing swine. (Ge) Bulgarska Akad. Nauk. Dokl. 18(6):553-554. 1965. 512 So2
- 58417 UCHIDA, T., ZSCHINTZSCH, J., O'BRIEN, R. D. Relation between synergism and metabolism of dimethoate in mammals and insects. Toxicol. Appl. Pharmacol. 8(2):259-265. Ref. Mar.1966. 391.8 T662
- 58418 UILENBERG, G. Recent data to the knowledge of the blood parasite *Haematoxenus veliferus* of cattle in Madagascar. (Fr) Soc. Pathol. Exot. Bull. 58(3):432-445. Ref. May/June 1965. 448.9 So13
Boophilus microplus as possible vector.
- 58419 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Chicken lice; how to control them. U. S. D. A. Leaflet 474, rev., 8 p.-folder. Apr.1966. 1 Ag84L
Chemical control.
- 58420 USPENSKII, I. V. Toxic effect of granulated DDT. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(4):462-467. Ref. July/Aug.1965. 448.8 M469
English summary.
Ixodes ticks.
- 58421 UZPENSKII, I. V. An experience of early spring application of granulated DDT in a focus of tick [*Ixodes persulcatus*]-borne encephalitis. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):544-549. Sept./Oct.1965. 448.8 M469
English summary.
Aircraft.
- 58422 VARGAS, L. Some effects of residual insecticides on adult mosquitoes. Mosquito News 25(4):439-441. Dec.1965. 421 M85
- 58423 YEOMAN, G. H. Demodectic mange in cattle. Vet. Rec. 78(8):297-298. Feb.19,1966. 41.8 V641
- 58424 WARD, R. A., RUTLEDGE, L. C., and BELL, L. H. Effect of chemosterilants on the development of malarial parasites in mosquitoes. Mosquito News 25(4):470-476. Ref. Dec.1965. 421 M85
Tests chiefly with *Aedes aegypti* and *Plasmodium gallinaceum*.
- 58425 WEBBER, J. Mobility, one weapon Nicaragua's SNEM [Servicio Nacional de Eradicacion de la Malaria] uses in its malaria mosquito eradication program. Pest Contr. 34(1):22, 24, 26, 28. Jan.1966. 449.8 Ex8
- 58426 WESLEY, R. L., and others. Depletion of DDT from commercial layers. Poultry Sci. 45(2):321-324. Mar.1966. 47.8 Am33P
A. R. Stemp, B. J. Liska, and W. J. Stadelman, joint authors.
Effect of management practices on the depletion of DDT residues in the abdominal fat and egg yolks.
- 58427 WILSON, B. H. Transmission studies of bovine anaplasmosis with the horseflies, *Tabanus fuscicostatus* and *Tabanus nigrovittatus*. Amer. J. Vet. Res. 27(116):367-369. Jan.1966. 41.8 Am3A
- 58428 WOODARD, D. B., and CHAPMAN, H. C. Blood volumes ingested by various pest mosquitoes. Mosquito News 25(4):490-491. Dec.1965. 421 M85
- 58429 WRIGHT, F. C., HUNT, L. M., and PALMER, J. S. The biochemical effects of coumaphos and three oximes on certain enzyme systems and blood protein elements in cattle. Amer. J. Vet. Res. 27(116):177-185. Ref. Jan.1966. 41.8 Am3A
Oxime treatment in coumaphos poisoning.

- 58430 YASAROL, S. Kala-azar in Turkey: its relation to canine leishmaniasis. (Fr) Ann. Parasitol. Humaine Comp. 40(6):643-649, map. Ref. Nov./Dec. 1965. 436.8 An7
English summary.
Phlebotomus as vector.
- 58431 YASNOVA, G. P. Pathological and anatomical changes in acute organic phosphorus insecticide poisoning. (Rus) Veterinariya 9:60-61. Sept. 1965. 41.8 V6426
In livestock.
- 58432 YOUNG, M. D. Scientific exploration and achievement in the field of malaria. J. Parasitol. 52(1):3-8. Ref. Feb. 1966. 448.8 J824
Anopheles and Culex mosquitoes as vectors.
- 58433 ZAIDENOV, A. M., and KONDRASHOVA, M. I. Observations of domestic flies—vectors of enteric infections. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):525-528. Ref. Sept./Oct. 1965. 448.8 M469
English summary.
To man.
- 58434 ZHMAEVA, Z. M., PETRISHCHEVA, P. A., and PCHELKINA, A. A. Ticks—spontaneous vectors of the causative agent of Q-fever in different landscape zones of the USSR. Cesk. Parazitol. 12:35-40. Ref. 1965. 436.8 C33
- 58435 ZHUKOVA, L. I. Productional trials of some repellents against gnats and Ixodes persulcatus ticks. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):540-543. Sept./Oct. 1965. 448.8 M469
English summary.
Deet and R-228.
- 58436 ZUMPT, F. Myiasis in man and animals in the Old World; a textbook for physicians, veterinarians and zoologists. London, Butterworth, 1965. 267 p. RC168.M95Z8
Bibliography, p.246-257.
Identification of dipterous larvae and their medical and veterinary importance.
- Pests of Field and Truck Crops
- 58437 ADKISSON, P. L., and others. Low volume sprays of Guthion and malathion for reducing diapausing boll weevil [Anthonomus grandis] populations. Tex. Agr. Exp. Sta. Progr. Rep. PR-2405, 6 p. Feb. 17, 1966. 100 T31P
R. A. Bell, E. C. Berry, C. L. Cole, and S. J. Nemec, joint authors.
- 58438 AGARWAL, R. A. Performance of some foreign varieties of sugarcane to insect pests—a review. III. Indian Sugar [Calcutta] 15(8):541-544, 547. Nov. 1965. 65.8 In26
- 58439 AGUILAR YEPEZ, S. Alfalfa spotted aphid [Therioaphis maculata] in the central region of Mexico. (Sp) Panagra 5(64):20-22. Feb. 1966. 8 P196
- 58440 AMOS, J. M. Red spider mites, red mites, or plant mites. Va. Polytech. Inst. Ext. Leaf. 148, 2 p. Jan. 1966. 275.29 V81L
Chemical control of Tetranychidae, pest of vegetables and ornamentals.
- 58441 APP, B. A. Control alfalfa weevil in '66. Hoard's Dairyman 111(8):544, map. Apr. 25, 1966. 44.8 H65
Chemical control of Hypera postica.
- 58442 APPLE, J. W. How to combat soil insects in corn. Hoard's Dairyman 111(7):432, 481. Apr. 10, 1966. 44.8 H65
Chemical control.
- 58443 BAILEY, D. L. Development of techniques for mass production of lepidopterous larvae for use in connection with sorghum insect resistance studies. Diss. Abs. 26(3):1253-1254. Sept. 1965. 241.8 M58
- 58444 BECKHAM, C. M. Storage effect of disulfoton and phorate on germination and emergence of cotton seed. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.) 250, 6 p. Jan. 1966. 100 G293M
- 58445 BEEMSTER, A. B. R. VAN. Translocation of virus Y in potato plants after inoculation by aphids. Int. Symp. Crop Protect. [Pap.], 17th Symp.:117. 1965. 464.9 In834
- 58446 BENNETT, S., and LUTTRELL, H. Alfalfa weevil larval control with low-volume application of technical malathion. Tenn. Farm Home Sci. Progr. Rep. 56:22-23. Oct./Dec. 1965. 100 T25F
Hypera postica; includes equipment.
- 58447 BENNETT, S., and MULLINS, J. A. Using ultra low-volume insecticides. Tenn. Farm Home Sci. Progr. Rep. 56:8-9. Oct./Dec. 1965. 100 T25F
Includes equipment in control of Anthonomus grandis.
- 58448 BERNARDO, F. A., VILLAREAL, R. L., and GARCIA, M. U. Reaction of Musa balbisiana Musa textilis BC1 and BC2 to abaca mosaic virus. Philippine Agr. 49(1):47-51. June 1965. 25 P542
Aphis gossypii as vector.
- 58449 BERTE, F., DECRAEMER, S., and GILLARD, A. Some results of cabbage root-fly (Delia brassicae Bouche) investigations in Belgium. Int. Symp. Crop Protect. [Pap.], 17th Symp.: 101. 1965. 464.9 In834
Includes control.
- 58450 BIERNAUX, J. Trapping [Blaniulus guttulatus] and millipede populations in beet fields. Int. Symp. Crop Protect. [Pap.], 17th Symp.:108. 1965. 464.9 In834
- 58451 BIGGER, J. H., JOHNSON, P. E., and WEIBEL, R. O. Controlling Hessian fly [Mayetiola destructor] with phorate and disulfoton. J. Econ. Entomol. 58(6):1083-1085. Dec. 1965. 421 J822
Wheat pests.
- 58452 BLICKENSTAFF, C. C. Standard survey procedures for the alfalfa weevil [Hypera postica]. Entomol. Soc. Amer. Bull. 12(1):29-30. Mar. 1966. 423.9 En8
- 58453 BODOR, J. Fly pests of asparagus. (Hu) Kerteszeti Szulesz. 15(6):20-21. Mar. 1966. 80 K474
Platyparea poeciloptera and Melanagromyza simplex.
- 58454 BOURNIER, A., and KHIAL, B. Preliminary note on Dipsosiphia ichneumoniformis on sainfoin. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1252-1255. Dec. 8/15, 1965. 14 P215Bc
- 58455 BRAZZEL, J. R. Application and performance of low volume formulations of insecticides for cotton insect control. Agrichem. West 9(4):13-14, 16. Apr. 1966. 381 Ag85
- 58456 CANNON, W. N., and TERRIERE, L. C. Egg production of the two-spotted spider mite on bean plants supplied nutrient solutions containing various concentrations of iron, manganese, zinc, and cobalt. J. Econ. Entomol. 59(1):89-93. Ref. Feb. 1966. 421 J822
Tetranychus urticae.
- 58457 CARLSON, E. C. Further studies of damage to safflower plants by thrips and Lygus bugs. J. Econ. Entomol. 59(1):138-141. Feb. 1966. 421 J822
Frankliniella occidentalis and Lygus hesperus.
- 58458 CHATTERJEE, P. B. The utilization of Bacillus thuringiensis Berliner in the control Anomis sabulifera Guenee (Lepidoptera, Noctuidae) on jute plant (Corchorus olitorius Linnaeus). J. Invertebrate Pathol. 7(4):512-513. Dec. 1965. 421 J826
India.
- 58459 CHIPPENDALE, G. M. Aspects of the nutrition of two phytophagous lepidopterans. Diss. Abs. 26(9):5603. Mar. 1966. 241.8 M58
Trichoplusia ni and Ostrinia nubilalis.
- 58460 CHMYR', P. Control of sugar beet leaf miner. (Rus) Zashch. Rast. Bolezni 3:24. 1965. 421 Z1
Pegomya hyoscyami; chemical control.

- 58461 CREIGHTON, C. S., CUTHBERT, E. R., and REID, W. J. Fecundity of and hatch of eggs from banded cucumber beetles treated with three aziridines: preliminary tests. J. Econ. Entomol. 59(1):163-165. Feb. 1966. 421 J822
Metepa, tepa and apholate.
- 58462 DAVIS, F. M. Biology of the southwestern corn borer, *Zeadiatraea grandiosella* (Dyar), in Mississippi. Diss. Abs. 26(9):4976. Mar. 1966. 241.8 M58
- 58463 DAVIS, J. W., and others. Control of several cotton pests with systemic insecticides. J. Econ. Entomol. 59(1):159-162. Feb. 1966. 421 J822
W. C. Watkins, C. B. Cowan, R. L. Ridgway, and D. A. Lindquist, joint authors
- 58464 DEKLE, G. W. Illustrated key to caterpillars on corn. Fla. Dep. Agr. Div. Plant Indus. Bull. 4, 14 p. Mar. 1965. 2 F668
- 58465 DOMINICK, C. B. Insecticide tests for control of the tobacco flea beetle [*Epitrix hirtipennis*]. Tobacco [New York] 161(22):32-34. Nov. 26, 1965. 286.89 T552
- 58466 DOROUGH, H. W., RANDOLPH, N. M., and WIMBISH, G. H. Imidan and trichlorfon residues on Coastal Bermudagrass. Tex. Agr. Exp. Sta. Progr. Rep. PR-2385, 6 p. Dec. 20, 1965. 100 T31P
In controlling *Laphygma frugiperda*; concerns length of time for residues to disappear so that crop is safe for use.
- 58467 DOUGLAS, A. G. Selection in cotton for antibiosis to the boll weevil, *Anthonomus grandis*. J. Econ. Entomol. 59(1):32-34. Feb. 1966. 421 J822
- 58468 DOUGLAS, W. A., and MOORE, E. L. Chemical control of corn earworm [*Heliothis zea*] in large plantings of sweet corn, State College, Mississippi. Miss. Agr. Exp. Sta. Bull. 718, 8 p. Nov. 1965. 100 M69
DDT and carbaryl used.
- 58469 DZHAFAROV, A. A. Grain beetles of Nakhichevan ASSR and methods of their control. (Rus) Nakhichevansk. Kompleksn. Zonal'n. Opytn. St. Tr. 3:73-78. 1964. (Not in Libr.)
Anisoplia austriaca, *A. leucaspis* and *A. signata*.
Abstracted in Ref. Zh: Biol. 20(sect.E):6. Oct. 1965. 241.7 R25
- 58470 ELDEFRAWI, M. E., and others. Susceptibility to acaricides of the mite *Tetranychus cinnabarinus* infesting cotton in Egypt. J. Econ. Entomol. 58(6):1106-1110. Ref. Dec. 1965. 421 J822
A. H. Hosny, A. Topozada, and S. Hassan, joint authors.
- 58471 ELIAS B., L. A., and ORTEGA, A. Evaluation of programs for application of insecticides for control of cotton pests in the Yaqui Valley, Sonora. (Sp) Agr. Tec. Mex. 2(5):232-236. July 1965. 8 Ag839
- 58472 FED'KO, I. Control of grain beetle. (Rus) Zashch. Rast. Vred. Boleznei 3:23. 1965. 421 Z1
Zabrus tenebrioides with BHC and heptachlor.
- 58473 FRENCH, J. C. Tobacco insect control. Ga. Univ. Ext. Circ. 413, rev., 10 p.-folder. Jan. 1966. 275.29 G29C
Chemical control.
- 58474 GENUNG, W. G., and ORSENIGO, J. R. Insect infestation in relation to subsequent weed invasion of improved pastures. Fla. Entomol. 48(4):221-226. Ref. Dec. 1965. 420 F662
- 58475 GERHARDT, P. D. Potato psyllid [*Paratrioza cockerelli*] and green peach aphid [*Myzus persicae*] control on Kennebec potatoes with Temik and other insecticides. J. Econ. Entomol. 59(1):9-11. Feb. 1966. 421 J822
- 58476 GILMORE, J. E. Preliminary field evaluation of a noninclusion virus for control of the citrus red mite. J. Econ. Entomol. 58(6):1136-1140. Dec. 1965. 421 J822
Panonychus citri.
- 58477 GLUKHOVA, O. Control of the Colorado potato beetle. (Rus) Zashch. Rast. Vred. Boleznei 3:45. 1965. 421 Z1
Control of *Leptinotarsa decemlineata* on eggplants using chlorophos.
- 58478 GOULD, G. E. Control of soil insects affecting corn, 1951-1964. Ind. Agr. Exp. Sta. Res. Bull. 806, 11 p. Ref. Jan. 1966. 100 In2P
Chemical control.
- 58479 GRAVES, J. B., and others. Seasonal occurrence of *Heliothis* larvae on cotton in Louisiana. J. Econ. Entomol. 58(6):1152-1153. Dec. 1965. 421 J822
D. F. Clower, J. L. Bagent, and J. R. Bradley, joint authors.
Heliothis zea and *H. virescens*.
- 58480 GRIGARICK, A. A., and BEARDS, G. W. Ovipositional habits of the rice water weevil [*Lissorhoptrus oryzophilus*] in California as related to a greenhouse evaluation of seed treatments. J. Econ. Entomol. 58(6):1053-1056. Dec. 1965. 421 J822
- 58481 HALL, R. C. Sagebrush defoliator [*Aroga websteri*] outbreak in northern California. U. S. Forest Serv. Res. Note PSW-75, 12 p. Ref. 1965. A99.9 F7652
Pest of *Artemisia*.
- 58482 HARRISON, D. L., and HASTIE, B. A. Diazinon residues in the milk of cows and fat of sheep after feeding on pasture treated with diazinon. New Zeal. J. Agr. Res. 9(1):1-7. Feb. 1966. 23 N4892
- 58483 HEDIN, P. A., THOMPSON, A. C., and MINYARD, J. P. Constituents of the cotton bud. III. Factors that stimulate feeding by the boll weevil. J. Econ. Entomol. 59(1):181-185. Ref. Feb. 1966. 421 J822
- 58484 HENNEBERRY, T. J., and KISHABA, A. N. Effects of some chemosterilants on the viability of eggs, fecundity, mortality, and mating of the cabbage looper [*Trichoplusia ni*]. J. Econ. Entomol. 59(1):156-159. Feb. 1966. 421 J822
- 58485 HEUVER, M. Control of insects in beets and peas. (Du) Loonbedrijf Land- Tuinbouw 18 (4):333, 335, 337. Apr. 1965. 283.8 L87
- 58486 HODGES, J. W., BESHEAR, R. J., BECKHAM, C. M. Relative seasonal abundance of bollworm and tobacco budworm larvae on cotton in Georgia. J. Econ. Entomol. 59(1):128-131. Ref. Feb. 1966. 421 J822
Heliothis zea and *H. virescens*, respectively.
- 58487 HOHENER, H. Continued field trials with Solvirex, insecticide granules in field crops. Int. Symp. Crop Protect. [Pap.], 17th Symp.:106. 1965. 464.9 In834
Controls aphids.
- 58488 HOLM, E. Legume green feed and quality problems in connection with import of forage pea and vetch seeds. (Sw) Svensk Frotidn. 34 (10):135-138. Oct. 15, 1965. 61.8 Sv2
Chiefly on insect and weed contamination of the seed.
- 58489 HORIGUCHI, H. Studies on the control of the rice stem borer by the application method of pouring insecticides onto water in paddy rice field. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 32:109-144. Ref. Mar. 1965. 107.6 M822
English summary.
Chilo simplex control with lindane.
- 58490 HOWLAND, A. F., VAIL, P., and HENNEBERRY, T. J. Results of cage experiments with sterile male releases and a chemosterilant technique for control of cabbage looper populations. J. Econ. Entomol. 59(1):194-196. Feb. 1966. 421 J822
Tepa tested on *Trichoplusia ni*.
- 58491 HULSHOFF, A. J. A. Control of insects in grain and beets. (Du) Loonbedrijf Land- Tuinbouw 19(1):67, 69, 71. Jan. 1966. 283.8 L87

- 58492 HUSSEIN, F., and HUSSEIN, M. G. Cytological effects of some organophosphorus compounds on *Vicia faba* L. J. Bot. United Arab Repub. 6:27-51. Ref. 1963, pub. 1965. 450 Eg9 Insecticides.
- 58493 HUSSEIN, F., and HUSSEIN, M. G. Note on some morphological effects of gusathion on *Vicia faba* L. J. Bot. United Arab Repub. 6:85-95. Ref. 1963, pub. 1965. 450 Eg9
- 58494 ILLINOIS, UNIVERSITY. COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. 1966 suggested insecticide guides: insect control for field crops. Ill. Univ. Ext. Circ. 899, rev., 8 p. Jan. 1966. 275.29 IL62C
Illinois Natural History Survey, cooperating.
- 58495 ISMAILOV, M. Migration of mallow moths to cotton plants. (Rus) Zashch. Rast. Vred. Boleznei 3:44. 1965. 421 Z1
Gelechia malvella.
- 58496 JACKLIN, S. W., SMITH, F. F., and BOSWELL, A. L. Egg mortality after gamma irradiation of adults of the omnivorous leaf roller [Platynota stultana]. J. Econ. Entomol. 58(6):1168-1169. Dec. 1965. 421 J822
Pest of field crops and greenhouse cultures.
- 58497 JORDAN, C. R., and FRENCH, J. C. Control cotton insects! Ga. Univ. Ext. Circ. 501, rev., 16 p. Feb. 1966. 275.29 G29C
Chemical control.
- 58498 KEASTER, A. J. Environmental factors influencing European corn borer [*Ostrinia nubilalis*] populations in southeastern Missouri. Diss. Abs. 26(3):1255-1256. Sept. 1965. 241.8 M58
- 58499 KLEIN, J. Damage in wheat quality caused by grain bugs. (Hu) Malomipar Termenyforgalom 12(5):164-169. May 1965. 298.8 M292
Eurygaster austriaca, E. maura and Aelia acuminata.
- 58500 KNAPP, J. L. A comparison of resistant and susceptible dent corn single crosses to damage by the corn earworm, *Heliothis zea* (Boddie). Diss. Abs. 26(9):4918. Mar. 1966. 241.8 M58
- 58501 KNOWLTON, G. F. Beet leafhopper outlook for 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 85, 1 p. Feb. 23, 1966. 275.29 Ut1En
Circulifer tenellus in Southwestern States.
- 58502 KNOWLTON, G. F. Potato psyllid [*Paratrioza cockerelli*] outlook for 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 92, 1 p. Mar. 30, 1966. 275.29 Ut1En
In Arizona and California.
- 58503 KNOWLTON, G. F. Range entomology, an important problem of the West. Utah. State Univ. Ext. Entomol. Mimeo Ser. 84, 5 p. Feb. 1966. 275.29 Ut1En
Includes biological control.
- 58504 KOYAMA, T. Studies on the control of the rice stem-maggot by application of insecticides to the soil. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 32:89-108. Mar. 1965. 107.6 M822
English summary.
Control of *Chlorops oryzae*.
- 58505 KOZINETZ, N. I., and POKOZII, V. T. Aerosols in the control of hemp flea. (Rus) Len i Kono-
plya 7:29-31. 1964. 73.8 L542
- 58506 LATVIJAS PSR ZINATNU AKADEMIJA. INSTITUT BIOLOGII. Fauna Latviiskoi SSR i sopredel'nykh territorii [Fauna of Latvian SSR and adjoining territories]. v. 4. Riga, 1964. 332 p., map. Ref. 410.9 R445
Insects and ticks as field crop pests and their control.
- 58507 LINCOLN, C., and others. Molasses-insecticide sprays for control of bollworm. Ark. Farm Res. 15(1):4. Jan./Feb. 1966. 100 Ar42F
G. Dean, J. R. Phillips, E. J. Matthews, and G. S. Nelson, joint authors.
Heliothis zea.
- 58508 LINCOLN, C., and WADDLE, B. A. Insect resistance of Frego-type cotton. Ark. Farm Res. 15(1):5. Jan./Feb. 1966. 100 Ar42F
Mutant form with rolled bracts; resistance to *Heliothis zea* and *Anthonomus grandis*.
- 58509 LOUNSKY, J. The improvement of Brussels chicory seen from the angle of miner control. (Fr) Ann. Gembloux 71(3):221-228. Third Q. 1965. 13 G28
Particularly *Napomyza lateralis*.
- 58510 LUKEFAHR, M. J., and MARTIN, D. F. Cotton plant pigments as a source of resistance to the bollworm and tobacco budworm. J. Econ. Entomol. 59(1):176-179. Ref. Feb. 1966. 421 J822
Heliothis zea and *H. virescens*, respectively.
- 58511 MAMEDOVA, S. Insect pests of Persian clover. (Rus) Zashch. Rast. Vred. Boleznei 3:51-52. 1965. 421 Z1
Control with DDT and BHC.
- 58512 MARKS, J. Science fights "beetle battle" [*Oulema melanopus*]. Hoard's Dairyman 111(7):436. Apr. 10, 1966. 44.8 H65
Grain pest control.
- 58513 MARTORELL, L. F. Field practices used to control sugar cane pests in Puerto Rico. Sugar Azucar 61(4):28-31. Ref. Apr. 1966. 65.8 F11
Text also in Spanish p. 53-54, 56-57.
- 58514 MATTHEWMAN, W. G., and LYALL, L. H. Resistance in cabbage to the cabbage maggot, *Hylemya brassicae* (Bouche). Can. Entomol. 98(1):59-69. Ref. Jan. 1966. 421 C16
- 58515 MCGOVAN, E. R. Avenues to insect control. Farm Technol. 21(6):7-8. (Condensed) June 1965. 256.28 N213
In field crops.
- 58516 MEIER, W. The importance of natural enemies in mass exchange of potato aphids. (Ge) Mitt. Schweiz. Landwirt. 13(8):125-130. Aug. 1965. 17 M69
Lowering of populations by other insects and fungi and possible use of chemical controls with least damage to these.
- 58517 MILLER, R. L. 1966-insecticide recommendations dilution chart for tobacco fields. Ky. Univ. Ext. Misc. 270-D, 4 p. Mar. 1966. 275.29 K415M
- 58518 MILLER, R. L. 1966-insecticide recommendations for field corn, small grains, grain sorghum, and bluegrass. Ky. Univ. Ext. Misc. 278-C, 2 p. Mar. 1966. 275.29 K415M
- 58519 MILLER, R. L., and PASS, B. C. 1966-insecticide recommendations for alfalfa, clover and soybeans. Ky. Univ. Ext. Misc. 279-C, 2 p. Mar. 1966. 275.29 K415M
- 58520 MILLER, R. L., and THURSTON, R. 1966-insecticide recommendations for tobacco beds. Ky. Univ. Ext. Misc. 251-D, 1 p. Mar. 1966. 275.29 K415M
- 58521 MINER, F. D. Research on effective insecticides to control soybean insects. Union Carb. Agr. Chem. Dig. 6(4):2-4. 1965. 381 Un3
- 58522 MISTRIC, W. J., and MITCHELL, E. R. Attractiveness of isolated groups of cotton plants to migrating boll weevils. J. Econ. Entomol. 59(1):39-41, map. Feb. 1966. 421 J822
Anthonomus grandis.
- 58523 MISTRIC, W. J., and MITCHELL, E. R. Effects of low dosages of insecticidal seed-treatments on cotton and cotton insects. J. Econ. Entomol. 59(1):57-60. Feb. 1966. 421 J822
- 58524 MUSICK, G. J., JACKSON, R. D., and BRINDLEY, T. A. The effect of dilution and particle size of granular endrin formulations on the control of European corn borers in field corn. J. Econ. Entomol. 58(6):1060-1063. Dec. 1965. 421 J822
Ostrinia nubilalis.
- 58525 NATH, P., and HALL, C. V. The genetic basis for cucumber beetle [*Diabrotica undecimpunctata howardi*] resistance in *Cucurbita pepo* L. Amer. Soc. Hort. Sci. Proc. 86:442-445. June 1965. 81 S012

- 58526 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de aspergevlug. [Control of the asparagus fly]. Neth. Plantenziektenkundige Dienst. Ber. 1647,2 p. June 25, 1965. 464.9 N38
Platyparea poeciloptera.
- 58527 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de coloradokever [Control of the Colorado beetle]. Neth. Plantenziektenkundige Dienst. Ber. 1640,3 p. May 14, 1965. 464.9 N38
Leptinotarsa decemlineata.
- 58528 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de koolvlieg [Control of the cabbage fly]. Neth. Plantenziektenkundige Dienst. Ber. 1662,2 p. Mar. 11, 1966. 464.9 N38
Hylemya brassicae.
- 58529 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de koolvlieg [Control of the cabbage maggot]. Neth. Plantenziektenkundige Dienst. Ber. 1635,3 p. Apr. 1, 1965. 464.9 N38
Hylemya brassicae.
- 58530 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de uievlug [Control of the onion fly]. Neth. Plantenziektenkundige Dienst. Ber. 1660,2 p. Feb. 21, 1966. 464.9 N38
Hylemya antiqua.
- 58531 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de wortelvlug [Control of the carrot rust fly]. Neth. Plantenziektenkundige Dienst. Ber. 1661,2 p. Feb. 25, 1966. 464.9 N38
Psila rosae.
- 58532 NETTLES, W. C., and SPARKS, L. M. Cotton insect control recommendations, South Carolina, 1966. Clemson Univ. Ext. Inform. Card 97, rev., 20 p. Mar. 1966. 275.29 So8I
Chemical control.
- 58533 NETTLES, W. C., THOMAS, C. A., and BENTON, D. A. Tobacco insect control recommendations for 1966. Clemson Univ. Ext. Inform. Card 82, rev., 11 p. Feb. 1966. 275.29 So8I
Chemical control.
- 58534 NICKEL, J. L. European corn borer [*Ostrinia nubilalis*] control in Cambodia. Trop. Agr. [St. Augustine] 43(2):143-147. Apr. 1966. 26 T754
Control with DDT, carbaryl and endrin.
- 58535 NIKOLOVA, V. Soil insects as pests of corn in Bulgaria. (Bu) Priroda [Sofia] 13(6):85-89. Nov./Dec. 1964. 410 P934
- 58536 O'KEEFFE, L. E. 1966 controls for alfalfa weevil [*Hypera postica*]. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 27,2 p. Apr. 1966. 275.29 Id13Idc
Chemical control.
- 58537 O'KEEFFE, L. E. Wireworm control, irrigated farming; 1966 recommendations for potatoes, sugar beets, beans and corn. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 24,4 p. Mar. 1966. 275.29 Id13Idc
Chemical control of *Limonius canus*, *L. californicus*, and *Ctenicera pruinina*.
- 58538 PADILLA, R. Effectiveness of various insecticides for control of the potato aphid *Myzus persicae* (Sulz.) in Leon, Gto. (Sp) Agr. Tec. Mex. 2(5):202-204. July 1965. 8 Ag839
- 58539 PALMER, L. T., and SILL, W. H. Effect of barley yellow dwarf virus on wheat in Kansas. Plant Dis. Rep. 50(4):234-238. Apr. 1966. 1.9 P69P
Rhopalosiphum padi as vector.
- 58540 PARK, P. O., and MCKONE, C. E. The persistence and distribution of soil-applied insecticides in an irrigated soil in northern Tanzania. Trop. Agr. [St. Augustine] 43(2):133-142. Ref. Apr. 1966. 26 T754
Aldrin, dieldrin and isobenzan in sugarcane soils.
- 58541 PATEL, K. K. The bionomics of northern corn rootworm. Diss. Abs. 26(9):4919-4920. Mar. 1966. 241.8 M58
Diabrotica longicornis.
- 58542 PAVLYUK, N. Entomophaga of sugar beet root aphid. (Rus) Zashch. Rast. Vred. Bolez-ni 3:41-42. 1965. 421 Z1
Syrphus, *Hemerobius* and *Chloropisca* as predators.
- 58543 PIANKA, M. Structures and pesticidal activities of derivatives of dinitrophenols. I. Structure and acaricidal activity of certain carbonates of dinitrophenols. J. Sci. Food Agr. 17(1):47-56. Jan. 1966. 382 So12
Against *Tetranychus telarius*.
- 58544 PINTHUS, M. J., SABAR, Z., and ARIEL, D. Stand establishment of hybrid grain sorghum. Israel J. Agr. Res. 15(4):211-214. Oct. 1965. 107 J552
Infested by *Atherigona varia*, *Agrotis*, and *Sesamia cretica*.
- 58545 POWELL, D. M., and LANDIS, B. J. A comparison of two sampling methods for estimating population trends of thrips and mites on potatoes. J. Econ. Entomol. 58(6):1141-1144. Dec. 1965. 421 J822
Thrips tabaci and *Tetranychus telarius*.
- 58546 RADCLIFFE, E. B., and CHAPMAN, R. K. Plant resistance to insect attack in commercial cabbage varieties. J. Econ. Entomol. 59(1):116-120. Feb. 1966. 421 J822
- 58547 RADCLIFFE, E. B., and CHAPMAN, R. K. Varietal resistance to insect attack in various cruciferous crops. J. Econ. Entomol. 59(1):120-125. Feb. 1966. 421 J822
- 58548 RANGLES, J. W. Necrotic yellows, devastating lettuce disease. S. Australia J. Agr. 69(7):266-268. Feb. 1966. 23 So84
Hyperomyzus lactucae as vector.
- 58549 RANDOLPH, N. M., and DOROUGH, H. W. Residues on grain sorghum sprayed with dimethoate, ethion, azinphosmethyl and methyl parathion. Tex. Agr. Exp. Sta. Progr. Rep. PR-2386, 6 p. Dec. 20, 1965. 100 T31P
Control of two-spotted mite, *Tetranychus telarius*; length of time for residues to disappear so that crop is safe for use.
- 58550 RAWLINS, W. A., and GONZALEZ, D. Incidence of aster yellows in lettuce as affected by placement of systemic insecticides. J. Econ. Entomol. 59(1):226-227. Feb. 1966. 421 J822
Macrosteles fascifrons as vector.
- 58551 RIDGWAY, R. L., JONES, S. L., and GORZYCKI, L. J. Tests for boll weevil control with a systemic insecticide and a boll weevil feeding stimulant. J. Econ. Entomol. 59(1):149-153. Feb. 1966. 421 J822
American Cyanamid CL 47301 against *Anthonomus grandis*.
- 58552 ROLSTON, L. H., and BOWDEN, H. Insecticidal control of the pickleworm [*Diaphania nitidalis*] and squash vine borer [*Melittia cucurbitae*]. Ark. Farm Res. 15(1):6. Jan./Feb. 1966. 100 Ar42F
Carbaryl, malathion, and endosulfan used on summer squash.
- 58553 SALAMA, A. E., and others. Toxicological studies on the Egyptian cotton leafworm, *Prodenia litura*. V. Contact versus stomach toxicity of insecticides to larvae. J. Econ. Entomol. 59(1):21-24. Feb. 1966. 421 J822
M. E. Eldefrawi, A. Toppozada, and S. Hassan, joint authors.
- 58554 SCOTT, G. E., and DICKE, F. F. Types of gene action of resistance in corn to leaf feeding of the European corn borer [*Ostrinia nubilalis*]. Crop Sci. 5(6):487-489. Nov./Dec. 1965. 64.8 C883
- 58555 SHEVCHENKO, A. Metaphos for control of pea weevil. (Rus) Zashch. Rast. Vred. Bolez-ni 3:23-24. 1965. 421 Z1
Bruchus pisorum.

- 58556 SHIRLEY, T. C. Developing area projects using traps to effect control of certain tobacco pests. Amer. Soc. Agr. Eng. Pap. 315, 11 p. 1965. 290.9 Am32P
- 58557 SKVORTSOV, I. V. Effective and convenient. (Rus) Sel'skoe Khoz. Tadzh. 10:46-52. Oct. 1965. 20 Se494
Spraying equipment for the control of vegetable pests.
- 58558 SMIRNOVA, A., SHABANOVA, M., and IONOVA, Z. Results of testing of trichloromethaphos-3. (Rus) Zashch. Rast. Vred. Boleznei 3:22-23. 1965. 421 J1
For control of insects and mites of field crops.
- 58559 SMITH, H. C. Three most important virus diseases in crops can now be economically controlled. New Zeal. J. Agr. 112(3):9-11. Mar. 1966. 23 N48J
Yellow dwarf on grain, leaf roll on potatoes, and top yellows on peas; transmitted by aphids.
- 58560 SMITH, J. G. Yam pests. Ghana Farmer 9(1):5-7, 29. Feb. 1965. 24 G564
Control with aldrin.
- 58561 SPARKS, A. N., and others. Evaluation of the influence of predation on [European] corn borer populations. J. Econ. Entomol. 59(1):104-107. Feb. 1966. 421 J822
H. C. Chiang, C. C. Burkhardt, M. L. Fairchild, and G. T. Weekman, joint authors.
Ostrinia nubilalis.
- 58562 STONER, A., and BUTLER, G. D. *Encarsia lutea* as an egg parasite of bollworm [*Heliothis zea*] and cabbage looper [*Trichoplusia ni*] in Arizona cotton. J. Econ. Entomol. 58(6):1148-1150. Dec. 1965. 421 J822
- 58563 STRAYER, J. R. Pasture insect control. Fla. Univ. Ext. Circ. 292, 6 p.-folder. Jan. 1966. 275.29 F66C
Chemical control.
- 58564 TAKSDAL, G. The new situation in the fight against pests [*Hylemya antiqua* and *Psila rosae*] of vegetables. (No) Gartneryrket 56(6):101, 111. Feb. 4, 1966. 80 G1938
With reference to insecticide residues in plants and insecticide toxicity to wildlife.
- 58565 TAKSDAL, G., and NORDBY, A. Granulated insecticides for cabbage. (No) Gartneryrket 56(14):320, 322, 336, 339. Apr. 1, 1966. 80 G1938
Control of *Hylemya*.
- 58566 THOMAS, C. A., and GODDARD, R. J. Low-volume concentrated sprays applied by ground equipment for control of the boll weevil [*Anthonomus grandis*]. J. Econ. Entomol. 59(1):114-116. Feb. 1966. 421 J822
- 58567 THOMSON, A. D., and PROCTER, C. H. Cucumber mosaic virus in lettuce. New Zeal. J. Agr. Res. 9(1):142-144. Feb. 1966. 23 N4892
Transmitted by aphids.
- 58568 THURSTON, R. Effect of insecticides on the green peach aphid, *Myzus persicae* (Sulzer), infesting burley tobacco. J. Econ. Entomol. 58(6):1127-1130. Dec. 1965. 421 J822
- 58569 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. WESTERN REGION. Beet leafhopper survey—desert areas of southern Utah and Nevada, southeastern California and central Arizona, January 31—February 12, 1966. Oakland, Calif., 1966. 2 p. A431 R312
Circulifer tenellus.
- 58570 VINSON, S. B. The penetration, distribution and metabolism of C^{14} labeled DDT in the larvae of the tobacco budworm *Heliothis virescens* (F.). Diss. Abs. 26(9):5611. Mar. 1966. 241.8 M58
- 58571 VITTAL, S. M., and SAROJA, R. A note on the control of *Prodenia litura* F. on castor. Madras Agr. J. 52(6):287-289. June 1965. 22 M262
Chemical control.
- 58572 WALKER, P. T. The distribution of loss of yield in maize and of infestations of maize stem borer [*Busseola fusca* Noctuidae] in East Africa. Int. Symp. Crop Protect. [Pap.], 17th Symp.:106. 1965. 464.9 In834
- 58573 WATSON, T. F. Influence of thrips on cotton yields in Alabama. J. Econ. Entomol. 58(6):1118-1122. Dec. 1965. 421 J822
Frankliniella fusca, *F. tritici* and *Thrips tabaci*.
- 58574 WATSON, T. F., and SCONYERS, M. C. Comparison of insecticide application schedules for control of cotton insects. J. Econ. Entomol. 58(6):1124-1127. Dec. 1965. 421 J822
Anthonomus grandis, *Heliothis zea* and *Heliothis virescens*.
- 58575 WATTS, J. G. Chirothrips falsus on black grama grass [*Bouteloua eriopoda*]. N. Mex. Agr. Exp. Sta. Bull. 499, 20 p. Ref. 1965. 100 N465
- 58576 WENE, G. P., and SHEETS, L. W. Cotton insect control with low volume concentrates of malathion applied by aircraft. J. Econ. Entomol. 58(6):1170-1171. Dec. 1965. 421 J822
- 58577 WOLFENBARGER, D. A. Variations in leaf miner and flea beetle injury in tomato varieties. J. Econ. Entomol. 59(1):65-68. Feb. 1966. 421 J822
Epitrix hirtipennis and *Liriomyza munda*.
- 58578 WOOD, T. K., and others. The presence and persistence of heptachlor epoxide and dieldrin residues on forage crops in New York. J. Econ. Entomol. 59(1):131-132. Feb. 1966. 421 J822
E. J. Armbrust, G. G. Gyrisco, W. H. Gutemann, and D. J. List, joint authors.
- 58579 WORKMAN, R. B. Phytotoxicity of insecticides to potatoes and cabbage. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(1):9. Jan. 1966. 100 F66Su
- 58580 YOUNG, D. F. Seasonal incidence of the *Heliothis* complex on cotton in Mississippi. Diss. Abs. 26(9):4923. Mar. 1966. 241.8 M58
- 58581 YOUNG, J. R., and BOWMAN, M. C. Evaluation of Shell SD-8447 for control of two sweet corn insects. J. Econ. Entomol. 59(1):170-173. Feb. 1966. 421 J822
Spodoptera frugiperda and *Heliothis zea*.
- 58582 ZSENBERT, S., and HORVATH, J. A cukoreepakartevok elorejelzese 1966-ra [Forecasting sugar beet pests for 1966]. Tudományos Tanacsado 1, 4 p. map. In Termeloszovetkezetek Tanacsadoja 12. Mar. 23, 1966. 280.28 T272
Insect pests.

Pests of Fruit and Nut Crops

- 58583 ANTONGIOVANNI, E., BIONDI, G., and ZAZZU, G. Use of Cidial oil in summer control of *Chrysomphalus dictyospermi* Morg. (It) Tec. Agr. 17(1):43-52. 1965. 16 T22
English summary.
Cidial mineral oil combination on citrus.
- 58584 ARCANIN, B. Application of the acaricide Animert V-101 in controlling the European red mite (*Panonychus ulmi*). (Se) Biljna Zastita 9(11/12):233-235. Nov./Dec. 1965. 464.8 B49
Chiefly pest of apples.
- 58585 AVERY, D. J. Growth of black currant infested with currant-lettuce aphid [*Hyperomyzus laticaudae*]. J. Hort. Sci. 41(2):189-196. Ref. Apr. 1966. 80 J825
- 58586 BALOCK, J. W. Differential effect of gamma radiation on fruit flies and fruit fly parasites. J. Econ. Entomol. 58(6):1169. Dec. 1965. 421 J822
Dacus dorsalis and *Ceratitis capitata*.
- 58587 BALOCK, J. W., and others. Gamma radiation as a quarantine treatment for Hawaiian fruit flies. J. Econ. Entomol. 59(1):202-204. Feb. 1966. 421 J822
A. K. Burditt, S. T. Seo, and E. K. Akamine, joint authors.
Dacus dorsalis, *D. cucurbitae* and *Ceratitis capitata* pests of fruits and vegetables.

- 58588 BARNES, G., and ROBERTS, J. E. Control peach borers. Ark. Univ. Ext. Leaf. 91, rev., 4 p. Jan. 1966. 275.29 Ar4Le
Chemical control of *Sanninoidea exitiosa*, pest of peach and plum trees.
- 58589 BEDFORD, E. C. G., and THOMAS, E. D. Biological control of the citrus blackfly, *Aleurocanthus woglumi* (Ashby) (Homoptera: Aleyrodidae) in South Africa. Entomol. Soc. Southern Afr. J. 28(1):117-132, map. Nov. 1965. 420 En86
By introducing *Eretmocerus serius*.
- 58590 BELOV, I., and SMIRNOV, V. Control of fruit mites. (Rus) Zashch. Rast. Vred. Bolezni 3: 39. 1965. 421 Z1
With Thiophos and paris green.
- 58591 BERLINGER, M. J. Trials in controlling the peach twig borer (*Anarsia lineatella* Zell.) on peaches in the Negev (1964). (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 488, 20 p. Jan. 1965. 107 R26
English summary.
- 58592 BERNIER, C. C. Mechanical transmission of aphid-borne raspberry viruses to herbaceous hosts. Diss. Abs. 26(9):4949. Mar. 1966. 241.8 M58
Transmission to *Chenopodium quinoa*.
- 58593 BHATHIA, L. J. Better control of singhara beetle [*Galerucella birmanica*]. Indian Farming 15(6):21. Sept. 1965. 22 In283
Control with BHC, carbaryl, and malathion.
- 58594 BODOR, J. Woolly apple aphid [*Eriosoma lanigerum* Hausm.] damages are increasing. (Hu) Kertesz Szolész. 15(5):11. Mar. 1966. 80 K474
- 58595 BOLLER, E. Three years of experience in timing-forecast for cherry fly [*Rhagoletis cerasi* L.] control by soil temperature measurement. (Ge) Schweiz. Z. Obst- Weinbau 102(3):63-67. Feb. 5, 1966. 80 Sch9
- 58596 BURTS, E. C., and KELLY, S. G. The effect of pear psylla, *Psylla pyricola*, control on growth and survival of Bartlett pear trees on two rootstocks. J. Econ. Entomol. 59(1):192-194. Feb. 1966. 421 J822
Chemical control.
- 58597 CARMAN, G. E. New recommendations for use of agricultural chemicals. Calif. Citrogr. 51 (6):220, 230, 232, 234, 236-237. Apr. 1966. 80 C125
Chiefly insecticides; policies in using them for the control of insects and mites on citrus.
- 58598 CHANG, S. C., and BORKOVEC, A. B. Determination of tepa residues on chemosterilized Mexican fruit flies. J. Econ. Entomol. 59(1): 102-104. Feb. 1966. 421 J822
Anastrepha ludens.
- 58599 COZZANI, C., MANTAUT, U., and POLLASTRO, L. Eryophid of mandarin orange (*Aculus pelekassi* Keifer). (It) Agr. Italia 11(12): 5-11. Dec. 1965. 16 Ag8232
English summary.
Chemical control.
- 58600 DEAN, H. A., and others. Effects of several oils and influence of deposit rates on the juice quality and maturity of grapefruit in Texas. Rio Grande Val. Hort. Soc. J. 19:3-11. Ref. 1965. 81 L95
R. C. Halter, C. E. Hoelscher, and J. C. Bailey, joint authors.
Oil insecticides.
- 58601 FERRO, S. Apricot insects: biology and control. (It) Agr. Napolitana 32(7/8):3-31. July/Aug. 1965. 16 Ag8268
- 58602 FORSYTHE, H. Y., and RINGS, R. W. Two promising experimental insecticides for control of the plum curculio. J. Econ. Entomol. 58(6):1116-1117. Dec. 1965. 421 J822
Bayer 37344 and Imidan.
- 58603 FUKUDA, H., and MASUDA, T. Behavior on and in rice plant and insecticidal effect on green rice leafhopper of 1-naphthyl N-methylcarbamate. (Ja) Kyushu Agr. Exp. Sta. Bull. 11(2):131-151. Ref. Aug. 1965. 107.6 K996B
English summary.
Nephotettix apicalis cincticeps.
- 58604 GENTET, C. Assurance of effectiveness and safety in fighting the enemies of plants. (Fr) Agriculture [Paris] 29(286):59. Feb. 1966. 14 Ag823
Use of economic poisons for pest control of fruit trees.
- 58605 GONCHAROVA, N. G., and SOKOLOVA, N. P. Pathological changes induced by midge [*Dasi-neura ribis*] larvae on tissues of black currant perianth. (Rus) Moskow. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 111 (1):37-40. 1965. 20 M857
Morphological and anatomical changes.
Abstracted in Ref. Zh. Biol. 21(sect. G):11. Nov. 1965. 241.7 R25
- 58606 GRECO, V. A contribution to the study of the protection of plums against the plum sawflies (*Hoplocampa minuta* Christ. and *Hoplocampa flava* L.). (Cz) Pol'nohospodarstvo 12(2):96-100. Ref. 1966. 19.5 P752
English summary.
- 58607 HORSBURGH, R. L. Changes in pest control and arsenical residue survey. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:65, 67-70. 1964. 82 N85
Chemical control.
- 58608 INSERRA, S. Attack of *Omophlus lepturoides* Fabr. on olive orchards of the Province of Catania. (It) Tec. Agr. 17(1):53-57. 1965. 16 T22
- 58609 JAQUES, R. P. The control of insects by diseases. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:39-42. 1964. 82 N85
Viral, fungal and bacterial diseases as pathogens for insect control.
- 58610 JEPPESON, L. R., JESSER, M. J., and COMPTON, J. O. Cycloheximide derivatives and mite control, with special reference to mites on citrus. J. Econ. Entomol. 59(1):15-19. Feb. 1966. 421 J822
Panonychus citri and *Tetranychus pacificus*.
- 58611 KATIYAR, K. P., and VALERIO, J. Further studies on the possible use of sterile-male release technique in controlling or eradicating the Mediterranean fruit fly, *Ceratitidis capitata* Wied. from Central America. Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:197-202. Ref. 1964, pub. 1965. 173 At7Pi
- 58612 KOKOVIC, S. N. Determination of the spraying period for controlling the codling moth (*Laspeyresia pomonella* L.) in the area around Krusevac during 1965. (Se) Biljna Zastita 9(11/12): 230-232. Nov./Dec. 1965. 464.8 B49
Apples.
- 58613 LAVABRE, E. M. Integrated control in tropical entomology. (Fr) Cafe, Cacao, The 9(4): 283-284. Oct./Dec. 1965. 68.8 C112
Coffee and cacao.
- 58614 LOWER, H. F. Carob moth—a possible pest in commercial orchards. S. Australia J. Agr. 69(7):260-261. Feb. 1966. 23 So84
Ectomyelois ceratoniae.
- 58615 MAMPE, C. D. Biology of the plum curculio (*Conotrachelus nenuphar* (Herbst)) on blueberry in North Carolina. Diss. Abs. 26(8): 4903-4904. Feb. 1966. 241.8 M58
- 58616 MARTELLI, G. M. Recent observations on olive fly and moth. (It) Olearia 19(7/8):139-144. July/Aug. 1965. 307.8 OL2
Dacus oleae and *Prays oleellus*.
- 58617 MARTINO, E. DI. Animal parasites. (It) Agricoltura 14(6):54-73. June 1965. 16 Ag8226
Control, chiefly of insects and mites, in citrus.

- 58618 MARTINO, E. DI. Antiparasitical products in control of phytophagous insects. (It) *Agricoltura* 14(6):73-79. June 1965. 16 Ag8226
On citrus.
- 58619 MATHYS, G., GUIGNARD, E., and STAHL, J. Identification of scale insects of the genus *Quadraspidiotus* important in fruit tree culture (*Quadraspidiotus perniciosus*, *Q. ostreaefomis*, *Q. piri*, *Q. marani*, and *Q. lenticularis*). (Fr) *Agr. Romande (ser.A.)* 4(9):65-68. Sept. 1965. 17 Ag8
- 58620 MIYASHITA, K., IKEUCHI, S., and KAWAMURA, E. Studies on the seasonal prevalence of the peach fruit moth, *Carposina niponensis* Walsingham, and chemical control experiments. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Rep.* 68,92 p. Ref. Mar.1965. 107.6 H68N
English summary.
- 58621 MORRIS, D. S. The light brown apple moth [*Epiphyas postvittana*]. *J. Agr. [Melbourne]* 64(1):23-26,31. Jan.1966. 23 V66J
Chemical and biological control.
- 58622 NADEL, D. J., and PELEG, B. A. The attraction of fed and starved males and females of the Mediterranean fruitfly, *Ceratitidis capitata* Wied., to "Trimedlure." *Israel J. Agr. Res.* 15(2):83-86. Apr.1965. 107 J552
- 58623 NICKEL, J. L., and WONG, T. T. Y. European red mite control on apples in California. *J. Econ. Entomol.* 59(1):217-219. Feb.1966. 421 J822
Chemical control of *Panonychus ulmi*.
- 58624 NONVEILLER, G. How to protect banana trees from weevil [*Cosmopolites sordidus*] attacks. (Fr) *Cameroun Agr. Past. Forest.* 87:32-43. Ref. May 1965. 24 C353
- 58625 OATMAN, E. R., LEGNER, E. F., and BROOKS, R. F. An ecological study of arthropod populations on apple in northeastern Wisconsin: species affecting the fruit. *J. Econ. Entomol.* 59(1):165-168. Feb.1966. 421 J822
- 58626 ORTEGA C., A., RODRIGUEZ V., J., and GARIBAY V., C. Preliminary investigations on the coconut fruit eriophyid, *Aceria guerreronis*, on the Costa Grande of Guerrero. (Sp) *Agr. Tec. Mex.* 2(5):222-226. July 1965. 8 Ag839
- 58627 PICKETT, A. D., and PATTERSON, N. A. Further progress on apple maggot investigations. *Nova Scotia Fruit Growers' Ass. Annu. Rep.* 101:59-63. 1964. 82 N85
Includes chemical control of *Rhagoletis pomonella*.
- 58628 PROKOF'EV, M. Use of plant extracts and decoctions. (Rus) *Zashch. Rast. Vred. Boleznei* 3:38. 1965. 421 Z1
As insecticides for fruit pests.
- 58629 PROKOF'EV, M., and PARCHAİKINA, N. Forecasting of codling moth. (Rus) *Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka* 7:46. July 1965. 281.8 Se44
Carpocapsa pomonella on apples.
- 58630 PROVERBS, M. D., NEWTON, J. R., and LOGAN, D. M. Orchard assessment of the sterile male technique for control of the codling moth, *Carpocapsa pomonella* (L.) (Lepidoptera: Olethreutidae). *Can. Entomol.* 98(1):90-95. Jan.1966. 421 C16
- 58631 ORPHANDIS, P. S., PATSAKOS, P. G., and KALMOUKOS, P. E. Preliminary report on an experiment on chemosterilization of adults of *Dacus oleae* Gmel. in the field. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:120-121. 1965. 464.9 In834
- 58632 RUBIN, A. *Contarinia citri* Barnes—a pest of citrus new to Israel. *Israel J. Agr. Res.* 15(2):103-104. Apr.1965. 107 J552
- 58633 RUSSO, G. How to defend the olive from injurious insects. (It) *Agr. Italia* 11(5):17-33. May 1965. 16 Ag8232
- 58634 RUSSO, G. Protection of olives from harmful insects. (It) *Prog. Agr. [Bologna]* 11(6):625-636. June 1965. 58.8 P94
- 58635 RYABOV, S. Raspberry stem maggot. (Rus) *Zashch. Rast. Vred. Boleznei* 3:37. 1965. 421 Z1
Hylemya dentiens; control with hexachlorane.
- 58636 SARDO, S. The use of fumigation in the control of scale insects. (It) *Agricoltura* 14(6):85-92. June 1965. 16 Ag8226
On citrus, with hydrocyanic acid.
- 58637 SCHAEFERS, G. A. Control tests against the two-spotted spider mite, *Tetranychus telarius* (L.), on strawberries. *J. Econ. Entomol.* 58(6):1089-1094. Ref. Dec.1965. 421 J822
With various insecticides.
- 58638 SCHWARZ, R. E. Aphid-borne virus disease of citrus and their vectors in South Africa. A. Investigations into the epidemiology of aphid transmissible virus diseases of citrus by means of trap plants. *So. Afr. J. Agr. Sci.* 8(3):839-851. Ref. Sept.1965. 24 Su3
Toxoptera citricidus and *Aphis gossypii*, as vectors, chiefly, of tristeza.
- 58639 SHAW, J. G., and others. Mexican fruit fly [*Anastrepha ludens*] control. *Calif. Citrogr.* 51(5):209-214. Mar.1966. 80 C125
W. P. Patton, M. Sanchez-Riviello, L. M. Spishakoff, and B. C. Reed, joint authors.
Chiefly with chemosterilants.
- 58640 SUNKIST GROWERS, PEST CONTROL BUR. Citrus pest control treatments for California-Arizona desert areas. *Calif. Citrogr.* 51(5):176. Mar.1966. 80 C125
Chiefly insects.
- 58641 SUNKIST GROWERS, PEST CONTROL DEPT. Citrus pest control treatments for central California. *Calif. Citrogr.* 51(6):249-253. Apr. 1966. 80 C125
Insects; their chemical control.
- 58642 TAYLOR, J. S. The fruit-piercing moth, *Achaea lienardi* Boisduval (Lepidoptera: Noctuidae), in the Eastern Cape Province. *Entomol. Soc. Southern Afr. J.* 28(1):50-56. Nov.1965. 420 En86
Includes control measures.
- 58643 TRAMMEL, K. Properties of petroleum oils in relation to performance as citrus tree sprays in Florida. *Diss. Abs.* 26(3):1257. Sept.1965. 241.8 M58
In control of citrus red mite, *Panonychus citri* and Florida red scale *Chrysomphalus aonidum*.
- 58644 TRIPOLI, I. DA. Insect control cost data in the general economy of orchards in the Ferrara Province in 1964. (It) *Macch. Motori Agr.* 24(2):101-107. Feb.1966. 58.8 M13
Includes equipment.
- 58645 TSAO, P. W., SCHNEIDER, H., and KALOOSTIAN, G. H. A brown leaf-vein symptom associated with greenhouse-grown pear plants infected with pear decline virus. *Plant Dis. Rep.* 50(4):270-274. Apr.1966. 1.9 P69P
Psylla pyricola as vector in California.
- 58646 TSYGANKOV, S. K. Brown fruit mite and currant bud mite in orchards. (Rus) *Kurskii Sel'skokhozyaistvennyi Institut. Nauchnye Trudy* 3(2):72-89. 1965. (Not in NAL)
Bryobia redikorzedi and *Cecidophyes ribis*.
Cited in *Ref. Zh. Biol.* 20(sect.E):12. Oct. 1965. 241.7 R25
- 58647 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA, SCIENTIFIC DEPT. TEA RESEARCH STATION. Mites of tea in southern India. *Planters' Chron.* 60(24):487-491. Dec.15,1965. 22 P693
Chiefly chemical control.
- 58648 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA, SCIENTIFIC DEPT. TEA RESEARCH STATION. Note on thrips. *Planters' Chron.* 60(24):486. Dec.15,1965. 22 P693
Chemical control of *Scirtothrips bispinosus* and *Heliothrips haemorrhoidalis* on tea in India.
- 58649 VAYSSIÈRE, P. Palm tree insects in South-America. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:105. 1965. 464.9 In834
Chemical control of *Strategus jugurtha* and *S. aloeus* on coconut and oilpalms.

- 58650 VITTAL, S. M., and SAROJA, R. Insecticidal control of surulpoochi (*Stomopteryx subseivella* Zell) on groundnut. Madras Agr. J. 52(6): 275-279. June 1965. 22 M262
- 58651 WILDBOLZ, T. On the importance of temperature constants and other weather data in forecasting outbreaks of the codling moth [*Carpocapsa pomonella*]. (Ge) Schweiz. Z. Obst-Weinbau 101(23):572-579. Ref. Nov.13,1965. 80 Sch9
English summary.
- 58652 ZAMPIERI, E. The poly-equal use of the sprinkler system at slow rain in viticulture, with particular regard to the pest control. (It) Irrigazione 12(4):44-56. 1966. 55.8 Ir733
English summary.

Pests of Ornamentals, Greenhouses, and Nurseries

- 58653 AMOS, J. M. Insecticide recommendations: insects of deciduous trees and shrubs. Va. Polytech. Inst. Ext. Circ. 987,4 p. Jan.1966. 275.29 V81C
- 58654 AMOS, J. M. Insecticide recommendations: insects of evergreen trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 210,2 p. Jan.1966. 275.29 V81L
- 58655 AMOS, J. M. Insecticide recommendations: insects of herbaceous annuals and perennials. Va. Polytech. Inst. Ext. Leaflet. 211,2 p. Jan. 1966. 275.29 V81L
- 58656 AMOS, J. M. Insecticide recommendations: insect pests of turfgrasses. Va. Polytech. Inst. Ext. Leaflet. 212,2 p. Jan.1966. 275.29 V81L
- 58657 COLEMAN, V. R. Control of some common pests of ornamental plants. Ga. Univ. Ext. Leaflet. 46,8 p.-folder. Jan.1966. 275.29 G29L
Chemical control.
- 58658 GEUTHER, R. O. How to select the right sprayer or duster for your roses. Amer. Rose Annu. 51:78,83-86. 1966. 81 Am31A
Types of pest control equipment, for insects.
- 58659 GYRISCO, G. G. Pests. Amer. Hort. Mag. 45 (1):112-117. Jan.1966. 80 N216
Chiefly insect and nematode pests of Narcissus; includes chemical control.
- 58660 JACKLIN, S. W., and SMITH, F. F. A technique for testing acaricide residues against two-spotted spider mites [*Tetranychus telarius*] on field-grown roses. J. Econ. Entomol. 59 (1):244. Feb.1966. 421 J822
- 58661 KNOWLTON, G. F. Control shrub insects and mites. Utah. State Univ. Ext. Entomol. Mimeo Ser. 79,2 p. Jan.1966. 275.29 Ut1En
Chemical control.
- 58662 KNOWLTON, G. F. Spider mite control on ornamentals. Utah. State Univ. Ext. Entomol. Mimeo Ser. 77,2 p. Jan.1966. 275.29 Ut1En
Chemical control of Tetranychidae.
- 58663 PASS, B. C. Control of the sod webworms *Crambus teterrellus*, *C. trisectus*, and *C. mutabilis*, in Kentucky. J. Econ. Entomol. 59(1): 19-21. Feb.1966. 421 J822
Chemical.
- 58664 PAUL, M. A. M. Insect pests of orchids and their control. (Du) Orchideen (n.s.)28(2):38-42. Apr.1966. 80 Or182
- 58665 SMITH, J. C. A laboratory and greenhouse evaluation of *Typhlodromus fallacis* (Gar.) as a predator of *Tetranychus* spp. Diss. Abs. 26 (8):4909. Feb.1966. 241.8 M58
For possible biological control.
- 58666 VASVARY, L. M. Chinch bugs [*Blissus leucopertus hirtus*]. Rutgers State Univ. Ext. Leaflet. 319-A,2 p. Mar.1966. 275.29 N46L
Chemical control on lawns.
- 58667 WATTS, J. G. The frit fly, a problem of our golf greens. Agrichem. West 9(3):11,30. Mar. 1966. 381 Ag85
Oscinella frit as a pest.

Pests of Stored Products and Processed Commodities

- 58668 AHLWEDE, G. Grain care in storage through pest control and cell ventilation. (Ge) Mulle-rei 18(28):429-431. July 10,1965. 298.8 M91
- 58669 BAILEY, S. W. The adsorption of atmospheric oxygen by wheat. J. Stored Prod. Res. 1(2): 197-199. Nov.1965. 421 J829
Its effects on insect pests.
- 58670 BAILEY, S. W., and MCCABE, J. B. The detection of immature stages of insects [*Sitophilus granarius*] within grains of wheat. J. Stored Prod. Res. 1(2):201-202. Nov.1965. 421 J829
Includes equipment.
- 58671 BILLS, G. T. The occurrence of *Periplaneta brunnea* (Burm.) (Dictyoptera, Blattidae) in an international airport in Britain. J. Stored Prod. Res. 1(2):203-204. Nov.1965. 421 J829
- 58672 BOROVKOV, E. A., and YARMATOV, T. I. Disinfection of agricultural products. (Rus) Sel'skoe Khoz. Tadzh. 10:44-45. Oct.1965. 20 Se494
Methyl bromide as fumigant in the insect control.
- 58673 CHAMP, B. R., and SMITHERS, C. N. Insects and mites associated with stored products in Queensland. 1. Psocoptera. Queensland J. Agr. Anim. Sci. 22(3):259-262. Sept.1965. 23 Q37
Chiefly grain and peanuts.
- 58674 DIAS, F. M. L. A. A new pest in stored grains. (Por) Granja [Lisboa] 24(3/4):155-157. July/Dec.1965. 15.5 G76
Rhizopertha dominica.
- 58675 DYTE, C. E., ELLIS, V. J., and LLOYD, C. J. Studies on the contrasting susceptibilities of the larvae of two hide beetles (*Dermestes* spp.; Coleoptera, Dermestidae) to malathion. J. Stored Prod. Res. 1(3):223-234. Ref. Feb. 1966. 421 J829
Dermestes maculatus and *D. lardarius*.
- 58676 DYTE, C. E. Studies on insect infestations in the machinery of three English flour mills in relation to seasonal temperature changes. J. Stored Prod. Res. 1(2):129-144. Ref. Nov. 1965. 421 J829
- 58677 FLYNN, A. D., and SCHOOFF, H. F. A simulated-field method of testing residual insecticide deposits against cockroaches. J. Econ. Entomol. 59(1):110-113. Feb.1966. 421 J822
- 58678 GARTHE, W. A. The choosy appetite of the furniture carpet beetle. Pest Contr. 34(4):29-30. Apr.1966. 449.8 Ex8
Anthrenus flavipes.
- 58679 GETZENDANER, C. W. The European earwig [*Forficula auricularia*]; how to control it around the home. U. S. D. A. Home Gard. Bull. 75,rev.,8 p.-folder. Mar.1966. 1 Ag84Hg
Chemical control.
- 58690 GILES, P. H. Control of insects infesting stored sorghum in Northern Nigeria. J. Stored Prod. Res. 1(2):145-158. Nov.1965. 421 J829
Lindane recommended.
- 58681 GREEN, A. A., and TYLER, P. S. A field comparison of malathion, dichlorvos and fenitrothion for the control of *Oryzaephilus surinamensis* (L.) (Coleoptera, Silvanidae) infesting stored barley. J. Stored Prod. Res. 1(3):273-285. Ref. Feb.1966. 421 J829
- 58682 HORLER, D. F. Determination of fenitrothion on stored barley. J. Stored Prod. Res. 1(3): 287-290. Feb.1966. 421 J829
- 58683 HOWE, R. W. A summary of estimates of optimal and minimal conditions for population increase of some stored products insects. J. Stored Prod. Res. 1(2):177-184. Ref. Nov. 1965. 421 J829
Temperature and humidity effects on 43 beetles, 9 moths, and one mite.

- 58684 HURLOCK, E. T. Some observations on the loss in weight caused by *Sitophilus granarius* (L.) (Coleoptera, Curculionidae) to wheat under constant experimental conditions. J. Stored Prod. Res. 1(2):193-195. Nov. 1965. 421 J829
- 58685 KIRITANI, K. Biological studies on the *Sitophilus* complex (Coleoptera: Curculionidae) in Japan. J. Stored Prod. Res. 1(2):169-176. Ref. Nov. 1965. 421 J829
Sitophilus zeamais and *S. oryzae*, most serious pests of stored crops in Japan.
- 58686 KLEIN, J. Some problems of grain pest control. (Hu) Malomipar Termenyforgalom 12 (2):58-61. Feb. 1965. 298.8 M292
 Various control methods against grain storage pest with methyl bromide fumigation and with malathion.
- 58687 KOSOLAPOVA, G. YA. On the outside breeding places of pests of grain and grain products. (Rus) Vest. Sel'skokhoz. Nauki [Alma-Ata] 11: 82-87. 1964. 20 Ak16
 Abstracted in Ref. Zh. Biol. 20(sect.E):20. Oct. 1965. 241.7 R25
- 58688 LEMON, R. W. Laboratory evaluation of some organophosphorus insecticides against *Tribolium confusum* Duv. and *T. castaneum* (Hbst.) (Coleoptera, Tenebrionidae). J. Stored Prod. Res. 1(3):247-253. Ref. Feb. 1966. 421 J829
- 58689 LLOYD, C. J., and DYTE, C. E. The susceptibility of larvae of *Dermestes* L. (Coleoptera, Dermestidae) to some contact insecticides. J. Stored Prod. Res. 1(2):159-167. Ref. 421 J829
Dermestes maculatus and *D. lardarius*.
- 58690 MAJUMDER, S. K., KRISHNAMURTHY, K., and KUMARI, M. K. K. Processed clays as insecticidal substances for pest control. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:285-292. Ref. 1962, pub. 1965. TP368.15
 In stored food.
- 58691 MCGREGOR, H. E., and DAVIDSON, L. I. Phosphine fumigation of processed commodities. Northwest. Miller 273(5):11-12. May 1966. 298.8 N81
 Food pest control.
- 58692 MONRO, H. A. U., DUMAS, T., and BUCKLAND, C. T. The influence of vapour pressure of different fumigants on the mortality of two stored product insects in vacuum fumigation. J. Stored Prod. Res. 1(3):207-222. Ref. Feb. 1966. 421 J829
Tenebroides mauritanicus and *Tribolium confusum*.
- 58693 MORFORD, M. How we controlled tobacco tuberworm in a chip factory. Pest Contr. 34 (4):24, 26, 62. Apr. 1966. 449.8 Ex8
 Control of *Gnorimoschema operculella*.
- 58694 MUSGRAVE, A. J., MONRO, H. A. U., and UPITIS, E. Apparent elimination of symbiotes in successive generations of *Sitophilus [granarius]* (Coleoptera) fumigated with methyl bromide. J. Invertebrate Pathol. 7(4):506-511. Ref. Dec. 1965. 421 J826
- 58695 MUTTRIE, M. P. Mites in farm-stored grain. Scot. Agr. 45(1):30-32. Winter 1965/66. 10 Sco82So
- 58696 NELSON, S. O., STETSON, L. E., and RHINE, J. J. Factors influencing effectiveness of radiofrequency electric fields for stored-grain insect control. Amer. Soc. Agr. Eng. Pap. 335, 24 p. 1965. 290.9 Am32P
- 58697 RAMIREZ GENEL, M. Evaluation of damage to stored wheat and corn caused by insects. (Sp) Agr. Tec. Mex. 2(5):228-231. July 1965. 8 Ag839
- 58698 RAWNSLEY, J. The post-harvest preservation of maize and beans. Ghana Farmer 9(1):38-39. Feb. 1965. 24 G564
 Ethylene dibromide for storage pest control.
- 58699 ROTH, H., and RICHARDSON, H. H. Tolerance of some imported vegetables to methyl bromide fumigation and hot water treatments. J. Econ. Entomol. 58(6):1086-1089. Ref. Dec. 1965. 421 J822
- 58700 ROWELL, J. O. 1966 insecticide recommendations: household insect pests. Va. Polytech. Inst. Ext. Circ. 993, 8 p. Jan. 1966. 275.29 V81C
- 58701 ROWELL, J. O. 1966 insecticide recommendations: household insect pests. Va. Polytech. Inst. Ext. Leaflet. 216, 2 p. Jan. 1965. 275.29 V81L
 Clothes moths and carpet beetles.
- 58702 ROWELL, J. O. 1966 insecticide recommendations: insect pests of farm-stored grains. Va. Polytech. Inst. Ext. Circ. 992, 4 p. Jan. 1966. 275.29 V81C
- 58703 SHAPORENKO, P. Regional treatments are effective. (Rus) Zashch. Rast. Vred. Boleznei 3:15. 1965. 421 Z1
 Treatment of pea seeds with DDT for control of *Bruchus pisorum*.
- 58704 TARSHIS, I. B. Cockroach-proof containers for dry animal feeds. Lab. Anim. Care 15(3): 206-207. June 1965. 410.9 P94
- 58705 U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Silverfish [*Lepisma saccharina*] and firebrats [*Thermobia domestica*]; how to control them. U. S. D. A. Leaflet. 412, rev., 6 p.-folder. Jan. 1966. 1 Ag84L
 Chemical control.
- 58706 WATTERS, F. L. Protection of packaged food from insect infestation by the use of silica gel. J. Econ. Entomol. 59(1):146-149. Feb. 1966. 421 J822
Tribolium confusum
- 58707 WHITING, R. W., and BARTLETT, P. G. For control of cockroaches; fogging much more effective than residual sprays. Food Process./Marketing [Chicago] 27(4):112-114. Apr. 1966. 389.8 F7325
 Methods of spraying insecticides.

Pests of Trees and Wood Products

- 58708 ANDERSON, R. F. The growing insect menace. Forest Farmer Manual 25(7):74-75. Mar. 1966. 99.551 F76
 Of forests in the South.
- 58709 ÅRRU, G. M. A Tenthredinidae leaf miner damaging poplars: *Heterarthrus* (=Phyllotoma) ochropodus Klug. (It) Cell. Carta 16(11):8-10. Nov. 1965. 302.9 En8
 English summary.
- 58710 BALINT, G. Investigations of the increased appearance of the powder-post beetle *Lyctus linearis* Goeze in Hungary. 5 p. Ref. Transl. 15198
 Causing damage in oak flooring.
 Translation from *Holzforschung und Holzverwertung* 16(3):49-51. 1964.
- 58711 BAMBER, R. K., and ERSKINE, R. B. Relationship of vessel diameter to *Lyctus* susceptibility in some New South Wales hardwoods. New S. Wales. Forest. Comm. Div. Forest Manage. Res. Note 15, 18 p. Ref. Apr. 1965. 99.9 N474
Lyctus brunneus.
- 58712 BARRAS, S. J. The bionomics of *Eucosma monitorana* Heinrich (Lepidoptera: Tortricidae) in relation to damage of red pine (*Pinus resinosa* Aiton) cones. Diss. Abs. 26(9):5601-5602. Mar. 1966. 241.8 M58
- 58713 BATZER, H. O. Damage by the spruce budworm (*Choristoneura fumiferana* (Clemens)) in northeastern Minnesota as affected by stand conditions and forest management practices. Diss. Abs. 26(9):4931-4932. Mar. 1966. 241.8 M58

- 58714 BAYNTON, H. W. The penetration and diffusion of a fine aerosol in a tropical rain forest. Diss. Abs. 26(3):1709-1710. Sept.1965. 241.8 M58
Colombia.
- 58715 BEJER-PETERSEN, B. Otiorrhynchus singularis L., distribution of an attack on fir grafts. (Da) Dansk Skovfor. Tidssr. 50(9):374-378. Sept.1965. 99.8 D23
English summary.
Abies alba and A. nordmanniana.
- 58716 BIRD, F. T. The development of a cytoplasmic polyhedrosis virus in the spruce budworm, Choristoneura fumiferana Clemens. Can. J. Microbiol. 12(2):337-340. Apr.1966. 448.8 C162
- 58717 BRAMMANIS, L. Outbreak of the pine bark bug Aradus cinnamomeus Panz. in Sweden. (Ge) Z. Angew. Entomol. 56(3):255-262. Ref. Oct.1965. 421 Z36
- 58718 BUCKNER, C. H., and TURNOCK, W. J. Avian predation on the larch sawfly, Pristiphora erichsonii (Htg.), (Hymenoptera: Tenthredinidae). Ecology 46(3):223-236. Ref. Spring 1965. 410 Ec7
Defoliator of Larix laricina.
- 58719 CHAPMAN, J. A. The effect of attack by the ambrosia beetle Trypodendron lineatum (Olivier) on log attractiveness. Can. Entomol. 98(1):50-59. Ref. Jan.1966. 421 C16
Secondary attractiveness to scolytids.
- 58720 CHARARAS, C., KARAGOZ, O., and SEKEN-DIZ, O. Primary and secondary behavior of Melanophila picta Pallas (Coleoptera, Buprestidae, Xylophaga) and the attractiveness of the host plant. (Fr) Acad. Sci. Compt. Rend. 261(22):4841-4844. Nov.29,1965. 505 P21
Populus host plant.
- 58721 COLEMAN, V. R. A bioassay technique to determine amount of termite control insecticide in soils. Pest Contr. 34(1):32,34,36,38. Jan. 1966. 449.8 Ex8
Using Drosophila melanogaster.
- 58722 COSTER, J. E. Operation bug bare. Our Publ. Lands 15(4):16-17. Spring 1966. 156.55 Ou7
Chemical control of Dendroctonus ponderosae.
- 58723 EBEL, B. H., MERKEL, E. P., and KOWAL, R. J. Key to forest tree insects of the South. Forest Farmer Manual 25(7):80-84. Mar.1966. 99.551 F76
- 58724 ENDA, N. Studies on insects injurious to the salicaceous trees in Japan. (Ja) Jap. Forest Exp. Sta. Bull. 182:1-41. Oct.1965. 99.8 R47
English summary.
- 58725 FARMER, L. J. The phloem-yeast complex during infestations of the mountain pine beetle [Dendroctonus ponderosae] in lodgepole pine. Diss. Abs. 26(3):1304-1305. Sept.1965. 241.8 M58
With reference to biological control.
- 58726 GARA, R. I. What we have learned from new research on the southern pine beetle. Forest Farmer 25(6):6-7,18-19. Mar.1966. 99.8 F7692
Includes control of Dendroctonus frontalis with BHC, lindane, and trap trees.
- 58727 GARYFALOS, I., and TSITZONES, K. Appearance of the poplar aphid "Phloeomyzus passerinii, Signoret, in poplar plantations of North Greece. (Gre) Dassika Chron. 7(10):420-428. Oct.1965. 99.8 D263
- 58728 HANSON, J. B., NORRIS, D. M., and BENJAMIN, D. M. Studies of three systemic insecticides for control of the sugar maple cambium miner. Forest. Res. Notes 125,2 p. June 1965. 99.8 F76292
Bidrin, Metasystox-R and Bidrin plus Estab in Phytobia setosa control.
- 58729 HEDLIN, A. F. Prevention of insect-caused seed loss in Douglas-fir with systemic insecticides. Forest. Chron. 42(1):76-82. Ref. Mar. 1966. 99.8 F7623
- 58730 HENZE, O. Results of 30 years of settling of birds in a nun moth [Lymantria monacha] infested spruce district. (Ge) Allg. Forstz. 21(9):160-162. Feb.26,1966. 99.8 AL52
Biological control aspects.
- 58731 HIMEL, C. M., and others. A new method for spray deposit assessment. U. S. Forest Serv. Res. Note PSW-87,10 p. 1965. A99.9 F7652
L. Vaughn, R. P. Miskus, and A. D. Moore, joint authors.
Insect control.
- 58732 INOUE, M. Gall midges (Itonididae) attacking coniferous trees. III. Jap. Forest. Soc. J. 48(1):20-24. Jan.1966. 99.8 N62
Dasynura nipponica n. sp. as pest of Larix leptolepis.
- 58733 INSECTS attacking forest trees in the south. Forest Farmer Manual 25(7):76-79. Mar.1966. 99.551 F76
Pine and hardwoods.
- 58734 KEARBY, W. H. The bionomics of the pine root weevil Hylobius rhizophagus Millers and the weevil complex associated with plantation deterioration. Diss. Abs. 26(9):4978-4979. Mar.1966. 241.8 M58
- 58735 KHVATOVA, L. P. Short physiological study of healthy and insect-injured European ash. (Rus) Voronezhsk. Lesotekhn. In-t. Sb. Aspirantsk. Rabot 1:39-48. 1965. (Not in Libr.)
Zeuzera pyrina and Hylesinus fraxini.
Abstracted in Ref. Zh. Biol. 21(sect.G):11. Nov.1965. 241.7 R25
- 58736 KICKELL, W. P. New helicopter spray technique. Cranbrook Inst. Sci. News Lett. 35(7):92-93. Mar.1966. 410.9 C85N
Application of DDT against beetles.
- 58737 KLEIN, A. Studies toward a knowledge of the insects of specific sites in the Bruchberg (Upper Harz). II. (Ge) Z. Angew. Entomol. 56(3):193-238. Ref. Oct.1965. 421 Z36
Dead and windfallen trees in spruce forests and moors.
- 58738 KOEHLER, C. S., KATTOULAS, M. E., and CAMPBELL, R. L. Timing of treatments for control of the irregular pine scale [Toumeyella pinicola Ferris]. J. Econ. Entomol. 58(6):1102-1105. Dec.1965. 421 J822
Insecticidal.
- 58739 KUDLER, J., LYSENKO, O., and HOCHMUT, R. Outline of further results concerning the biological control of tortricids in oak stands by means of bacteria. Commun. Inst. Forest. Cech. 4:219-226. 1965. 99.9 P884
- 58740 KUHN, H. R. Sevin insecticide provides outstanding results against Diprion certifer on forest trees in Sweden. Union Carb. Agr. Chem. Dig. 4(2):6. 1962. 381 Un3
- 58741 MAAVARA, V. Useful forest ants and their use. (Es) Eesti Loodus 5:273-278. Ref. Sept./Oct.1965. 409.6 Ee7
Includes control of needle and leaf pests.
- 58742 MAZEPA, I. I. Study of moths, pests of forests in valley of the middle reaches of the River Dniepr. (Uk) Kief. Un-t. Visnyk. Ser. Biol. 6:147-150. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 20(sect.E):14. Oct.1965. 241.7 R25
- 58743 MCLEAN, H. E. Twenty days in June, the cautious war. Amer. Forests 72(3):28-30,49-50. Mar.1966. 99.8 F762
Tussock moths (Lymantriidae) forest pest control in Oregon.
- 58744 MERKEL, E. P., and YANDLE, D. O. Mist blower applications of insecticides for cone insect control on slash pine [Pinus elliotii]. U. S. Forest Serv. Res. Note SE-52,4 p. Nov. 1965. A99.9 F7623Un
Control of Dioryctria and Laspeyresia anaranjada, with BHC and Guthion in Florida.
- 58745 MIRZOYAN, S. A. Poplar insect pests and methods of their control. (Rus) Les. Khoz. 11:51-55. Nov.1965. 99.8 L5622

- 58746 MORAVOV, A. A. Life in the forest. (Rus). In Itogi eksperim. rabot v Lesn. opyt. dache TSKHA za 1862-1962 g. 1964:495-506. (Not in NAL)
Includes insects as pests.
Abstracted in Ref. Zh. Biol. 21(sect.D):4. Nov.1965. 241.7 R25
- 58747 MUNRO, J. A. Occurrence of *Psylla uncatoides* on *Acacia* and *Albizia*, with notes on control. J. Econ. Entomol. 58(6):1171-1172. Dec.1965. 421 J822
Chemical control.
- 58748 NEISWANDER, R. B. Insect and mite pests of trees and shrubs. Ohio Agr. Res. Develop. Center. Res. Bull. 983,54 p. Ref. Mar.1966. 100 Oh3S
- 58749 NEW STANDARDS released this month by FHA [Federal Housing Administration] for use of termite soil poisons near independent water systems. Pest Contr. 34(4):48,50,52. Apr. 1966. 449.8 Ex8
- 58750 NITTO, M., and SAITO, A. The relation between the scattered rot and the ant in the sugi-tree. (Ja) Jap. Forest. Soc. J. 47(11):411-413. Nov.1965. 99.8 N62
Cryptomeria japonica.
- 58751 PETZALL, L. Economic poisons in forestry. (Sw) Lantmannen 76(20):15-17. Oct.2,1965. 11 L234
Chiefly brush eradication and pest control.
- 58752 RICHMOND, H. A. Ambrosia beetles a problem to logger and mill owner. Truck Logger 22(3):20-21,24. Mar.1966. 99.81 T76
Control with BHC.
- 58753 ROHFRIETSCH, O., and MEYER, J. Determinant action of gallicolae on the dehiscence of galls of *Adelges abietis* Kalt. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):248-250. Jan.10, 1966. 505 P21
Picea excelsa host plant.
- 58754 ROLLINSON, W. D., LEWIS, F. B., and WALTERS, W. E. The successful use of a nuclear-polyhedrosis virus against the gypsy moth [*Porthetria dispar*]. J. Invertebrate Pathol. 7(4):515-517. Dec.1965. 421 J826
In a mixed oak woodland in Connecticut.
- 58755 RUDINSKY, J. A. Host selection and invasion by the Douglas-fir beetle, *Dendroctonus pseudotsugae* Hopkins, in coastal Douglas-fir forests. Can. Entomol. 98(1):98-111. Ref. Jan. 1966. 421 C16
- 58756 SANTAMOUR, F. S. Insect-induced crystallization of white pine [*Pinus strobus*] resins. I. White-pine weevil [*Pissodes strobi*]. U. S. Forest Serv. Res. Note NE-38,8 p. 1965. A99.9 F7622U
Studies of host plant resistance; oleoresins.
- 58757 SANTAMOUR, F. S. Insect-induced crystallization of white pine [*Pinus strobus*] resins. II. White pine cone beetle [*Conophthorus coniperda*]. U. S. Forest Serv. Res. Note NE-39,5 p. 1965. A99.9 F7622U
Studies of host plant relations; oleoresins.
- 58758 SCHEDL, W. Occurrences of *Serropalpus barbatus* Schall. (Coleoptera Serropalpidae) in Austria. (Ge) Forstl. Bundesversuchsanst. Wien. Inform. 99,2 p. Ref. In Allg. Forstzeitung 77(2). Feb.1966. 99.8 AL53
Coniferae wood pest.
- 58759 SCHIMITSCHEK, E. Causes for infestation readiness for larch needle-pests in their natural dispersal region. (Ge) Centralbl. Gesamte Forstwesen 83(1):1-23, map. Ref. Mar.1966. 99.8 C33
English summary.
Coleophora laricella and *Semasia diniana*.
- 58760 SENGALOVICH, G. M. Insect pests of dry wood. (Bu) Priroda [Sofia] 13(6):89-93. Nov./Dec.1964. 410 P934
Biology.
- 58761 SENSKE, W. M. How we built our portable termite colony to boost sales. Pest Contr. 34(2):24. Feb.1966. 449.8 Ex8
- 58762 SHAPIRO, V. A., and KAMENKOVA, K. V. Possibility of combining chemical treatments by DDT with action of parasites to control the spring complex of injurious moths and butterflies in forest plantations. 13 p. Ref. Transl. 14476
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii. Trudy 8:99-113. 1957.
- 58763 SIDOR, C. Comparative studies of the susceptibility of larvae of *Thaumetopoea pityocampa* Schiff to a specific virus diseases and to viruses of some insect species. (Se) Sumarski List 89(9/10):381-390. Sept./Oct.1965. 99.8 Su6
English summary.
Tree pests.
- 58764 SLOAN, N. F. Biotic factors affecting populations of the larch casebearer, *Coleophora laricella* Hbn. in Wisconsin. Diss. Abs. 26(9):4922. Mar.1966. 241.8 M58
- 58765 SMITH, R. H. The monoterpene composition of *Pinus ponderosa* xylem resin and of *Dendroctonus brevicornis* pitch tubes. Forest Sci. 12(1):63-68. Mar.1966. 99.8 F7632
Factors in pest resistance of pines.
- 58766 SMYTHE, R. V., and COPPEL, H. C. The susceptibility of *Reticulitermes flavipes* (Kollar) and other termite species to an experimental preparation of *Bacillus thuringiensis* Berliner. J. Invertebrate Pathol. 7(4):423-426. Dec.1965. 421 J826
- 58767 SNYDER, T. E. Our native termites. Smithsonian Inst. Annu. Rep. 1964:497-506. Ref. 1965. 500 Sm6R
Damage they do and their control.
- 58768 SPINK, W. T., GROSS, H. R., and KIRST, L. D. Can water emulsions of chlorinated hydrocarbon insecticides control the wood-boring beetle *Xyletinus peltatus* (Harris) in structural timbers? Pest Contr. 34(2):12-13,15,44,46. Feb. 1966. 449.8 Ex8
- 58769 STILLWELL, M. A. Woodwasps (Siricidae) in conifers and the associated fungus, *Stereum chaillatii*, in eastern Canada. Forest Sci. 12(1):121-128. Ref. Mar.1966. 99.8 F7632
- 58770 SYMPOSIUM ON SYSTEMIC PESTICIDES IN WOODY PLANTS. [Papers]. Entomol. Soc. Amer. Bull. 11(3):187-203. Ref. Sept.1965. 423.9 En8
Presented at Entomological Society of America meeting, December 1964.
Introduction, by G. B. Riley; Uptake, by D. M. Norris; Translocation, by N. E. Johnson and J. H. Rediske; Metabolism, by D. A. Lindquist; Present and future application, by H. E. Thompson.
- 58771 SZENICZEY, T. Artificial settling of bird in *Quercus sessiflora* stands. (Hu) Erdo 15(3):118-126. Mar.1966. 99.8 Er22
German summary.
For biological control of insect pests.
- 58772 TALLOS, P. Importance of light traps in forest protection. (Hu) Erdo 15(3):134-136. Mar.1966. 99.8 Er22
German summary.
Insect pest control.
- 58773 TSANKOV, G. Aircraft and helicopters in the control of pine processionary caterpillar [*Thaumetopoea pityocampa*] in Bulgaria. (Bu) Gorsko Stopanstvo 21(1):34-36. Jan.1965. 99.8 G682
- 58774 TSANKOV, G. Dangerous insect pest of our pine forests. (Bu) Gorsko Stopanstvo 20(10):22-24. Oct.1964. 99.8 G682
- 58775 TSANKOV, G., FAKIROV, V., and RALCHEVA, E. Poplar leaf weevil [*Polydrosus corruscus*]. (Bu) Gorsko Stopanstvo 20(11):27-28. Nov. 1964. 99.8 G682
DDT and hexachlorane used for control.

- 58776 URBAN, S. Factors limiting the excessive multiplication of *Diprion pini* L. in the years 1960 and 1961. (Ge) Arch. Forstwesen 14 (11/12):1223-1234. Ref. 1965. 99.8 Ar22
English summary.
Biotic (egg parasitizing wasps) and abiotic (temperature, humidity and precipitation) factors.
- 58777 U. S. FOREST SERV. INTERMOUNTAIN REGION. Operation bugout, 1964; Salmon National Forest. Ogden, Utah, 1964. 8 p.-folder, map. aSB608.S8U5
Aerial spraying with DDT of spruce budworm, *Choristoneura fumiferana*, pest of Douglas-fir and true fir in Idaho.
- 58778 VUTOV, V., and ZAKHOV, S. Aircraft forest spraying for control of gypsy moth. (Bu) Gorsko Stopanstvo 20(12):24-28. Dec.1964. 99.8 G682
Porthetria dispar.
- 58779 WEAVER, J. E., and DORSEY, C. K. Preliminary observations concerning the use of systemic insecticides in large trees for control of the European elm scale. J. Econ. Entomol. 59 (1):241-242. Feb.1966. 421 J822
Phorate, disulfoton, and Bayer 25141 to control *Gossyparia spuria* on *Ulmus americana*.
- 58780 WHITTEN, R. R. Elm bark beetles. U. S. D. A. Leaflet. 185, slightly rev., 8 p. Jan.1966. 1 Ag84L
Smaller European elm bark beetle (*Scolytus multistriatus*) and native elm bark beetle (*Hylurgopinus rufipes*), which transmit fungus caused Dutch elm disease.
- 58781 WICKMAN, B. E. Insect-caused deterioration of windthrown timber in northern California, 1963-1964. U. S. Forest Serv. Res. Paper PSW-20, 14 p., map. 1965. A99.9 F7652P
- 58782 YAKOVLEV, B. P., and VOLKOVA, I. P. Injuries of pine seedlings caused by insect pests. (Rus) In Vozobnovlenie lesa na vyrubkakh i vyrashchivanie seyantsev v pitomnikakh 1964:165-168. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 56, Lesoved. Lesovod. 11:16. Nov.1965. Film S-203
- 58783 YAMADA, F., and KOYAMA, Y. Matsukareha no seitai to bojo. 2. Bojo hen [The ecology and control of *Dendrolimus spectabilis*. 2. Control]. Saikin No Ringyo Gigutsu 5, 55 p. Ref. Mar.1965. 99.8 Sa2
- 58784 ZASHEV, B. Pine weevil (*Hylobius abietis* L.) as dangerous pest of young spruce and Scotch pine trees. (Bu) Gorsko Stopanstvo 20(11):23-27. Nov.1964. 99.8 G682
Includes chemical control.
- 58785 ZLATANOV, S. Possibilities of control of some dendrophilous plant lice. (Bu) Gorsko Stopanstvo 20(12):28-33. Dec.1964. 99.8 G682
- Apiculture and Apis Mellifera
- 58786 ADAM, B. Some experiences with acarine disease. 2 p. Transl. 14396
Translation from Bienenwatter 83:79-81. Mar. 1962.
- 58787 ADLERZ, W. C. Honey bee visit numbers and watermelon pollination. J. Econ. Entomol. 59 (1):28-30. Feb.1966. 421 J822
- 58788 ALLEN, M. D. The effect of a plentiful supply of drone comb on colonies of honeybees. J. Apicult. Res. 4(2):109-119. Ref. 1965. 424.8 J82
- 58789 ALLEN, M. D. The production of queen cups and queen cells in relation to the general development of honeybee colonies, and its connection with swarming and supersedure. J. Apicult. Res. 4(3):121-141. Ref. 1965. 424.8 J82
- 58790 AMOS, J. M. Beekeeping in Virginia. Va. Polytech. Inst. Ext. Bull. 178, rev., 36 p. Aug. 1965. 275.29 V81B
- 58791 ANDERSON, B. N. The super system. Amer. Bee J. 106(1):6-7, 19. Jan.1966. 424.8 Am3
High speed equipment for uncapping and extracting honey invented by Arthur Harrison and engineered by Norman Fox, using special F-H supers.
- 58792 AREF'EV, E. V. Wintering mated queens in one-frame nuclei. 3 p. Transl. 14395
Translation from Pchelovodstvo 24(6):15-17. June 1947.
- 58793 ARTYKOV, A., and NABIEV, A. Neglected factor for increased cotton production. (Rus) Khlopkovodstvo 2:24-25. Feb.1966. 72.8 K522
Value of *Apis mellifera* as pollinators.
- 58794 BAILEY, L. The effect of *Acarapis woodi* on honeybees from North America. J. Apicult. Res. 4(2):105-108. 1965. 424.8 J82
Imported into Britain.
- 58795 BAILEY, L. The effect of erythromycin on *Streptococcus pluton* (White). J. Apicult. Res. 4(2):101-103. 1965. 424.8 J82
Causal organism of European foulbrood.
- 58796 BARTH, R. Bees' news can aid bee business. Gleanings Bee Cult. 94(3):142-143. Mar.1966. 424.8 G47
- 58797 BEE POLLINATION CONFERENCE, 7, COLLEGE STATION, TEXAS, 1965. Summation, by S. E. McGregor. Amer. Bee J. 106(1):8-9, 17. Jan.1966. 424.8 Am3
Sponsored by the American Beekeeping Federation and the Texas Agricultural and Mechanical University.
- 58798 BENTON, A. W. Bee venom, its collection, toxicity and proteins. Diss. Abs. 26(8):4139. Feb.1966. 241.8 M58
- 58799 BLAKE, H. A. Beekeeping in Egypt (Gaza Strip). Gleanings Bee Cult. 94(3):168-170, 180. Mar.1966. 424.8 G47
As the 250,000 Palestinian refugees in the Gaza Strip practice it.
- 58800 BOTHA, J. J. C. My experience with "*Apis mellifera adansonii*" native bee of South Africa. Gleanings Bee Cult. 94(3):167, 179. Mar.1966. 424.8 G47
- 58801 BOUSSENS, J. A. Observations on the sky-scraper hive with many queens. (Fr) Apiculteur 110(3):63-64. Mar.1966. 424.8 Ap3
Management based on R. P. Dugat's book "La Ruche gratte-ciel a plusieurs reines."
- 58802 BRAULA of honey bees. (Rus) Pchelovodstvo 2:29-32. Feb.1966. 424.8 P295
- 58803 BRETSCHKO, J. Bacterial septicemias in the light of new investigations. (Ge) Bienenwelt 8:1-2, 4-10. Jan.1966. 424.8 B4794
- 58804 BURGESS, H. D. Control of wax moth [*Galleria mellonella*] by *Bacillus thuringiensis*. Amer. Bee J. 106(2):48-50. Feb.1966. 424.8 Am3
- 58805 CAILLAS, A. A new formula for hydromel, hydromel-cinchona. (Fr) Gaz. Apic. 67(706):50-51. Mar.1966. 424.8 G25
- 58806 CAILLAS, A. Pollination, chief work of the bees. (Fr) Apiculteur 110(2):36-41. Feb.1966. 424.8 Ap3
- 58807 CHIRU, M. N. Intensive valorization of the harvest from the black locust (false acacia) in the area of Galatz, Rumania. (Fr) Apiculteur 110(2):46-49. Feb.1966. 424.8 Ap3
Honey production.
- 58808 CHOBAUT, H. Apiculture in the Comtat Venaissin. (Fr) Gaz. Apic. 67(705):32-35. (Cont.) Feb.1966. 424.8 G25
Sales of honey, bees, beeswax as reported in manuscripts in the archives of Vaucluse.
- 58809 CHOBAUT, H. Apiculture in the Comtat Venaissin through the ages; purchase and sale of honey and bees; regulations, statistics, contracts. (Fr) Gaz. Apic. 67(706):65-67. Mar. 1966. 424.8 G25
- 58810 CHUN, L. Beekeeping in China. (Fr) Rev. Franc. Apicult. 226:347. Nov.1965. 424.8 R329

- 58811 CHURCHMAN, D. Introducing with vanilla. *Gleanings Bee Cult.* 94(1):15. Jan.1966. 424.8 G47
- 58812 CHURCHMAN, D. L. Teaching school and keeping bees. *Gleanings Bee Cult.* 94(3):144-146,187. Mar.1966. 424.8 G47
Source of supplementary income in Kansas.
- 58813 DEREVICI, A., LESCINSKI, S., and POPESCO, A. Propolis. (Fr) *Gaz. Apic.* 67(705):38-42. Ref. Feb.1966. 424.8 G25
- 58814 DRABATY, I. Can bees be multiplied in winter? 6 p. Transl. 15839
Translation from *Archiv fur Bienenkunde* 12 (7/8):277-289. 1931.
- 58815 DUPRAW, E. J. The recognition and handling of honeybee specimens in non-Linnean taxonomy. *J. Apicult. Res.* 4(2):71-84. 1965. 424.8 J82
- 58816 ESCH, H. Registration of antennal movements of *Apis mellifera*. 4 p. Ref. Transl. 14379
Translation from *Archiv fur Bienenkunde* 38 (1):41-44. 1961.
- 58817 ESCH, H. Sound production in the recruiting dance of the honey bee. 6 p. Transl. 14377
Translation from *Zeitschrift fur Vergleichende Physiologie* 45:1-11. 1961.
- 58818 EVENIUS, J. Dr. Maurizio's services to practical beekeeping. (Ge) *Z. Bienenforsch.* 8(5):141-142. Jan.1966. 424.8 Z3
- 58819 FAHR, W., and MELZER, W. Apiculture and bee rearing in Germany. (Ge) *Tierzuchter* 18 (6):194-196,198. Mar.20,1966. 49 T445
Includes honey marketing and activity of the Deutscher Imkerbund.
- 58820 FALUBA, Z. Pollination by insect—a very important yield increasing factor. (Hu) *Magyar Mezőgazdaság* 21(8):10-11. Feb.23,1966. Honey bees, chiefly.
- 58821 FATEEVA, E. M., and ROCHAL, N. I. The utilization of royal jelly in the treatment of infants suffering from chronic disturbances due to inadequate nutrition. (Fr) *Rev. Franc. Apicult.* 229:53-55. Feb.1966. 424.8 R329
- 58822 FAVERO, A. When bees are present there is good alfalfa seed sowing. (It) *Esso Agr.* 15(1):28-29. Feb.1,1966. 58.8 Es7
Honey bees.
- 58823 FEDOROV, E. A., and GUBIN, F. A. Concentrated maltose for feeding bees in the spring. 3 p. Transl. 14375
Translation from *Pchelovodstvo* 26(3):169-171. Mar.1949.
- 58824 FLISCH, P. Management of bees. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(2):71-72. Feb.1966. 424.8 Sch9
- 58825 FOOTE, H. L. The mystery of the disappearing bees. *Gleanings Bee Cult.* 94(3):152-153, 182. Mar.1966. 424.8 G47
In California; possibly caused by aflatoxin from *Aspergillus flavus*; also called "autumn collapse."
- 58826 FORTALLIER, J. Contribution to the determination of pesticide residues in intoxicated bees. 13 p. Transl. 15855
Translation from *Bulletin Apicole* 7(2):183-193. 1964.
- 58827 FREE, J. B. The behaviour of honeybee foragers when their colonies are fed sugar syrup. *J. Apicult. Res.* 4(2):85-88. 1965. 424.8 J82
- 58828 FRISCH, K. VON. *Tanzsprache und Orientierung der Bienen* [The dance language and orientation of bees]. Berlin, Springer, 1965. 578 p. QL568.A6F7
- 58829 GORENZ, A. M. A start in bee-keeping in Ghana. *Ghana Farmer* 8(4):108-114. Nov.1964. 24 G564
Apis mellifera adansonii.
- 58830 GRÉDIG, R. Basic educational course for the apicultural advisor. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(1):33-34. Jan.1966. 424.8 Sch9
- 58831 HABERMANN, E., and REIZ, K. G. Biochemistry of the bee venom peptides melittin and apamine. (Ge) *Biochem. Z.* 343(2):192-203. Ref. 1965. 384 B522
English summary.
- 58832 HAGEDORN, H. H. A look at beekeeping in the future. *Amer. Bee J.* 106(1):16. Jan.1966. 424.8 Am3
- 58833 HARTENAU, J. Beekeeping aids handicapped children. *Gleanings Bee Cult.* 94(1):38-41,59. Jan.1966. 424.8 G47
The 4-A club La Esperanza of Mar del Plata, Argentina.
- 58834 HOAGE, T. R., and ROTHENBUHLER, W. C. Larval honey bee response to various doses of *Bacillus* larvae spores. *J. Econ. Entomol.* 59 (1):42-45. Feb.1966. 421 J822
Causal agent of American foulbrood.
- 58835 HOCH, J. A., and DEMOSS, R. D. Physiological effects of a constitutive tryptophanase in *Bacillus alvei*. *J. Bacteriol.* 90(3):604-610. Sept.1965. 448.3 J82
Causal organism of European foulbrood.
- 58836 HOLMES, F. O. Localized differences in the temperatures of apiary sites. *Gleanings Bee Cult.* 94(3):166,184. Mar.1966. 424.8 G47
- 58837 JAY, S. C. Drifting of honeybees in commercial apiaries. 1. Effect of various environmental factors. *J. Apicult. Res.* 4(3):167-175. Ref. 1965. 424.8 J82
- 58838 JÖRDAN, R. A method for following the passage of food in the bee gut. (Ge) *Bienenwatter* 87:43-46. Feb.1966. 424.8 B472
- 58839 KLOFT, W. List of honeydew producers [Homoptera] living in central European forests that are important for apiculture. (Ge) *Z. Bienenforsch.* 8(6):191-194. Feb.1966. 424.8 Z3
- 58840 KOBEL, F. Breeding in the year 1965. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(1):9-13. Jan.1966. 424.8 Sch9
- 58841 KOOVER, C. J. Is a double brood chamber a necessity? *Gleanings Bee Cult.* 94(1):16-17, 56. Jan.1966. 424.8 G47
- 58842 KOOVER, C. J. The Killion bottom board. *Gleanings Bee Cult.* 94(3):137-140. Mar.1966. 424.8 G47
- 58843 KRIEG, A., and HERFS, W. The effects of *Bacillus thuringiensis* on honey bees. 5 p. Transl. 14419
Translation from *Entomologia Experimentalis et Applicata* 6(1):1-9. 1963.
- 58844 KULIKOV, N. Mite Varroa. (Rus) *Sel'skokochoz. Proizv. Sibiri Dal'nego Vostoka* 1:48-49. 1966. 281.8 Se44
Varroa jacobsoni on *Apis mellifera*; includes control.
- 58845 KULIKOV, N. S. Foulbrood of honey bees. (Rus) *Pchelovodstvo* 1:43-48. Jan.1966. 424.8 P295
- 58846 KULIKOV, N. S. Varroa [jacobsoni] on honey bees. (Rus) *Pchelovodstvo* 11:15-16. Nov.1965. 424.8 P295
- 58847 LAERE, O. VAN. A view of some points of the bee research program carried out at the entomology station at Gand. (Fr) *Belg. Apic.* 29:304-313. Dec.1965. 424.8 B41
- 58848 LAERE, O. VAN. Bees harvest a coumarin-base product destined for rat control. (Fr) *Rev. Agr.* 19(1):67-72. Jan.1966. 13 R322
English summary.
In pollen gathering.
- 58849 LAIDLAW, H. H., and TUCKER, K. W. Umber eye-color—a new mutant in honey bees. *J. Hered.* 56(6):271-272. Nov./Dec.1965. 442.8 Am3
- 58850 LANGRIDGE, D. F., and RUFFORD-SHARPE, J. A successful protein supplement for honey bees. *J. Agr. [Melbourne]* 64(1):27-31. Jan.1966. 23 V66J

- 58851 LANSDOWN, G. N. Is there a future in bee-keeping? *Gleanings Bee Cult.* 94(1):46-47. Jan.1966. 424.8 G47
- 58852 L'ARRIVEE, J. C. M. Tolerance of honey bees to Nosema disease. *J. Invertebrate Pathol.* 7(4):408-413. Dec.1965. 421 J826
- 58853 L'ARRIVEE, J. C. M., and GEIGER, J. E. Size of package bees and honey yields. *Amer. Bee J.* 106(2):52-53,61. Feb.1966. 424.8 Am3
- 58854 LARSON, R. D. Observations on a two queen system. *Gleanings Bee Cult.* 94(1):9-11. Jan. 1966. 424.8 G47
- 58855 LEDENT, G. A view of beekeeping in Lebanon. (Fr) *Belg. Apic.* 30(1/2):10-13. Jan./Feb. 1966. 424.8 B41
- 58856 LEE, P. E., and FURGALA, B. Sacbrood virus: some morphological features and nucleic acid type. *J. Invertebrate Pathol.* 7(4):502-505. Dec.1965. 421 J826
- 58857 LEHNERT, T. Plural brood in a queenright colony. *J. Apicult. Res.* 4(2):99-100. 1965. 424.8 J82
- 58858 LOUIS, J. Remarks on the organization of transversal neurulation in the wing of the honey bee (*Apis mellifera mellifera*). (Fr) *Acad. Sci. Compt. Rend.* 261(12):2387-2389. Sept.20, 1965. 505 P21
- 58859 MARTINOV, A. Concerning honey bees' water requirement and nectar flow. 2 p. Transl. 15056
Translation from *Nordisk Bitidskrift* 15/16: 38-40. 1963/64.
- 58860 MCDONALD, J. L., and LEVIN, M. D. An improved method for marking bees. *J. Apicult. Res.* 4(2):95-97. 1965. 424.8 J82
Honey bees.
- 58861 MCGREGOR, S. E. Summation of the 7th Bee Pollination Conference. *Gleanings Bee Cult.* 94(1):18-21,60. Jan.1966. 424.8 G47
Sponsored by the American Beekeeping Federation and the Texas Agricultural and Mechanical University.
Includes list of speakers and their subjects.
- 58862 MEIER, R. Report on tests with Rondanol P for impregnating beehives. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(1):30-33. Jan.1966. 424.8 Sch9
Insect pest control.
- 58863 MIHAILOV, K. I. Winter management of colonies infected with European foulbrood. (Fr) *Apiculteur* 110(3):64-69. Mar.1966. 424.8 Ap3
- 58864 MORSE, R. A. Some notes on comb honey production. *Gleanings Bee Cult.* 94(1):12-14. Jan.1966. 424.8 G47
- 58865 MOURLAN, G. Good sense and apiculture. (Fr) *Gaz. Apic.* 67(706):70-72. Mar.1966. 424.8 G25
Suggestions for apiary management.
- 58866 MRAZ, C. Importing eggs for queen rearing. *Gleanings Bee Cult.* 94(3):147,185. Mar.1966. 424.8 G47
- 58867 NEWTON, D. Honey bee temperature regulation. *Amer. Bee J.* 106(1):14. Jan.1966. 424.8 Am3
- 58868 OESER, G. A., and PASCHKE, M. *Der Bien und Du* [The bee and you]. Ed. 2, completely rev. Berlin, *Deutscher Landwirtschaftsverlag*, 1965. 352 p. SF529.04
- 58869 OROSI-PAL, Z. The effect of royal jelly on the development of Nosema apis. (Ge) *Z. Bienenforsch.* 8(5):178-180. Jan.1966. 424.8 Z3
English summary.
- 58870 PAIN, J., and RUTTNER, F. The extracts of the mandibular glands of queen bees attract drones during the mating flight. 3 p. Ref. Transl. 14436
Translation from *Academie des Sciences. Comptes Rendus* 256(2):512-515. Jan.7,1963.
- 58871 PAPANEEK, P. Moving bees—pleasure or pain? *Gleanings Bee Cult.* 94(2):108-110. Feb.1966. 424.8 G47
- 58872 PARTIOT, L. Colony management in winter. (Fr) *Gaz. Apic.* 67(705):43-46,48. Feb.1966. 424.8 G25
- 58873 PLURAD, S. B., and HARTMAN, P. A. The fate of bacterial spores ingested by adult honey bees. *J. Invertebrate Pathol.* 7(4):449-454. Dec.1965. 421 J826
Bacillus larvae, *B. thuringiensis*, and *B. cereus*.
- 58874 PRIEZZHEVA, L. S. On the immunological possibilities in larvae of *Apis mellifera* L. with respect to the agent of European foulbrood. 8 p. Transl. 15857
Translation from *Leningrad. Universitet. Vestnik. Seriya Biologicheskaya* 12(3):62-72. 1957.
- 58875 REAY, R. C., and LEWIS, D. K. Evidence for differences in mode of action between two related carbamate insecticides. *J. Sci. Food Agr.* 17(1):17-19. Jan.1966. 382 So12
Carbaryl and 1-naphthyl N-acetyl-N-methyl-carbamate tested on *Apis mellifera*.
- 58876 REGARD, A. The grandeur and the decline of apiculture in Gatinais. (Fr) *Gaz. Apic.* 67(706):68,56. Mar.1966. 424.8 G25
- 58877 RENNER, M. The honey bee's time sense. 11 p. Ref. Transl. 15859
Translation from *Natur und Volk* 86(6):185-196. 1956.
- 58878 ROFF, C. Guarding against Nosema disease. *Queensland Agr. J.* 92(3):150-153. Mar.1966. 23 Q33
Nosema apis, causal organism.
- 58879 ROUSSY, L. Contribution to the study of the history of apiculture; first feeding of bees in Vaud, in 1873, with sugar from Holland. (Fr) *Gaz. Apic.* 67(706):52-53. Mar.1966. 424.8 G25
- 58880 ROUSSY, L. Notes on the winter of 1964-1965. (Fr) *Gaz. Apic.* 67(705):28-30. Feb.1966. 424.8 G25
Effects on apiculture.
- 58881 SCHWANTZER, L. Natural resistance to a rapid spread of acarine disease in the colony. (Ge) *Schweiz. Bienen-Zeitung* (n.s.)89(1):27-30. Jan.1966. 424.8 Sch9
Reply to article by Prof. O. Morgenthaler, relating experiences in Czechoslovakia in 1938.
- 58882 SCHWINN, K. Beekeeping with sunlit hives. 4 p. Transl. 15863
Translation from *Archiv fur Bienenkunde* 21(4/6):49-52. 1940.
- 58883 SEKIGUCHI, K., UEDA, M., and FUKUDA, H. Studies on the wintering technique of bee colonies in northern districts. IV. Longevity and activities of post-wintering bees in Tsukisappu, Sapporo. (Ja) *Hokkaido Nat. Agr. Exp. Sta. Res. Bull.* 85:34-39. Ref. Mar.1965. 107.6 H68
English summary.
- 58884 SHIMANUKI, H., HARTMAN, P. A., and ROTH-ENBUHLER, W. C. In vitro growth studies of *Bacillus* larvae White. *J. Invertebrate Pathol.* 7(4):437-441. Ref. Dec.1965. 421 J826
Causal organism of American foulbrood.
- 58885 SIDDIQUI, I. R., and FURGALA, B. Isolation and characterization of disaccharides from royal jelly. *J. Apicult. Res.* 4(2):89-94. Ref. 1965. 424.8 J82
- 58886 SMIRNOV, A. M., and CHANYSHV, Z. G. Fumigation for control of greater wax moth. (Rus) *Pchelovodstvo* 1:41-42. Jan.1966. 424.8 P295
Galleria mellonella as hive pest.
- 58887 SVOBODA, J. Chlorides in honeydew honey. (Ge) *Z. Bienenforsch.* 8(6):210-212. Feb.1966. 424.8 Z3
English summary.
Includes effects on honeybees.
- 58888 TELSCHOW, G. Feeding pollen substitute. *Gleanings Bee Cult.* 94(3):162. Mar.1966. 424.8 G47

- 58889 THOMAS, I., and AUTRUM, H. The susceptibility of dark and light adapted bees (*Apis mellifica*) to spectral colors; the Purkinje phenomenon of insects. (Ge) Z. Vergleichende Physiol. 51(3):204-218. Ref. 1965. 444.8 Z3 English summary.
- 58890 TOMASZEWSKA, B. The separation of proteins of the haemolymph of the honey-bee (*Apis mellifica* L.) by paper electrophoresis. (Pol) Med. Weter. 21(9):562-563. Sept. 1965. 41.8 M463 English summary.
- 58891 TOWNSEND, G. F. Preparation of honey for market. I. Amer. Bee J. 106(1):12. Jan. 1966. 424.8 Am3 Reprinted from Ontario. Department of Agriculture. Publication 544.
- 58892 TOWNSEND, G. F. Preparation of honey for market. II. Honey extracting. Amer. Bee J. 106(2):56-57. Feb. 1966. 424.8 Am3
- 58893 TAYLOR, E. Winter stores. Amer. Bee J. 106(2):47. Feb. 1966. 424.8 Am3
- 58894 VANDENBERG, H. A good living from 60 colonies of bees. Gleanings Bee Cult. 94(1):24-26. Jan. 1966. 424.8 G47 Chiefly migratory beekeeping in Rumania.
- 58895 VESELY, V., and others. Comparison of the activity of some geographical races of the honeybee (*Apis mellifera* L.) on alfalfa. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 38(11):861-872. Ref. Nov. 1965. 49.9 C33 O. Haragsim, J. Sedivy, L. Taimr, J. Dockal, and J. Balcar, joint authors. English summary. Chiefly flight and as pollinators.
- 58896 VESELY, V., and ROZMAN, I. The founder of genetics, Johann Gregor Mendel, was likewise an apicultural researcher of ability. (Fr) Apiculteur 110(3):69-73. Mar. 1966. 424.8 Ap3
- 58897 WAFI, A. K., RASHAD, S. E., and MAZEED, M. M. Biometrical studies on the Egyptian honeybee. J. Apicult. Res. 4(3):161-166, map. Ref. 1965. 424.8 J82 *Apis mellifera* var. *lamarckii*.
- 58898 WANG, DER-I., and SHUEL, R. W. Studies in the mode of action of royal jelly in honeybee development. V. The influence of diet on ovary development. J. Apicult. Res. 4(3):149-160. Ref. 1965. 424.8 J82
- 58899 WARAKOMSKA, Z., and LOUVEAUX, J. Investigations of variations in the pollen-gathering behavior in colonies of different strains. 12 p. Transl. 15869 Translation from Annales de l'Abeille 7(3):217-231. 1964.
- 58900 WEILER, The dedication of the new beekeeping school in Linz. (Ge) Bienenwatter 86:356-365. Dec. 1965. 424.8 B472
- 58901 WILD, E. Calculation of profits for 1964. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(2):54-55. Feb. 1966. 424.8 Sch9
- 58902 WILD, E. The library and museum of the VDSB [Verein Deutschschweizerischer Bienenfreunde] on the Rosenberg, Zug. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(2):55-56. Feb. 1966. 424.8 Sch9
- 58903 WILLE, H. New facts on diseased conditions in the colony. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(2):56-61. (Cont.) Feb. 1966. 424.8 Sch9
- 58904 WILLE, H. The course of the June nectar flows in the year 1893-1964. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(1):13-24. Jan. 1966. 424.8 Sch9
- 58905 WOODROW, A. W., and others. Evaluation of chemicals as honey bee attractants and repellents. J. Econ. Entomol. 58(6):1094-1102. Ref. Dec. 1965. 421 J822 N. Green, H. Tucker, M. H. Schonhorst, and K. C. Hamilton, joint authors.
- 58906 WOYKE, J. Do honeybees eat diploid drone larvae because they are in worker cells? J. Apicult. Res. 4(2):65-70. 1965. 424.8 J82
- 58907 WOYKE, J. Rearing diploid drone larvae in queen cells in a colony. J. Apicult. Res. 4(3):143-148. 1965. 424.8 J82
- 58908 WYNDHAM, R. J. A new bee disease. Gleanings Bee Cult. 94(1):26. Jan. 1966. 424.8 G47 Often called "autumn collapse"; California also hit by the disease.
- 58909 ZURCHER, H. Is it possible to prevent swarms? (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(1):24-27. Jan. 1966. 424.8 Sch9
- 58910 ZURCHER, H. Moisture in the hive. (Ge) Schweiz. Bienen-Zeitung (n.s.) 89(2):66-70. Feb. 1966. 424.8 Sch9

Sericulture and the Silkworm

- 58911 BASTIANI, D. DE. Comparative feeding and raising tests of silkworms (*Bombyx mori*, L.). II. (It) Agr. Venezia 19(6):317-336. June 1965. 16 Ag826
- 58912 BASTIANI, D. DE. The contribution of polyhybrids to improvement of national silkworm culture. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.) 19(11):33-41. Nov. 1965. 287 Ud5
- 58913 BASTIANI, D. DE. Fungicides and silkworms. (It) Prog. Agr. [Bologna] 11(6):637-650. June 1965. 58.8 P94
- 58914 BAUD, L. Comparative action of minor infection with *Bacillus thuringiensis* Berl. and of absolute fasting of a *Lepidoptera*. (Fr) Acad. Sci. Compt. Rend. 261(19):3903-3905. Nov. 8, 1965. 505 P21 *Bombyx mori*.
- 58915 BOUNHIOL, J. J., and MOREAU, R. Experiences on the role of nervous system in the extension of wings in the young *Bombyx mori* moths. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):901-903. Feb. 21, 1966. 505 P21
- 58916 BOUNHIOL, J. J., and MOULINIER, C. The opacity of the cranium and natural and experimental modifications in the silkworm. (Fr) Acad. Sci. Compt. Rend. 261(14):2739-2741. Oct. 4, 1965. 505 P21
- 58917 DAILLIE, J. Cellular growth and silk secretion in the sericin glands of the silkworm during the last larval stage. (Fr) Acad. Sci. Compt. Rend. 261(22):4872-4875. Ref. Nov. 29, 1965. 505 P21
- 58918 FILIPETTO, A. Aspects and conditions of silkworm production. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.) 19(12):52-56. Dec. 1965. 287 Ud5
- 58919 KAMEYAMA, T., and KAWASUGI, S. Water soluble vitamin requirements of the eri-silkworm. (Ja) Jap. Sericult. Exp. Sta. Bull. 19(5):517-529. Ref. July 1965. 425.9 J273B English summary. *Samia cynthia ricini*.
- 58920 KUVAEVA, E. B., and others. Isolation and properties of ribosomes and microsomes of larvae of *Bombyx mori* L. in the course of metamorphosis. (Rus) Akad. Nauk SSSR. Dokl. 166(6):1461-1464. 1966. 511 P444A N. A. Gumilevskaya, L. V. Chumikina, and N. M. Sisakyan, joint authors.
- 58921 MASERA, E. Pathological significance of "clear eggs" in deposition of *Bombyx mori* L. (It) Agr. Venezia 19(6):307-316. June 1965. 16 Ag826 Tendency to pebrine.
- 58922 MASERA, E. The unknown contribution of the male infected with *Nosema bombycis* Naeg in transmission of pebrine of *Bombyx mori* L. (It) Agr. Italia 11(7):31-37. July 1965. 16 Ag8232

- 58923 MATSUDA, M. The amino acid requirements of the eri-silkworm, *Samia cynthia ricini*. (Ja) Jap. Sericult. Exp. Sta. Bull. 19(5):531-538. Ref. July 1965. 425.9 J273B
English summary.
- 58924 MATSUOKA, M. Carbohydrate requirements of the eri-silkworm, *Samia cynthia ricini*. Jap. Sericult. Exp. Sta. Bull. 19(5):499-516. Ref. July 1965. 425.9 J273B
English summary.
- 58925 PERIN, D. The problem of mechanization in silkworm production. (It) Udine, Cam. Com. Indus. Agr. Boll. Uffic. (n.s.)19(12):47-51. Dec.1965. 287 Ud5
- 58926 RAO, D. R., ENNOR, A. H., and THORPE, B. The occurrence of L-lanthionine in the amino acid pool of insects. Biochem. Biophys. Res. Commun. 22(2):163-168. Ref. Jan.24,1966. 442.8 B5236
Bombyx mori and Antheraea pernyi.
- 58927 SRIDHARA, S., RAO, U. R., and BHAT, J. V. Metabolism of saturated 1-¹⁴C-labelled fatty acids in the silkworm *Bombyx mori* L. Biochem. J. 98(1):260-265. Ref. Jan.1966. 382 B52
- 58928 TARASEVICH, L. M., and ULANOVA, E. F. The effect of chloramphenicol on the polyhedrosis, nucleic and protein metabolism in *Bombyx mori*. (Rus) Akad. Nauk SSSR. Dokl. 166(4):970-973. Ref. 1966. 511 P444A
- 58929 VAUGHN, J. L. Chromatographic evidence of differences between the virus in the hemolymph and in the polyhedra from diseased *Bombyx mori*. J. Invertebrate Pathol. 7(4):524-525. Dec.1965. 421 J826
- 58930 VEREISKAYA, V. N., and ASTAUROV, B. L. Fertility of allotetraploid mulberry silkworm [*Bombyx mori*] males during the first four generations of the tetraploid line. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 70(1):140-152. 1965. 511 M85
Abstracted in Ref. Zh. Biol. 19(sect.A):26. Oct.1965. 241.7 R25
- 58938 CLOUDSLEY-THOMPSON, J. L., and SANKEY, J. Some aspects of the fauna of East Africa. Entomol. Mon. Mag. 101(1208/1210,i.e. 301/302):1-3. Jan./Mar.1965. 421 En86
Soil insects.
- 58939 COURTOIS, J. E., and others. Comparative distribution of osidases in xylophagous insects parasitic on forest trees. (Fr) Soc. Chim. Biol. Bull. 47(12):2219-2231. Ref. 1965. 383 Sol
C. Chararas, M. M. Debris, and H. Laurant-Hube, joint authors.
English summary.
- 58940 DURANT, J. A., and FOX, R. C. Some arthropods of the forest floor in pine and hardwood forests in the South Carolina Piedmont Region. Entomol. Soc. Amer. Ann. 59(1):202-207. Jan. 1966. 420 En82
- 58941 EGOROVA, T. A. Trehalose in insects. (Rus) Moscow. Moskovskii Gosudarstvennyi Pedagogicheskii Institut imeni V. I. Lenina. Uch. Zap. 212:14-2[0]. Ref. 1965. (Not in Libr.)
Cited in Ref. Zh. Biol. 19(sect.E):27. Oct. 1965. 241.7 R25
- 58942 ELBOURN, C. A. The fauna of a calcareous woodland stream in Berkshire. Entomol. Mon. Mag. 101(1208/1210,i.e.301/302):25-30. Jan./Mar.1965. 421 En86
Includes aquatic insects and Acarina.
- 58943 GONCHARENKO, L. An apparatus for collecting small insects. (Rus) Zashch. Rast. Vred. Boleznei 3:42. 1965. 421 Z1
- 58944 HAMASAKI, S. Insect list of Mishima Island, Yamaguti Prefecture. (Ja) Yamaguti. Univ. Fac. Agr. Bull. 15:595-606. 1964. 107.6 Y14
English summary.
- 58945 HARDING, W. C., HARTSOCK, J. G., and ROHWER, G. G. Blacklight trap standards for general insect surveys recommended by the Entomological Society of America. Entomol. Soc. Amer. Bull. 12(1):31-32. Mar.1966. 423.9 En8
- 58946 HOFFMEISTER, H. Ecdysterone, a new molting hormone of insects. (Ge) Angew. Chem. 78(14):269-270. Feb.21,1966. 384 Z33
- 58947 KENSLER, C. B. The Mediterranean crevice habitat. Vie Milieu 15(4):947-977. Ref. 1964, pub.1965. 442.8 V67
Includes arthropods in France.
- 58948 KERB, U., and others. The synthesis of ecdysone. (Ge) Tetrahedron Lett. 13:1387-1391. Apr.1966. 385 T29
P. Hocks, R. Wiechert, A. Furlenmeier, A. Furst, A. Langemann, and G. Waldvogel, joint authors.
- 58949 KLUG, E. Experiment for characterizing of several forest humus types on basis of their mesofauna (small arthropods). (Ge) Centralbl. Gesamte Forstwesen 82(4):245-254. Dec.1965. 99.8 C33
English summary.
- 58950 KNOWLTON, G. F. Making an insect net; 4-H entomology. Utah. State Univ. Ext. Entomol. Mimeo Ser. 87,1 p. Apr.1966. 275.29 Ut1En
- 58951 KOVACEVIC, Z. The nature of insect migration. (Se) Biljna Zastita 9(11/12):220-225. Nov./Dec.1965. 464.8 B49
- 58952 LEE, J., and KNOWLES, F. G. W. Animal hormones. London, Hutchinson, 1965. 192 p. (Biological Sciences) QP187.L4
Bibliography, p.181-185.
Includes insects.
- 58953 LINSLEY, E. G., and USINGER, R. L. Insects of the Galapagos Islands. Calif. Acad. Sci. Proc. (ser.4)33(7):113-196. Jan.31,1966. 500 C12P
Bibliography, p.178-196.
- 58954 MAHONEY, R. Laboratory techniques in zoology. Washington, Butterworth, 1966. 404 p. Ref. (Laboratory Techniques Series) QL53.M3
Includes Arthropoda.

TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL

General

- 58931 ALEKSEEV, A. N. Compulsory dosed feeding of insects. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(4):467-471. July/Aug.1965. 448.8 M469
English summary.
Includes equipment.
- 58932 BALOGH, J., ENDRODY-YOUNGA, S., and ZIESI, A. The scientific results of the Hungarian soil zoological expedition to the Brazzaville-Congo; a report on the collectings. Rovartani Közlemenyek (n.s.)18(1/17):213-280, map. 1965. 420 Sol2
Soil insects.
- 58933 BARGMANN, W. Neurosecretion. Int. Rev. Cytol. 19:183-201. Ref. 1966. 442.8 In82
Includes insects.
- 58934 BARNES, S. H. Supplying electric service for insect traps. Amer. Soc. Agr. Eng. Pap. 306, 7 p. 1965. 290.9 Am32P
- 58935 BASDEN, R. The occurrence and composition of manna in Eucalyptus and Angophora. Linn. Soc. New S. Wales. Proc. 90(2):152-156. 1965. 514 Sy2
Saccharine excretion of wound, inflicted by insects.
- 58936 BERGEDER, H. D., and BONING, D. Immediate effects of X-rays on invertebrate animals and frogs. (Ge) Biophysik 2(4):239-246. Ref. 1965. 442.8 B5242
Includes arthropods.
- 58937 BIGELOW, R. S. Hybrid zones and reproductive isolation. Evolution 19(4):449-458. Ref. Dec.1965. 443.8 Ev62
Applicable to insects.

- 58955 MARTIN, J. L. The insect ecology of red pine [*Pinus resinosa*] in central Ontario. IV. The crown fauna. *Can. Entomol.* 98(1):10-27. Ref. Jan.1966. 421 C16
- 58956 MITSUHASHI, J. Insect tissue culture. (Ja) *Biol. Sci.* 17(3):105-117. Ref. Dec.1965. 442.8 B5264
- 58957 NEVILLE, A. C. Circadian organization of chitin in some insect skeletons. *Quart. J. Microscop. Sci.* 106(4):315-325. Ref. Dec.1965. 440.8 Q2
- 58958 OTAKI, T. Insect pheromones. (Ja) *Biol. Sci.* 17(3):97-104. Ref. Dec.1965. 442.8 B5264
- 58959 PAYNE, J. A. A summer carrion study of the baby pig *Sus scrofa* Linnaeus. *Ecology* 46(5):592-602. Late summer 1965. 410 Ec7
Exposed to insects.
- 58960 PIECZYNSKI, E., and KAJAK, Z. Investigations on the mobility of the bottom fauna in the Lakes Taltowisko, Mikolajskie and Sniardwy. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(6):345-353. Ref. 1965. 512 W262
Includes aquatic insects.
- 58961 POPOV, P. A. About the occurrence of some insects over the snow cover in the winter of 1962-1963 in Bulgaria. (Bu) *Priroda* [Sofia] 13(6):95-96. Nov./Dec.1964. 410 P934
Due to unusual warm weather.
- 58962 PRUESS, K. P., and PRUESS, N. C. Note on a Malaise trap for determining flight direction of insects. *Kans. Entomol. Soc. J.* 39(1):98-102. Jan.1966. 420 K13
- 58963 REED, E. B., and BEAR, G. Benthic animals and foods eaten by brook trout in Archuleta Creek, Colorado. *Hydrobiologia* 27(1/2):227-237. Ref. Jan.31,1966. 410 H992
Includes insects.
- 58964 RHODES, R. A., and others. Characteristics of the vegetative growth of *Bacillus popilliae*. *Appl. Microbiol.* 14(2):189-195. Ref. Mar. 1966. 448.3 Ap5
E. S. Sharpe, H. H. Hall, and R. W. Jackson, joint authors.
Insect pathogen.
- 58965 ROCKSTEIN, M., ed. The physiology of Insecta, volume I. New York, Acad. Press, 1964. 640 p. Ref. 422 R59
Includes: Biology of the Insecta, by M. Rockstein.
- 58966 SEKERIS, C. E., and KARLSON, P. Biosynthesis of catecholamines in insects. *Pharmacol. Rev.* 18(1):89-94. Ref. Mar.1966. 396.8 P4925
- 58967 STANLEY, J. M. Developments in electric insect trap design. *Amer. Soc. Agr. Eng. Pap.* 303,8 p. Ref. 1965. 290.9 Am32P
- 58968 STRASKRABA, M. On the distribution of the macrofauna and fish in two streams, Lucina and Moravka. *Arch. Hydrobiol.* 61(4):515-536. Ref. Jan.1966. 410 Ar28
Includes aquatic insects.
- 58969 VELITSKAYA, I. S. Toxic properties of culture media of fungi pathogenic to insects. (Rus) *In Issled. po biol. metodu bor'by s vredit. sel'sk. i lesn. kh-va.* 1964:26-27. (Not in Libr.)
Cited in Ref. *Zh. Biol.* 21(sect.E):17. Nov. 1965. 241.7 R25
- 58970 ZIEGLER, I. Pterin as hormone and pigment. (Ge) *Ergeb. Physiol. Biol. Chem. Exp. Pharmacol.* 56:1-113. Ref. 1965. 447.8 Er3
Review of the literature.
Includes insects and plants.
- 58971 ZIVKOVITCH, V., and KACANSKI, D. The participation of black flies (Diptera, Simuliidae) in the nutrition of fishes. (Ge) *Z. Fisch. (n.s.)* 13(3/4):261-268. Ref. Nov.1965. 414.8 Z3
English summary.
- Arachnida, Myriapoda, etc.
- 58972 ANWARULLAH, M. *Porcupinychus abutiloni* (Acarina: Tetranychidae), a new mite from Pakistan. *Can. Entomol.* 98(1):71-75. Jan. 1966. 421 C16
A new genus and species found on *Abutilon indicum*.
- 58973 ARTHUR, D. R. Feeding in ectoparasitic Acari with special reference to ticks. *Advances Parasitol.* 3:249-298. Ref. 1965. 436.8 Ad9
Review of the literature.
- 58974 BARBOS, S. Revision of the subgenus *Pholeoixodes* Schulze, 1942 (Acaroidea: Ixodidae). (Ge) *Acta Zool. [Budapest]* 10(3/4):269-307. Ref. 1964. 410 Ac85
- 58975 BELOZEROV, V. N. Diapause of ixodid ticks. (Rus) *Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo* 16/17:12-33. Ref. 1965. 420 V96
- 58976 BENOIT, P. L. G. Three new spiders from termitaria in the Congo (Leopoldville). (Fr) *Rev. Zool. Bot. Afr.* 72(3/4):302-308. Dec.30, 1965. 410 R326
Scytodes clavata n. sp., *Diores bouilloni* n. sp., and *Allodrossus occultus* n. sp.
- 58977 BIELAK, T. On autonomy of the species *Cylindroiulus parisiorum* (Brol. et Verh.) (Diplopoda, Iulidae). (Ge) *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(7):399-402. Ref. 1965. 512 W262
- 58978 BOCZEK, J., and KROPCZYNSKA, D. Studies on mites (Acarina) living on plants in Poland. *VI. Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(3):171-174. Ref. 1965. 512 W262
- 58979 BOULIGAND, Y. Twisted fibrillary arrangement, common in several biological structures. (Fr) *Acad. Sci. Compt. Rend.* 261(22):4864-4867. Ref. Nov.29,1965. 505 P21
Includes cuticle of arthropods.
- 58980 BRAASCH, N. L. The genus *Proctophyllodes* (Acarina: Sarcoptiformes) in North America North of Mexico. *Diss. Abs.* 26(9):5602. Mar. 1966. 241.8 M58
Includes n. spp.
- 58981 CASSAGNE-MEJEAN, F. Two species of *Arrenurus* s. gen. (Acari, Prostigmata) new in the French fauna: *Arrenurus* (Arrenurus) *rodrigensis* Lundblad 1954 and *Arrenurus* (Arrenurus) *furcillatus* Viets 1930. (Fr) *Hydrobiologia* 27(1/2):193-195. Jan.31,1966. 410 H992
- 58982 CERNY, V., and others. Results of investigations of phenology of the common tick *Ixodes ricinus* (L.) in the Czech lands in the years 1960-1962. (Cz) *Cesk. Parazitol.* 12:125-131. 1965. 436.8 C33
B. Rosicky, J. Asmera, K. Kadlcik, V. Kobik, E. Kratochvilova, P. Lauterer, D. Novak, E. Pauleova, Z. Sebek, J. Svec, and K. Temin, joint authors.
English summary.
- 58983 CRABILL, R. E. Untersuchung uber die Charaktere und Verwandtschaft von *Turkophilus* (Chilopoda; Geophilomorpha; Dignathodontidae) [Study on the characteristics and affinity of *Turkophilus* (Chilopoda, Geophilomorpha, Dignathodontidae)]. *Opusc. Zool.* 76,6 p. Dec.15,1964. 410 Op7
- 58984 CROSS, H. F., and WHARTON, G. W. Feeding tests with several species of mites on different kinds of blood and blood components. *Entomol. Soc. Amer. Ann.* 59(1):182-185. Jan.1966. 420 En82
- 58985 DEGENHARDT, W. G., and DEGENHARDT, P. B. The host-parasite relationship between *Elaphe subocularis* (Reptilia: Colubridae) and *Aponomma elaphensis* (Acarina: Ixodidae). *Southwest. Natur.* 10(3):167-178, map. Ref. July 1,1965. 409.6 So8
- 58986 DOMROW, R. Some laelapid mites of syndactylous marsupials. *Linn. Soc. New S. Wales. Proc.* 90(2):164-175. Ref. 1965. 514 Sy2
Includes n. spp. in *Australaelaps* and *Haelmolaelaps*.

- 58987 DOMROW, R. Some mite parasites of Australian birds. Linn. Soc. New S. Wales. Proc. 90 (2):190-217. Ref. 1965. 514 Sy2
Includes n. spp. in *Sternostoma*, *Ptilonyssus*, *Hattena*, *Neocheyletiella*, and *Passerhinoptes*.
- 58988 DREW, L. C. The spider fauna of Beaver Island, its composition, ecological distribution and origin. Diss. Abs. 26(8):4900. Feb. 1966. 241.8 M58
In Lake Michigan.
- 58989 DUY, M. J. N., and CONDE, B. Identity and affinity of a congoian polyxenid described by Attems. (Fr) Rev. de Zool. et de Bot. Africaines 71(1/2):92-104. Mar. 30, 1965. 410 R326
Includes n. sp. in *Pauropsixenus*.
- 58990 ECKERT, M. The physiology of molting in spiders. (Ge) Naturwissenschaften 52(24):665. Dec. 15, 1965. 474 N213
Tests with *Coelotes terrestris*.
- 58991 EVANS, G. O., and TILL, W. M. Studies on the British Dermanyssidae (Acari: Mesostigmata). I. External morphology. Brit. Mus. (Natur. Hist.) Bull. Zool. 13(8):247-294. Ref. 1965. 410.9 B772B
- 58992 FAIN, A. New genera and species of parasitic mites Sarcotiformes. (Preliminary note). (Fr) Rev. Zool. Bot. Afr. 72(3/4):252-256. Dec. 30, 1965. 410 R326
Includes n. spp. in *Pithesarcoptes*, n. g., *Lo-phuromyopus* n. g., *Rodentopus* and *Rodentopinae* n. sfam.
- 58993 FARISH, D. J., and AXTELL, R. C. Sensory functions of the palps and first tarsi of *Macrocheles muscaedomesticae* (Acarina: Macrochelidae), a predator of the house fly. Entomol. Soc. Amer. Ann. 59(1):165-170. Ref. Jan. 1966. 420 En82
- 58994 FELTON, J. C. *Cryptops anomalans* Newport (Myriapoda, Chilopoda) in Middlesex. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302): 48. Jan./Mar. 1965. 421 En86
- 58995 GERTSCH, W. J., and ALLRED, D. M. Scorpions of the Nevada test site. Brigham Young Univ. Sci. Bull. Biol. Ser. 6(4), 15 p. Mar. 1965. 500 B76
Includes n. spp. in *Vejovis*.
- 58996 GONZALEZ-RODRIGUEZ, R. H. A suprageneric classification of the family Stigmaeidae (Acarina) and a revision of genera formerly included in *Mediolata*. Diss. Abs. 26(3):1582. Sept. 1965. 241.8 M58
Includes n. spp. in *Mediolata*, *Zetzellia*, and *Agistemus*.
- 58997 HIGGINS, H. G. Two new mites from the United States (Acari: Orbatei, Microzetidae and Oribatellidae). Great Basin Natur. 25(3/4):55-58. Ref. Dec. 31, 1965. 410 G79
New spp. in *Allozetes* n. g. and *Ophidiotrichus*.
- 58998 HITCHCOCK, M., and SMITH, J. N. Comparative detoxication; the detoxication of aromatic acids by invertebrates: detection of agmatine conjugates in scorpions. Biochem. J. 98(3): 736-741. Ref. Mar. 1966. 382 B52
- 58999 HOFFMAN, R. L. Chelodesmid studies. I. The status of the generic name *Hoffmanodesmus* Schubart (Diplopoda: Polydesmida). Sao Paulo. Dep. Zool. Papeis Avulsos 17:219-223. Ref. 1965. 410.9 Sa63
- 59000 HOFFMAN, R. L. Über einige ostafrikanische Diplopoda Polydesmida der Zoologischen Staatssammlung München [On some east African Diplopoda Polydesmida in the Zoologischen Staatssammlung Munich]. Opusc. Zool. 79, 10 p. Dec. 15, 1964. 410 Op7
Includes n. spp. in *Suohelisoma* n. g., and *Uluguria* n. g.
- 59001 HOOGSTRAAL, H., and KOHLS, G. M. *Ornithodoros* (*Pavlovskyella*) *macmillani*, new species (Ixodoidea: Argasidae) a nest parasite of Australian cockatoos (*Kakatoe roseicapilla*). Entomol. Soc. Amer. Ann. 59(1):86-92. Jan. 1966. 420 En82
- 59002 HOOGSTRAAL, H., TRAPIDO, H., and KOHLS, G. M. Studies on Southeast Asian *Haemaphysalis* ticks (Ixodoidea, Ixodidae): speciation in the *H. (Kaiseriana)* *obesa* group: *H. semermis* Neumann, *H. obesa* Lar., *H. roubaudi* Toumanoff, *H. montgomeryi* Nuttall, and *H. hirsuta* sp. n. J. Parasitol. 52(1):169-191. Ref. Feb. 1966. 448.8 J824
- 59003 HUHTA, V. Ecology of spiders in the soil and litter of Finnish forests. Ann. Zool. Fenn. 2 (4):260-308. Ref. 1965. 410 An712
- 59004 JABLONSKA, J. *Pterolichus bolus*—new mite species (Analgesoidea, Pterolichidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(4):231-233. 1965. 512 W262
Parasites of birds.
- 59005 JAMESON, E. W. Two new mites (Acarina: Laelapinae) from Oriental insectivores (Mammalia: Insectivora). Pacific Sci. 20(1):100-103. Jan. 1966. 475 P11
Haemolaelaps soricinus and *H. himizu* n. spp.
- 59006 JUDD, W. W. Terrestrial sowbugs (Crustacea, Isopoda) in the vicinity of London, Ontario. Can. Field-Natur. 79(3):197-202, map. July/Aug., i.e. Sept. 1965. 410.9 Ot8
- 59007 KADZHAYA, G. SH. Tyroglyphoid mites of subtropical zone of Abkhaz ASSR (Acarina, Tyroglyphoidea). (Rus) Akad. Nauk Gruz. SSR. Soobshch. 39(1):191-196. July 1965. 511 Ak146
- 59008 KAJAK, A. Quantitative analysis of relations between spiders (*Araneus cornutus* Clerck, and *Araneus quadratus* Clerck) and their prey. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(9): 515-522. 1965. 512 W262
- 59009 KARG, W. Systematic and phylogenetic study of the larvae and the revision of *Gamasina* Leach, 1915 (Acarina, Parasitiformes). (Ge) Berlin. Zool. Mus. Mitt. 41(2):193-340. Ref. 1965. 410.9 B45
Includes *Eviphidoidea* n. superfam., *Phytoseioidea* n. superfam., *Ascaoidea* n. superfam., *Eugamasoidea* n. superfam., *Antennoseiidae* n. fam., *Halolaelaptidae* n. fam., and n. spp. in *Iphidosoma*, *Pachylaelaps*, *Hypoaspis* (*Hypoaspis*), *Oirolaelaps*, *Amblyseius*, *Leiioseius*, *Antennoseius*, *Saprolaelaps*, *Rhodacarellus*, *Dendrolaelaps*, *Saprogamasus*, *Eugamasus*, and *Gamasolaelaps*.
- 59010 KHUDYAKOV, I. S. Chigger mites as parasites of small rodents in southern Maritime Territory. (Rus) Vses. Entomol. Obschest. Chetnaya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 15:12-21. 1964. 420 V96
- 59011 KOLOSVARY, G. Geographic distribution of Opiliones in the Hungarian Peoples Republic. (Ge) Acta Biol. N. S. 11(1/2):165-168. Ref. 1965. 442.8 Ac86
- 59012 LAGUTENKO, YU. P. Functional and histological features of the gonotrophic cycle of the chicken mite *Dermanyssus gallinae* (Gamasoidea, Dermanyssidae). 15 p. (TT 64-15449) Transl. 15316
Translation from *Meditinskaya Parazitologiya i Parazitarnye Bolezni* 32(3):313-319. 1963. Issued by CFSTI.
- 59013 LE GUELTE, L. Preliminary note on the apprenticeship at *Zygiella X notata* Cl., in adult stage (Spiders, Argiopidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(6):689-691. Feb. 7, 1966. 505 P21
- 59014 LOCKET, G. H. A new British species of linyphiid spider. Entomol. Mon. Mag. 101 (1208/1210, i.e. 301/302):48-50. Jan./Mar. 1965. 421 En86
Lasiargus gowerensis n. spp.
- 59015 LOGINOVSKII, G. E. Occurrence and seasonal incidence of activity of *Ixodes persulcatus* in the Kurgan Region. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(4):487-488. July/Aug. 1965. 448.8 M469
English summary.

- 59016 LOOMIS, H. F. Descriptions and records of Mexican Diplopoda. Entomol. Soc. Amer. Ann. 59(1):11-27. Jan. 1966. 420 En82
Includes n. spp. in *Rhaphandra* n. g., *Theleura* n. g., *Strongyloidesmus*, *Cruzodesmus*, *Rhyssodesmus*, *Pheniulus*, *Centrelus*, *Rhinocricus*, and *Orthoporus*.
- 59017 MARKOV, G., and SHAMAKOV, S. Mites on lizards in western Turkmenia. (Rus) Akad. Nauk Turkm. SSR. Izv. Ser. Biol. Nauk 1:91-93. 1965. 442.9 Ak124
Acarina.
Abstracted in Ref. Zh. Biol. 21(sect.K):7. Nov. 1965. 241.7 R25
- 59018 MCMURTRY, J. A., and SCRIVEN, G. T. The influence of pollen and prey density on the number of prey [*Oligonychus punicae*] consumed by *Amblyseius hibisci* (Acarina: Phytoseiidae). Entomol. Soc. Amer. Ann. 59(1):147-149. Ref. Jan. 1966. 420 En82
- 59019 MIKULSKA, I., and KOKOCINSKI, W. The heart rate in the isolated abdomen of a spider. (Fr) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(9):533-537. 1965. 512 W262
In relation to the nervous system; tests with *Tegenaria africa*.
- 59020 MOCQUARD, J. P. Comparison of ponderal growth of individuals belonging to various phenotypes of *Porcellio dilatatus* (Crustaceae, terrestrial Isopoda), isolated and living in mutual association. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):171-174. Jan. 3, 1966. 505 P21
- 59021 MULAYARSKAYA, L. V. Contribution to the study of chigger mites in northeastern Azerbaijan. (Rus) Akad. Nauk Azerbaidzh. SSR. Inst. Zool. Tr. 24:162-182. 1965. (Not in Libr.)
Trombiculidae.
Abstracted in Ref. Zh. Biol. 21(sect.K):9. Nov. 1965. 241.7 R25
- 59022 MUMA, M. H. Eight new Phytoseiidae (Acarina: Mesostigmata) from Florida. Fla. Entomol. 48(4):245-254. Dec. 1965. 420 F662
New spp. in *Proprioseiopsis*, *Amblyseius*, *Iphiseius*, *Amblyseius*, *Typhlodromips*, and *Neoseiulus*.
- 59023 NATCHEFF, P. *Epitrimerus boczeki*, new eriophyid mite species of pepper [*Capsicum annuum*] in Bulgaria. Bulgarska Akad. Nauk. Dokl. 18(9):869-870. 1965. 512 So2
- 59024 NOSEK, J. The procedures for rearing ticks. (Cz) Cesk. Parazit. 12:331-332. 1965. 436.8 C33
English summary.
- 59025 OGANDZHANYAN, A., and MARTIROSYAN, B. A. Discovering of tick *Haemaphysalis warburtoni* Nutt. (Acarina, Ixodidae) in Armenia. (Rus) Akad. Nauk Arm. SSR. Izv. Biol. Nauk. 18(4):69-72. 1965. 20 Er4
Abstracted in Ref. Zh. Biol. 21(sect.K):14. Nov. 1965. 241.7 R25
- 59026 OLIVER, J. H. Cytogenetics of ticks (Acari: Ixodoidea. I. Karyotypes of the two *Ornithodoros* species (Argasidae) restricted to Australia. Entomol. Soc. Amer. Ann. 59(1):144-147. Ref. Jan. 1966. 420 En82
Ornithodoros (*Pavlovskyella*) *macmillani* and *O. (P.) gurneyi*.
- 59027 OLIVER, J. H. Cytogenetics of ticks (Acari: Ixodoidea). II. Multiple sex chromosomes. Chromosoma 17(4):323-327. 1965. 442.8 C46
Ixodids, *Amblyomma moreliae* and *A. limbatum*.
- 59028 PARIS, O. H. Vagility of p^{32} -labeled isopods in grassland. Ecology 46(5):635-648. Ref. Late summer 1965. 410 Ec7
Armadillium vulgare and *Porcellio scaber*.
- 59029 PIECZYNSKI, E. Effects of the size of traps and their exposure time on the catches of aquatic invertebrates, chiefly water mites (Hydracarina). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(10):577-581. 1965. 512 W262
- 59030 PORATH, A., and SWIRSKI, A. A survey of phytoseiid mites (Acarina: Phytoseiidae) on citrus, with a description of one new species. Israel J. Agr. Res. 15(2):87-100, map. Ref. Apr. 1965. 107 J552
Typhlodromus athiasae n. sp.
- 59031 PUTMAN, W. L. Sampling mites on peach leaves with the Henderson-McBurnie machine. J. Econ. Entomol. 59(1):224-225. Feb. 1966. 421 J822
- 59032 ROEWER, C. F. Die Lyssomanidae und Salticidae Pluridentati der athiopischen Region (Araneae) [The Lyssomanidae and pluridentate Salticidae of the Ethiopian Region (Araneae)]. Mus. Roy. Afr. Cent. Ann. Sci. Zool. 139, 86 p. 1965. 515 M97A
Includes *Neccocalus* n. g., and n. spp. in *Holcolaetis* and *Myrmarachne*.
- 59033 SAMSINAK, K. Mites (Acari) living on Procrustes (Coleoptera, Carabidae) and their zoogeographical significance. (Ge) Berlin. Zool. Mus. Mitt. 41(2):137-155, map. Ref. 1965. 410.9 B45
Includes n. sp. in *Percanestrinia*.
- 59034 SAREEN, M. L. Cytochemical studies on vitellogenesis in the spider, *Crossopriza lyoni*. Panjab Univ. Res. Bull. (n.s.) 16(1/2):1-8. Ref. June 1965. 513 Ea72
- 59035 SAREEN, M. L. Histochemical studies on the female germ cells of the pseudoscorpion, *Diplothemnus insolitus* Chamberlin (Chelonethida: Atemnidae). Panjab Univ. Res. Bull. (n.s.) 16(1/2):9-18. Ref. June 1965. 513 Ea72
- 59036 SAREEN, M. L. Morphological and cytochemical analysis of the female germ cells of the ticks *Argas persicus* (Oken) and *Hyalomma aegyptium* (Linn.). Panjab Univ. Res. Bull. (n.s.) 16(1/2):31-44. Ref. June 1965. 513 Ea72
- 59037 SONENSHINE, D. E., CLIFFORD, C. M., and KOHLS, G. M. The systematics of the subfamily Ornithodorinae (Acarina: Argasidae). III. Identification of the larvae of the Eastern Hemisphere. Entomol. Soc. Amer. Ann. 59(1):92-122. Ref. Jan. 1966. 420 En82
- 59038 STAREGA, W. On *Nemastoma polonicum* Roewer, 1951 (Opiliones). (Ge) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(5):301-303. 1965. 512 W262
Chiefly morphology.
- 59039 STROGANOVA, N. S., and MONAKHOVA, M. A. The structure-forming function of the plasmatic membrane in spermatogonia of certain Tyroglyphidae. (Rus) Akad. Nauk. SSSR. Dokl. 167:198-200. 1966. 511 P444A
Acotylenodon redikorzevi.
- 59040 SUSKI, Z. W. Tarsonemid mites on apple trees in Poland. II-III. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(9):539-551; (10):587-593. 1965. 512 W262
Tarsonemus bilobatus, n. sp. and *T. lobosus*, n. sp.
- 59041 TUZET, O., MANIER, J. F., and BOISSIN, L. Study of ripe encysted spermatozoa of the Hysterochelifer meridianus, Koch. (Arachnida, Pseudoscorpionida, Cheliferidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):376-378. Jan. 17, 1966. 505 P21
- 59042 UILENBERG, G. *Amblyomma chabaudi* Rageau 1964. (Ixodidae): description of the female and the nymph, morphologic variations of the male. (Fr) Ann. Parasitol. Humaine Comp. 40(6):681-691. Ref. Nov./Dec. 1965. 436.8 An7
- 59043 UZAKOV, YU. YA. Fauna and ecology of *Hyalomma* ticks in southern Uzbekistan. (Rus) Uzbekskii Nauch.-Issled. Vet. Inst. Tr. 16:286-275. 1964. 41.9 Uz12T
As pests on livestock.
Abstracted in Ref. Zh. Biol. 21(sect.K):12. Nov. 1965. 241.7 R25
- 59044 VAN DER MERWE, G. G. South African Phytoseiidae (Acarina). I. Nine new species of the genus *Amblyseius* Berlese. Entomol. Soc. Southern Afri. J. 28(1):57-76. Nov. 1965. 420 En86

- 59045 WOOLLEY, T. A., and HIGGINS, H. G. A new genus and species of oribatid mite from Colorado (Acari: Oribatei, Ceratoppiidae). Great Basin Natur. 25(3/4):59-62. Dec.31,1965. 410 G79
Paenoppia n. g., n. sp.
- 59046 ZHMAEVA, Z. M. Parthenogenetic development of Haemaphysalis bispinosa Neumann (Acarina, Ixodidae). 2 p. (TT 64-15612) Transl. 15176
Translation from Entomologicheskoe Obozrenie 31(1/2):121-122. 1950.
CFSTI: \$1.10.
- Coleoptera**
- 59047 ABDULLAH, M. The discovery of a third species of Protomeloe Abdullah (Col., Meloidae) in Brazil. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):31-33. Jan./Mar.1965. 421 En86
Protomeloe bicolor n. comb. transferred from Copobaenus.
- 59048 ABDULLAH, M., and ABDULLAH, A. Byturiidae and Biphylidae (Coleoptera), two primitive families of the Heteromera not the Clavicornia—a new interpretation of some old observations. Entomol. News [Philadelphia] 77(3):63-69. Ref. Mar.1966. 421 En88
- 59049 ALLEN, A. A. Cryphalus piceae Ratz. (Col., Scolytidae); a correction, and notes on its separation from C. abietis Ratz. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):47-48. Jan./Mar.1965. 421 En86
- 59050 ALLEN, A. A. Necrodes littoralis L. (Col., Silphidae) in Cossus exudations; with remarks on the present-day incidence of this and some allied species. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):51. Jan./Mar.1965. 421 En86
- 59051 ALLEN, A. A. A note on the foodplants of Liophloeus tessulatus Mull. (Col., Curculionidae). Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):41. Jan./Mar.1965. 421 En86
- 59052 ALLEN, A. A. A note on the incidence, etc., of Platyderus ruficollis Marsh. (Col., Carabidae), especially in the London area. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):44. Jan./Mar.1965. 421 En86
- 59053 ALLEN, A. A. Is Onthophagus nutans F. (Col., Scarabaeidae) still taken in Britain? Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):30. Jan./Mar.1965. 421 En86
- 59054 ALLEN, A. A. The rarer Sternoxia (Col.) of Windsor Forest. Entomol. Rec. J. Variation 78(1):14-23. Ref. Jan.1966. 421 En89
- 59055 ALLEN, A. A. Sitona puberulus Reitt. (Col., Curculionidae) in Ireland and the Isle of Arran, and a comment on the British status of S. cinerascens Fahr. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):19. Jan./Mar.1965. 421 En86
- 59056 ALLEN, A. A. Triplax lacordairei Crotch (Col., Erotylidae) in Dorset and Worcs., with brief remarks on the other British species. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):46-47. Jan./Mar.1965. 421 En86
- 59057 ALLEN, A. A. Trypandron signatum F. (Col., Scolytidae) in Scotland, Wales, Hereford and Devon. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):24. Jan./Mar.1965. 421 En86
- 59058 ALLRED, D. M., and BECK, D. E. A list of Scarabaeidae beetles of the Nevada test site. Great Basin Natur. 25(3/4):77-79. Dec.31,1965. 410 G79
- 59059 ANDRES, L. A. Host specificity studies of Phrydiuchus topiarius and Phrydiuchus sp. J. Econ. Entomol. 59(1):69-76. Ref. Feb.1966. 421 J822
In relation to biological control of Salvia aethiopis, a range weed.
- 59060 ANGUS, R. B. Aeletes atomarius (Aube) and other Histeridae (Col.) in Blenheim Park, Oxfordshire. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):17. Jan./Mar.1965. 421 En86
- 59061 ANGUS, R. B. Further Coleoptera from Cumberland, Westmorland the the northern part of Lancashire. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):4-8. Jan./Mar.1965. 421 En86
- 59062 ANGUS, R. B. Further notes on northern Scottish Coleoptera. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):9-12. Jan./Mar.1965. 421 En86
- 59063 BYRNE, H. D. An improved method for storage of the alfalfa weevil [Hypera postica] in the laboratory. J. Econ. Entomol. 58(6):1161. Dec.1965. 421 J822
- 59064 MARTINS, U. R. Genus Crotchida Fowler, 1886 (Coleoptera, Languriidae). II. (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 18:39-46. 1965. 410.9 Sa63
English summary.
Includes n. spp.
- 59065 ANGALET, G. W., and ANDRES, L. A. Parasites of two weevils, Microlarinus lareynii and M. lypriformis, that feed on the puncture vine, Tribulus terrestris L. J. Econ. Entomol. 58(6):1167-1168. Dec.1965. 421 J822
Hymenopterous parasites.
- 59066 ANGUS, R. B. Helophorus dorsalis (Marsh.) (Col. Hydrophilidae) and Mycetoporus longicornis Makl. (Col., Staphylinidae) in West Gloucestershire. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):51. Jan./Mar.1965. 421 En86
- 59067 ANGUS, R. B. Some new records of Coleoptera from Pembrokeshire. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):12-13. Jan./Mar.1965. 421 En86
- 59068 BALTHASAR, V. Contribution to the knowledge of the Scarabaeoidea, Coleoptera. 116. Revision of the genus Lorditomaes Per. (Ge) Rev. Zool. Bot. Afr. 72(1/2):173-192. (Cont.) Sept.30,1965. 410 R326
Includes n. spp.
- 59069 BALTHASAR, V. Revision of the genus Lorditomaes Per.; 116th contribution to the knowledge of the Scarabaeoidea, Coleoptera. (Ge) Rev. Zool. Bot. Afr. 72(3/4):193-213. Dec.30, 1965. 410 R326
Includes n. spp.
- 59070 BANNISTER, R. T. Lathridius bifasciatus Reitt. and other Coleoptera in a Cornish marsh. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):15. Jan./Mar.1965. 421 En86
- 59071 BARRERA, A., and MACHADO-ALLISON, C. E. Coleopterous ectoparasites of mammals (Scarabaeidae, Leptinidae, and Staphylinidae). (Sp) Ciencia 23(5):201-208. Ref. Jan.20,1965. 475 C48
English summary.
- 59072 BASILEWSKY, P. Studies of the Chlaeniinae of Africa. VII. (Coleoptera, Carabidae). (Fr) Rev. Zool. Bot. Afr. 72(3/4):214-224. Dec.30,1965. 410 R326
Includes Eudinodes, n. g., Prochlaeniellus n. g., Wilmerstus n. g., Afrochlaenius n. g., Paracallistoides n. g., Callistodontus n. g., and Grundmannius n. g.
- 59073 BIELAWSKI, R. On certain species of the genus Henosepilachna Li (Coleoptera, Coccinellidae) from New Ireland. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(4):227-230. 1965. 512 W262
Includes n. sp.
- 59074 BIELAWSKI, R. A review of the Philippine species of the genus Henosepilachna Li et Cook (Coleoptera, Coccinellidae). Pol. Pismo Entomol. 35(2):535-553. Ref. 1965. 421 P76
Includes n. sp.

- 59075 BLAZEJEWSKI, F. Comparative morphological investigations on the aedeagi of the central European Meligethini (Col., Nitidulidae). (Ge) Pol. Pismo Entomol. 35(2):267-390. Ref. 1965. 421 P76
- 59076 BLAZEJEWSKI, F. Remarks on wing development in the Meligethini (Col., Nitidulidae). (Ge) Pol. Pismo Entomol. 35(2):391-401. Ref. 1965. 421 P76
- 59077 BONGERS, W. External factors in the host plant selection of the Colorado beetle. Int. Symp. Crop Protect. [Pap.], 17th Symp.:102. 1965. 464.9 In834
Leptinotarsa decemlineata.
- 59078 BREUNING, S. New Cerambycidae form the collection of the Zoological Museum of the Humboldt University in Berlin [Berlin. Humboldt Universität Zoologisches Museum] (Coleoptera). V. (Ge) Berlin. Zool. Mus. Mitt. 41 (2):177-182. 1965. 410.9 B45
Includes n. spp. in Frea (Crossotofrea), Sybra, Neonitocris, Syrrhopoeus, Cacia, Pterolophia, and Pareplysta.
- 59079 BROERSMA, D. B., and HAYS, S. B. Improved methods for mass rearing plum curculio, Conotrachelus nenuphar. J. Econ. Entomol. 59(1):235-236. Feb. 1966. 421 J822
- 59080 CARVALHO, L. DE. Contribution to the monographic study of the Paussinae. 13. Revision of the genus Heteropaussus Thomson (Coleoptera, Carabidae). (Fr) Rev. Zool. Bot. Afr. 72(1/2):41-71. Sept. 30, 1965. 410 R326
Includes Heteropaussus kiviensis n. sp.
- 59081 CERMAKOVA, A. Biochemical changes during the development of the Colorado beetle (Leptinotarsa decemlineata Say). 5 p. Transl. 14390
Translation from Ceskoslovenska Akademie Zemedelskych Ved. Sbornik. Rostlinna Vyroba 3(10):1055-1058. 1957.
- 59082 COOMBS, C. W., and WOODROFFE, G. E. Some factors affecting the longevity and oviposition of *Ptinus tectus* Boieldieu (Coleoptera, Ptinidae) which have relevance to succession among grain beetles. J. Stored Prod. Res. 1 (2):111-127. Ref. Nov. 1965. 421 J829
- 59083 COTHRAN, W. R., and GYRISCO, G. G. An entomogenous fungus observed attacking alfalfa weevil adults in New York. J. Econ. Entomol. 59(1):243-244. Feb. 1966. 421 J822
Beauveria bassiana attacking *Hypera postica*.
- 59084 COTHRAN, W. R., and GYRISCO, G. G. A modified photoperiod control device. J. Econ. Entomol. 59(1):236-238. Feb. 1966. 421 J822
Studied on *Hypera postica*.
- 59085 DAWSON, P. S. Serrate a sex-linked recessive gene in the flour beetle, *Tribolium castaneum*. Can. J. Genet. Cytol. 7(4):559-562. Ref. Dec. 1965. 443.8 C16
- 59086 DELACHAMBRE, J. Squelette et musculature cephaliques de la larve de *Limnius volkmari* Panz. (Col. Elminthidae) [Skeleton and cephalic musculature of larva of *Limnius volkmari* Panz (Coleoptera, Elminthidae)]. Dijon. Univ. Lab. Zool. Trav. 65, 54 p. Ref. 1965. 410.9 D56
- 59087 DESAI, R. N. Chromosome cycle in the gregarine *Stylocephalus elongatus* Devdhar. Naturwissenschaften 52(23):649. Dec. 1, 1965. 474 N213
Often found in the beetle *Gonocephalum hoffmanseggii*.
- 59088 DINTHER, J. B. M. VAN. Egg-consumption by *Bembidion ustulatum* and *B. lampros* (fam. Carabidae) in laboratory prey-density experiments with housefly eggs. Int. Symp. Crop Protect. [Pap.], 17th Symp.:103. 1965. 464.9 In834
- 59089 DYSART, R. J., and PUTTLER, B. The alfalfa weevil [*Hypera postica*] parasite *Bathyplectes curculionis* in Illinois and notes on its dispersal. J. Econ. Entomol. 58(6):1154-1155. Dec. 1965. 421 J822
- 59090 EASTON, A. M. Coleoptera of flood refuse from Montgomeryshire. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):45-46. Jan./Mar. 1965. 421 En86
- 59091 EASTON, A. M. A further record of *Dasytes niger* (L.) (Col., Dasytidae) in Hampshire, South. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):30. Jan./Mar. 1965. 421 En86
- 59092 ERDMAN, H. E. X-radiation and temperature modification of reproductive performance of single-species and mixed-species cultures of *Tribolium confusum* and *Tribolium castaneum*. Physiol. Zool. 39(2):160-170. Ref. Apr. 1966. 410 P56
- 59093 FINGER, A., HELLER, D., and SHULOV, A. Olfactory response of the khapra beetle (*Trogoderma granarium* Everts.) larva to factors from larvae of the same species. Ecology 46(4):542-544. Early summer 1965. 410 Ec7
- 59094 FREUDE, H., HARDE, K. W., and LOHSE, G. A. Die Käfer Mitteleuropas. Band 1. Einführung in die Käferkunde [The Beetles of Central Europe. Volume 1. Introduction to the beetles]. Krefeld, Goecke & Evers, 1965. 214 p. 427 F89
Includes biology, collecting, and preserving equipment and methods.
- 59095 FREUDE, H., HARDE, K. W., and LOHSE, G. A. Die Käfer Mitteleuropas. Band 4. Staphylinidae I (Micropeplinae bis Tachyporinae) [The beetles of central Europe. Volume 4. Staphylinidae I (Micropeplinae through Tachyporinae)]. Krefeld, Goecke & Evers, 1965. 264 p. 427 F89
- 59096 GAST, R. T. Oviposition and fecundity of boll weevils in mass-rearing laboratory cultures. J. Econ. Entomol. 59(1):173-176. Feb. 1966. 421 J822
Anthonomus grandis.
- 59097 GAST, R. T. A spray technique for implanting boll weevil eggs on artificial diets. J. Econ. Entomol. 59(1):239-240. Feb. 1966. 421 J822
Anthonomus grandis.
- 59098 GRIMES, W. H. The Coccinellidae (Coleoptera) of Alabama. Diss. Abs. 26(3):1836. Sept. 1965. 241.8 M58
Taxonomic.
- 59099 HAFEEZ, M. A. M. A., and CHAPMAN, G. Effects of temperature and high relative humidity on the rate of development and mortality of *Latheticus oryzae* Waterhouse (Coleoptera, Tenebrionidae). J. Stored Prod. Res. 1(3):235-242. Feb. 1966. 421 J829
- 59100 HAFEEZ, M. A. M. A. The effect of light on the life cycle of *Latheticus oryzae* Waterhouse (Coleoptera, Tenebrionidae). J. Stored Prod. Res. 1(3):243-246. Ref. Feb. 1966. 421 J829
- 59101 HARDEE, D. D., and others. A laboratory technique for bioassay of plant attractants for the boll weevil. J. Econ. Entomol. 59(1):240-241. Feb. 1966. 421 J822
E. B. Mitchell, P. M. Huddleston, and T. B. Davich, joint authors.
Anthonomus grandis.
- 59102 HART, R. A. Hemolymph proteins as taxonomic characters in beetles (Coleoptera). Diss. Abs. 26(3):1836. Sept. 1965. 241.8 M58
- 59103 HENSON, W. R. Changes in elytral pattern distribution in *Chrysomela aeneicollis* Schaeffer (Coleoptera, Chrysomelidae). Can. Field-Natur. 79(4):257-260. Oct./Dec. 1965. 410.9 Ot8
- 59104 HOLFORD, N. A. *Aleuonota gracilentia* (Er.) (Col., Staphylinidae) taken in the Portsmouth District. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):41. Jan./Mar. 1965. 421 En86
- 59105 HOSSEINE, S. O. Studies on the biology and life histories of aquatic beetles of the genus *Tropisternus* (Coleoptera; Hydrophilidae). Diss. Abs. 26(8):4903. Feb. 1966. 241.8 M58

- 59106 INOUE, N., and LERNER, I. M. Competition between *Tribolium* species [*T. castaneum* and *T. confusum*] (Coleoptera, Tenebrionidae) on several diets. *J. Stored Prod. Res.* 1(2):185-191. Nov. 1965. 421 J829
- 59107 JOHN, H. New species of *Aphanocephalus* Woll. (Coleoptera, Discolomidae). (Ge) *Rev. Zool. Bot. Afr.* 72(3/4):289-301. Dec. 30, 1965. 410 R326
- 59108 JOHNSON, G. R. Recombination differences with reciprocal crosses in *Tribolium castaneum*. *Genetics* 53(1):111-115. Jan. 1966. 442.8 G28
- 59109 KAKULIYA, G. A., and VEREMCHUK, G. V. New nematode species, *Neoalectana georgica* (Nematodes, Steinernematidae) found on June chafer [*Amphimallon solstitialis*]. (Rus) *Akad. Nauk Gruz. SSR. Soobshch.* 40(3):713-718. Dec. 1965. 511 Ak146
- 59110 KALRA, A. N., and SHARMA, N. C. *Heteronychus robustus* Arrow., a new beetle pest of sugarcane. *Indian Sugar [Calcutta]* 15(9):613. Dec. 1965. 65.8 In26
- 59111 KIMOTO, S. The Chrysomelidae of Japan and the Ryukyu Islands. X-XI. *Kyushu Univ. Fac. Agr. J.* 13(4):601-671. Feb. 1966. 107.6 K995
Bibliography, p. 658-671.
Includes n. sp. in *Luperomorphia* and *Phyllotreta*.
- 59112 KISTNER, D. H., and SHOWER, J. A. A new genus and species of *Euaesthetinae* from Madagascar (Coleoptera; Staphylinidae). *Rev. Zool. Bot. Afr.* 72(3/4):316-321. Dec. 30, 1965. 410 R326
New spp. in *Coiffaitia* n. g.
- 59113 LANE, C., and ROTHSCCHILD, M. A case of Mullerian mimicry of sound. *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 40(10/12):156-158. Dec. 31, 1965. 420 L84Pa
Necrophorus investigator compared with *Bombus*.
- 59114 LEWIS, J. G. E. Seasonal fluctuations in the riverain invertebrate fauna of the Blue Nile near Khartoum. *J. Zool.* 148(1):1-14. Jan. 1966. 410.9 L84P
Beetles of the genus *Tachys*, spiders of the genus *Pardosa* and the earwig *Labidura*.
- 59115 LINSLEY, E. G., and CHEMSAK, J. A. *Cerambycidae* of the Galapagos Islands. *Calif. Acad. Sci. Proc. (ser. 4)* 33(8):197-235. Ref. Jan. 31, 1966. 500 C12P
Includes *Nesozineus* n. g. and n. spp. in *Nesoeme* and *Desmiphora*.
- 59116 LLOYD, E. P., and MERKL, M. E. A field-cage study of population dynamics of the boll weevil. *J. Econ. Entomol.* 59(1):83-86. Feb. 1966. 421 J822
Anthonomus grandis.
- 59117 MAGIS, N. On Palearctic malacoderms. 35. (Fr) *Gembloux. Inst. Agron. Bull.* 33(3):381-387. Ref. 1965. 105.1 G285
- 59118 MAISNER, N. The morphology and biology of some curculionids injurious to willow: *Lepyrus palustris* Scop. (Col. Curculionidae). (Ge) *Z. Angew. Entomol.* 56(3):239-254. Oct. 1965. 421 Z36
- 59119 MAKI, T., KURIHARA, M., and ANDO, Y. On the reversibility of the ovarian development of the lady beetle, *Epilachna vigintioctomaculata* Motschulsky, by the photoperiodic effects. (Ja) *Iwate Univ. Fac. Agr. J.* 7(1):7-17. Ref. Dec. 1964. 107.6 Iw93
English summary.
- 59120 MARTINEZ, A. Geniatini nuevos o poco conocidos (Col. Scarab. Rutelinae); 7^a contribution [New or little known Geniatini (Col. Scarab. Rutelinae); 7th contribution]. Buenos Aires. *Mus. Argent. Cienc. Natur. "Bernardino Rivadavia."* *Comunicaciones, Entomol.* 1(1), 18 p. 1964. 420 B862
Includes n. spp. in *Mimogeniates* n. g., and *Leucothyreus*.
- 59121 MASSEY, C. L. The genus *Mikoletzkyia* (Nematoda) in the United States. *Helminthol. Soc. Wash. Proc.* 33(1):13-19. Jan. 1966. 436.9 H36
From bark beetles.
- 59122 MATTESON, J. W. Colonization and mass production of the false wireworm *Eleodes suturalis*. *J. Econ. Entomol.* 59(1):26-27. Feb. 1966. 421 J822
- 59123 MATTESON, J. W. Flotation technique for extracting eggs of *Diabrotica* spp. and other organisms from soil. *J. Econ. Entomol.* 59(1):223-224. Feb. 1966. 421 J822
Includes equipment.
- 59124 MCLAUGHLIN, R. E. Some relationships between the boll weevil, *Anthonomus grandis* Boheman, and *Mattesia grandis* McLaughlin (Protozoa: Neogregarinida). *J. Invertebrate Pathol.* 7(4):464-473. Dec. 1965. 421 J826
- 59125 MEDVEDEV, G. S. Types of oral apparatuses of Tenebrionidae of Turkmenia. 12 p. (TT 62-15642) *Transl.* 15377
Translation from *Zoologicheskii Zhurnal* 38(8):1214-1339. Aug. 1959.
Issued by CFSTI.
- 59126 MELTZER, J., and HELINSBERGEN, S. VAN. Experiments with neotene and isoprenoids on the Colorado potato beetle, *Leptinotarsa decemlineata* Say. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:107. 1965. 464.9 In834
- 59127 MERKER, E. The influence of the condition of the food upon the development of the insects. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:104. 1965. 464.9 In834
Bark beetles and osmotic conditions of the host plant.
- 59128 MITCHELL, E. R., and TAFT, H. M. Starvation method for obtaining diapausing boll weevils [*Anthonomus grandis*] able to survive the winter in hibernation. *J. Econ. Entomol.* 59(1):55-57. Feb. 1966. 421 J822
- 59129 MOORE, B. P. Australian larval Carabidae of the subfamilies Harpalinae, Licininae, Odacanthinae and Pentagonicinae (Coleoptera). *Linn. Soc. New S. Wales. Proc.* 90(2):157-163. 1965. 514 Sy2
- 59130 MOORE, H. B. Observations on the biology of *Xyletinus peltatus* (Harris) (Coleoptera: Anobiidae) with notes on morphology. *Diss. Abs.* 26(3):1840. Sept. 1965. 241.8 M58
- 59131 MORDUE, D. L., SITTNER, O. D., and HOLLINGSWORTH, J. P. Instrumentation and techniques for electroretinogram studies with insects. *Amer. Soc. Agr. Pap.* 302, 8 p. Ref. 1965. 290.9 Am32P
Tests with *Anthonomus grandis*.
- 59132 MUSHKAMBAROVA, M. G. Material on the Scarabaeidae (Coleoptera) fauna of the lower Murgab River. (Rus) In *Nasekomye nizovii Murgaba 1965:45-52.* 422.52 Ak122
Abstracted in *Ref. Zh. Biol.* 19(sect.E):11. Oct. 1965. 241.7 R25
- 59133 NAYLOR, A. F. Dispersal responses of female flour beetles, *Tribolium confusum*, to presence of larvae. *Ecology* 46(3):341-343. Spring 1965. 410 Ec7
- 59134 NEPESOVA, M. G. Fauna and ecology of the Tenebrionidae (Coleoptera) of the lower Murgab River. (Rus) In *Nasekomye nizovii Murgaba 1965:28-44.* 422.52 Ak122
Abstracted in *Ref. Zh. Biol.* 19(sect.E):13. Oct. 1965. 241.7 R25
- 59135 NETTLES, W. C., and BETZ, N. L. Surface sterilization of eggs of the boll weevil with cupric sulfate. *J. Econ. Entomol.* 59(1):239. Feb. 1966. 421 J822
To control microbial contamination of *Anthonomus grandis* eggs.
- 59136 NICHOLLS, C. F., and BERUBE, J. A. C. An expandable cage for feeding tests of coccinellid predators of aphids. *J. Econ. Entomol.* 58(6):1169-1170. Dec. 1965. 421 J822

- 59137 NICKLE, W. R. Note on the ovary, rachis, and spermatheca of an insect parasitic nematode, *Contortylenchus elongatus* Massey, 1960, Nickle, 1963. *Helminthol. Soc. Wash. Proc.* 33 (1):37-40. Jan.1966. 436.9 H36
Parasites of bark beetle.
- 59138 NONVEILLER, G., and others. Division of the larvae of cockchafer by the biotypes of various parts of its area of propagation (*Melolontha melolontha* L., *Scarabaeidae*, *Coleoptera*). (Se) *Arh. Poljoprivredne Nauk.* 18(62):63-81. Ref. 1965. 21.5 Y9
J. Stancic, P. Sisojevic, S. Salatic and K. Dobrivojevic, joint authors.
French summary.
- 59139 OMER-COOPER, J. Dytiscidae (*Coleoptera*) of Nyasaland and Southern Rhodesia. IX. Dytiscinae: Eretini, Hydaticini, Thermonectini. *Entomol. Soc. Southern Afr. J.* 28(1):92-106. Ref. Nov.1965. 420 En86
- 59140 PANTYUKHOV, G. A. The influence of temperature and humidity on the development of *Chilocorus renipustulatus* Scriba (*Coleoptera*, *Coccinellidae*). (Rus) *Akad. Nauk SSSR. Zool. Inst. Tr.* 36:70-85. Ref. 1965. 410.9 L543
- 59141 PEARCE, E. J. A Sussex record for *Bibloporus minutus* Raffray (Col., *Pselaphidae*). *Entomol. Mon. Mag.* 101(1208/1210,i.e.301/302):30. Jan./Mar.1965. 421 En86
- 59142 PETROVITZ, R. New Aphodiinae (*Coleoptera*, *Scarabaeidae*). (Ge) *Berlin. Zool. Mus. Mitt.* 41(2):161-176. 1965. 410.9 B45
Include n. spp. in *Aphodius*, *Rhyssemus*, *Odochilus*, *Saprosites*, *Euparia*, and *Ataenius*.
- 59143 PETROVITZ, R. Two new Glaresis species from East Africa (*Coleoptera*, *Scarabaeidae*, *Troginae*). (Ge) *Berlin. Zool. Mus. Mitt.* 41(2):157-159. 1965. 410.9 B45
Glaresis impressicollis and *G. methneri*.
- 59144 PIERRE, F. Contribution to the knowledge of the fauna of the Middle East (Missions of G. Remaudiere 1955 and 1959). II. *Coleoptera Tenebrionidae*. (Fr) *Vie Milieu* 15(4):1043-1055. Ref. 1964, pub.1965. 442.8 V67
Includes n. spp. in *Pachyscelis* and *Blaps*.
- 59145 QUENNEDEY, A. Contribution a la connaissance de quelques types larvaires de *Sphaeriidiinae* (Col. *Hydrophilidae*) [Contribution to the knowledge of some larval types of *Sphaeriidiinae* (*Coleoptera*, *Hydrophilidae*)]. *Dijon. Univ. Lab. Zool. Trav.* 66,56 p. 1965. 410.9 D56
- 59146 RIMANDO, L. C., COREY, R. A., and SUN, Y. P. Mass rearing of the western spotted cucumber beetle. *J. Econ. Entomol.* 59(1):230-231. Feb.1966. 421 J822
Diabrotica undecimpunctata undecimpunctata.
- 59147 ROUSSEL, J. P. Studies on the diapause of *Necrophorus fossor* Er. (Fr) *Soc. Zool. Franc. Bull.* 90(1):67-88. Ref. Oct.20,1965. 410.9 P214B
English summary.
- 59148 SANDERSON, M. W. *Phyllophaga saylori*, n. sp., from Nuevo Leon, Mexico (*Coleoptera*: *Scarabaeidae*). *Calif. Acad. Sci. Proc.* (ser.4) 31(20):559-562. Jan.15,1965. 500 C12P
- 59149 SAXOD, R. The biological cycles of four species of French *Gyrinidae*. (Fr) *Soc. Zool. France. Bull.* 90(1):155-163. Ref. Oct.20,1965. 410.9 P214B
- 59150 SAXOD, R. Larvae and nymphs of four species of French *Gyrinidae*. (Fr) *Soc. Zool. France. Bull.* 90(1):163-174. Oct.20,1965. 410.9 P214B
- 59151 SCHEDL, K. E. Scolytidae and Platypodidae from the Naturhistoriska Riksmuseum in Stockholm; 235th contribution to the morphology and systematics of Scolytoidea. (Ge) *Arkiv Zool.* (ser.2)18(1):17-31. 1965. 410.9 Sv22
Includes n. spp. in *Lepiceroides*, *Eidophelus*, *Xyleborus*, *Platypus* and *Diapus*.
- 59152 SCHEDL, K. E. South African bark and timber beetles. *Entomol. Soc. Southern Afr. J.* 28(1):110-116. Nov.1965. 420 En86
Includes n. spp. in *Strombophorus*, *Xyloctonus*, *Ctonoxylon*, *Hypocryphalus*, and *Lanurgus*.
- 59153 SCHEERPELTZ, O. Scientific results of the 1934 Swedish Expedition to India and Burma; *Coleoptera Staphylinidae* (except *Megalopsidiinae* et *Steninae*); fifth contribution to the knowledge of the Oriental *Staphylinidae*. (Ge) *Arkiv Zool.* (ser.2)17(2/4):93-371. 1965. 410.9 Sv22
Includes n. spp. in *Holosus*, *Lispinus*, *Eleusis*, *Priochirus*, *Megarthus*, *Anthobium*, *Omalium*, *Xerophygus*, *Oxytelopsis*, *Delopsis*, *Oxytelus*, *Osorius*, *Oxyporus*, *Palamimus*, *Paderus*, *Stilicoderus*, *Stilicoderopsis* n. g., *Pachymedon*, *Domene*, *Pseudobium*, *Metolinus*, *Xantholinus*, *Indoscitalinus*, *Liotesba* n. g., *Philonthus*, *Gabrius*, *Trachyphilonthus* n. g., *Hesperus*, *Thoracostrongylus*, *Eucibdelus*, *Rhyncocheilus*, *Naddia*, *Craspedomerus*, *Hesperoschema* n. g., *Hesperodes* n. g., *Hesperosoma* n. g., *Amaurochlamys* n. g., *Heterothops*, *Quedi*, *Acylophorus*, *Mycetoporus*, *Bolito-bius*, *Conosoma*, *Tachinus*, *Tachinoderus*, *Olophrinus*, *Coproporus*, *Oligota*, *Placusa*, *Phymatura*, *Falagria*, *Atheta* (*Lampratheta*) n. sgen., *Atheta* (*Pelmatheta*) n. sgen., *Astilbus*, *Platyastilbus* n. g., *Zyras*, *Pedinopleurus*, *Pterygatemelus* n. g., *Malaiseium* n. g., *Oxy-poda*, and *Aleochara*.
- 59154 SCHJOTZ-CHRISTENSEN, B. Biology and population studies of Carabidae of the coryne-phoretum. *Natur. Jutlandica* 11,245 p. Ref. 1965. 410 N2193
- 59155 SHAW, D. D. The inheritance of two mutations, "pearl" and "fuscous" in *Dermestes maculatus* De Geer (*Coleoptera*, *Dermestidae*). *J. Stored Prod. Res.* 1(3):261-265. Ref. Feb.1966. 421 J829
- 59156 SIEW, Y. C. The morphology and anatomy of the neuro-endocrine complex of *Galeruca tana-ceti* (L.) (*Coleoptera*: *Chrysomelidae*). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 40(10/12):152-155. Ref. Dec.31, 1965. 420 L84Pa
- 59157 SINHA, R. N. Development and mortality of *Tribolium castaneum* and *T. confusum* (*Coleoptera*: *Tenebrionidae*) on seed-born fungi. *Entomol. Soc. Amer. Ann.* 59(1):192-201. Ref. Jan.1966. 420 En82
- 59158 SODERSTROM, E. L., and WILBUR, D. A. Biological variations in three geographical populations of the rice weevil [*Sitophilus oryzae*] complex. *Kans. Entomol. Soc. J.* 39(1):32-41. Jan.1966. 420 K13
From Louisiana, Kansas, and *Sitophilus zeamais* from Arkansas.
- 59159 SOKOLOFF, A., HOY, M. A., and JOHNSON, G. R. Linkage studies in *Tribolium castaneum* (Herbst). XI. The map position of "platinum eye" and "spatulate." *J. Stored Prod. Res.* 1(3):255-260. Ref. Feb.1966. 421 J829
- 59160 SOKOLOFF, A. "Spatulate"—a new autosomal dominant with recessive lethal effects in *Tribolium castaneum* (Herbst) (*Coleoptera*, *Tenebrionidae*). *J. Stored Prod. Res.* 1(3):291-292. Feb.1966. 421 J829
- 59161 SPILMAN, T. J. *Ptinus variegatus* in Georgia and Kentucky (*Coleoptera*: *Ptinidae*). *Entomol. Soc. Wash. Proc.* 67(4):230. Dec.1965. 420 W27
- 59162 STANLEY, M. S. M., and GRUNDMANN, A. W. Effects of moisture on the chorion of eggs of *Tribolium confusum* (*Coleoptera*: *Tenebrionidae*). *Entomol. Soc. Amer. Ann.* 59(1):233-234. Jan.1966. 420 En82
- 59163 STARK, R. W., and BORDEN, J. H. Observations on mortality factors of the fir engraver beetle, *Scolytus ventralis* (*Coleoptera*: *Scolytidae*). *J. Econ. Entomol.* 58(6):1162-1163. Dec.1965. 421 J822

- 59164 STRANEO, S. L. Some Pterostichini (Coleoptera, Carabidae) recently entered in the collection of the Museum of Central Africa. (Fr) Rev. Zool. Bot. Afr. 72(3/4):355-365. Dec.30, 1965. 410 R326
Includes n. spp. in Abacetus, Teratotarsa, Wahlbergia and Cophosomorpha.
- 59165 STROJNOWSKI, R. Contribution to the knowledge of predators and parasites of Tetraps praeusta (L.) (Cerambycidae, Coleoptera). Pol. Pismo Entomol. 35(2):469-473. 1965. 421 P76
Hymenopterous parasites.
- 59166 SZUJECKI, A. Some remarks on the Palearctic species of Paederinae (Coleoptera Staphylinidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(2):83-85. 1965. 512 W262
- 59167 SZYMCAKOWSKI, W. On the systematics and distribution of some Catopidae (Coleoptera) of the Palearctic and Oriental Regions. (Ge) Pol. Pismo Entomol. 35(2):521-533. 1965. 421 P76
Includes Nargus beatus n. sp.
- 59168 TAKENOUCHI, Y. Chromosome survey in thirty-four species of bisexual and parthenogenetic weevils of Canada. Can. J. Genet. Cytol. 7(4):663-687. Ref. Dec.1965. 443.8 C16
Curculionidae.
- 59169 TAYLOR, N. W. A theoretical study of population in Tribolium confusum. Ecology 46(3):334-340. Spring 1965. 410 Ec7
Includes eating of eggs by adults.
- 59170 TILTON, E. W., BURKHOLDER, W. E., and COGBURN, R. R. Mating competition of gamma-irradiated and nonirradiated male Trogoderma glabrum Herbst. J. Econ. Entomol. 59(1):168-169. Feb.1966. 421 J822
- 59171 TURNIPSEED, S. G., and RABB, R. L. Effects of temperature and moisture on survival of eggs of the tobacco wireworm [Conoderus vespertinus]. J. Econ. Entomol. 58(6):1155-1156. Dec.1965. 421 J822
- 59172 VAURIE, P. A revision of the Neotropical genus Metamasius (Coleoptera, Curculionidae, Rhynchophorinae). I and II. Amer. Mus. Natur. Hist. Bull. 131(3), 211 p., map. Ref. 1966. 500 N483B
Includes n. spp.
- 59173 VEREECKE, A., and PELERENTS, C. The influence of gamma rays on the longevity of Tribolium confusum Duval. Int. Symp. Crop Protect. [Pap.], 17th Symp.:119-120. 1965. 464.9 In834
- 59174 WARCHALOWSKI, A. The blue Longitarsus of Southeast Asia (Longitarsus Latr., Col., Chrysomelidae). (Fr) Pol. Pismo Entomol. 35(2):555-562, map. 1965. 421 P76
Includes n. sp.
- 59175 WATANABE, Y., and SHIBATA, Y. A revision of the genus Nudobius Thomson of Japan (Coleoptera; Staphylinidae). J. Agr. Sci. [Setagaya] 10(4):91-94. Mar.1965. 22.5 J824
- 59176 WERNER, F. G. A new genus of Anthicidae (Coleoptera) from Chile. Entomol. Soc. Amer. Ann. 59(1):222-226. Jan.1966. 420 En82
Chileanthicus n. g., and C. penai n. sp.
- 59177 WERNER, F. G. Notes on the South American species of Vacusus, with a new species and two new synonyms (Coleoptera: Anthicidae). Entomol. Soc. Amer. Ann. 59(1):218-222. Jan. 1966. 420 En82
Vacusus martinsi n. sp.
- 59178 WILLIAMS, S. A. Phloeosinus thujae (Perris) (Col., Scolytidae) on Clapham Common, London, S. W.4. Entomol. Mon. Mag. 101 (1208/1210, i.e.301/302):48. Jan./Mar.1965. 421 En86
- 59179 WILSON, M. C., and SHADE, R. E. Survival and development of larvae of the cereal leaf beetle, Oulema melanopa (Coleoptera: Chrysomelidae), on various species of Gramineae. Entomol. Soc. Amer. Ann. 59(1):170-173. Jan. 1966. 420 En82
- 59180 WOOD, D. L., and STARK, R. W. The effects of gamma radiation on the biology and behavior of adult Ips confusus (LeConte) (Coleoptera: Scolytidae). Can. Entomol. 98(1):1-10. Ref. Jan.1966. 421 C16
- 59181 YAKOVLEV, B. P., and VOLKOVA, I. P. Infestation of soil by the larvae of Melolontha in cutover forests of Karelia. (Rus) In Vozobnovl. lesa na vyrubkakh i vyrashch. seyantsev v pitomnikakh 1964:169-174. (Not in Libr.) Abstracted in Ref. Zh. Biol. 20(sect.E):16. Oct.1965. 241.7 R25
- 59182 YURCHENKO, G. I. Bioecology of European spruce beetle under conditions of northern Sikhote-Alin Range. (Rus) Dal'nevost. N.-I. In-t. Lesn. Kh.-va. Sb. Tr. 6:212-218. 1964. 99.9 D162
Dendroctonus micans.
Abstracted in Ref. Zh. Biol. 20(sect.E):19. Oct.1965. 241.7 R25
- 59183 ZAJCIW, D. Studies on the genus Ommata White, 1855. I. Ommata (Eclipta) of the tenuis group (Col., Cerambycidae, Rhinotragini). (Por) Rev. Brasil. Biol. 25(2):199-206. July 1965. 442.8 R326
English summary.
Includes n. spp.
- 59184 ZASLAVSKII, V. A., and BOGDANOVA, T. P. Some features of the imaginal diapause in two Chilocorus species (Coleoptera, Coccinellidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:89-95. Ref. 1965. 410.9 L543
Chilocorus bipustulatus and Chilocorus geminus.

Diptera

- 59185 ACKLAND, D. M. Pegomya dulcamarae Wood (Dipt., Anthomyiidae); a redescription, with notes on the puparium. Entomol. Mon. Mag. 101(1208/1210, i.e.301/302):21-24. Jan./Mar. 1965. 421 En86
- 59186 ADAMS, J. R., and FORGASH, A. J. The location of the contact chemoreceptors of the stable fly, Stomoxys calcitrans (Diptera: Muscidae). Entomol. Soc. Amer. Ann. 59(1):133-141. Ref. Jan.1966. 420 En82
- 59187 ADHAMI, U. M., and CRAIG, G. B. Predation of Bradysia coprophila (Lint.) (Diptera: Sciaridae) on mosquito larvae. Mosquito News 25(4):487-488. Dec.1965. 421 M85
- 59188 ALEXANDER, C. P. New exotic crane-flies (Tipulidae; Diptera). XII. Entomol. News [Philadelphia] 77(3):69-78. Mar.1966. 421 En88
New spp. in Epiphragma.
- 59189 ALEXANDER, C. P. Undescribed species of Nearctic Tipulidae (Diptera). VI. Great Basin Natur. 25(3/4):49-53. Dec.31,1965. 410 G79
New spp. in Tipula and Limonia.
- 59190 ALLEN, A. A. Pollenia vagabunda Meig. (Dipt., Calliphoridae) well established in Surrey. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):13. Jan./Mar.1965. 421 En86
- 59191 AMONKAR, S. V., and NAIR, K. K. Pathogenicity of Aspergillus flavus Link to Musca domestica nebulosa Fabricius. J. Invertebrate Pathol. 7(4):513-514. Dec.1965. 421 J826
- 59192 AMOSOVA, I. S. On the gonotrophic relations within the genus Culicoides (Diptera, Heleidae). 8 p. (TT 63-23593) Transl. 15838
Translation from Entomologicheskoe Obozrenie 38(4):774-789. 1959.
Issued by CFSTI.
- 59193 AUBER, J. Longitudinal growth of myofibrilla and the formation of new sarcomeres during the development of flight muscles of Calliphora erythrocephala (Mg.) (Insecta, Diptera). (Fr) Acad. Sci. Compt. Rend. 261(22):4845-4848. Nov.29,1965. 505 P21
- 59194 BATKO, A., and WEISER, J. On the taxonomic position of the fungus discovered by Strong, Wells, and Apple: Strongwellsea castrans gen. et sp. nov. (Phycomycetes; Entomophthoraceae). J. Invertebrate Pathol. 7(4):455-463. Ref. Dec.1965. 421 J826
Causes a disease in Hylemya cilicrura.

- 59195 BEARD, R. L., and WALTON, G. S. An *Aspergillus* [flavus var. *columnaris*] toxin lethal to larvae of the house fly. *J. Invertebrate Pathol.* 7(4):522-523. Dec.1965. 421 J826
- 59196 BECKER, G. Magnetic field orientation of *Diptera*. (Ge) *Z. Vergleichende Physiol.* 51(2): 135-150. Ref. Oct.18,1965. 444.8 Z3
English summary.
Musca domestica.
- 59197 BLAYLOCK, B. G. Chromosomal polymorphism in irradiated natural populations of *Chironomus* [tentans]. *Genetics* 53(1):131-136. Ref. Jan.1966. 442.8 G28
- 59198 BOWDEN, J. *Diptera* from Nepal: Bombyliidae. *Brit. Mus. (Natur. Hist.) Bull. Entomol.* 17(5): 203-208. 1965. 420 B773
Includes n. spp. in *Cyrtosia* and *Hemipenthes*.
- 59199 BOYES, J. W., and BRINK, J. M. VAN. Chromosomes of calyptrate *Diptera*. *Can. J. Genet. Cytol.* 7(4):537-550. Ref. Dec.1965. 443.8 C16
- 59200 BRINDLE, A. Taxonomic notes on the larvae of British *Diptera*. 23. The Geosarginae (Stratiomyidae). *Entomologist* [London] 98(1228): 208-216. Sept.1965. 421 En8
- 59201 BRUNDIN, L. On the real nature of Transantarctic relationships. *Evolution* 19(4):496-505. Ref. Dec.1965. 443.8 Ev62
Based on a study of the Chironomidae in the Southern Hemisphere.
- 59202 BURKHARDT, D., and STRECK, P. Field of vision of single visual cells; a correction. (Ge) *Z. Vergleichende Physiol.* 51(2):151-152. Oct.18,1965. 444.8 Z3
Calliphora erythrocephala.
- 59203 BURTON, G. J. A simple apparatus for obtaining emergence of large numbers of *Simulium* adults from non-immersed pupae. *Mosquito News* 25(4):485-486. Dec.1965. 421 M85
- 59204 CALLOT, J., and others. Contribution to the study of *Ceratopogonidae* (*Diptera*) from Kumba (Cameroon); description of *Culicoides kumbaensis* n. sp. (Fr) *Soc. Pathol. Exot. Bull.* 58(3):536-548. Ref. May/June 1965. 448.9 So13
M. Kremer, J. Mouchet, and A. Bach, joint authors.
English summary.
- 59205 CARRERA, M., and PAPAVERO, N. Genera *Pritchardia* Stuardo, *Alyssomyia* Hull and *Hyphenetes* Loew (*Diptera*, *Asilidae*). (Por) *Sao Paulo. Dep. Zool. Papeis Avulsos* 18:47-55. Ref. 1965. 410.9 Sa63
English summary.
Includes n. spp. in *Pritchardia* and *Alyssomyia*.
- 59206 CHAUDONNET, J. The clypeus, labrum, and cibarial bar of *Culex* larvae (nematocerous *Diptera*): their morphological significance. (Fr) *Ann. Sci. Natur. Zool. Biol. Anim.* (ser.12)7(4):743-766. Ref. Oct./Dec.1965. 410 An7
- 59207 CHEEMA, M. A. Taxonomic study of fruit flies of *Lyallpur* belonging to genus *Dacus*. *Pakistan J. Sci.* 16(5/6):299-306. Sept./Nov.1964. 475 P172
- 59208 CLEVER, U. Puffing changes in incubated and in ecdysone treated *Chironomus tentans* salivary glands. *Chromosoma* 17(4):309-322. Ref. 1965. 442.8 C46
Chromosomes.
- 59209 COFFEY, M. D. Studies on the association of flies (*Diptera*) with dung in southeastern Washington. *Entomol. Soc. Amer. Ann.* 59(1):207-218. Ref. Jan.1966. 420 En82
- 59210 COLLESS, D. H. An extraordinary Australian cecidomyiid, possibly related to the *Nymphomyiidae* (*Diptera*, *Nematocera*). *Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom.* 34(11/12):145-149. Dec.31,1965. 420 L84Pb
Ipomyia bornemisszai n. g., n. sp.
- 59211 COLLIN, J. E. *Nematoproctus distendens* Mg. (1824), a genus and species of *Dolichopodidae* not at present in the list of British *Diptera*. *Entomol. Mon. Mag.* 101(1208/1210, i.e. 301/302):20. Jan./Mar.1965. 421 En86
- 59212 DAVIES, J. B. Three techniques for labeling *Culicoides* (*Diptera*: *Heleidae*) with radioactive tracers both in the laboratory and in the field. *Mosquito News* 25(4):419-422. Dec.1965. 421 M85
Culicoides furens and *C. barbosai* with P³².
- 59213 DRABER-MONKO, A. A new species of the genus *Graphogaster* Rond. (*Diptera*, *Larvaevoridae*) from Mongolia. (Ge) *Pol. Pismo Entomol.* 35(2):475-482. Ref. 1965. 421 P76
Graphogaster bohmani n. sp.
- 59214 DRASKOVITS, A. *Anthomyiinae* trapped by light. (Hu) *Rovartani Kozlemenyek* (n.s.)18(1/17):77-84. 1965. 420 So12
German summary.
- 59215 DRASKOVITS, A. First local finding of *Milichiella argyrogaster* (*Diptera*: *Milichiidae*). (Hu) *Rovartani Kozlemenyek* (n.s.)18(1/17): 297-298. 1965. 420 So12
- 59216 DRASKOVITS, A. New data concerning native *Phyllomyza* (*Diptera*: *Milichiidae*). (Hu) *Rovartani Kozlemenyek* (n.s.)18(1/17):299-300. 1965. 420 So12
- 59217 DUCKHOUSE, D. A. *Psychodidae* (*Diptera*, *Nematocera*) of southern Australia, subfamilies *Bruchomyiinae* and *Trichomyiinae*. *Roy. Entomol. Soc. London. Trans.* 117(11):329-343. Ref. Dec.10,1965. 420 L84
Includes n. spp. in *Trichomyia* and *Sycorax*.
- 59218 EADS, R. B., TREVINO, H. A., and CAMPOS, E. G. Additional records of *Phlebotomus texanus* (*Diptera*: *Psychodidae*). *Entomol. Soc. Wash. Proc.* 67(4):251-252. Dec.1965. 420 W27
Texas.
- 59219 FLETCHER, L. W., and others. A pheromone from male screw-worm [*Cochliomyia hominivorax*] flies. *J. Econ. Entomol.* 59(1):142-143. Feb.1966. 421 J822
J. J. O'Grady, H. V. Claborn, and O. H. Graham, joint authors.
- 59220 FLINT, H. M. The effects of gamma radiation on mating competitiveness and fecundity of *Hippelates pusio* Loew. *J. Econ. Entomol.* 59(1):96-99. Ref. Feb.1966. 421 J822
- 59221 FREEMAN, B. A. Notes on conopid flies, including insect host, plant and phoretic relationships (*Diptera*: *Conopidae*). *Kans. Entomol. Soc. J.* 39(1):123-131. Ref. Jan.1966. 420 K13
- 59222 GLUCHOVA, V. M. On the gonotrophical cycle of the midges of genus *Culicoides* (*Diptera*, *Heleidae*) of the Karelian ASSR. 11 p. (TT 63-23594) *Transl.* 15046
Translation from *Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik* 18:239-254. 1958.
Issued by CFSTI.
- 59223 GRENIER, P., GERMAIN, M., and MOUCHET, J. Description of a new *Simulium* (*Simulium leberrei* n. sp.) from western Cameroon. (Fr) *Soc. Pathol. Exot. Bull.* 58(3):549-553. May/June 1965. 448.9 So13
English summary.
- 59224 GREVE, J. E. VAN S. *Blaesoxipha filipjevi* (Rhod.) (*Diptera*: *Calliphoridae*) parasitizing hoppers of the brown locust, *Locustana pardalina* (Walker). *Entomol. Soc. Southern Afr. J.* 28(1):133. Nov.1965. 420 En86
- 59225 GUDZHABIDZE, M. G. Species of flesh flies (*Diptera*, *Sarcophagidae*) little known to USSR fauna from Georgian SSR. (Rus) *Akad. Nauk Gruz. SSR. Soobshch.* 39(1):179-182. July 1965. 511 Ak146
- 59226 HAMDORF, K., and KASCHEF, A. H. Eye adaptation of fly. (Ge) *Z. Vergleichende Physiol.* 51(2):67-95. Ref. Oct.18,1965. 444.8 Z3
English summary.
Calliphora erythrocephala.

- 59227 HAMDORF, K., and LANGER, H. Variation in light absorption in the compound eyes upon exposure. (Ge) Z. Vergleichende Physiol. 51(3): 172-184. Ref. 1965. 444.8 Z3
English summary.
Of *Calliphora erythrocephala*.
- 59228 HARROD, J. J. Effect of current speed on the cephalic fans of the larva of *Simulium ornatum* var. *nitidifrons* Edwards (Diptera, Simuliidae). *Hydrobiologia* 26(1/2):8-12. Aug. 16, 1965. 410 H992
- 59229 HINTON, H. E. The spiracular gill of the fly *Orimargula australiensis* and its relation to those of other insects. *Australian J. Zool.* 13(5):783-800. Ref. Dec. 1965. 410 Au73
- 59230 HOYER, R. F. Some new mutants of the fly, *Musca domestica*, with notations of related phenomena. *J. Econ. Entomol.* 59(1):133-137. Ref. Feb. 1966. 421 J822
- 59231 HSIAO, T. H., and HOLDAWAY, F. G. Seasonal history and host synchronization of *Lydella grisescens* (Diptera: Tachinidae) in Minnesota. *Entomol. Soc. Amer. Ann.* 59(1):125-133. Ref. Jan. 1966. 420 En82
Ostrinia nubilalis, primary host, and Papaipema nebris, alternate host.
- 59232 JAMES, M. T. A new genus of pachygasterine Stratiomyidae reared from cactus [*Opuntia* sp.] (Diptera). *Kans. Entomol. Soc. J.* 39(1):109-112. Jan. 1966. 420 K13
Cactobia opuntiae n. g., n. sp.
- 59233 KARAPET'YAN, A. B., and others. Epidemiological features and prophylaxis against cutaneous leishmaniasis in Ashkhabad. (Rus) *Zdravookhranenie Turkmenistana* 9:35-39. 1964. (Not in Libr.)
T. N. Remyannikova, G. A. Babayants, and L. N. Cherepova, joint authors.
Leishmaniasis in rodents and man with vectors *Phlebotomus caucasicus*, *Ph. papatasi*, and *Sergentomyia arpaklensis* (Diptera).
Abstracted in Ref. *Zh. Biol.* 19(sect.K):6. Oct. 1965. 241.7 R25
- 59234 KESSEL, E. L. Microsania as prey for *Homopeza* (Diptera: Platypezidae and Empididae). *Wasmann J. Biol.* 23(1/2):225-226. Spring/Fall 1965. 442.8 W28
- 59235 KESSEL, E. L. Symmetricella, a new genus of Platypezidae from Peru (Diptera). *Wasmann J. Biol.* 23(1/2):235-239. Spring/Fall 1965. 442.8 W28
Includes *Symmetricella fumapex* n. sp.
- 59236 KEYL, H. G. Duplication of subunits of chromosomal DNA during the evolution of *Chironomus thummi*. (Ge) *Chromosoma* 17(2):138-180. Ref. 1965. 442.8 C46
English summary.
- 59237 KHALAF, K. T. Gynandromorphism in *Culicoides hollensis*. *Mosquito News* 25(4):484-485. Dec. 1965. 421 M85
- 59238 KIKHADZE, I. I., and FILATOVA, I. T. Variations of RNA in giant chromosomes of *Chironomus dorsalis* during metamorphosis and experimental effects. 7 p. Ref. (JPRS 22,666; OTS 64-21245) Transl. 14171
Translation from *Akademiya Nauk SSSR. Doklady* 152(2):450-453. 1963.
CFSTI: \$.50.
- 59239 KOVALEV, O. V. Biocoenotic relations of gall-forming insects in formations of southern Ussuri vegetation. (Rus) *Vses. Entomol. Obshchest. Chteniya pamyati Nikolaya Aleksandrovicha Kholodkovskogo* 16-17:66-97. Ref. 1963/64, pub. 1965. 420 V96
Chiefly gall midges and gall wasps; includes food plants.
Abstracted in Ref. *Zh. Biol.* 19(sect.E):19 Oct. 1965. 241.7 R25
- 59240 KOVALEV, O. V. Biocoenotic relations of gall insects in plant formations of southern Ussuri area. (Rus) *Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo* 16/17:66-97. Ref. 1965. 420 V96
Itonididae and Cynipidae.
- 59241 LANGER, H. Determination of dichroic absorption of the visual pigments in the rhabdomeres of insect eye. (Ge) Z. Vergleichende Physiol. 51(3):258-263. Ref. 1965. 444.8 Z3
English summary.
Calliphora erythrocephala
- 59242 LECLERCQ, M. Tabanidae (Diptera) of the Neotropical Region. (Fr) *Gembloux. Inst. Agron. Bull.* 33(3):377-380. 1965. 105.1 G285
A list.
- 59243 LEGNER, E. F., BAY, E. C., and FARR, T. H. Parasitic and predacious agents affecting the *Hippelates pusio* complex in Jamaica and Trinidad. *Can. Entomol.* 98(1):28-33. Ref. Jan. 1966. 421 C16
- 59244 LEONIDE, J. Contribution to the biological study of the sarcophagid Diptera parasites of the acridians: biological cycle of *Blaesoxipha unguata* (Pandelle). (Fr) *Acad. Sci. Compt. Rend.* 261(23):5199-5202. Dec. 8, 1965. 505 P21
- 59245 LINLEY, J. R. Techniques for obtaining viable eggs of *Leptoconops bequaerti* Kieffer, *Culicoides furens* Poey, and *Culicoides barbosa* Wirth and Blanton, (Diptera: Ceratopogonidae). *Mosquito News* 25(4):452-456. Dec. 1965. 421 M85
- 59246 LLOYD, G. D., and PHILIP, C. B. The "wingless" fly, *Carnus hemapterus* Nitsch (Milichiidae), on hawk fledglings in northern Utah. *J. Parasitol.* 52(2):414. Apr. 1966. 448.8 J824
- 59247 LOVE, J. A., and GILL, G. D. Incidence of coliforms and enterococci in field populations of *Stomoxys calcitrans* (Linnaeus). *J. Invertebrate Pathol.* 7(4):430-436. Ref. Dec. 1965. 421 J826
Includes *Escherichia coli*.
- 59248 MAKIELSKI, S. K. The structure and maturation of the spermatozoa of *Sciara coprophila*. *J. Morphol.* 118(1):11-41. Ref. Jan. 1966. 444.8 J826
- 59249 MERIMEN, G. T. Resistance of poikilothermic flies to the near freezing temperature. (Rus) *In Kletka i temperatura sredy* 1964:81-85. (Not in Libr.)
Cephus cinctus and *Eurosta solidaginis*.
Abstracted in Ref. *Zh. Biol.* 21(sect.D):2. Nov. 1965. 241.7 R25
- 59250 MKOLAJCZYK, W. *Brachypeza obscura* Winn.—a rare, new to the Polish fauna, species of Fungivoridae (Diptera). *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(2):91-94. 1965. 512 W262
- 59251 MINAR, J. Tabanidae, Ceratopogonidae, Simuliidae from the Lipno water reservoir. (Cz) *Cesk. Parazitol.* 12:197-206. Ref. 1965. 436.8 C33
English summary.
- 59252 MORGAN, N. O., and SCHMIDT, C. D. The pH tolerance of horn fly larvae. *J. Econ. Entomol.* 59(1):222-223. Feb. 1966. 421 J822
Haematobia irritans.
- 59253 MORSY, T. A., RIFAAT, M. A. Daily activity of some Egyptian *Culicoides*. *Arab Vet. Med. Ass. J.* 25(3):143-146. July/Sept. 1965. 41.9 Ar1
- 59254 MULLA, M. S. Oviposition and emergence period of the eye gnat *Hippelates collusor*. *J. Econ. Entomol.* 59(1):93-96. Feb. 1966. 421 J822
- 59255 NASH, R. R., and TOMBES, A. S. Evaluation of five artificial diets for the laboratory rearing of alfalfa weevil larvae. *J. Econ. Entomol.* 59(1):220-221. Feb. 1966. 421 J822
Hypera postica.
- 59256 NARTSHUK, E. P. A new species of *Oscinella* Becker from Yugoslavia (Dipt., Chloropidae). *Entomol. Mon. Mag.* 101(1208/1210, i.e. 301/302):18-19. Jan./Mar. 1965. 421 En86
Oscinella coei n. sp.
- 59257 NEILSON, W. T. A. Culturing of the apple maggot, *Rhagoletis pomonella*. *J. Econ. Entomol.* 58(6):1056-1057. Dec. 1965. 421 J822
In cages.

- 59258 PANELIUS, S. A revision of the European gall midges of the subfamily Porricondylineae (Diptera: Itonididae). *Acta Zool. Fenn.* 113, 157 p. Oct. 1965. 410.9 Ss18
Bibliography, p. 151-157.
Includes n. spp. in *Pachylabis* n. g., *Parasynapta* n. g., *Porricondyla*, *Parepidosis*, *Asynapta*, *Camptomyia*, and *Winnertzia*.
- 59259 PATAT, U. Pterin pattern of the faceted eyes of *Calliphora erythrocephala*; function and stability of pterins. (Ge) *Z. Vergleichende Physiol.* 51(2):103-134. Ref. Oct. 18, 1965. 444.8 Z3
English summary.
- 59260 PETERS, H. Contribution to the biology and ecology of synanthropic Diptera of a large city. II. The space-time distribution of the dominant Diptera in the city. 2. *Musca*. (Ge) *Angew. Parasitol.* 6(4):222-248, map. Ref. Nov. 1965. 436.8 An4
English summary.
- 59261 PROKOPY, R. J. Artificial oviposition devices for apple maggot. *J. Econ. Entomol.* 59(1):231-232. Feb. 1966. 421 J822
Rhagoletis pomonella.
- 59262 REISS, F. Chironomid studies. II. *Paratanytarsus dimorphus* n. sp., a seasonal dimorph chironomid (Diptera, Chironomidae). (Ge) *Arch. Hydrobiol.* 61(1):116-126. Ref. Feb. 1965. 410 Ar28
English summary.
- 59263 REISS, F. Chironomid studies. III. *Micropsectra praecox* Meig. and *Micropsectra contracta* n. sp. (Diptera, Chironomidae). (Ge) *Arch. Hydrobiol.* 61(2):228-241. Ref. Apr. 1965. 410 Ar28
English summary.
- 59264 ROBERTS, R. H. A technique for rearing the immature stages of *Tabanidae* (Diptera). *Entomol. News*, [Philadelphia] 77(3):79-82. Mar. 1966. 421 En88
- 59265 ROBERTSON, I. A. D. Notes on Diptera collected in Tanganyika. *Entomol. Soc. Southern Afr. J.* 28(1):80-91, map. Nov. 1965. 420 En86
- 59266 ROWELL, M. J. A sexual dimorphism in the proventriculus of adults of *Coelopa frigida* (Fabricius), with notes on a similar occurrence in *C. pilipes* (Haliday) (Diptera: Coelopidae). *Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol.* 40(10/12):169-173. Ref. Dec. 31, 1965. 420 L84Pa
- 59267 ROWLEY, W. A. The occurrence and bionomics of bloodsucking midges in the central Columbia Basin. *Diss. Abs.* 26(9):5608-5609. Mar. 1966. 241.8 M58
- 59268 ROZKOSNY, R., and ZUSKA, J. Species of the family *Sciomyzidae* (Diptera) new to central Europe and description of a new *Pherbellia* [*P. steyskali*] from Czechoslovakia. *Entomologist* [London] 98(1228):197-206, map. Sept. 1965. 421 En8
- 59269 SMITH, K. G. V. Diptera from Nepal: Empididae. *Brit. Mus. (Natur. Hist.) Bull. Entomol.* 17(2):61-112. Ref. 1965. 420 B773
Includes n. spp. in *Drapetis*, *Stilpon*, *Tachydromia*, *Hybos*, *Stenoproctus*, *Hilara*, *Hemerodromia*, *Chelipoda*, *Heleodromia*, *Dolichocephala*, *Hypenella*, *Acanthoclinocera*, *Trichoclinocera*, and *Clinocera*.
- 59270 SMITH, W. W. Additional new records of tree-hole *Culicoides* (Diptera: Ceratopogonidae) in northern Florida. *Mosquito News* 25(4):485-Dec. 1965. 421 M85
- 59271 SNODDY, E. L., and HAYS, K. L. A carbon dioxide trap for *Simuliidae* (Diptera). *J. Econ. Entomol.* 59(1):242-243. Feb. 1966. 421 J822
Light trap.
- 59272 SOKOLOVA, G. A. Material on the dynamics of populations and biomass of larvae of *Microtendipes* gr. *chloris* Mg. (Diptera, Tendipedidae) in *Elodea* thickets of Lake Baltym (Sverdlovsk Region). (Rus) *Sverdlovsk. Sverdlovskii Sel'skokhozyaistvenni Inst. Trudy* 12:418-485. 1965. 20 Sv2
Abstracted in *Ref. Zh. Biol.* 19(sect. E):19. Oct. 1965. 241.7 R25
- 59273 STOFFOLANO, J. G., and NICKLE, W. R. Nematode parasite (*Heterotylenchus* sp.) of face fly [*Musca autumnalis*] in New York State. *J. Econ. Entomol.* 59(1):221-222. Feb. 1966. 421 J822
- 59274 STOLTZFUS, W. B., and FOOTE, B. A. The use of froth masses in courtship of *Eutreta* (Diptera: Tephritidae). *Entomol. Soc. Wash. Proc.* 67(4):263-264. Dec. 1965. 420 W27
Observed in Ohio.
- 59275 STONE, A. Two new Chaoboridae from the United States (Diptera). *Entomol. Soc. Wash. Proc.* 67(4):231-233. Dec. 1965. 420 W27
Lutzomiops kerrvillensis and *Chaoborus maculipes* n. spp.
- 59276 STUCKENBERG, B. R. A new species of *Lampromyia* Macquart (Diptera: Rhagionidae) from Richtersveld. *Entomol. Soc. Southern Afr. J.* 28(1):107-109. Nov. 1965. 420 En86
Lampromyia vansoni n. sp.
- 59277 SUBLETTE, J. E. Type specimens of Chironomidae (Diptera) in the American Museum of Natural History. *Kans. Entomol. Soc. J.* 39(1):1-32. Ref. Jan. 1966. 420 K13
Includes *Psilochironomus* n. g. and *Chironomus* (Townsendia) n. sgen.
- 59278 TAVARES, O. Contribution to the knowledge of the tribe Ormini. V. The genus "*Ormia*" *Robineau-Desvoidy*, 1830 (Diptera, Tachinidae). (Por) *Rev. Brasil. Biol.* 25(2):211-215. July 1965. 442.8 R326
English summary.
Includes *Ormia sabroskyi* n. sp.
- 59279 THATCHER, V. E., and HERTIG, M. Field studies on the feeding habits and diurnal shelters of some *Phlebotomus* sandflies (Diptera: Psychodidae) in Panama. *Entomol. Soc. Amer. Ann.* 59(1):46-52. Ref. Jan. 1966. 420 En82
- 59280 TZANAKAKIS, M. E., and others. Gamma radiation-induced dominant lethality to the sperm of the olive fruit fly. *J. Econ. Entomol.* 59(1):214-216. Feb. 1966. 421 J822
J. A. Tsitsipis, M. Papageorgiou, and E. Fytizas, joint authors.
Dacus oleae.
- 59281 VAILLANT, F. Diptera from Nepal: Psychodidae. *Brit. Mus. (Natur. Hist.) Bull. Entomol.* 17(5):219-226. 1965. 420 B773
Includes n. spp. in *Trichopsychoda*, *Psychoda*, *Telmatoscopus*, and *Pericoma*.
- 59282 VANSCHUYTBROECK, P. Diptera from Nepal: Celyphidae. *Brit. Mus. (Natur. Hist.) Bull. Entomol.* 17(5):227-230. 1965. 420 B773
Includes n. spp. in *Celyphus* and *Spaniocelyphus*.
- 59283 VERMEIL, C. Contribution to the study of *Nycteribiidae* and *Sireblidae* (Diptera, Pupipara) from the Congo-Leopoldville; *Raymondia boquienii* n. sp. (Fr) *Ann. Parasitol. Humaine Comp.* 40(6):693-707. Nov./Dec. 1965. 436.8 An7
- 59284 WEISMAN, K. E. Distribution of the genus *Sphecomyia* Latreille (Diptera: Syrphidae). *Entomol. News* [Philadelphia] 77(2):50-56, map. Ref. Feb. 1966. 421 En88
- 59285 WHITSEL, R. H., and SCHOEPPNER, R. F. The attractiveness of carbon dioxide to female *Leptonotus torrens* Tns., and *L. kerteszi* Kieff. *Mosquito News* 25(4):403-410. Ref. Dec. 1965. 421 M85
- 59286 WIRTH, W. W. A revision of the genus *Parabezzia* Malloch (Diptera, Ceratopogonidae). *Entomol. Soc. Wash. Proc.* 67(4):215-230. Dec. 1965. 420 W27
Includes n. spp.

- 59287 YURKIEWICZ, W. J. Temperature effects on flight of the blow fly, *Phaenicia sericata* (Meigen) (Diptera: Calliphoridae). Diss. Abs. 26(8):4913. Feb. 1966. 241.8 M58
- 59288 ZAKHAROVA, N. F. On the ecology of flies of the family Sarcophagidae (Diptera). (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):533-540. Ref. Sept./Oct. 1965. 448.8 M469
English summary.

Culicidae

- 59289 AKOV, S. Inhibition of blood digestion and oocyte growth in *Aedes aegypti* by 5-fluorouracil. Biol. Bull. 129(3):439-453. Ref. Dec. 1965. 442.8 B52
- 59290 BENNETT, G. F. The effect of phosphorus on the fecundity of *Aedes aegypti* (L.) and its use in determining blood meal volumes. Mosquito News 25(4):465-469. Dec. 1965. 421 M85
Radioactive phosphorus.
- 59291 BREELAND, S. G., and others. Comparative observations on winter survival and hatching of *Aedes vexans* eggs in two localities—Florence, Alabama, and St. Paul, Minnesota. Mosquito News 25(4):374-384. Dec. 1965. 421 M85
A. W. Buzicky, E. Pickard, and W. I. Barton, joint authors.
- 59292 BURGER, J. F. *Aedes kompi* Vargas and Downs 1950, new to the United States. Mosquito News 25(4):396-398. Dec. 1965. 421 M85
- 59293 BURGESS, L. The stomodaeal nervous system, neurosecretion, and the gland complex in *Aedes aegypti* (L.) (Diptera: Culicidae). Diss. Abs. 26(9):5602. Mar. 1966. 241.8 M58
- 59294 CHELLAPPAH, W. T. A gynandromorph of *Aedes* (E) *togoi* (Theobald). Mosquito News 25(4):483-484. Dec. 1965. 421 M85
- 59295 CLARK, T. B., KELLEN, W. R., and LUM, P. T. M. A mosquito iridescent virus (MIV) from *Aedes taeniorhynchus* (Wiedemann). J. Invertebrate Pathol. 7(4):519-521. Dec. 1965. 421 J826
- 59296 DEPNER, K. R., and HARWOOD, R. F. Photoperiodic responses of two latitudinally diverse groups of *Anopheles freeborni* (Diptera: Culicidae). Entomol. Soc. Amer. Ann. 59(1):7-11. Ref. Jan. 1966. 420 En82
- 59297 DONETS, Z. S., and others. Larval feeding and some physiologic characteristics of blood-sucking mosquitoes. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):518-521. Sept./Oct. 1965. 448.8 M469
N. G. Dashkina, V. M. Loskot, L. I. Frantsevich, and D. B. Tsarichkova, joint authors.
English summary.
- 59298 FIELD, G., and MATSUI, T. Attractiveness of dyed waters as oviposition sites to *Culex tritaeniorhynchus*. J. Econ. Entomol. 58(6):1172-1173. Dec. 1965. 421 J822
- 59299 GAD, A. M. Variations in some morphological characters in anopheline larvae. Mosquito News 25(4):431-433. Dec. 1965. 421 M85
- 59300 HARMSTON, F. C. Gynandromorph of *Culex tarsalis* Coquillett from Colorado. Mosquito News 25(4):488-489. Dec. 1965. 421 M85
- 59301 HARTBERG, W. K. A new method for preserving adult mosquitoes. Mosquito News 25(4):483. Dec. 1965. 421 M85
- 59302 ISIMBEKOV, ZH. M. The fauna and seasonal prevalence of blood-sucking mosquitoes of the Ily Basin. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):521-525. Sept./Oct. 1965. 448.8 M469
English summary.
- 59303 JONES, J. C., and WHEELER, R. E. Studies on spermathecal filling in *Aedes aegypti* (Linnaeus). II. Biol. Bull. 129(3):532-545. Ref. Dec. 1965. 442.8 B52
- 59304 KELLEN, W. R., and others. *Bacillus sphaericus* Neide as a pathogen of mosquitoes. J. Invertebrate Pathol. 7(4):442-448. Dec. 1965. 421 J826
T. B. Clark, J. E. Lindegren, B. C. Ho, M. H. Rogoff, and S. Singer, joint authors.
Isolated from *Culiseta* incens.
- 59305 KLYUSHKINA, E. A. On subspecies composition of *Anopheles maculipennis* Meig in the Crimean Region. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):608-609. Sept./Oct. 1965. 448.8 M469
English summary.
- 59306 LEAHY, M. G., and CRAIG, G. B. Accessory gland substance as a stimulant for oviposition in *Aedes aegypti* and *A. albopictus*. Mosquito News 25(4):448-452. Ref. Dec. 1965. 421 M85
- 59307 LILES, J. N. Effects of mating or association of the sexes on longevity in *Aedes aegypti* (L.). Mosquito News 25(4):434-439. Dec. 1965. 421 M85
- 59308 LOGEN, D., and HARWOOD, R. F. Oviposition of the mosquito *Culex tarsalis* in response to light cues. Mosquito News 25(4):462-465. Dec. 1965. 421 M85
- 59309 MANIER, J. F., RIOUX, J. A., and JUMINER, B. The presence of two *Trichomyces* parasites of Culicidae larvae in Tunis. (Fr) Inst. Pasteur Tunis. Arch. 41(2):147-152. Ref. June 1964. 448.3 In72
Amoebidium parasiticum and *Rubetella culicis* on *Culex theileri* and *Aedes detritus*.
- 59310 MOROZOV, V. A. Spread of *Mansonia richiardii* Fic. in the Krasnodar Region and methods of collection of their larvae. (Rus) Med. Parazitol. Parazitarn. Bolezni 34(5):514-517. Sept./Oct. 1965. 448.8 M469
English summary.
- 59311 NEWHOUSE, V. F., and SIVERLY, R. E. The *Culex pipiens* complex in southern Indiana. Mosquito News 25(4):489-490. Dec. 1965. 421 M85
- 59312 QURAIISHI, M. S., FAGHIH, M. A., and ESGHI, N. Flight range, lengths of gonotrophic cycles, and longevity of P³²-labeled *Anopheles stephensi mysorensis*. J. Econ. Entomol. 59(1):50-55, map. Ref. Feb. 1966. 421 J822
- 59313 SHEMANCHUK, J. A. On the hibernation of *Culex tarsalis* Coquillett, *Culiseta inornata* Williston, and *Anopheles earlei* Vargas, (Diptera: Culicidae) in Alberta. Mosquito News 25(4):456-462, map. Dec. 1965. 421 M85
- 59314 THOMPSON, P. H., and DICKE, R. J. Oviposition studies with *Aedes vexans* in the laboratory. Mosquito News 25(4):476-482. Dec. 1965. 421 M85
- 59315 VINOGRADOVA, E. B. Inheritance of morphological characters by the hybridisation in the *Culex pipiens*-complex (Diptera, Culicidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:58-69. Ref. 1965. 410.9 L543
- 59316 VINOGRADOVA, E. B. Morphological and physiological characters of some natural populations of the blood-sucking mosquitoes *Culex pipiens* L. (Diptera, Culicidae) in the U.S.S.R. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:31-57. 1965. 410.9 L543
- 59317 WARREN, M. E., and EDDLEMAN, C. D. A self-straining larval concentrator. Mosquito News 25(4):486-487. Dec. 1965. 421 M85
For collection of mosquito larvae.

Drosophila

- 59318 AYALA, F. J. Sibling species of the *Drosophila serrata* group. Evolution 19(4):538-551, map. Dec. 1965. 443.8 Ev62
Drosophila serrata, *D. birchii*, and *D. dominicana*.

- 59319 BOYD, J. B. Turnover of the hemolymph proteins of *Drosophila melanogaster*. A new method for the detection of deoxyribonucleases and its application to studies of *Drosophila melanogaster*. Diss. Abs. 26(8):4203. Feb. 1966. 241.8 M58
- 59320 BUTTERWORTH, F. M., and KING, R. C. The developmental genetics of apterous mutants of *Drosophila melanogaster*. Genetics 52(6):1153-1174. Ref. Dec.1965. 442.8 G28
- 59321 ECHALIER, G., OHANESSIAN, A., and BRUN, G. Primary cultures of embryonal cells of *Drosophila melanogaster* (Insecta, Diptera). (Fr.) Acad. Sci. Compt. Rend. 261(16):3211-3213. Oct.18,1965. 505 P21
- 59322 EHRMAN, L. Direct observation of sexual isolation between allopatric and between sympatric strains of the different *Drosophila paulistorum* races. Evolution 19(4):459-464. Ref. Dec. 1965. 443.8 Ev62
- 59323 FALK, R., and BEN-ZEEV, N. Viability of heterozygotes for induced mutations in *Drosophila melanogaster*. II. Mean effects in irradiated autosomes. Genetics 53(1):65-77. Ref. Jan.1966. 442.8 G28
- 59324 FORD, E. B. Genetic polymorphism. Cambridge, M.I.T. Press, 1965. 101 p. (All Souls Studies, 5) QH431.F6
Bibliography, p.90-97.
Includes *Drosophila melanogaster*, other insects, and plants.
- 59325 FOURCHE, J. Larval respiration of *Drosophila melanogaster*: oxygen consumption during fasting. (Fr.) Acad. Sci. Compt. Rend. 261(17):3478-3481. Oct.27,1965. 505 P21
- 59326 GEER, B. W. Comparison of some amino acid mixtures and proteins for the diet of *Drosophila melanogaster*. III. State Acad. Sci. Trans. 59(1):3-10. Ref. 1966. 500 IL6
- 59327 GEER, B. W., and RICKER, J. G. The growth effects of carnitine, deoxycarnitine, and sulfocholine for *Drosophila*, [*melanogaster*] *Neurospora*, [*crassa*] and *Saccharomyces* [*carlsbergensis*]. Growth 29(4):405-413. Ref. Dec. 1965. 442.8 G91
- 59328 CHELELOVITCH, S. Tumor inducing effects of tritiated leucine, uridine and thymidine in *Drosophila* larvae. (Fr.) Acad. Sci. Compt. Rend. Ser. D, 262(10):1173-1176. Mar.7,1966. 505 P21
Drosophila melanogaster.
- 59329 GOTZ, W. Chromosomal polymorphism in a sample of *Drosophila subobscura* from Morocco with description of heterozygote condition as heterozygosity diagram. (Ge) Z. Vererbungslehre 97(1):40-45. Ref. 1965. 442.8 Z34
English summary.
- 59330 HARKER, J. E. The effect of photoperiod on the developmental rate of *Drosophila* [*melanogaster*] pupae. J. Exp. Biol. 43(3):411-423. Dec.1965. 442.8 B77
- 59331 HINTON, C. W. Enhancement of recombination associated with the c3G mutant of *Drosophila melanogaster*. Genetics 53(1):157-164. Ref. Jan.1966. 442.8 G28
- 59332 HOENIGSBERG, H. F., and NAVAS, Y. G. DE. Population genetics in the American Tropics. I. Concealed recessives in different bioclimatic regions. Evolution 19(4):506-513. Ref. Dec. 1965. 443.8 Ev62
Drosophila melanogaster.
- 59333 JONES, L. P., and BARKER, J. S. F. Polymorphism at the ebony locus of *Drosophila melanogaster* and population fitness. Genetics 53(2):313-326. Ref. Feb.1966. 442.8 G28
- 59334 JUDD, B. H. Chromosome pairing and recombination in *Drosophila melanogaster*. Genetics 52(6):1229-1233. Dec.1965. 442.8 G28
- 59335 KUNKEL, H. A., TRAMS, and HENKE, H. The influence of 5-hydroxytryptamine (serotonin) on the radiation induced mutation rate in *Drosophila melanogaster*. (Ge) Naturwissenschaften 52(23):650. Dec.1,1965. 474 N213
- 59336 LEFEVRE, G., and WILKINS, M. D. Cytogenetic studies on the white locus in *Drosophila melanogaster*. Genetics 53(1):175-187. Ref. Jan.1966. 442.8 G28
- 59337 LEFEVRE, G. Mutation frequencies detected following irradiation of virgin and inseminated *Drosophila melanogaster* females. Genetics 53(1):137-143. Jan.1966. 442.8 G28
- 59338 MARZLUF, G. A. Tryptophan pyrrolase of *Drosophila* [*melanogaster*]; partial purification and properties. Z. Vererbungslehre 97(1):10-17. Ref. 1965. 442.8 Z34
- 59339 MERRELL, D. J. Methodology in behavior genetics. J. Hered. 56(6):263-266. Ref. Nov./Dec.1965. 442.8 Am3
Includes mention of *Drosophila*.
- 59340 MYSZEWSKI, M. E. Differential survival among sperm populations from heterozygous male *Drosophila melanogaster*. Diss. Abs. 26(8):4187. Feb.1966. 241.8 M58
- 59341 PENTZOS-DAPONTE, A., and SPERLICH, D. Vitality testing of intra- and interlocal heterozygotes of *Drosophila subobscura*. (Ge) Z. Vererbungslehre 97(1):46-54. Ref. 1965. 442.8 Z34
English summary.
- 59342 RATTY, F. J. The mutability of loci in an X-chromosome duplication of *Drosophila melanogaster*. Genetics 52(6):1113-1117. Ref. Dec. 1965. 442.8 G28
- 59343 RENDEL, J. M., SHELDON, B. I., and FINLAY, D. E. Canalisation of development of scutellar bristles in *Drosophila* [*melanogaster*] by control of the scute locus. Genetics 52(6):1137-1151. Dec.1965. 442.8 G28
- 59344 RILES, L. Inversion polymorphism and embryonic lethality in *Drosophila robusta*. Genetics 52(6):1335-1343. Ref. Dec.1965. 442.8 G28
- 59345 RINEHART, R. R., and RATTY, F. J. Mutation in *Drosophila melanogaster* cultured on [X-ray] irradiated food. Genetics 52(6):1119-1126. Dec.1965. 442.8 G28
- 59346 RODMAN, T. C. The salivary gland chromosomes of a tumorigenic strain of *Drosophila melanogaster*. I-II. Diss. Abs. 26(3):1300-1301. Sept.1965. 241.8 M58
- 59347 SEECOF, R. L. Low titers in *Drosophila* that regularly transmit the sigma virus infection. Genetics 53(1):79-83. Jan.1966. 442.8 G28
- 59348 SEIGER, M. B. The effects of chromosome substitution on male body weight of *Drosophila melanogaster*. Genetics 53(2):237-248. Ref. Feb.1966. 442.8 G28
- 59349 STALKER, H. D. The phylogenetic relationships of the species in the *Drosophila melanica* group. Genetics 53(2):327-342. Ref. Feb. 1966. 442.8 G28
- 59350 SZABO, K., PUSKAS, M., and BARTALIS, E. The protein amino acid changes of the different genotypes of *Drosophila melanogaster* Meigen in the course of ontogenesis. Acta Biol. 16(2):125-136. Ref. 1965. 475 Ac85
- 59351 TANTAWY, A. O., and EL-HELW, M. R. Studies on natural populations of *Drosophila*. V. Correlated response to selection in *Drosophila melanogaster*. Genetics 53(1):97-110. Ref. Jan.1966. 442.8 G28
- 59352 TEMIN, R. G. Homozygous viability and fertility loads in *Drosophila melanogaster*. Genetics 53(1):27-46. Ref. Jan.1966. 442.8 G28
- 59353 TOBARI, I. Effects of temperature on the viability of heterozygotes of lethal chromosomes in *Drosophila melanogaster*. Genetics 53(2):249-259. Ref. Feb.1966. 442.8 G28
- 59354 WALLACE, B. Chromosomes, giant molecules, and evolution. New York, Norton, 1966. 171 p. Ref. QH367.W3
Includes *Drosophila* and *Datura*.
- 59355 WALLACE, B., and FELTHOUSEN, N. Mating interference: a new test of sexual isolation. Evolution 19(4):552-555. Dec.1965. 443.8 Ev62
Drosophila spp.

- 59356 WEVER, R. Single organisms and populations in a circadian rhythm experiment: a methodical analysis. (Ge) Z. Vergleichende Physiol. 51 (1):1-24. Ref. 1965. 444.8 Z3
English summary.
Includes *Drosophila*.
- 59357 WILLIAMSON, D. L. Kinetic studies of "sex ratio" spirochetes in *Drosophila melanogaster* Meigen females. J. Invertebrate Pathol. 7(4): 493-501. Ref. Dec.1965. 421 J826
- 59358 WILLS, C. The mutational load in two natural populations of *Drosophila pseudoobscura*. Genetics 53(2):281-294. Ref. Feb.1966. 442.8 G28
- 59359 WOLSTENHOLME, D. R. Direct evidence for the presence of DNA in interbands of *Drosophila [melanogaster]* salivary gland chromosomes. Genetics 53(2):357-360. Feb.1966. 442.8 G28
- 59360 WOOLF, C. M. Maternal effect influencing male genital disc development in *Drosophila melanogaster*. Genetics 53(2):294-302. Ref. Feb.1966. 442.8 G28
- Hemiptera**
- 59361 AHMAD, I. The Leptocorisinae (Heteroptera: Alydidae) of the world. Brit. Mus. (Natur. Hist.) Entomol. Bull. Suppl. 5, 156 p., map. Ref. 1965. 420 B773
Includes *Stenocoris* (*Pseudoleptocoris*) n. sgen. and n. spp. in *Stenocoris* (*Erbula*), *Stenocoris*, *Stenocoris* (*Oryzocoris*) n. sgen., *Leptocoris*, *Bloetecoris* n. g. *Cosmoleptus*, and *Noliphus*.
- 59362 AHMAD, I. A new genus and species of *Micrelytrinae* from Upper Burma (Hemiptera: Alydidae). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(11/12):137-140. Dec.31, 1965. 420 L84Pb
Slateria granti n. g., n. sp.
- 59363 BECH, R. Light and color reactions of *Lygus* species. (Ge) Biol. Zentralbl. 84(5):635-640. Sept./Oct.1965. 442.8 B523
- 59364 BELL, W., and SCHAEFER, C. W. Longevity and egg production of female bed bugs, *Cimex lectularius*, fed various blood fractions and other substances. Entomol. Soc. Amer. Ann. 59(1):53-56. Ref. Jan.1966. 420 En82
- 59365 BERRIDGE, M. J. The physiology of excretion in the cotton stainer, *Dysdercus fasciatus* Signoret. I-III. J. Exp. Biol. 43(3):511-552. Ref. Dec.1965. 442.8 B77
- 59366 BLOCKER, H. D. A classification of the Western Hemisphere *Balcluthini* (Homoptera: Cicadellidae). Diss. Abs. 26(8):4897. Feb.1966. 241.8 M58
Includes new spp.
- 59367 CARVALHO, J. C. DE M., and ROSAS, A. F. Neotropical *Miridae*. XCIV. New species of *Tropidosteptes* Uhler from Mexico (Hemiptera). (Por) Rev. Brasil. Biol. 25(2):187-189. July 1965. 442.8 R326
Tropidosteptes chapingoensis n. sp.
- 59368 CARVALHO, J. C. DE M., and ROSAS, A. F. Neotropical *Miridae*. XCV. New genus and species from Surinam, with a list of species collected in Paramaribo (Hemiptera). (Por) Rev. Brasil. Biol. 25(2):207-210. July 1965. 442.8 R326
English summary.
Urucuiana tuberculata n. g., n. sp.
- 59369 CHENG, L. The genus *Ventidius* Distant (Heteroptera: Gerridae) in Malaya, with a description of four new species. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34 (11/12):153-163. Dec.31, 1965. 420 L84Pb
- 59370 CLERCQ, R. DE, and HERDE, J. D'. On the influence of soil moisture on the development of "*Rhizococcus casticans* Hambleton" populations. Int. Symp. Crop Protect. [Pap.], 17th Symp.:104. 1965. 464.9 In834
Aechmea fasciata, host plant.
- 59371 COLES, G. C. Haemolymph proteins and yolk formation in *Rhodnius prolixus* Stal. J. Exp. Biol. 43(3):425-431. Ref. Dec.1965. 442.8 B77
- 59372 DAVIS, R. Daily rhythm in flight and development of the corn leaf aphid, *Rhopalosiphum maidis*. Entomol. Soc. Amer. Ann. 59(1):82-85. Ref. Jan.1966. 420 En82
- 59373 DYSART, R. J. Natural enemies of the banded-wing whitefly, *Trialeurodes abutiloneae* (Hemiptera: Aleyrodidae). Entomol. Soc. Amer. Ann. 59(1):28-33. Ref. Jan.1966. 420 En82
Hymenopterous parasites, insect predators, and entomogenous fungi.
- 59374 EYLES, A. C., and BLACKKITH, R. E. Studies on hybridization in *Scolopostethus* Fieber (Heteroptera: Lygaeidae). Evolution 19(4):465-479. Ref. Dec.1965. 443.8 Ev62
- 59375 FOLLIOT, R., and MAILLET, P. L. Morphologic independence of synaptonematic complexes with regard the chromosomes in the course of meiosis in the male of *Philaenus spumarius* L. (Homoptera, Cercopidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):394-396. Jan.17, 1966. 505 P21
- 59376 HEPNER, L. W. Twenty new species of *Erythroneura* related to *E. bigemina* (Homoptera: Cicadellidae). Kans. Entomol. Soc. J. 39(1): 78-89. Jan.1966. 420 K13
- 59377 HERNANDEZ PAZ, M. R. Observations on the biology of root mealybug *Rhizococcus americanus* (Hambleton) (Homoptera: Pseudococcidae). I-III. (Sp) (Condensed.) Rev. Cafetalera 48: 22-25; 49:17-19; 50:19-20. Aug.-Oct.1965. 68.28 R322
Pest of coffee.
- 59378 HUGHES, R. D., and others. A comparison of the numbers and distribution of aphid species flying over eastern Australia in two successive years. Australian J. Zool. 13(5):823-839, map. Dec.1965. 410 Au73
M. Carver, M. Sasimir, G. T. O'Loughlin and E. J. Martyn, joint authors.
- 59379 IGLISCH, I. Biology and morphology of *Phylloxera* species in Germany (Aphidoidea, Phylloxeridae). II. (Ge) Z. Angew. Zool. 52(4):399-474. Ref. 1965. 449.8 Z36
Phylloxera daphnoidis n. sp., *P. salicis*, and *P. capreae*.
- 59380 KENNEDY, J. S. Co-ordination of successive activities in an aphid [*Aphis fabae*] reciprocal effects of settling on flight. J. Exp. Biol. 43(3): 489-509. Ref. Dec.1965. 442.8 B77
- 59381 KIECKHEFER, R. W., and MEDLER, J. T. Aggregations of the potato leafhopper [*Empoasca fabae*] in alfalfa fields in Wisconsin. Entomol. Soc. Amer. Ann. 59(1):180-182. Jan. 1966. 420 En82
- 59382 KORMILEV, N. A. Notes on *Aradidae* in the Naturhistoriska Riksmuseum, Stockholm, Hemiptera-Heteroptera. Arkiv Zool. (ser.2)18(1): 1-8. 1965. 410.9 Sv22
Includes n. spp. in *Ctenoneurus* and *Mezira*.
- 59383 KRZYWIEC, D. A new species of *Tuberculoides* v.d. Goot from Poland (Homoptera, Aphidina). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(10):595-600. 1965. 512 W262
Tuberculoides neglectus, n. sp.
- 59384 LANSBURY, I. A revision of the *Stenocephaliidae* Dallas 1852 (Hemiptera-Heteroptera). Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):52-72. Jan./Mar.1965. 421 En86
Taxonomy and biology.
- 59385 LAVIGNE, R. *Parabolocratus viridis* (Homoptera: Cicadellidae) and ants associated with it. Kans. Entomol. Soc. J. 39(1):65-67. Jan.1966. 420 K13
- 59386 LE MENN, R. Recent find of *Homotoma ficus* (L.) (Homoptera, Psyllodea) in the West of France. (Fr) Vie Milieu 15(4):1065-1067, map. 1964, pub.1965. 442.8 V67

- 59387 LENT, H., and JURBERG, J. Contribution to the knowledge of the Phloeidae Dallas, 1851, with a study of the genitalia (Hemiptera, Pentatomoidea). (Por) Rev. Brasil. Biol. 25(2):123-144. Ref. July 1965. 442.8 R326
- 59388 LEONARD, M. D. Aphids on a rooftop—1963. Entomol. Soc. Wash. Proc. 67(4):253-254. Dec. 1965. 420 W27
Collecting in Washington, D. C.
- 59389 LEONARD, M. D., and TISSOT, A. N. A preliminary list of Texas aphids. Fla. Entomol. 48(4):255-264. Dec. 1965. 420 F662
Includes food plants.
- 59390 MALDONADO-CAPRILES, J. Studies on Idiocerinae leafhoppers. III. On Singh-Pruthi's Indian species of Idiocerus (Homoptera, Cicadellidae). Entomol. Soc. Wash. Proc. 67(4):244-246. Dec. 1965. 420 W27
Transferred to Idioscopus.
- 59391 MALYSHEV, S. I. The origin of secondary phytophagy in Terebrantia (Hymenoptera, Terebrantia s. Parasitica). 5 p. (TT 62-15628) Transl. 15378
Translation from Leningradskoe Obshchestvo Estestvoispytatelei. Trudy 73(4):229-233. 1957.
Issued by CFSTI.
- 59392 MASSEE, A. M. The macropterous form of *Hydrometra stagnorum* (L.) (Hem., Het.) recorded in Kent. Entomol. Mon. Mag. 101 (1208/1210, i.e. 301/302):19. Jan./Mar. 1965. 421 En86
- 59393 MEDLER, J. T., PIENKOWSKI, R. L., and KIECKHEFER, R. W. Biological notes on *Empoasca fabae* in Wisconsin. Entomol. Soc. Amer. Ann. 59(1):178-180. Ref. Jan. 1966. 420 En82
- 59394 MEISCH, M. V., and RANDOLPH, N. M. Life-history studies and rearing techniques for the three-cornered alfalfa hopper [*Spissistilus festinus*]. J. Econ. Entomol. 58(6):1057-1059. Dec. 1965. 421 J822
- 59395 MIYAKE, T., and FUJIWARA, A. Studies on the diapause and host plant preference in the white back planthopper, *Sogata furcifera* Horvath. 9 p. Transl. 15851
Translation from Japanese Journal of Applied Entomology and Zoology 5(3):174-179. 1961.
- 59396 MOENS, R. Observations on the food requirements of *Perillus bioculatus* Fabr. (Hemiptera-Asopidae). Int. Symp. Crop Protect. [Pap.], 17th Symp.:102. 1965. 464.9 In834
- 59397 MOREAU, J. P., and LOON, L. C. VAN. The pricking behavior of *Rhopalosiphum padi* L. (Homoptera, Aphididae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(8):904-907. Feb. 21, 1966. 505 P21
- 59398 MOUND, L. A. An introduction to the aleyrodidae of western Africa (Homoptera). Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(3):113-160. Ref. 1965. 420 B773
Includes n. spp. in *Aleurocanthus*, *Aleurobus*, *Aleurolonga* n. g., *Aleuroplatus*, *Aleurotuberculatus*, *Corbettia*, *Dialeurolonga*, and *Pealius*.
- 59399 MUNTING, J. Lac insects (Homoptera: Lacciferidae) from South Africa. Entomol. Soc. Southern Afr. J. 28(1):32-43. Nov. 1965. 420 En86
Includes n. spp. in *Tachardina*.
- 59400 NUR, U. A modified *Comstockiella* chromosome system in the olive scale insect, *Parlatoria oleae* (Coccoidea: Diaspididae). Chromosoma 17(2):104-120. 1965. 442.8 C46
- 59401 OLIVE, A. T. A list of the species of *Dactynotus* Rafinesque of North America, with new combinations and synonymy (Homoptera: Aphididae). Entomol. Soc. Wash. Proc. 67(4):209-214. Dec. 1965. 420 W27
- 59402 PÜCHKOV, V. G. Shchitniki Srednei Azii (Hemiptera, Pentatomoidea) [Shield bugs of Central Asia (Hemiptera, Pentatomoidea)]. Frunze, Ilim, 1965. 329 p. Ref. QL523.P55P8
Includes n. spp. in *Odontoscelis*, *Trigonosoma*, *Mimula*, *Holcostethus*, and *Agatharchus*.
- 59403 REED, J. L. The influence of certain physical factors on the relative abundance of the green peach aphid, *Myzus persicae* (Sulzer) (Homoptera: Aphididae). Diss. Abs. 26(3):1582-1583. Sept. 1965. 241.8 M58
- 59404 ROHFRITSCH, O. Specific action of Chermesidae gall wasps on the maturation and opening of galls: proved by making mixed galls. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):370-372. Jan. 17, 1966. 505 P21
Includes morphology and biology of *Adelges abietis* and *A. strobilobius*.
- 59405 ROSE, H. A. Two new species of Thaumastocoridae (Hemiptera: Heteroptera) from Australia. Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(11/12):141-144. Dec. 31, 1965. 420 L84Pb
Thaumastocoris macqueeni and *Baclozygum brevipilosum* n. spp.
- 59406 RUPPEL, R. F. New Dikraneurini from Colombia (Hemiptera: Cicadellidae). Kans. Entomol. Soc. J. 39(1):102-104. Jan. 1966. 420 K13
Alconeura lyraforma n. sp. and *Dikrella avicula* n. sp.
- 59407 SAAKYAN-BARANOVA, A. A. Functional peculiarities of the secreting organs in the parasites of soft brown scale. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:96-111. Ref. 1965. 410.9 L543
Encyrtidae and Aphelinidae as parasites on *Coccus hesperidum*.
- 59408 SAAKYAN-BARANOVA, A. A. On the host-parasite relations between *Coccus hesperidum* L. (Homoptera, Coccidae) and some Encyrtidae (Hymenoptera). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:112-173. Ref. 1965. 410.9 L543
- 59409 SHEL'DESHOVA, G. G., and STEKOL'NIKOV, A. A. On the inversion of the photoperiodical reaction during the development of *Parthenolecanium corni* Bouche (Homoptera, Coccidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:26-30. 1965. 410.9 L543
- 59410 SLATER, J. A., and AHMAD, I. A revision of the genus *Pirkimerus* Distant (Hemiptera: Lygaeidae, Blissinae). Roy. Entomol. Soc. London. Trans. 117(10):313-328. Dec. 10, 1965. 420 L84
Includes n. spp.
- 59411 SLATER, J. A., and SWEET, M. H. The systematic position of the Psammidae (Hemiptera: Lygaeidae). Entomol. Soc. Wash. Proc. 67(4):255-262. Dec. 1965. 420 W27
- 59412 SLATER, J. A., and WILCOX, D. B. An analysis of three new genera of Neotropical Blissinae (Hemiptera: Lygaeidae). Entomol. Soc. Amer. Ann. 59(1):61-76. Jan. 1966. 420 En82
New spp. in *Extarademus* n. g., *Procellademus* n. g., and *Reticulatodemus* n. g.
- 59413 SUGONYAEV, E. S. On the ecology, distribution, and economical importance of the parasites of *Parthenolecanium corni* Bouche (Homoptera, Coccoidea) in the North Caucasus. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:180-190. Ref. 1965. 410.9 L543
Hymenoptera.
- 59414 TASHEV, D. A new aphid species from *Euphorbia* L. (Homoptera, Aphididae). Bulgarska Akad. Nauk. Dokl. 18(9):865-867. 1965. 512 So2
Aphis pseudopaludicola n. sp.
- 59415 WHITCOMB, R. F., JENSEN, D. D., and RICHARDSON, J. The infection of leafhoppers by Western X-disease virus. I-II. Virology 28(3):448-458. Ref. Mar. 1966. 448.8 V81
Colladonus montanus.
- 59416 WOLFE, S. L., and JOHN, B. The organization and ultrastructure of male meiotic chromosomes in *Oncopeltus fasciatus*. Chromosoma 17(2):85-103. Ref. 1965. 442.8 C46
- 59417 YOUNG, D. A. Cicadelline types in the British Museum (Natural History) Homoptera: Cicadellidae. Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(4):161-199. 1965. 420 B773

- 59415 YOUNG, E. C. Teneral development in British Corixidae. Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 40(10/12):159-168. Ref. Dec.31,1965. 420 L84Pa
- 59419 RAO, B. R. S. A new genus of Encyrtidae from India (Hymenoptera). Roy. Entomol. Soc. London. Proc. Ser. B, Taxonom. 34(11/12):150-152. Dec.31,1965. 420 L84Pb
Neoplatycerus tachikawai n. g., n. sp.
- 59420 RASNITSYN, A. P. Notes on the biology, systematics and phylogeny of Xyelinae (Hymenoptera, Xyelidae). (Rus) Pol. Pismo Entomol. 35(2):483-519. Ref. 1965. 421 P76
English summary.
Includes n. spp. in Eoxyela n. g., Xylea (Mesoxyela) n. sgen., and Xyela.
- 59421 ROSE, A. H., and SIPPEL, W. L. Distribution of cocoon parasites of the European pine sawfly, Neodiprion sertifer (Geoffroy), in southern Ontario. Can. Entomol. 98(1):40-45, map. Jan. 1966. 421 C16
- 59422 SAKAGAMI, S. F., HIRASHIMA, Y., and OHE, Y. Bionomics of two new Japanese halictine bees (Hymenoptera, Apoidea). Kyushu Univ. Fac. Agr. J. 13(4):673-703. Ref., p.701-703. Feb.1966. 107.6 K995
Lasioglossum esoense and L. ohei, n. spp.
- 59423 SANDERS, H. Hymenoptera Aculeata. VI. (Du) Natuurhist. Genoot. Limburg. Natuurhist. Maandbl. 55(3):36-40. Mar.30,1966. 409.6 N2123N
English summary.
Distribution of Vespidae and Eumenidae in Limburg.
- 59424 SAUL, G. B., and others. Wild-type and mutant stocks of Mormoniella [vitripennis]. Genetics 52(6):1317-1327. Dec.1965. 442.8 G28
P. W. Whiting, S. W. Saul, and C. A. Heidner, joint authors.
- 59425 SPENCER-BOOTH, Y. The collection of pollen by bumble bees, and its transport in the corbiculae and the proboscoidal fossa. J. Apicult. Res. 4(3):185-190. Ref. 1965. 424.8 J82
- 59426 STEPHEN, W. P. Andrena (Cryptandrena) vi-burnella. I-II. Kans. Entomol. Soc. J. 39(1):42-53. Ref. Jan.1966. 420 K13
I, Bionomics; II, External morphology of the larva and pupa.
- 59427 STRADLING, D. J. Ponera punctatissima Roger (Hymenoptera, Formicidae) in Derbyshire. Entomologist [London] 98(1230):248-249. Nov.1965. 421 En8
- 59428 SUGONYAEV, E. S. Geographical aspect in interrelations of the parasites (Hymenoptera, Chalcidoidea) and their host (Homoptera, Coccoidea). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:174-179. Ref. 1965. 410.9 L543
- 59429 TADIC, M. Telenomus terebrans Ratz, egg parasite of the lackey moth (Malacosoma neustria L.) in Yugoslavia. (Se) Arh. Poljoprivredne Nauk. 18(62):82-99. 1965. 21.5 Y9
French summary.
- 59430 TALBOT, M. Flights of the ant Aphaenogaster treatae. Kans. Entomol. Soc. J. 39(1):67-77. Jan.1966. 420 K13
- 59431 TAYLOR, R. W. A monographic revision of the rare tropicopolitan ant genus Probolomyrmex Mayr (Hymenoptera: Formicidae). Roy. Entomol. Soc. London. Trans. 117(12):345-365. Dec.31,1965. 420 L84
Includes n. spp.
- 59432 TAYLOR, R. W. A new species of the ant genus Dacatinops from Sarawak. Breviora 237, 4 p. Dec.15,1965. 410 B75
Dacatinops concinna n. sp.
- 59433 THORP, R. W. Synopsis of the genus Heterostelis Timberlake (Hymenoptera: Megachilidae). Kans. Entomol. Soc. J. 39(1):131-146. Ref. Jan.1966. 420 K13
Includes Heterostelis hurdi n. sp. and H. texana.
- 59434 TOROSSIAN, C. Evidence of a new manifestation concerning the group effect: increase of resistance to cold in ant populations of Dolichoderus quadripunctatus L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):151-153. Jan.3, 1966. 505 P21
- 59435 TOWNES, H. Labeling in the Gravenhorst collection of Ichneumonidae (Hymenoptera). Pol. Pismo Entomol. 35(2):403-407. 1965. 421 P76
Now in the Instytut Zoologiczny Uniwersytetu, Wroclaw, Poland.
- 59436 TOWNES, H. Nomenclatural notes on European Ichneumonidae (Hymenoptera). Pol. Pismo Entomol. 35(2):409-417. Ref. 1965. 421 P76
Includes Lemophagus curtis n. g., n. sp.
- 59437 WILKES, A., and LEE, P. E. The ultrastructure of dimorphic spermatozoa in the Hymenopteron Dahlbominus fuscipennis (Zett.) (Eulophidae). Can. J. Genet. Cytol. 7(4):609-619. Ref. Dec.1965. 443.8 C16
- 59438 WILKINSON, R. C. Neodiprion merkei from south Florida. Fla. Entomol. 48(4):271. Dec. 1965. 420 F662
- 59439 WOLF, F. Data for an atlas of the Hymenoptera of Western Europe. IV. Family of Pamphiliidae. (Fr) Gembloux. Inst. Agron. Bull. 33 (3):455-463. Ref. 1965. 105.1 G285
- 59440 WOLF, H. Taxonomy of Pompiloidea (Hymenoptera) of central and northern Europe. (Ge) Aschaffenburg. Naturwiss. Mus. Nachr. 72:1-38. Aug.1965. 409.6 As2
Includes Cryptocheilus (Chyphonocheilus) n. sgen., Cryptocheilus (Chlorocheilus) n. n. sgen., Cryptocheilus (Ichneumocheilus) n. sgen., Cryptocheilus (Trachyocheilus) n. sgen., Pompilus (Melanospila) n. sgen., Parevaetes n. g.

Hymenoptera

SEE ALSO Apiculture and Apis mellifera.

- 59441 ATDAEV, T. Contributions on the fauna and ecology of Apidae (Hymenoptera) of the lower Murgab River. (Rus) In Nasekomve nizovii Murgaba 1965:100-122. 422.52 Ak122
Abstracted in Ref. Zh. Biol. 19(sect.E):16. Oct.1965. 241.7 R25
- 59442 BARTLETT, B. R., and BALL, J. C. The evolution of host suitability in a polyphagous parasite [Metaphycus luteolus] with special reference to the role of parasite egg encapsulation. Entomol. Soc. Amer. Ann. 59(1):42-45. Ref. Jan.1966. 420 En82
Controls Coccus hesperidum in California.
- 59443 BATISTE, W. C. The biology of the trefoil seed chalcid, Bruchophagus kolobovae Fedoseeva (Hymenoptera: Eurytomidae). Diss. Abs. 26(3):1296-1297. Sept.1965. 241.8 M58
- 59444 BECKER, G. C., WILKINSON, R. C., and BENJAMIN, D. M. The taxonomy of Neodiprion rugifrons and N. dubiosus (Hymenoptera: Tenthredinoidea: Diprionidae). Entomol. Soc. Amer. Ann. 59(1):173-178. Ref. Jan.1966. 420 En82
Pinus banksiana, host.
- 59445 BODOR, J. Feeding habits of Mellinus arvensis L. (Sphecoidae). (Hu) Rovartani Kozlemenyek (n.s.) 18(1/17):85-92. 1965. 420 So12
German summary.
- 59446 BOHART, R. M. New species of Ceratochrysis from North America (Hymenoptera: Chrysididae). Kans. Entomol. Soc. J. 39(1):112-113. Jan.1966. 420 K13
Ten n. spp.
- 59447 CALS, P., and SHAUMAR, N. Comparative larval biology and morphology of three species of Ichneumonidae Pimplinae. (Fr) Ann. Sci. Natur. Zool. Biol. Anim. (ser.12) 7(4):767-790. Ref. Oct./Dec.1965. 410 An7
English summary.
Pimpla instigator, Itoplectis alternans and I. melanocephala.

- 59448 CALTAGIRONE, L. E. The designation of the first recurrent vein in Ichneumonidae (Hymenoptera). Entomol. Soc. Amer. Ann. 59(1):76-78. Ref. Jan.1966. 420 En82
- 59449 COLLINGWOOD, C. A. Notes on British ants, 1964-1965. Entomol. Rec. J. Variation 78(1):23-25. Jan.1966. 421 En89
- 59450 CONNER, G. W. Genetic preferential segregation in *Mormoniella* (Hymenoptera). Diss. Abs. 26(3):1297-1298. Sept.1965. 241.8 M58
- 59451 DALEBROUX, M. A. Genetic variability induced by ionizing radiations in quantitative traits of *Habrobracon*. Diss. Abs. 26(8):4182. Feb.1966. 241.8 M58
Habrobracon juglandis.
- 59452 DE WORMS, BARON C. G. M. *Sirex gigas* L. in Connemara. Entomol. Rec. J. Variation 78(1):26. Jan.1966. 421 En89
- 59453 DYSON, J. G. Natural selection of the two mutant genes honey and orange in laboratory populations of *Habrobracon juglandis*. Diss. Abs. 26(8):4183. Feb.1966. 241.8 M58
- 59454 ENSLIN, E. Contribution to our knowledge on the Hymenoptera: Rhophites canus Evers. and *Discoelius zonalis* Panz. 4 p. Transl. 14380 Biology.
Translation from Deutsche Entomologische Zeitschrift 11:59-64. 1921.
- 59455 EVANS, H. E. Studies on Neotropical Pompilidae (Hymenoptera). I. The genus *Agenioideus* Ashmead in South America. Breviora 234, 7 p. Oct.29,1965. 410 B75
Includes *Agenioideus* (*Enbanksia*) n. sgen.
- 59456 FEDOSEEVA, L. I. A survey of herbivorous spp. of *Bruchophagus* Ashm. (Hymenoptera, Chalcidoidea) in the USSR. 5 p. Transl. 14374
Translation from Zoologicheskii Zhurnal 37(9):1345-1351. 1958.
- 59457 FELTON, J. C. Some records of ants (Hym., Formicidae) from east Kent. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):14-15. Jan./Mar.1965. 421 En86
- 59458 FLANDERS, S. E. Unique biological aspects of the genus *Casca* and a description of a new species (Hymenoptera: Aphelinidae). Entomol. Soc. Amer. Ann. 59(1):79-82. Ref. Jan.1966. 420 En82
Casca albocincta n. sp.
- 59459 FOMENKO, R. B. On the photoperiodical reaction of the ectoparasite *Scambus buolianae* Htg. (Hymenoptera, Ichneumonidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:86-88. 1965. 410.9 L543
- 59460 FRANCOEUR, A. Ecology of ant [Formicidae] populations in a forest of red oak and of red maple. (Fr) Natur. Can. 92(10/11):263-276. Ref. Oct./Nov.1965. 410 N216
English summary.
- 59461 FYE, R. E. *Sphaerularia bombi* Duford parasitizing *Bombus* queens in northwestern Ontario. Can. Entomol. 98(1):88-89. Jan.1966. 421 C16
- 59462 GARDINER, L. M. A photographic record of oviposition by *Rhyssa lineolata* (Kirby) (Hymenoptera: Ichneumonidae). Can. Entomol. 98(1):95-97. Jan.1966. 421 C16
- 59463 GERLING, D. Biological studies on *Encarsia formosa* (Hymenoptera: Aphelinidae). Entomol. Soc. Amer. Ann. 59(1):142-143. Ref. Jan.1966. 420 En82
- 59464 GRABLE, A. E. The seasonal abundance and biology of the aphidiid wasps which attack aphids occurring on forage legume crops in Minnesota (Hymenoptera: Aphidiidae-Homoptera: Aphididae). Diss. Abs. 26(9):5603-5604. Mar.1966. 241.8 M58
- 59465 GRAHAM, M. W. R. DE V., and CLARIDGE, M. F. Studies on the *Stenomalina*-group of Pteromalidae (Hymenoptera: Chalcidoidea). Roy. Entomol. Soc. London. Trans. 117(9):263-311. Ref. Dec.10,1965. 420 L84
Includes n. spp. in *Stenomalina* and *Chlorocytus*.
- 59466 HASKINS, C. P., and HASKINS, E. F. *Pheidole megacephala* and *Iridomyrmex humilis* in Bermuda, equilibrium or slow replacement? Ecology 46(5):736-740, map. Ref. Late summer 1965. 410 Ec7
- 59467 HOBBS, G. A. Ecology of species of *Bombus* Latr. (Hymenoptera: Apidae) in southern Alberta. IV. Subgenus *Fervidobombus* Skorikov. Can. Entomol. 98(1):33-39. Ref. Jan.1966. 421 C16
- 59468 KEMPF, W. W. Preliminary note on some Neotropical ants described by Frederick Smith (Hymenoptera, Formicidae). (Por) Rev. Brasil. Biol. 25(2):181-186. July 1965. 442.8 R326
English summary.
- 59469 KIERYCH, E. A new species of the genus *Andricus* Hartig (Hymenoptera, Cynipidae) from Poland. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(6):355-357. 1965. 512 W262
Andricus ionescui n. sp.
- 59470 KRUSEMAN, G. *Bombus muscorum* and its subspecies from the English Channel (Hymenoptera). (Fr) Ent. Ber. 24(12):245-247, map. Dec.1,1964. 420 N38B
- 59471 KURCZEWSKI, F. E. Behavioral notes on two species of *Tachytes* that hunt pygmy mole-crickets (Hymenoptera: Sphecidae, Larrinae). Kans. Entomol. Soc. J. 39(1):147-155. Ref. Jan.1966. 420 K13
Tachytes mergus and *T. minutus* preying on *Tridactylus apicalis*.
- 59472 KURCZEWSKI, F. E. A host record for the scoliid wasp *Campsomeris plumipes confluenta*. Kans. Entomol. Soc. J. 39(1):156. Jan.1966. 420 K13
Cotalpa lanigera, scarab.
- 59473 LOGACHEVA, L. S. Ants as hosts for the trematode *Dicrocoelium lanceatum* (Stiles et Hessall, 1896) under conditions of Kirghizia. (Rus) Vses. Entomol. Obshch. Kirgizskoe Otd. Sb. Entomol. Rabot. 1965:106-109. 420 V962
Formica and *Cataglyphis*.
Abstracted in Ref. Zh. Biol. 21(sect.K):3. Nov.1965. 241.7 R25
- 59474 MARSH, P. M. The subfamily Doryctinae in North America with a taxonomic revision of the genus *Ecphylus* Foerster (Hymenoptera, Braconidae). Diss. Abs. 26(3):1839. Sept. 1965. 241.8 M58
- 59475 MARSH, P. M. Two species of *Microgasterinae* new to the United States (Hymenoptera, Braconidae). Entomol. Soc. Wash. Proc. 67(4):214. Dec.1965. 420 W27
Microgaster diaphaniae and *Apanteles nigriceps*.
- 59476 MASON, W. R. M. A primitive new species of *Kristotomus* Mason (Hymenoptera: Ichneumonidae). Can. Entomol. 98(1):46-49. Jan.1966. 421 C16
Kristotomus simplex n. sp.

- 59477 MICHENER, C. D. A classification of the bees of the Australian and South Pacific Regions. Amer. Mus. Natur. Hist. Bull. 130,362 p.,map. 1965. 500 N483B
Bibliography, p.325-337.
Identified to the genus and subgenus level, including the following new subgenera: *Leioproctus* (*Hoplocolletes*), *Leioproctus* (*Nesocolletes*), *Leioproctus* (*Microcolletes*), *Leioproctus* (*Excolletes*), *Leioproctus* (*Colletopsis*), *Leioproctus* (*Urocolletes*), *Leioproctus* (*Anacolletes*), *Leioproctus* (*Glossurocolletes*), *Leioproctus* (*Ceratocolletes*), *Leioproctus* (*Baeocolletes*), *Leioproctus* (*Colletellus*), *Leioproctus* (*Chrysocolletes*), *Trichocolletes* (*Callocolletes*), *Euryglossa* (*Euhesma*), *Euryglossa* (*Dermatohesma*), *Euryglossa* (*Parahesma*), *Euryglossa* (*Callohesma*), *Euryglossa* (*Xenohesma*), *Pachyprosopis* (*Pachyprosopula*), *Pachyprosopis* (*Pachyprosopina*), *Brachyhesma* (*Microhesma*), *Brachyhesma* (*Brachyhesma*), *Hylaeus* (*Edriohylaeus*), *Hylaeus* (*Rhodohylaeus*), *Hylaeus* (*Hylaeteron*), *Hylaeus* (*Gnathoprosopoides*), *Hylaeus* (*Euprosopoides*), *Hylaeus* (*Euprosopellus*), *Hylaeus* (*Macrohylaeus*), *Hylaeus* (*Xenohylaeus*), *Palaeorhiza* (*Xenorhiza*), *Palaeorhiza* (*Anchirhiza*), *Amphylaeus* (*Agogenohylaeus*), *Amphylaeus* (*Amphylaeus*), *Nomia* (*Austronomia*), *Nomia* (*Ptilonomia*), *Lasioglossum* (*Australictus*), *Lasioglossum* (*Pseudochilalictus*), *Lasioglossum* (*Callalictus*), *Lasioglossum* (*Austrevylaeus*), *Lasioglossum* (*Glossalictus*), *Lasioglossum* (*Chilalictus*), *Chalicodoma* (*Eumegachilana*), *Chalicodoma* (*Schizomegachile*), *Chalicodoma* (*Rhodomegachile*), *Chalicodoma* (*Austrochile*), *Megachile* (*Mitchellapis*), *Exoneura* (*Brevineura*), and the following new genera: *Heterohesma*, *Holohesma*, *Hypthesma*, *Euryglossula*, *Gephyrohylaeus*, *Pharohylaeus*, *Hemirhiza*, *Amphylaeus* and new species in the following genera: *Leioproctus*, *Hesperocolletes* n. g., *Trichocolletes*, *Ctenocolletes*, *Euryglossa*, *Xanthesma* n. g., *Stenohesma* n. g., *Dasyhesma* n. g., *Euryglossina*, *Brachyhesma* n. g., *Hylaeus*, *Hylaeorhiza* n. g., *Palaeorhiza*, *Meroglossa*, *Nomia*, *Lasioglossum*, *Homalictus*, and *Chalicodoma*.
- 59478 MOMOI, S., and OKAMOTO, K. Notes on an ichneumonid parasite (Hymenoptera) of *Parasacnobia* (Lepidoptera). Entomol. Soc. Wash. Proc. 67(4):238-243. Dec.1965. 420 W27
Plectocryptus nohirai type species of *Litochila* n. g.
- 59479 MYARTSEVA, S. N. Sphecidae (Hymenoptera) of the lower Murgab River. (Rus) In *Nasekomye nizovii Murgaba* 1965:74-99. Ref. 422.52 Ak122
Abstracted in Ref. Zh. Biol. 19(sect.E):16. Oct.1965. 241.7 R25
- 59480 OLIVEIRA, B. L. DE. Description of *Plebeia* (*Plebeia*) *droryana* (Friese 1900) queen (Hymenoptera, Apoidea). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 18:21-27. 1965. 410.9 Sa63
English summary.
- 59481 OLIVEIRA, B. L. DE. Observations on the larvae and pupae of *Plebeia* (*Plebeia*) *droryana* (Friese 1900) (Hymenoptera, Apoidea). (Por) Sao Paulo. Dep. Zool. Papeis Avulsos 17:29-38. 1965. 410.9 Sa63
English summary.
- 59482 OZOLS, E. YA. Contributions to the knowledge of Ephialtini (Ichneumonidae, Hymenoptera) of Latvia. (Rus) Latvijas Entomologs 9:19-48. 1964. 421 L35
Abstracted in Ref. Zh. Biol. 19(sect.E):15. Oct.1965. 241.7 R25
- 59483 PILON, J. G. Influence of temperature and relative humidity on survival of adults of the jack pine sawfly, *Neodiprion swainei* Midd. (Hymenoptera: Diprionidae). Diss. Abs. 26(8):4906. Feb.1966. 241.8 M58
- 59484 PISARSKI, B. Ants of the genus *Cataglyphis* (Hymenoptera, Formicidae) in Iraq. (Fr) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(7):417-422. 1965. 512 W262
-Includes n. spp.
- 59485 PRINS, A. J. Notes on African Formicidae (Hymenoptera). 2. Entomol. Soc. Southern Afr. J. 28(1):77-79. Nov.1965. 420 En86
Oecophylla smaragdina longinoda.
- 59486 PSCHORN-WALCHER, H., and KRIEGL, M. Knowledge on the parasites of sawflies of the genus *Arge* Schrank (Hymenoptera: Argidae). (Ge) Z. Angew. Entomol. 56(3):263-275. Ref. Oct.1965. 421 Z36
- 59487 PULAWSKI, W. On the synonymy of certain Palearctic Sphecidae (Hym.). (Fr) Pol. Pismo Entomol. 35(2):563-578. Ref. 1965. 421 P76

Lepidoptera

SEE ALSO Sericulture and the Silkworm.

- 59488 ABRAHAMSON, D. P., and KRAFT, K. J. A population study of the cone moth *Laspeyresia toreuta* Grote in *Pinus banksiana* stands. Ecology 46(4):561-563. Early summer 1965. 410 Ec7
- 59489 ALEXANDER, N. J. H. Physiology of diapause development in the European corn borer *Ostrinia nubilalis* (Hubn.). Diss. Abs. 26(9):5601. Mar.1966. 241.8 M58
- 59490 ALIEV, S. V. Some data on biology and ecology of little known species of cutworms. (Rus) Akad. Nauk Azerb. SSR. Izv. Ser. Biol. Nauk 6:43-49. 1964. 442.9 Ak132
Euxoa aquilina, *Agrotis ypsilon* and *Triphaena pronuba*.
Abstracted in Ref. Zh. Biol. 20(sect.E):5. Oct.1965. 241.7 R25
- 59491 BARRY, B. D., and ADKISSON, P. L. Certain aspects of the genetic factors involved in the control of the larval diapause of the pink bollworm [*Pectinophora gossypiella*]. Entomol. Soc. Amer. Ann. 59(1):122-125. Ref. Jan.1966. 420 En82
- 59492 BARTH, R. Structure and function of the wing glands of several microlepidopterans. II. *Galleria mellonella*. 4 p. Transl. 14378
Translation from *Zeitschrift für Wissenschaftliche Zoologie* 150(1):21-27. 1937.
- 59493 BIRKETT, N. L. Further records of Cardigan-shire Lepidoptera, 1965. Entomol. Rec. J. Variation 78(1):11-13. Jan.1966. 421 En89
- 59494 BIRKETT, N. L. A scale defect in *Pieris napi* L. Entomol. Rec. J. Variation 78(1):13. Jan. 1966. 421 En89
- 59495 BROWER, L. P., and JONES, M. A. Precourtship interaction of wing and abdominal sex glands in male *Danaus* [*D. gilippus xanthippus*] butterflies. Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 40(10/12):147-151. Ref. Dec.31,1965. 420 L84Pa
- 59496 BURTON, J. F. Release of marked monarch butterflies (*Danaus plexippus* L.) in Britain. Entomologist [London] 98(1228):193. Sept.1965. 421 En8
- 59497 CAMIER-RIBEREAU-GAYON, MAURICE, A., and BARAUD, J. Qualitative study of fatty acids in certain Lepidoptera. (Fr) Soc. Chim. de France. B. 2:305-309. Feb.1964. 383 P21B
- 59498 CARLSON, R. B. Aspects of the ecology and population dynamics of the Zimmermann pine moth, *Dioryctria zimmermani* (Grote). Diss. Abs. 26(8):4898. Feb.1966. 241.8 M58
- 59499 CHALMERS-HUNT, J. M. The butterflies and moths in Kent: a critical account. II. Entomol. Rec. J. Variation 78(1,sup.): (273)-(278). (Cont.) Jan.1966. 421 En89
- 59500 CHANTER, D. O. On the area of a butterfly's wing. Entomologist [London] 98(1228):207. Sept.1965. 421 En8
Danaus chrysippus studied.
- 59501 DARICHEVA, M. A. Material on the fauna and ecology of the Noctuidae (Lepidoptera) of the lower Murgab River. (Rus) In *Nasekomye nizovii Murgaba* 1965:53-73. Ref. 422.52 Ak122
Includes biology, and status as pests.
Abstracted in Ref. Zh. Biol. 19(sect.E):15. Oct.1965. 241.7 R25

- 59502 DESCIMON, H. Quantitative variations of pterins in *Colias croceus*, Fourcroy and its mutant helice (Hbn.) (Lepidoptera, Pieridae) and their significance in the biosynthesis of pterins. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(3):390-393. Ref. Jan.17,1966. 505 P21
- 59503 DE WORMS, BARON C. G. M. The Eastern Pyrenees, July-August 1965. Entomol. Rec. J. Variation 78(1):1-8. Jan.1966. 421 En89
Collecting Lepidoptera.
- 59504 DE WORMS, BARON, C. G. M. Melanic forms of *Bupalus piniaria* L. Entomol. Res. J. Variation 78(1):8. Jan.1966. 421 En89
- 59505 DE WORMS, BARON C. G. M. *Sterrhopteryx fusca* Haworth (=hirsutella Hubn.) at Wither-slack. Entomol. Rec. J. Variation 78(1):25. Jan.1966. 421 En89
- 59506 DICKSON, C. G. C. Recently observed food-plants of some South African lepidopterous larvae. Entomol. Soc. Southern Afr. J. 28(1):11-20. Nov.1965. 420 En86
- 59507 DREA, J. J., and O'CONNELL, T. B. Life history and host specificity studies of *Heterographis fulvobasella* Ragonot (Lepidoptera: Phycitidae). J. Econ. Entomol. 58(6):1110-1115, map. Dec.1965. 421 J822
- 59508 DROOZ, A. T. Some effects of rearing density on the biology of the elm spanworm [*Ennomos subsignarius*]. Can. Entomol. 98(1):83-87. Jan.1966. 421 C16
- 59509 DUNN, T. C. Lepidoptera seen on the Isle of Colonsay, 1964. Entomologist [London] 98 (1230):243-247. Nov.1965. 421 En8
- 59510 DUPREE, M. Observations on the life history of the lesser cornstalk borer [*Elasmopalpus lignosellus*]. J. Econ. Entomol. 58(6):1156-1157. Dec.1965. 421 J822
Pest of grass and legume crops.
- 59511 EMMEL, J. F., and EMMEL, T. C. A new *Papilio* from the Mojave Desert of California (Lepidoptera: Papilionidae). Entomol. News [Philadelphia] 77(3):57-63. Mar.1966. 421 En88
Papilio indra martini n. subsp.
- 59512 FAUST, R. M., and ESTES, Z. E. Nucleic acid composition of the nuclear-polyhedrosis virus from *Trichoplusia ni*. J. Invertebrate Pathol. 7(4):521-522. Dec.1965. 421 J826
- 59513 FORSTER, W., and WOHLFAHRT, T. A. Die Schmetterlinge Mitteleuropas [The butterflies of central Europe]. Part 18. Stuttgart, 1965. p.97-128. 430 F77
- 59514 FROST, S. W. Insects and pollinia. Ecology 46 (4):556-558. Early summer 1965. 410 Ec7
Chiefly *Halisidota tessellaris*, visiting the flowers of *Asclepias* spp.
- 59515 GUICHARD, K. M. Butterflies in the Canary Islands. Entomologist [London] 98(1228):194-196. Sept.1965. 421 En8
- 59516 HATHAWAY, D. O. Laboratory and field cage studies of the effects of gamma radiation on codling moths. J. Econ. Entomol. 59(1):35-37. Feb.1966. 421 J822
Sterilization experiments on *Carpocapsa pomonella*.
- 59517 HIDAKA, T. Studies on the natural enemies of insects injurious to rice plant in Tohoku District in Japan. 1. On the parasites and predators attacking the rice stem borer and their ecological peculiarities. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 32:145-160. Ref. Mar. 1965. 107.6 M822
English summary.
Parasites and predators of *Chilo simplex*.
- 59518 HIGGINS, L. G. Boisduval, *Europaeorum* Lepidopterorum Index Methodicus. Entomologist [London] 98(1230):241-242. Nov.1965. 421 En8
Published in 1828 or 1829.
- 59519 HILTON, H. O. Pupal escape mechanism of certain saturniid moths. Fla. Entomol. 48(4):239-244. Dec.1965. 420 F662
Actias luna and *Telea polyphemus*.
- 59520 KEMP, C. D., and KEMP, A. W. Some properties of the Hermite distribution. Biometrika 52(3/4):381-394. Ref. Dec.1965. 442.8 B522
Includes table on distribution of European corn borer, *Ostrinia nubilalis*.
- 59521 KONIKOV, A. S., PLATONOVA-CHERNY-SHEVA, L. V., and MIKHAILOVA, A. M. Importance of diapause and adaptation to the food of Siberian silkworm larvae. (Rus) In Issled. po zashchite lesov Sibiri 1965:51-52. (Not in Libr.)
Dendrolimus sibiricus.
Abstracted in Ref. Zh. Biol. 21(sect.E):16. Nov.1965. 241.7 R25
- 59522 KRUEGER, H. R., and JAWORSKI, E. G. The fractionation and solubilization of *Prodenia eridania* chitin synthetase. J. Econ. Entomol. 59(1):229-230. Feb.1966. 421 J822
- 59523 KULMAN, H. M. Distribution of the European pine shoot moth [*Rhyacionia buoliana*], its parasites, and associated insects in red pine [*Pinus resinosa*] trees and stands. Entomol. Soc. Amer. Ann. 59(1):34-39. Ref. Jan.1966. 420 En82
- 59524 LEEUWANGH, J. The biology of *Epigynopteryx stictigramma* (Hmps.) (Lepidoptera: Geometridae) a pest of coffee in Kenya. Entomol. Soc. Southern Afr. J. 28(1):21-31. Nov. 1965. 420 En86
- 59525 LUND, H. O. Mass flights on the elm spanworm moth, *Ennomos subsignarius* (Hubner) in the Southeastern United States. Entomol. Soc. Wash. Proc. 67(4):234-237, map. Dec.1965. 420 W27
- 59526 MAASSEN, A. W. P. Macrolepidoptera in Dutch Limburg, (1956). (Du) Natuurhist. Genoot. Limburg Natuurhist. Maandbl. 55(2):27. Feb.25,1966. 409.6 N2123N
English summary.
- 59527 MARTYN, E. J. Studies on the ecology of *Oncopera intricata* Walker (Lepidoptera: Hepialidae). I-IV. Australian J. Zool. 13(5):801-822. Ref. Dec.1965. 410 Au73
- 59528 MEINWALD, J., and MEINWALD, Y. C. Structure and synthesis of the major components in the hairpencil secretion of a male butterfly, *Lycorea ceres ceres* (Cramer). Amer. Chem. Soc. J. 88(6):1305-1310. Mar.20,1966. 381 Am33J
With reference to courtship behavior.
- 59529 MEREDITH, S. L. Killing the goose. Entomol. Rec. J. Variation 78(1):26-27. Jan.1966. 421 En89
Capture of a pair of *Apatura iris*.
- 59530 MEREDITH, S. L. Pararge megera L. in central Birmingham. Entomol. Rec. J. Variation 78(1):27. Jan.1966. 421 En89
Great Britain.
- 59531 MILLER, W. E. Pine tip moths in Central America. *Dasonomia Interamer.* 1:58. Mar. 1965. 99.8 D264
Rhyacionia pseudostrobania synonym of *R. frustrana*.
- 59532 NEWMAN, L. H. Hawk-moths [Sphingidae] of Great Britain and Europe. London, Cassell, 1965. 148 p. QL561.S7N4
- 59533 OBRAZTSOV, N. S. On the geographic variation of *Eugnosta margaritana* with description of new subspecies (Lepidoptera, Phalonidae). Opusc. Zool. 75,6 p. Ref. Dec.15,1964. 410 Op7
- 59534 PAMMER, E. Spinning behavior and diapause induction in *Philosamia cynthia* Dru. (Saturniidae, Lep.). (Ge) Naturwissenschaften 52(23):649. Dec.1,1965. 474 N213
- 59535 PETERSON, A. Some eggs of moths among the Sphingidae, Saturniidae, and Citheroniidae (Lepidoptera). Fla. Entomol. 48(4):213-219. Ref. Dec.1965. 420 F662
- 59536 PHILLIPS, J. R., and NEWSOM, L. D. Diapause in *Heliothis zea* and *Heliothis virescens* (Lepidoptera: Noctuidae). Entomol. Soc. Amer. Ann. 59(1):154-159. Ref. Jan.1966. 420 En82

- 59537 PIECHOWSKA, M. J. Effect of ionizing radiation on the endocrine system in insects. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(3):139-144. 1965. 512 W262
Celerio euphorbiae as test insect.
- 59538 PRZELECKA, A., and DUTKOWSKI, A. Autoradiographic investigation of incorporation of fatty acids into the lipids of insect ovarioles. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(10): 573-575. 1965. 512 W262
Tests with *Galleria mellonella* and *Carausius morosus*.
- 59539 RABB, R. L. Diapause in *Protoparce sexta* (Lepidoptera: Sphingidae). Entomol. Soc. Amer. Ann. 59(1):160-165. Ref. Jan. 1966. 420 En82
- 59540 RIEDL, T. Contributions to the knowledge of the Palearctic Momphidae (Lepidoptera). III. Study of some European Momphidae. (Fr) Pol. Pismo Entomol. 35(2):419-468. Ref. 1965. 421 P76
Includes *Stagmatophora* (*Stagmatophora*) n. sgen., *S. (Isidiella)* n. sgen., *S. (Vulcaniella)* n. sgen., *S. (Hodgesiella)* n. sgen., *Mompha* (*Mompha*) n. sgen., *Sorhagenia* (*Sorhagenia*) n. sgen., *S. (Sorhageniella)* n. sgen., and n. spp. in *Stagmatophora* (*Parastagmatophora*) n. sgen., *Mompha*, *Chrysoclista*, and *Lerupsia* n. g.
- 59541 RINDGE, F. H. A revision of the Nearctic species of the genus *Glena* (Lepidoptera, Geometridae). Amer. Mus. Natur. Hist. Bull. 129(3): 265-306, map. Ref. 1965. 500 N483B
Includes *Glena zweifeli* n. sp.
- 59542 ROUCHY, R. Squelette et musculature cephaliques de deux types d'imagos de lepidopteres heteroneures [Skeleton and cephalic musculature of two types of imagos of Lepidoptera Heteroneura]. Dijon. Univ. Lab. Zool. Trav. 61, 59 p. Ref. 1964. 410.9 D56
Haritala ruralis and *Malacosoma neustria*.
- 59543 SEVASTOPULO, D. G. Field notes from East Africa. XII. Entomologist [London] 98(1230): 250-255. Nov. 1965. 421 En8
Chiefly Lepidoptera.
- 59544 SEVASTOPULO, D. G. Larvae [*Danaus chrysippus*] feeding on plants [*Calotropis procera*] with a latex-like sap. Entomol. Rec. J. Variation 78(1):27-28. Jan. 1966. 421 En89
- 59545 SHEL'DESHOVA, G. G. Geographical variability of the photoperiodical reaction and of seasonal cycle of the codling moth *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:5-25. Ref. 1965. 410.9 L543
- 59546 SKIDER, H. P. Varied growth of stored-grain moth (*Sitotroga cerealella* Oliv.) as a preliminary index for using it as test organism in estimating the quality of rice. Indian J. Agr. Sci. 35(3):206-209. Sept. 1965. 22 Ag83I
- 59547 SLOAN, N. F., and COPPEL, H. C. Oviposition patterns and egg predation of the larch case-bearer, *Coleophora laricella* Hbn. in Wisconsin. Forest. Res. Notes. 124, 4 p. June 1965. 99.8 F76292
Tested on various Coniferae spp.
- 59548 SLOAN, N. F., and COPPEL, H. C. Seasonal history and parasite complex of the larch case-bearer, *Coleophora laricella* Hbn. in Wisconsin. Forest. Res. Notes. 123, 6 p. June 1965. 99.8 F76292
- 59549 STAIRS, G. R. Quantitative differences in susceptibility to nuclear-polyhedrosis virus among larval instars of the forest tent caterpillar, *Malacosoma disstria* (Hubner). J. Invertebrate Pathol. 7(4):427-429. Dec. 1965. 421 J826
- 59550 STEVENS, R. E. The ponderosa pine tip moth, *Rhyacionia zozana*, in California (Lepidoptera: Olethreutidae). Entomol. Soc. Amer. Ann. 59(1):186-192, map. Jan. 1966. 420 En82
Life history.
- 59551 SWIHART, S. L. An electrophysiological investigation into the visual processes of a Neotropical butterfly. Diss. Abs. 26(3):1740. Sept. 1965. 241.8 M58
Heliconius erato.
- 59552 TANADA, Y., and LEUTENEGGER, R. A cytoplasmic-polyhedrosis virus in field populations of the armyworm, *Pseudaletia unipuncta* (Haworth) in Hawaii. J. Invertebrate Pathol. 7(4): 517-519. Dec. 1965. 421 J826
Compared with similar virus from same host in California.
- 59553 TAYLOR, H. L. Electrophysiological studies of dark adaptation in the noctuid moth, *Agrotis subterranea*. Diss. Abs. 26(3):1798. Sept. 1965. 241.8 M58
- 59554 TAYLOR, R. L. Partial-pupae of the greater wax moth, *Galleria mellonella* (Linnaeus). J. Invertebrate Pathol. 7(4):489-492. Dec. 1965. 421 J826
Appears to be an injury phenomenon.
- 59555 TORLESSE, A. D. The status of *Lithosia quadra* L. Entomol. Rec. J. Variation 78(1):26. Jan. 1966. 421 En89
- 59556 VAN SON, G. The comparative value of some structural characters of *Rhopalocera* (Lepidoptera) in specific diagnoses. Entomol. Soc. Southern Afr. J. 28(1):3-10. Nov. 1965. 420 En86
- 59557 WAKELY, S. Notes on the genus *Sorhagenia* (Lepidoptera). Entomol. Rec. J. Variation 78(1):9-11. Jan. 1966. 421 En89
- 59558 WALGENBACH, D. D. The biology and ecology of the pine tussock moth [*Dasychira plagiata*]. Diss. Abs. 26(9):4935-4936. Mar. 1966. 241.8 M58
- 59559 WALKER, D. W., and others. Improved xenic diets for rearing the sugarcane borer [*Diatraea saccharalis*] in Puerto Rico. J. Econ. Entomol. 59(1):1-4. Feb. 1966. 421 J822
A. Alemany, V. Quintana, F. Padovani, and K. S. Hagen, joint authors.
- 59560 WITTIG, G. Egestion time in two species of caterpillars. Entomol. Soc. Amer. Ann. 59(1): 39-42. Jan. 1966. 420 En82
Estigmene acrea and *Peridroma saucia*.
- 59561 WITTIG, G. Phagocytosis by blood cells in healthy and diseased caterpillars. I. Phagocytosis of *Bacillus thuringiensis* Berliner in *Pseudaletia unipuncta* (Haworth). J. Invertebrate Pathol. 7(4):474-488. Ref. Dec. 1965. 421 J826
- 59562 YAMADA, F., and KOYAMA, Y. Matsukareha no seitai to bojo. 1. Seitai hen [The ecology and control of *Dendrolimus spectabilis*. 1. Ecology]. Saikin No Ringyo Gigutsu 4, 34 p. Ref. Mar. 1965. 99.8 Sa2

Orthoptera

- 59563 ALBUQUERQUE, I. R. E. S. Novas ocorrencias de blattaria no Brasil e descricao de tres especies novas (Orth. Blattoidea) [New occurrences of Blattaria in Brazil and description of three new species (Orthoptera, Blattoidea)]. Belem. Mus. Paraense Emilio Goeldi. Bol. Nova Ser. Zool. 57, 11 p. Ref. July 16, 1965. 410.9 P215
Epilampra amoena, *Cahita gracilis* and *Imblattella ananindeua* n. spp.
- 59564 ALEXANDER, G. The status of *Pezotettix bohemani* Stal (Orthoptera: Acrididae), with designation of a lectotype and restriction of the type locality. Entomol. News [Philadelphia] 77(2):43-49. Ref. Feb. 1966. 421 En88
- 59565 ANDERSON, D. S. Observations on female accessory glands of some Acridoidea, with particular reference to *Pyrgomorpha dispar* I. Bolivar. Entomol. Mon. Mag. 101(1208/1210, i.e. 301/302):16-17. Jan./Mar. 1965. 421 En86
- 59566 BAYRAMOGLU-ERGENE, S. Influence of ocelli on the climbing speed of *Mantis religiosa* and *Anacridium aegyptium*. (Ge) Z. Vergleichende Physiol. 51(2):96-102. Oct. 18, 1965. 444.8 Z3

- 59567 BERTHEAU, P. Comparative study of the digestive tube and the appended intermediate (mesenteric) glands in Gryllotalpa and Gryllidae. (Fr) Soc. Zool. France. Bull. 90(2/3): 315-331. 1965. 410.9 P214B
- 59568 BLOCK, B. C. The relation of temperature to the chirp-rate of male snowy tree crickets, *Oecanthus fultoni* (Orthoptera: Gryllidae). Entomol. Soc. Amer. Ann. 59(1):56-59. Ref. Jan.1966. 420 En82
- 59569 BROWNING, T. O. Observations on the absorption of water, diapause and embryogenesis in the eggs of the cricket *Teleogryllus commodus* (Walker). J. Exp. Biol. 43(3):433-439. Ref. Dec.1965. 442.8 B77
- 59570 CASSIER, P. Effects of removal of one of corpora allata and the section of the symmetric allato-cardiac nerve on the fertility of isolated females of migrating locust (*Locusta migratoria migratorioides*) and on the characteristics of their progeny. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1276-1279. Mar.14,1966. 505 P21
- 59571 CASSIER, P. Interactions of grouping effects and of a seasonal factor in *Locusta migratoria migratorioides*. (Fr) Soc. Zool. France. Bull. 90(1):39-51. Ref. Oct.20,1965. 410.9 P214B Affecting fertility of females.
- 59572 CAZAL, M. Role of corpora cardiaca on the moisture content of some Orthoptera. (Fr) Acad. Sci. Compt. Rend. 261(19):3895-3898. Ref. Nov.8,1965. 505 P21 *Locusta migratoria*, *Gryllus bimaculatus*, *Periplaneta americana*.
- 59573 CHALAYE, D. Research on the destination of the products of neurosecretion from the ventral nerve chain of the migratory locust, *Locusta migratoria*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):161-164. Jan.3,1966. 505 P21
- 59574 CHAMBERS, D. L. The endocrine control of the early stages of oocyte maturation in *Leucophaea maderae* (Fab.). Diss. Abs. 26(3):1730-1731. Sept.1965. 241.8 M58
- 59575 CLARKE, K. U. The control of growth in *Locusta migratoria*. J. Zool. 147(2):137-146. Ref. Dec.1965. 410.9 L84P
- 59576 COURGEON, A. M. Study of respiration intensity of *Carausius morosus* Br., during the two last larval stages, after the removal of corpora allata. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11):1272-1275. Ref. Mar.14,1966. 505 P21
- 59577 DAKIN, M. E. Two new species of *Melanoplus* from Alabama (Orthoptera: Acrididae). Entomol. News [Philadelphia] 77(2):29-36. Feb. 1966. 421 En88 *Melanoplus cantralli* and *M. primaestivus* n. spp.
- 59578 DOLLFUS, R. P., ORMIERES, R., and THEODORIDES, J. Presence of cysticeroids of an *Hymenolepis* (Cestoda, Cyclophyllidae) in *Enyaliopsis maculipes* (Sjostedt) (Orthoptera) from the Belgian Congo. (Fr) Rev. Zool. Bot. Afr. 72(3/4):343-345. Dec.30,1965. 410 R326
- 59579 DUMORTIER, B. Sound emission by the genus *Gromphadorhina* Brunner (Blattodea, Perisphaeriidae); morphologic and biologic study. (Fr) Soc. Zool. France. Bull. 90(1):89-101. Ref. Oct.20,1965. 410.9 P214B
- 59580 FISCHER, E. Comparative examination of histochemical reactions of alkaline phosphomonoesterase in the organism of *Carausius morosus* L. (Insecta, Phasmidae). Acta Biol. 16(2):155-160. Ref. 1965. 475 Ac85
- 59581 GANGRADE, G. A. Digestive system of *Necrosia sparaxes* Westwood (Phasmidae: Phasmida). Entomologist [London] 98(1230):256-264. Nov.1965. 421 En8
- 59582 GIRARDIE, A., and CAZAL, M. The role of pars intercerebralis and corpora cardiaca on the melanism of *Locusta migratoria*. (Fr) Acad. Sci. Compt. Rend. 261(21):4525-4527. Ref. Nov.22,1965. 505 P21
- 59583 GIRARDIE, A. Contribution to the study to control the activity of corpora allata by pars intercerebralis in *Locusta migratoria* L. (Fr) Acad. Sci. Compt. Rend. 261(22):4876-4878. Nov.29,1965. 505 P21
- 59584 GIRARDIE, A. Reduction of molting intervals of *Locusta migratoria* L., by the implantation of pars intercerebralis. (Fr) Acad. Sci. Compt. Rend. 261(20):4247-4249. Nov.15,1965. 505 P21
- 59585 GUSTAFSON, J. F. Biological observations on *Timema californica* (Phasmoidea: Phasmidae). Entomol. Soc. Amer. Ann. 59(1):59-61. Ref. Jan.1966. 420 En82
- 59586 HEWITT, G. M. Population cytology of British grasshoppers. II. Annual variation in chiasma frequency. Chromosoma 16(5):579-600, map. Ref. 1965. 442.8 C46
- 59587 HIGHNAM, K. C., HILL, L., and GINGELL, D. J. Neurosecretion and water balance in the male desert locust (*Schistocerca gregaria*). J. Zool. 147(2):201-215. Ref. Dec.1965. 410.9 L84P
- 59588 ISHMUKHAMEDOVA, N. M. On the comparative morphology of the digestive system of several Acrididae. (Rus) Nauchnye raboty po biologii i geografii. Tematicheskii sbornik 1: 90-100. (Not in Libr.) Abstracted in Ref. Zh. Biol. 19(sect.E):4-5. Oct.1965. 241.7 R25
- 59589 JERATH, M. L. Note on the biology of *Zonocerus variegatus* (Linnaeus) from eastern Nigeria. Rev. Zool. Bot. Afr. 72(3/4):243-251. Ref. Dec.30,1965. 410 R326
- 59590 JOHN, B., and HEWITT, G. M. The B-chromosome system of *Myrmeleotettix maculatus* (Thunb.). I. The mechanics. Chromosoma 16(5):548-578, map. Ref. 1965. 442.8 C46
- 59591 JOHN, B., and HEWITT, G. M. The B-chromosome system of *Myrmeleotettix maculatus* (Thunb.). II. The statics. Chromosoma 17(2): 121-138. Ref. 1965. 442.8 C46
- 59592 KARELINA, R. I. Some data on the "Yakut brachypterous locust" [*Podismopsis jacuta*]. (Rus) Yakutskii Universitet. Uchenye Zapiski 15:109-112. 1965. (Not in Libr.) Acrididae; chiefly biology. Abstracted in Ref. Zh. Biol. 19(sect.E):25. Oct.1965. 241.7 R25
- 59593 KOLACHEV, M. P. Occurrence of *Schistocerca* in Turkmenia. (Rus) Ashkabad. Turkmen-skii Sel'skokhozyaistvennyi Institut. Trudy 13: 91-95. 1964. 106 T843 Abstracted in Ref. Zh. Biol. 20(sect.E):5. Oct.1965. 241.7 R25
- 59594 LASSER, N. L., and CLAYTON, R. B. The intracellular distribution of sterols in *Euryctis floridana* and its possible relation to subcellular membrane structures. J. Lipid Res. 7(3): 412-421. Ref. May 1966. 381 J8282
- 59595 LASSER, N. L., EDWARDS, A. M., and CLAYTON, R. B. Distribution and dynamic state of sterols and steroids in the tissues of an insect, the roach *Euryctis floridana*. J. Lipid Res. 7(3):403-412. Ref. May 1966. 381 J8282
- 59596 LEFEUVRE, J. C. Considerations on the results of the removal of corpora allata from a cockroach: *Blattella craniifer* Burm. (Insecta, Dictyoptera). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(5):563-566. Ref. Jan.31,1966. 505 P21
- 59597 MACKERRAS, M. J. Australian Blattidae (Blattodea). I-III. Australian J. Zool. 13(5): 841-927, map. Ref. Dec.1965. 410 Au73 Includes n. spp. in *Polyzosteria*, *Euzosteria* and *Zonioploca*.
- 59598 MALKE, H., and SCHWARTZ, W. Studies on the symbiosis of animals with fungi and bacteria. XI. The role of host lysozymes in the symbiosis of Blattidae. (Ge) Arch. Mikrobiol. 53(1):17-32. Ref. 1966. 442.8 Ar26 English summary.

- 59599 MANNA, G. K., and PARIDA, B. B. Aluminium chloride induced meiotic chromosome aberrations in the grasshopper, *Phloeoba antennata*. *Naturwissenschaften* 52(23):647-648. Dec.1, 1965. 474 N213
- 59600 MANSINGH, A. Metabolism of labeled glutamic acid in adult German cockroaches. *J. Econ. Entomol.* 59(1):234-235. Feb.1966. 421 J822 *Blattella germanica*.
- 59601 MAZURANICH, P. C., and COWAN, F. T. A metal cage for rearing grasshoppers. *J. Econ. Entomol.* 59(1):232-234. Feb.1966. 421 J822
- 59602 NAISSE, J., and MOUTON, J. Neuro-endocrine phenomena on the level of ventral nervous chain of the *Carausius morosus* (Phasmatidae, Orthoptera). (Fr) *Acad. Sci. Compt. Rend.* 261(19):3887-3890. Nov.8,1965. 505 P21
- 59603 PASTEELS, J. M. Description of a neuro-endocrine system in the infraesophageous ganglion of the Phasmitidae *Carausius morosus* (Insecta, Orthoptera). (Fr) *Acad. Sci. Compt. Rend.* 261(19):3884-3886. Nov.8,1965. 505 P21
- 59604 PENER, M. P. On the influence of corpora allata on maturation and sexual behaviour of *Schistocerca gregaria*. *J. Zool.* 147(2):119-136. Ref. Dec.1965. 410.9 L84P
- 59605 PETTE, D. Plan and pattern in cellular metabolism. (Ge) *Naturwissenschaften* 52(22):597-616. Ref. Nov.15,1965. 474 N213 Includes *Locusta migratoria*.
- 59606 RAABE, M. Studies on the neurosecretion in the ventral nervous chain of the phasmid, *Clitumnus extradentatus*: variations of activity of different elements of neurosecretion. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(2):303-306. Jan.10,1966. 505 P21
- 59607 SENDEL, P., and BULLIERE, D. Natural and induced oviposition of *Blabera craniifer* Burm. (Insecta, Dictyoptera). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(11):1286-1288. Mar.14,1966. 505 P21
- 59608 SHANKLAND, D. L. Nerves and muscles of the pregenital abdominal segments of the American cockroach, *Periplaneta americana* (L.). *J. Morphol.* 117(3):353-385. Ref. Nov. 1965. 444.8 J826
- 59609 SINGH, A., and KEVAN, D. K. M. The genus *Orthacris* Bolivar, 1884, and its allies (Orthoptera: Acridoidea, Pyrgomorphidae). *Roy. Entomol. Soc. London. Trans.* 117(13):367-416, map. Ref. Dec.31,1965. 420 L84 Includes n. spp. in *Neorthacris*.
- 59610 TINKHAM, E. R. Studies in Nearctic desert sand dune Orthoptera. X. Great Basin *Natur.* 25(3/4):63-72. Dec.31,1965. 410 G79 Includes n. sp. in *Ammopelmatus* n. g.
- 59611 TOKGAEV, T. Acrididae (Orthoptera) of the lower reaches of the Murgab River. (Rus) *In Nasekomye nizovii Murgaba* 1965:11-27. 422.52 Ak122 Abstracted in Ref. Zh. Biol. 19(sect.E):9. Oct.1965. 241.7 R25
- 59612 TREHERNE, J. E., and SMITH, D. S. The metabolism of acetylcholine in the intact central nervous system of an insect (*Periplaneta americana* L.). *J. Exp. Biol.* 43(3):441-454. Ref. Dec.1965. 442.8 B77
- 59613 WENDLER, G. The antennae's role in the perception of gravity in the stick insect *Carausius morosus* Br. (Ge) *Z. Vergleichende Physiol.* 51(1):60-66. 1965. 444.8 Z3 English summary.
- 59614 WHEELER, R. E. Studies on the physiology of hemolymph coagulation in *Periplaneta americana* (L.). *Diss. Abs.* 26(3):1265. Sept. 1965. 241.8 M58
- 59615 WHITE, M. J. D. Sex chromosomes and meiotic mechanisms in some African and Australian mantids. *Chromosoma* 16(5):521-547. Ref. 1965. 442.8 C46
- 59616 WILSON, D. M. Proprioceptive leg reflexes in cockroaches. *J. Exp. Biol.* 43(3):397-409. Ref. Dec.1965. 442.8 B77
- Smaller Orders**
- 59617 ACKER, T. S. Courtship and mating behavior in *Agulla* species (Neuroptera: Raphidiidae). *Entomol. Soc. Amer. Ann.* 59(1):1-6. Ref. Jan. 1966. 420 En82
- 59618 AHMAD, M. Termites (Isoptera) of Thailand. *Amer. Mus. Natur. Hist. Bull.* 131(1),113 p., map. Ref. 1965. 500 N483B Includes n. spp. in *Postelectrotermes*, *Glyptotermes*, *Cryptotermes*, *Coptotermes*, *Pro-rhinotermes*, *Schedorhinotermes*, *Macrotermes*, *Odontotermes*, *Hypotermes*, *Speculitermes*, *Microcerotermes*, *Amitermes*, *Havilanditermes*, *Nasutitermes*, *Bulbitermes*, *Termes*, *Microcapritermes*, *Dicuspiditermes*, *Procapritermes*, and *Pseudocapritermes*.
- 59619 ALLEN, R. K. New species of Heptagenia from western North America (Ephemeroptera: Heptageniidae). *Can. Entomol.* 98(1):80-82. Jan. 1966. 421 C16
- 59620 ALIBERT, J. Molting and proctodeal trophallaxis of *Calotermes flavicollis*. (Fr) *Acad. Sci. Compt. Rend.* 261(16):3207-3210. Oct.18, 1965. 505 P21
- 59621 AVETISYAN, G. A. Contribution to the list of fleas in Armenian SSR. (Rus) *Akad. Nauk Arm. SSR. Izv. Biol. Nauk.* 18(3):75-80. 1965. 20 Er4 Abstracted in Ref. Zh. Biol. 21(sect.K):18. Nov.1965. 241.7 R25
- 59622 BALASHOV, YU. S., and others. Feeding and impairment of the valve function of the pre-stomach in fleas. (Rus) *Med. Parazitol. Parazitarn. Bolezni* 34(4):471-476. July/Aug.1965. 448.8 M469 V. A. Bibikova, K. Murzakhmetova, and O. A. Polunina, joint authors. English summary.
- 59623 BHATNAGAR, R. D. S., and SINGH, J. P. Studies on the embryonic development of the earwig *Labidura riparia* (Pallas) (Labiduridae; Dermaptera). *Panjab Univ. Res. Bull. (n.s.)* 16 (1/2):19-30. Ref. June 1965. 513 Ea72
- 59624 BICK, G. H., and BICK, J. C. Demography and behavior of the damselfly, *Argia apicalis* (Say), (Odonata: Coenagriidae). *Ecology* 46(4):461-472. Ref. Early summer 1965. 410 Ec7
- 59625 BRETSCHKO, G. Larval development of *Cloeon* dipterum, *Cloeon simile*, *Centropitulum luteolum* and *Baetis rhodani*. (Ge) *Z. Wiss. Zool.* 172(1/2):17-36. Ref. 1965. 410 Z3
- 59626 CASSAGNAU, P., and JUBERTHIE, C. Neurosecretion and endocrine organs of *Tomocerus minor* (Collembola). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(7):793-796. Ref. Feb.14, 1966. 505 P21
- 59627 CASSAGNAU, P. The presence of giant chromosomes in the salivary glands of the *Neanura* (sucking Collembola). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(1):168-170. Jan.3,1966. 505 P21
- 59628 CHATTERJEE, P. N., and THAKUR, M. L. Biology and ecology of oriental termites (Isoptera); observations on the habits and biology of some termites of the Doon Valley. *Indian Forest.* 92(2):139-142. Feb.1966. 99.8 In2
- 59629 CHRISTIANSEN, K. Behavior and form in the evolution of cave Collembola. *Evolution* 19(4):529-537. Dec.1965. 443.8 Ev62
- 59630 EERTMOED, G. E. The life history of *Peripso-cus quadrifasciatus* (Psocoptera: Peripsocidae). *Kans. Entomol. Soc. J.* 39(1):54-65, map. Ref. Jan.1966. 420 K13
- 59631 FRUHBauer, Z. The occurrence of fleas on small mammals in western Erzgebirge. (Cz) *Cesk. Parazitol.* 12:315-318. 1965. 436.8 C33 German summary

- 59632 GAMA, M. M. DA. Collemboles de Portugal continental [Collembola of continental Portugal]. (Por) Coimbra. Univ. Mus. Zool. Mem. Estud. 292,252, map. Ref. 1964. 410.9 C66 English summary.
Includes n. spp. in Friesea, Pseudochorutes, Anurida, Neanura, Onychiurus, Proisotoma, Seira, Lepidocyrtus, and Sminthurides.
- 59633 GHARAGOZLOU, I. D. Evolution and role of adipose tissue during the post embryonal development of *Calotermes flavicollis* Farr. (Insecta, Isoptera). (Fr) Ann. Sci. Natur. Zool. Biol. Anim. (ser.12)7(4):675-741. Ref. Oct./Dec.1965. 410 An7 English summary.
- 59634 HALF the world's termites found in London! Pest Contr. 34(2):50. Feb.1966. 449.8 Ex8
In the collection of the Commonwealth Institute of Entomology, maintained by W. V. Harris.
- 59635 HEATON, S. S. Aliens, eggs, and bacteria; all in the life of a damp-wood termite. Pest Contr. 34(2):28a-30. Feb.1966. 449.8 Ex8
Zootermopsis angusticollis.
- 59636 HERFS, A. Results of new research on termites. (Ge) Z. Angew. Entomol. 56(3):276-284. Oct.1965. 421 Z36
Analysis of 9 articles or books.
- 59637 HOWSE, P. E. The structure of the subgenual organ and certain other mechanoreceptors of the termite *Zootermopsis angusticollis* (Hagen). Roy. Entomol. Soc. London. Proc. Ser. A, Gen. Entomol. 40(10/12):137-146. Ref. Dec.31,1965. 420 L84Pa
- 59638 JACQUIOT. On a new colony of *Reticulotermes santonensis*, de Feytaud, at Chouze-sur-Loire (Indre-et-Loire). (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(14):993-994. Oct.20/27,1965. 14 P215Bc
- 59639 KIM, K. E., BROWN, B. W., and COOK, E. F. A quantitative taxonomic study of the *Hoplopleura hesperomydis* complex (Anoplura, Hoplopleuridae), with notes on a posteriori taxonomic characters. Syst. Zool. 15(1):24-45. Ref. Mar.1966. 410 Sy8
Hoplopleura hesperomydis, *H. onychomydis* and *H. ferrisi*.
- 59640 KLEIN, M. M. *Synopsyllus robici* n. sp. (Insecta, Siphonaptera), a new flea from Madagascar, collected in center of the high plateau. (Fr) Soc. Pathol. Exot. Bull. 58(3):553-559. May/June 1965. 448.9 So13
- 59641 KNIGHT, A. W. Studies on the stoneflies (Plecoptera) of the Gunnison River drainage in Colorado. Diss. Abs. 26(3):1838. Sept.1965. 241.8 M58
- 59642 KNOWLTON, G. F. Termites and ants. Utah. State Univ. Ext. Entomol. Mimeo Ser. 89,1 p. Mar.1966. 275.29 Ut1En
Behavior.
- 59643 KORENKEVICH, YU. S. On the biomorphology of the digestive organs of several winged insects. (Rus) Nauchnye raboty po biologii i geografii. Tematicheskii sbornik 1:101-113. 1964. (Not in Libr.)
Odonata and Orthoptera.
Abstracted in Ref. Zh. Biol. 19(sect.E):4. Oct.1965. 241.7 R25
- 59644 LEWIS, R. E., and LEWIS, J. H. On a small collection of fleas from Turkey (Siphonaptera). Entomol. Soc. Wash. Proc. 67(4):247-250. Dec. 1965. 420 W27
- 59645 MIELEWCZYK, S. Remarks on the morphology of the larvae of *Agrion virgo* (L.) and *A. splendens* (Harr.) (Odonata, Agrionidae). (Ge) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(10):583-585. 1965. 512 W262
- 59646 MILLER, R. R. The taxonomy and distribution of the genus *Cheumatopsyche* in the northeastern United States (Trichoptera: Hydropsychidae). Diss. Abs. 26(8):4905. Feb.1966. 241.8 M58
- 59647 MOULINS, M. Contribution a l'etude des plecopteres de Bourgogne [Contribution to the study of Plecoptera from Burgundy]. Dijon. Univ. Lab. Zool. Trav. 67,30 p. Ref. 1965. 410.9 D56
- 59648 NEBEKER, A. V., and GAUFIN, A. R. New stoneflies from Idaho (Plecoptera). Entomol. News [Philadelphia] 77(2):36-43. Feb.1966. 421 En88
Includes *Capnia nedia* n. sp.
- 59649 PEDIGO, L. P. A new sminthurid from northwestern Indiana with a redescription of *Sminthurus trilineatus* Banks (Collembola: Sminthuridae). Kans. Entomol. Soc. J. 39(1):90-98. Jan.1966. 420 K13
Sminthurides hyogramme n. sp.
- 59650 POPOV, A. K. What we know about the distribution of lace-winged (Neuropteroidea) insects in Bulgaria. (Bu) Priroda [Sofia] 13(6):68-72. Nov./Dec.1964. 410 P934
- 59651 PRICE, R. D. The identity of *Colpocephalum hoffmanni* Zavaleta (Mallophaga: Menoponidae). Entomol. Soc. Wash. Proc. 67(4):233. Dec. 1965. 420 W27
- 59652 ROSICKY, B., and SMIT, F. G. A. M. Two new species of Ornithophaga (Siphonaptera: Leptopsyllidae). Cesk. Parazit. 12:245-253. 1965. 436.8 C33
- 59653 ROSS, H. H. Two new species of *Oecetis* occurring in eastern North America (Trichoptera, Leptoceridae). Ill. State Acad. Sci. Trans. 59(1):11-14. 1966. 500 IL6
Oecetis inconspicua and *O. ditissa*.
- 59654 SANDS, W. A. A revision of the termite subfamily *Nasutitermitinae* (Isoptera, Termitidae) from the Ethiopian Region. Brit. Mus. (Natur. Hist.) Entomol. Bull. Suppl. 4,172 p., map. Ref. 1965. 420 B773
Includes *Leptomyxotermes* n. g., *Rhadinotermes* n. g., *Baicalitermes* n. g., and n. spp. in *Nasutitermes*, *Fullitermes*, *Mycterotermes* n. g., *Trinervitermes*, and *Eutermellus*.
- 59655 SENGHER, C. M. Notes of fleas (Siphonaptera) from Montana. Kans. Entomol. Soc. J. 39(1):105-109. Jan.1966. 420 K13
- 59656 SHARAN, R. K., and BAID, I. C. Neurosecretory cells in supra oesophageal ganglion of *Lepisma domestica* Packard. Naturwissenschaften 52(21):594-595. Nov.1,1965. 474 N213
- 59657 SLONOV, M. N. Biology of flea *Ceratophyllus tamias* Wagn., 1927. (Rus) Med. Parazit. Parazitarn. Bolezni 34(4):485-486. Ref. July/Aug.1965. 448.8 M469
English summary.
- 59658 SMITHERS, C. N. Descriptions and new records of *Atropetae*, *Psocatropetae* and *Amphientometae* (Psocoptera) from Africa. Entomol. Soc. Southern Afr. J. 28(1):44-49. Nov.1965. 420 En86
Includes *Manicapsocus alettae* n. g., n. sp. from Southern Rhodesia.
- 59659 SOLNTSEVA, E. L. Collembola in the Moscow Region. (Key tables). (Rus) Mosk. Gos. Ped. In-t. im V. I. Lenina. Uch. Zap. 227:307-382. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 21(sect.E):5. Nov.1965. 241.7 R25
- 59660 SPURIS, Z. D. The damselfly *Coenagrion concinnum* Joh. in the Latvian SSR. (Rus) Latvijas entomologs 9:77-86. 1964. 421 L35
German summary.
Abstracted in Ref. Zh. Biol. 19(sect.E):9. Oct.1965. 241.7 R25

- 59661 STANGE, L. A. Revision of the Brachynemurini of North America (Neuroptera: Myrmeleontidae). Diss. Abs. 26(8):4910. Feb.1966. 241.8 M58
Includes new spp.
- 59662 TINDALL, A. R. The functioning of the leg in the larva of Limnephilus (Trich., Limnephilidae). Entomol. Mon. Mag. 101(1208/1210,i.e. 301/302):34-41. Jan./Mar.1965. 421 En86
- 59663 TINDALL, A. R. The tibio-tarsal articulation of the metathoracic leg of Triaenodes-bicolor (Curtis), (Trich. Leptoceridae). Entomol. Mon. Mag. 101(1208/1210,i.e.301/302):42-44. Jan./Mar.1966. 421 En86
- 59664 YENDOL, W. G., and PASCHKE, J. D. Pathology of an Entomophthora infection in the eastern subterranean termite Reticulitermes flavipes (Kollar). J. Invertebrate Pathol. 7(4): 414-422. Ref. Dec.1965. 421 J826
Entomophthora coronata and E. virulenta.

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 59665 ANDERSON, E. D. Engineering planning in agriculture. *Agr. Eng.* 47(4):216-217. Apr. 1966. 58.8 Ag83
- 59666 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, DIV. OF MECHANICAL ENGINEERING. Annual report 1964-65. Melbourne, 1965. 65 p. 291.9 Au7
Contains a section on agricultural engineering.
- 59667 BONNICKSEN, L. W. Simulators for farmstead systems analysis. *Amer. Soc. Agr. Eng. Pap.* 594,10 p. 1965. 290.9 Am32P
- 59668 GRAHAM, B. J. The Harrogate Fire—15th March, 1964. *Fire Contr. Notes* [Washington] 27(1):7,15, map. Jan. 1966. 1 F766F1 Australia.
- 59669 HALL, C. W. Interdisciplinary graduate programs in agricultural engineering and food science—Michigan State University. *Amer. Soc. Agr. Eng. Pap.* 586,7 p. Ref. 1965. 290.9 Am32P
- 59670 HUNT, D. R. The case for laboratory instruction in agricultural engineering. *Amer. Soc. Agr. Eng. Pap.* 513,8 p. 1965. 290.9 Am32P
- 59671 NACKE, G., and OBST, H. Technical revolution in the country—not without the woman farmer. (Ge) *Deut. Agrartech.* 16(3):103-104. Mar. 1966. 58.8 D482
Relation to engineering.
- 59672 SCHUMANN, W. The woman in agricultural engineering from the doctor's point of view. (Ge) *Deut. Agrartech.* 16(3):104-106. Mar. 1966. 58.8 D482
- 59673 SEWELL, J. I. Pond sealing by chemical treatment. *Amer. Soc. Agr. Eng. Pap.* 717, 14 p. 1965. 290.9 Am32P
- 59674 SEYMOUR, W. A. The land surveyor in Britain today. *Chartered Surv.* 98(11):622-623. May 1966. 325.8 C38
- 59675 TEGETHOFF, W. Rotary plow in farm road construction. (Ge) *Lohnunternehmen Land-Forstwirtschaft.* 21(3):70-71. Mar. 15, 1966. 58.8 D81
- 59676 THEAKSTON, F. H., and UNDERWOOD, J. A. A scientific approach to farmstead planning for environmental control. *Amer. Soc. Agr. Eng. Pap.* 407,12 p. 1965. 290.9 Am32P
Wind and snow protection.
- 59677 TURNER, J. H. How product knowledge affect consumer acceptance. *Amer. Soc. Agr. Eng. Pap.* 561,8 p. 1965. 290.9 Am32P
Public relations in agricultural engineering.
- 59678 WAKELAND, H. L. Engineering education in the future (a discussion of the "Goals of Engineering Education" study). *Amer. Soc. Agr. Eng. Pap.* 592,14 p. 1965. 290.9 Am32P
- 59679 WAKELAND, H. L. The future education of an engineer. *Agr. Eng.* 47(4):195,218,226,228. Apr. 1966. 58.8 Ag83
- 59680 WOLF, I. Some thoughts on the problems woman and engineering. (Ge) *Deut. Agrartech.* 16(3):101-103. Mar. 1966. 58.8 D482
- 59681 YOERGER, R. R., and REINTS, R. E. Bridging the gap with a general-purpose analog. *Amer. Soc. Agr. Eng. Pap.* 597,17 p. Ref. 1965. 290.9 Am32P
In engineering.

FARM MACHINES AND EQUIPMENT

- 59682 ACKERL, I. Mechanization of seedling care. (Hu) *Kerteszet Szolesz.* 15(6):8-9. Mar. 1966. 80 K474
Vegetables.
- 59683 ALLAN, T. Machinery: whither now? *Agr. Merchant* 46(2):41,45-46. Feb. 1966. 10 Ag89
Great Britain.
- 59684 ANDREWS, B. Rhodesian industry responds to the challenge of sanctions. *Rhodesian Tobacco J.* 18(3):37,39-40. Mar. 1966. 69.8 R34
Agricultural equipment manufacture.
- 59685 ARDE, T. Higher income with machines. (It) *Esso Agr.* 14(1):11-12. Dec. 1965. 58.8 Es7
Mechanization.
- 59686 ARKEMA, P. W. B. Transportation in agriculture and horticulture. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 23(1):32-34. Jan. 1966. 12 N383M
On-farm materials handling mechanization.
- 59687 AUBINEAU, M. New means of mechanization of handling equipment will lead to reorganization of farming. (Fr) *Agriculture* [Paris] 29(286):77,79,81. Feb. 1966. 14 Ag823
Chiefly loading equipment, in France.
- 59688 AUER, C. H. Agribusiness and leasing. *West. Grower Shipper* 36(11):79-80. Nov. 1965. 280.38 W52
Equipment leasing, chiefly.
- 59689 EL AWADY, M. N. A. A. Transport of particulate materials in axis-symmetric turbulent air jets. *Diss. Abs.* 26(8):4522. Feb. 1966. 241.8 M58
In agricultural engineering.
- 59690 BAKER, C. L. Steps in testing agricultural equipment. *Can. Farm Equip. Dealer* 62(4):68-69. Apr. 1966. 58.8 C163
- 59691 BAKHIREV, N., SVENITSKY, I., and PRISHCHEP, L. Utilization of electric energy in vegetable growing. 9 p. *Transl.* 14398
Greenhouse equipment.
No source of translation given.
- 59692 BAKOV, I. Towards longer service life and more efficient use of farm machinery. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach.* 178:1-9. Mar. 19, 1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Operation and maintenance.
Translation from *Pravda Vostoka*, December 26, 1965:2.
Issued by CFSTI.
- 59693 BARADA, L. Mechanization of potato growing is progressing well. (Hu) *Magyar Mezogazdasag* 21(11):9. Mar. 11, 1966. 19 M27
- 59694 BARNES, K. K. What's happening in farm machinery—and what should happen. *Farm Technol.* 21(8):26-27,34,62. Sept. 1965. 275.28 N213
- 59695 BASSE, U. Customer service and maintenance work on electrically driven machines and implements. (Ge) *Landmasch.-Markt* 45(6):281-283. Mar. 16, 1966. 58.8 L239
- 59696 BERLAGE, A. G. Conveying soft fruits requires a soft touch. *West. Farm Equip.* 63(4):FMW15-FMW16. Apr. 1966. 58.8 Im73
- 59697 BERTANI, S. More forage for the appetite of cattle. (It) *Esso Agr.* 14(1):10. Dec. 1965. 58.8 Es7
Mechanization.
- 59698 BETIN, S. G. For better construction of universal agricultural loaders. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach.* 193:11-16. Apr. 26, 1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from *Traktory i Sel'khoz mashiny* 2:18-19. 1965.
Issued by CFSTI.

- 59699 BOLLER, W. Legal regulation of machine protection? (Ge) *Landtechnik* 21(6):181-182. Mar.15,1966. 58.8 L235
Operational hazards.
- 59700 BOWMAN, D. E., HOFFMAN, J. E., and HENNINGSEN, E. A. New direct-drive silo unloader. *Amer. Soc. Agr. Eng. Pap.* 616, 14 p. 1965. 290.9 Am32P
- 59701 BULGARU, M. Continuous improvement of the energy base of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:31-34. Apr.12,1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Mechanization in Rumania.
Translation from *Viata Economica* 9:9. Mar. 1966.
Issued by CFSTI.
- 59702 BUNN, J. M., and HENSON, W. H. Digital readout from a multipoint recorder. *Agr. Eng.* 47(4):214-215. Apr.1966. 58.8 Ag83
- 59703 BURKA, N. Problems in repairing agricultural machines in Moldavia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 187:7-8. Apr.12, 1965. (JPRS 29,540; TT 65-30707) 173 J663Tsi
Repair-technical stations.
Translation from *Sovetskaya Moldaviya*, Mar.25,1965.
Issued by CFSTI.
- 59704 BURONI, N. Laying the foundation for second-hand farm machine market. (It) *Esso Agr.* 15(1):22-23. Feb.1966. 58.8 Es7
- 59705 CAMERON, D. O. An analysis of direct investment abroad with special reference to the agricultural equipment industry. Diss. Abs. 26(3):1397-1398. Sept.1965. 241.8 M58
- 59706 CARILLON, R. Le marche du machinisme agricole en France [The agricultural equipment market in France]. *Nouvelles Marches Agr.* 101(study 1053),11 p.,map. July 16,1965. 286.8 N85
Includes trade.
- 59707 CHAO, C. H. Heilungkiang agricultural machinery station sees year of great change. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105:1-12. Jan.13,1966. (JPRS 33,727; TT 66-30171) 173 J663Tco
Translation from *Chung-kuo Nung Yeh Chi Hsieh* 6:13-16. June 10,1965.
Issued by CFSTI.
- 59708 CLITHERO, W. A. Scientific machinery management. *Amer. Soc. Agr. Eng. Pap.* 613, 8 p. 1965. 290.9 Am32P
- 59709 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) *Office Int. Vigne Vin. Bull.* 39(421):261-299. (Cont.) Mar.1966. 390.8 B87
Mechanization of different agricultural processes of the vine; Spanish report by J. M. Vidal-Barraquer Marfa; Greek report by J. Kelperis.
- 59710 COOLMAN, F. Aspects of agricultural mechanization in the United States of America. VI. (Du) *Landbouwmecanisatie* 17(4):415-420. Apr.1966. 58.8 L2352
- 59711 COOLMAN, F. Aspects of farm mechanization in the United States of America. V. (Du) *Landbouwmecanisatie* 17(3):267-273. Mar.1966. 58.8 L2352
- 59712 CORNISH, G. K., and CHARITY, L. F. Pressure drop in elbows of a pneumatic conveying system. *Amer. Soc. Agr. Eng. Pap.* 341,7 p. Ref. 1965. 290.9 Am32P
- 59713 CRUCQ, J., HELDEN, P. J. J. VAN, and STROOKER, E. Farm equipment. II. (Du) *Landbouwmecanisatie* 17(3):255-261. Mar. 1966. 58.8 L2352
- 59714 CUENOT, G. Delicate adaptations of machines in the culture of vegetables and flowers. (Fr) *Agriculture [Paris]* 29(286):75-76. Feb.1966. 14 Ag823
Mechanization in France.
- 59715 CZECHOWICZ, A. Agricultural machines industry in Poland. *Indian Farm Mech.* 16 (10/11):13-14. Nov.1965. 58.8 In2
- 59716 DAUM, D. R., and PUCKETT, H. B. Solid-state controls for materials-handling systems. *Amer. Soc. Agr. Eng. Pap.* 342,8 p. 1965. 290.9 Am32P
- 59717 DEMEL, H. DLG-approved machines for forage preparation. (Ge) *Landmasch.-Markt* 45(8):416-417. Apr.13,1966. 58.8 L239
Haymaking, loading and processing equipment.
- 59718 DMITRIYEV, YU., and BRUN'KO, V. Improvement in accounting procedures at Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:8-11. May 27,1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 16:19. Apr.1965.
Issued by CFSTI.
- 59719 DOLOTIN, N. Chaos in spare parts production—a national crisis. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 216:21-30. July 19,1965. (JPRS 31,135; TT 65-31633; CSO 1830-N) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 22:16-17. June 2,1965.
- 59720 EATON, J. T. H. How to prevent ball bearing failures. *Amer. Soc. Agr. Eng. Pap.* 634, 21 p. 1965. 290.9 Am32P
- 59721 FARMERS' buying habits—a complete study. (Condensed.) *Farm Power Equip.* 41(4):40-53. Apr.1966. 58.8 F2292
Made by the National Farm and Power Equipment Dealers Association.
- 59722 FUCHS, P. Future belongs to intensive cattle rearing. (Ge) *Landmasch.-Rundsch.* 18(3): 77-78,80,82. Mar.1966. 58.8 L237
Mechanization of forage production and feed preparation, chiefly.
- 59723 GEL'MAN, V. M. Resources for intensifying labor. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 162:1-5. Jan.12,1965. (JPRS 28,256; TT 65-30119) 173 J663Tsi
Translation from *Mekhanizatsiya Sil'skoho Hospodarstva* 10:17-18. Oct.1964.
- 59724 GORBUNOV, V. Better equipment for the cotton growers. (Rus) *Tekh. Sel'skom Khoz.* 3:14-17. Mar.1966. 58.8 M11
- 59725 GROBBECKER, K. Determination of concept, systematics, and terminology of inter-farm equipment use. (Ge) *Landarbeit* 16(10):81-84. Ref. Oct.1965. 18 L2355
- 59726 HECHELMANN, H. G., and SPECHT, A. The mechanization of potato production in the U.S.A. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(11):466-468. Mar.17,1966. 18 N39
- 59727 HEFTI, J. Equipment tested and certified in 1964 and 1965 by the IMA. (Ge) *Grune* 94(9): 279-310. Mar.4,1966. 17 Sch9
Switzerland.
- 59728 HEINRICH, W. Plant protection equipment offering in 1966. (Ge) *Landmasch.-Markt* 45(5): 230-232. Mar.2,1966. 58.8 L239
Sprayers, weed control and fertilizer application equipment.
- 59729 HEREDIA, E. A. Problems and perspectives of mechanization of agriculture in zones in course of development. (Fr) *Mediterranea* 6:96-101. Apr./June 1965. 281.8 M462
English summary.
- 59730 HOFFMANN, W. Surface design on machine parts. I. (Ge) *Landmasch.-Markt* 45(6):299-300. Mar.16,1966. 58.8 L239
- 59731 HOFFMANN, W. Surface design on machine parts. II. (Ge) *Landmasch.-Markt* 45(7):363-364. Mar.30,1966. 58.8 L239
- 59732 HYDRAULICS. VI. Toward greater design flexibility. *Impl. Tractor* 81(9):32-33,61. Apr.7, 1966. 58.8 W41

- 59733 ILSOE, K. Mechanization of beet fields. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:89-94. 1965. 33.11 AL7
- 59734 JOHNSON, L. Is mechanization possible where rice is king? Agr. Eng. 1(3):132-135. Mar. 1966. 58.8 Ag83
Rice mechanization in the Tropics.
- 59735 KAMPE, H. Bolivia's struggle to mechanize. Sugar Azucar 61(4):32,34. Apr.1966. 65.8 F11
Text also in Spanish p.61-62.
Sugarcane.
- 59736 KHOROSHEV, I., and others. Use of malleable perlite iron in agricultural machine parts urged. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 166:17-18. Feb.3,1965. (JPRS 28,610; TT 65-30269; CSO 1830-N) 173 J663Tsi
G. Shifrin, M. Verkholomov, and I. Dudnikov, joint authors.
Translation from Ekonomicheskaya Gazeta 47:41. Nov.1964.
- 59737 KNIELY, A. The Confederates stand fast to machine rings. (Ge) DLZ (Deut. Landtech. Z.) 17(3):166,168. Mar.1966. 58.8 T677
Switzerland.
- 59738 KOLTAY, J., and FABIAN, L. Automation of work processes of locomotive agricultural machinery. (Hu) Jarmuvek, Mezogazdasagi Gepek 13(4):140-145. Apr.1966. 58.8 J29
English summary, p.4 of content.
- 59739 KOMAROVSKII, A. A report on the Tashkent agricultural machinery plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 217:1-11. July 26,1965. (JPRS 31,232; TT 65-31729) 173 J663Tsi
Policies.
Translation from Ekonomicheskaya Gazeta 21:9-10. May 26,1965.
Issued by CFSTI.
- 59740 KOSACHEV, G. G. Ekonomicheskaya effektivnost' universalizatsii sel'skokhozyaistvennykh mashin[Economic effectiveness in application of universal type equipment on the farm]. Moskva, Ekonomika, 1966. 136 p. S760.U4K6
- 59741 KOVALENKO, N. More efficient planning and design of farm machinery advocated. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 178:10-15. Mar.19,1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 1:17. Jan.1965.
Issued by CFSTI.
- 59742 KOVALENKO, N. New improved types of agricultural machinery planned in the USSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 203:6-11. June 1,1965. (JPRS 30,363; TT 65-31135; CSO 1830-D) 173 J663Tsi
Translation from Rabochaya Gazeta, Apr.21, 1965:1.
- 59743 KURBATOV, L. Experience in mechanization of the poultry house. (Rus) Tekh. Sel'skom Khoz. 3:27-30. Mar.1966. 58.8 M11
- 59744 KUZNETSOV, M., and TALALAEV, G. Mechanization of dairy barn in the northwestern zone. (Rus) Tekh. Sel'skom Khoz. 3:30-32. Mar.1966. 58.8 M11
- 59745 LANGENEGGER, G., and MAIER, L. Chopped hay chain in forage harvesting. (Ge) Landmasch.-Rundsch. 18(3):71-73. Mar.1966. 58.8 L237
Choppers, loading, and transportation equipment.
- 59746 LARSON, R. E. Systems and materials handling—the over-all concept. Amer. Soc. Agr. Eng. Pap. 802,8 p. 1965. 290.9 Am32P
- 59747 LIU, C. Y., and others. Several semi-mechanized farm machines of Hupeh Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:1-8. Dec.22,1965. (JPRS 33,457; TT 65-34031) 173 J663Tco
T. Y. Liu, C. T. Tseng, C. Y. Yang, P. H. Teng, and L. H. Ts'ui, joint authors.
Translation from Nung Yeh Chi Hsieh Chi Shu 7:24-25. July 1965.
Issued by CFSTI.
- 59748 LIU, H. L., and others. Some agricultural machines in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:12-15. Dec.22,1965. (JPRS. 33,457; TT 65-34031) 173 J663Tco
J. C. Liu, H. Y. Chu, L. Y. Chou, H. S. Lo, C. C. Kuang, C. F. Chou, and Y. L. Fan, joint authors.
Translation from Nung Yeh Chi Hsieh Chi Shu 7:28-29. July 13,1965.
Issued by CFSTI.
- 59749 LOZOVVOY, V. L. New agricultural equipment for 1965. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 193:7-10. Apr.26,1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 2:17-18. 1965.
Issued by CFSTI.
- 59750 MA, C. C. The prospects of agricultural mechanization in communist China. (Ch) China Mon. 7:2-13. Ref. July 1,1965. 280.8 T78
- 59751 MANESCU, R. Criteria of value in machine and tractor station activities. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:30-38. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Mechanization costs in Rumania.
Translation from Lupta de Clasa 46(1):37-45. Jan.1966.
Issued by CFSTI.
- 59752 MANFREDI, E. Mechanization of corn culture. (It) Prog. Agr. [Bologna] 12(1):45-56. Jan. 1966. 58.8 P94
- 59753 MANUKOV, N. The best way to organize repair of farm machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:7-9. Apr.2,1965. (JPRS 29,393; TT 65-30631) 173 J663Tsi
Repair-technical stations.
Translation from Vystavka Dostizhenii Narodnogo Khozyaistva SSSR 2:29-30. Feb.1965.
Issued by CFSTI.
- 59754 MARLEY, S. J. Field work completion probabilities for row crop production. Diss. Abs. 26(9):5317-5318. Mar.1966. 241.8 M58
Programming for probability of good weather for equipment use.
- 59755 MASAULOV, I. Shortage of machines and spare parts at Belorussian farms. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 178:16-19. Mar.19,1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Translation from Sel'skaya Zhizn', Jan.20, 1965:2.
Issued by CFSTI.
- 59756 MCKENZIE, B. A. Farmstead equipment standards—the confusion, the need. Amer. Soc. Agr. Eng. Pap. 815,5 p. 1965. 290.9 Am32P
- 59757 MCKENZIE, B. A. From the fewer, bigger farms: more stability, mechanization in livestock production. Impl. Tractor 81(9):36. Apr.7,1966. 58.8 W41
- 59758 MEDICI, G. Productivity and assistance of technic in modern agriculture. (It) Esso Agr. 14(1):15-18. Dec.1965. 58.8 Es7
- 59759 MENDEZ PARAMO, F. Agricultural equipment in the Mexico of yesterday. (Sp) Panagra 5 (64):36-39. Feb.1966. 8 P196
- 59760 MENDEZ PARAMO, F. Manufacture of agricultural equipment. (Sp) Panagra 5(65):38-41. Mar.1966. 8 P196
Industry in Mexico.

- 59761 MENSCH, R. L. and REECE, F. N. Automatic sequence control for feed handling systems. Amer. Soc. Agr. Eng. Pap. 839,21 p. 1965. 290.9 Am32P
- 59762 MERCER, R. The mechanization market in Ontario. Can. Farm Equip. Dealer 62(3):52-55. Mar.1966. 58.8 C163
- 59763 MERKULOV, A. M. Mechanization and automation—road to a high production. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 204:1-7. June 3,1965. (JPRS 30,408; TT 65-31162) 173 J663Tsi
Policies.
Translation from Mashinostroitel' 2:1-4. Feb.1965.
Issued by CFSTI.
- 59764 MESZAROS, I. Some novelties in the American farm machinery production. (Hu) Mezogazdasagi Vilagirodalom 7(6):538-542. (Cont.) 1965. 19 M577
- 59765 MESZAROS, I. Some novelties in the American farm machinery production. (Hu) Mezogazdasagi Vilagirodalom 8(1):68-71. (Concl.) 1966. 19 M577
- 59766 MINDEN, A. J. Domestic demand functions for new farm machinery. Diss. Abs. 26(9): 5087. Mar.1966. 241.8 M58
- 59767 MIRGORODSKII, A. Improving system of technical services. (Rus) Tekh. Sel'skom Khoz. 3: 47-49. Mar.1966. 58.8 M11
Maintenance of farm equipment.
- 59768 NIEUWENHUIJSE, L. The "machine ring" in West Germany. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(1):42-44. Jan.1966. 12 N383M
- 59769 NORRBY, G. Look realistically on material handling. (Sw) Jord Skog 17(9):12-13,26. 1965. 58.8 M373
On the farm.
- 59770 OLIVIER, P. Equipment for viticulture. (It) Prog. Agr. [Bologna] 11(6):651-652. June 1965. 58.8 P94
- 59771 OLIVIER, P. Mechanized viticulture in France. (It) Prog. Agr. [Bologna] 12(2):215-217. Feb.1966. 58.8 P94
- 59772 ORLANDO-CASCIO, S. State and regional legislation related to agricultural mechanization, rural construction, and agricultural hydraulics. (It) Tec. Agr. 17(5/6):469-476. Sept./Dec. 1965. 16 T22
- 59773 PAKHOMOV, A. N. Mechanization improves economy of the district. (Rus) Zhivotnovodstvo 2:51-53. Feb.1966. 49 Z6
Livestock.
- 59774 PARKHIMCHIK, N. Agricultural machinery fairs organized by Belsel'khoztekhnika in Minskaya oblast. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 168:12-13. Feb.18,1965. (JPRS 28,808; TT 65-30352) 173 J663Tsi
Translation from Sel'skaya Gazeta, Nov.4, 1964:4.
Issued by CFSTI.
- 59775 PHILLIPS, R. A. A low-cost hydraulic cylinder. W. Va. Agr. Expt. Sta. B. 493T,9 p. May 1964. 100 W52
Northeast Regional Project.
- 59776 PICHON, J. D., and STEINBRUEGGE, G. W. Propagating audio-frequency magnetic fields through soil. Amer. Soc. Agr. Eng. Trans. ASAE 8(2):264-266. Ref. 1965. 290.9 Am32T
In relation to possible use of a magnetic guidance system for unmanned agricultural field equipment.
- 59777 PILIPENKO, G. Defective products of "Uzbek-khlopkomash" agricultural machinery plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:1-4. July 19,1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Pravda Vostoka, June 10, 1965:2.
Issued by CFSTI.
- 59778 PLATZER, F. Organization and economics of mechanization in Sicily. (It) Prog. Agr. [Bologna] 9(2):205-210. Feb.1965. 58.8 P94
- 59779 PLOTNIKOV, N. Poor quality of farm equipment and inefficient mechanization criticized. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 158:3-8. Dec.14,1964. (JPRS 27,823; TT 64-51932; CSO 1830-S/PE) 173 J663Tsi
Translation from Sel'skaya Zhizh', Oct.16, 1964:2.
- 59780 POPOV, N. Improvement of agriculture through mechanization, standardization and unification. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 246:1-7. Dec.9,1965. (JPRS 33,260; TT 65-33835) 173 J663Tsi
Policies and outlook.
Translation from Ekonomicheskaya Gazeta 45:16-17. 1965.
Issued by CFSTI.
- 59781 QUASCHING, E. Equipment maintenance in contract labor. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(3):52-54,56. (Cont.) Mar.15, 1966. 58.8 D81
- 59782 QUASCHING, E. Equipment maintenance in contract labor. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(4):98-100. (Concl.) Apr.15,1966. 58.8 D81
- 59783 REINKAINEN, A. Finnish machinery for farm and forest. Finn. Trade Rev. 151:6-8. 1966. 286.8 F495
- 59784 RENAUD, J. Save your energy, reduce waste; major preoccupations within the farm. (Fr) Agriculture [Paris] 29(286):83-85. Feb.1966. 14 Ag823
Mechanization of farm in France.
- 59785 ROBERTS, D. L., and SUGGS, C. W. Human responses in the manual lever control system. Amer. Soc. Agr. Eng. Pap. 611,24 p. Ref. 1965. 290.9 Am32P
- 59786 ROHNER, J. The status of the equipment dealer in the changed market. (Ge) Landtechnik 21(7):198-200. Apr.1,1966. 58.8 L235
- 59787 ROMANELLO, G. Winter maintenance and money for machines left in the shed. (It) Esso Agr. 14(1):26-28. Dec.1965. 58.8 Es7
- 59788 ROSSINI, R. Equipment for viticulture. (It) Tec. Agr. 17(5/6):560-577. Ref. Sept./Dec. 1965. 16 T22
- 59789 RYABUSHKIN, M. Step up in production of machinery for kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:4-7. May 27, 1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from Vyshka, Apr.8,1965:2.
Issued by CFSTI.
- 59790 SCHULZ, H. Unloading and conveying from loading wagons. (Ge) Landtechnik 21(7):192-194,196-198. Apr.1,1966. 58.8 L235
Chiefly forage crops.
- 59791 SCHURZINGER, H. The long-cut chain in forage culture. (Ge) Landmasch.-Rundsch. 18 (3):68-70. Mar.1966. 58.8 L237
Chiefly loading and handling equipment.
- 59792 SERYAKOV, I. The prices of repairs to agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 177:7-11. Mar.18,1965. (JPRS 29,173; TT 65-30534; CSO 1830-D/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 4:31-32. Jan.1965.
- 59793 SHEYNIS, M. For improving the work of Sel'-khoztekhnika. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:12-14. May 27,1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from Sel'skokhozyaystvennoye Proizvodstvo Nechernozemnoy Zony 3:9. 1965.
Issued by CFSTI.

- 59794 SIEG, R. Work alleviation and acceleration by self-propelled machines for slopes. (Ge) Traktor Landmasch. 28(6):335-340. Apr.1966. 58.8 T678Ag
- 59795 SKOVGAARD, I. Economy of mechanization. (Da) Dansk Landbrug 85(3):79-83. Mar.1966. 280.28 V91
Costs.
- 59796 SOLOV'EV, B. Full mechanization is the most important reserve for increase of economic effectiveness of corn growing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 194:17-24. Apr.28,1965. (JPRS 29,790; TT 65-30835) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve, Jan.1,1965:11-15.
Issued by CFSTI.
- 59797 STEFANELLI, G. Present trends in agricultural mechanization (introduction). (It) Tec. Agr. 17(5/6):331-346. Sept./Dec.1965. 16 T22
- 59798 STEINMETZ, H. Plastic tanks. (Ge) DLZ (Deut. Landtech. Z.) 17(3):143,145. Mar.1966. 58.8 T677
Various uses on the farm.
- 59799 STOLBUSHKIN, N. New machinery for the village. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 188:3-5. Apr.15,1965. (JPRS 29,613; TT 65-30748) 173 J663Tsi
Translation from Sovetskaya Latviya, Feb.17, 1965:1.
Issued by CFSTI.
- 59800 SUGGS, C. W. The effect of load on muscle output. Amer. Soc. Agr. Eng. Pap. 612,14 p. 1965. 290.9 Am32P
- 59801 SYDIKOV, U. Complex mechanization and chemistry as basis for intensification of the farm production. (Rus) Obshchestvo Nauki v Uzbekistane 2:20-26. 1965. (Not in Libr.)
Cited in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod, 14:11. July 1965. Film S-202
- 59802 TARASOV, N. Decisions of the plenum of the central committee of the CPSU [Kommunisticheskaya Partiya Sovetskogo Soyuz. Tsentral'nyi Komitet] in action—problems of the agricultural machinery industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:12-16. July 19,1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Trud, June 13,1965:2.
Issued by CFSTI.
- 59803 VAN ARSDALL, R. N. Economics of materials handling systems. Amer. Soc. Agr. Eng. Pap. 803,11 p. Ref. 1965. 290.9 Am32P
Includes labor and costs.
- 59804 VECCHI, N. DE. The machines on the farm are double-edged weapons. (It) Esso Agr. 15(1):8-10. Feb.1966. 58.8 Es7
Advantages of mechanization.
- 59805 VOIT, I. A termeloszovetkezetek gepesitese-nek idoszeru kerdesei [Timely problems in the mechanization of production cooperatives]. Budapest, Kossuth Konyvkiado, 1965. 189 p. S760.H8V6
- 59806 VOLANTI, U. Mechanized corn. (It) G. Agr. 76(14):153. Apr.3,1966. 16 It1G
- 59807 VOSS, H., and SACHT, H. O. Investigations on unloading of long and chopped haulm products. (Ge) Landtechnik 21(6):158-160,162,164. Mar.15,1966. 58.8 L235
Includes chopper-blower system.
- 59808 WAKEFIELD, H. R. Matching equipment to systems. Amer. Soc. Agr. Eng. Pap. 814, 5 p. 1965. 290.9 Am32P
Materials handling.
- 59809 WATSON, W. Tools for gardening. Agr. Gaz. New S. Wales 77(1):56. Jan.1966. 23 N472
- 59810 WELLONS, F. W. A seal development for agricultural bearings. Amer. Soc. Agr. Eng. Pap. 633,8 p. 1965. 290.9 Am32P
- 59811 WITTGEN, H. W. Mechanization and the Agricultural Credit Fond [Borgstellingsfonds]. (Du) Landbouwmecanisatie 17(4):407-409. Apr.1966. 58.8 L2352
- 59812 WITZ, R. L. Flat-bottom, self-unloading bins for metering grain, hay and silage. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):86-89. 1965. 290.9 Am32T
- 59813 WOJCIECHOWSKI, F. Tasks of the State machinery centers in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:7-15. Dec.15,1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Poland.
Translation from Nowe Rolnictwo 20:1-3. Oct.16/31,1965.
Issued by CFSTI.
- 59814 WOOD, C. Machinery syndicates—a progress report. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):122-124. Mar.1966. 10 G79J
Cooperatives.
- 59815 YASYUNAS, E. Production of machinery to help vegetable growers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 181:21-23. Mar.30,1965. (JPRS 29,341; TT 65-30609) 173 J663Tsi
Translation from Leninskoye Znamya, Dec.20,1964:20.
Issued by CFSTI.
- 59816 YEZHEVSKII, A. From the plant to the consumer. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 100:17-21. Oct.26,1965. (JPRS 32, 541; TT 65-33020; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', Sept.12, 1965, p.3.
Machinery and fertilizer marketing.
- 59817 YEZHEVSKII, A. Technical maintenance in agriculture to be improved in the Soviet Union. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 203:1-5. June 1,1965. (JPRS 30,363; TT 65-31135; CSO 1830-D) 173 J663Tsi
Repair-technical stations.
Translation from Sel'skaya Zhizn', Apr.17, 1965:2.
- 59818 ZATSIOSKII, I. Difficulties at "Sel'khoztekhnika." U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:10-15. May 20,1965. (JPRS 30, 184; CSO 1840-D) 173 J663Tso
Agricultural Equipment Association.
Translation from Ekonomicheskaya Gazeta 12:32. Mar.24,1965.
- 59819 ZEHETNER, J. Loading of green feed, hay and straw with the field chopper. (Ge) Landmasch.-Markt 45(8):406,409-410. Apr.13,1966. 58.8 L239
- 59820 ZEHETNER, J., and HAMMERSCHMID, F. H. Arrangement and use of loading trailers. (Ge) Landtechnik 21(6):156-157. Mar.15,1966. 58.8 L235
- 59821 ZERMATI, J. F. Specialized mechanization demands revision of methods of maintenance. (Fr) Agriculture [Paris] 29(286):47-48. Feb. 1966. 14 Ag823
- 59822 ZIJDEWIND, C. The mechanization of the culture of seed potatoes on heavy silt soils. (Du) Landbouwmecanisatie 17(3):279-282. Mar. 1966. 58.8 L2352
English summary.

Animal Husbandry Equipment

- 59823 ARMITT, J., and SMITH, M. G. Effectiveness of a quaternary ammonium detergent-sanitizer for sanitizing milking equipment. Queensland J. Agr. Anim. Sci. 22(3):365-368. Sept.1965. 23 Q37
- 59824 BHAI, P. A simple harness for a single bullock. Indian Farming 15(6):33. Sept.1965. 22 In283
- 59825 BRUUN, K. Pipeline milking. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:77-83. 1965. 33.11 AL7

- 59826 BULDINI, F. Equipment for a modern swine farm. (It) Suinicoltura 6(10):37-42. Oct.1965. 46.8 Su3
- 59827 COWARD, N. New MMB [Milk Marketing Board] milking machine testing service. Farm Mech. 18(199):24. Mar.1966. 58.8 B772
- 59828 ESIPOV, I. Complete set of equipment for keeping chickens in cage batteries. (Rus) Tekh. Sel'skom Khoz. 3:42-45. Mar.1966. 58.8 M11
- 59829 FISHER, E. Back-out milking system tried. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11 (1):10-11. Jan.1966. 100 F66Su
Technique and equipment.
- 59830 FREEMAN, J. What to expect of a farrier. West. Horseman 31(2):18,116. Feb.1966. 42.8 W522
- 59831 GRANT, B. How to make a braided cincha. West. Horseman 31(3):64-65,113-114. Mar. 1966. 42.8 W522
- 59832 HERTRICH, E. What is the correct pulsation count? (Ge) Unser Milchvieh 18(3):5-8. Mar. 1966. 43.8 Un7
Milking equipment.
- 59833 HILLMAN, P. J. One man per 100 cows? Farm Mech. 18(199):15-17. Mar.1966. 58.8 B772
Mechanized feeding system, chiefly.
- 59834 HILLMAN, P. J. Testing milking machines. 1. Farm Mech. 18(200):15-16. Apr.1966. 58.8 B772
- 59835 JAKOBSEN, T. H. Cleaning of milking machines. (Da) Danske Dyrlaegefor. Medlemsbl. 49(8):356-357. Apr.15,1965. 41.9 R24
- 59836 JONES, MRS. S. N. Bits and biting. I-II. West. Horseman 31(2):50-51,86-88; (3):18-19, 99-101,103. Feb.-Mar.1966. 42.8 W522
- 59837 LECHNER, W. 1767-1817, fifty years of "horse and oxshoeing" in the Veterinary College of Vienna [Tierarztliche Hochschule]; a historical sketch on the beginning of this department. (Ge) Wien. Tierarztl. Monatsschr. 53(4):219-229. Ref. Apr.1966. 41.8 T345
English summary.
- 59838 MEKHANIZATSIYA otkorma skota [Mechanized fattening of livestock]. Alma-Ata, Kainar, 1965. 238 p. S719.M4
- 59839 OLENEV, V. A. Electrocombine on livestock farm. (Rus) Zhivotnovodstvo 1:69-71. Jan. 1966. 49 Z6
Multiple purpose equipment.
- 59840 PATE, J. F. Brooding and growing pullets on wire. Poultry Trib. 72(4):14,34. Apr.1966. 47.8 P8642
- 59841 PRIMATESTA, G. Equipment for automatic suckling. (It) Cronache Econ. 277:61-63. Jan. 1966. 280.8 C882
Calves and lambs.
- 59842 RIEMANN, U. Troughless swine feed distributor installations. (Ge) Landtechnik 21(6):174, 176-181. Mar.15,1966. 58.8 L235
- 59843 RINGLER, E., KOCH, G., and SCHIRMER, J. Is milk quality injured during milking by air pulsating through pipeline milkers? (Ge) Bayer. Landwirt. Jahrbuch 42(3):329-333. 1965. 18 L24
- 59844 ROLLER, W. L., and TEAGUE, H. S. Design and development of a paste feeding system. Amer. Soc. Agr. Eng. Pap. 617,12 p. 1965. 290.9 Am32P
For swine.
- 59845 TURNER, G. M. Proper use of milking equipment contributes to quality milk. 2. Vacuum lines. Ky. Univ. Ext. Misc. 333,4 p. Feb. 1966. 275.29 K415M
- 59846 TURNER, G. M. Proper use of milking equipment contributes to quality milk. 3. Milk lines for milking machines. Ky. Univ. Ext. Misc. 334,4 p. Mar.1966. 275.29 K415M
- 59847 WELCHERT, W. T., and others. Hot weather relief methods for livestock production. Amer. Soc. Agr. Eng. Pap. 405,8 p. Ref. 1965. 290.9 Am32P
F. Wiersma, G. H. Stott, and F. Rollins, joint authors.
Cattle cooling equipment.
- 59848 WESSELINGH, A. H. Investigation of the operation and maintenance of milking machine installations on the farm. (Du) Veeteelt Zuivelber. 9(1):1-11. Jan.1966. 49 V51
- 59849 WHITTLESTONE, W. G. Teat cup and claw design considerations. S. Australian Dairymen's J. 5(3):25-27. Nov./Dec.1965. 44.8 So86

Cultivation and Tillage Equipment

- 59850 BANHAZI, J. Spring plowing with properly repaired plows. (Hu) Magyar Mezogazdasag 21(8):7-8. Feb.23,1966. 19 M27
- 59851 BOWDITCH, H. G., and WILLIS, A. H. The dynamic and kinematic characteristics of stump-jump mechanisms. Amer. Soc. Agr. Eng. Pap. 148,17 p. 1965. 290.9 Am32P
In tillage equipment.
- 59852 BRINKMANN, W. New ways in sugar beet thinning. (Ge) Tech. Landwirt. 18(3):56-60. Mar.15,1966. 58.8 T223
Equipment.
- 59853 CANDURA, G. Equipment for the principal tillage of the soil. (It) Tec. Agr. 17(5/6):662-699. Sept./Dec.1965. 16 T22
- 59854 BRINKMANN, W., and EVERS, P. N. Thinning without manual labor. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(3):58,60. Mar.15,1966. 58.8 D81
Sugar beets.
- 59855 BYSTROV, A., and KASHCHENKOV, I. New planting and harvesting machinery for potato growers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:19-20. July 19,1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Sel'skaya Zhizn', May 13, 1965:2.
Issued by CFSTI.
- 59856 DUPUIS, H. One man hoeing operation with tractor. (Ge) Landtech. Forsch. 16(1):26. 1966. 58.8 L2332
In reference to article by E. Kersting.
- 59857 ENDO, S. Studies on the oscillating subsoiler. 3. Trial manufacture of oscillating subsoiler for tractors and its test. 17 p. Transl. 15825
Translation from Society of Agricultural Machinery, Japan. Journal 25(2):76-82. Sept.1963.
- 59858 FEUERLEIN, W. Problems of minimal cultivation of soils. (Ge) Landtechnik 21(6):164-166, 168-169. Mar.15,1966. 58.8 L235
With various tillage equipment.
- 59859 FISCHER, K. Proper operation of the chain harrow. (Ge) Traktor Landmasch. 28(4):209-210. Mar.1,1966. 58.8 T678Ag
- 59860 FOX, W. R., DEASON, D. L., and WANG, L. Tillage energy applications. Amer. Soc. Agr. Eng. Pap. 657,21 p. Ref. 1965. 290.9 Am32P
Energy requirement for soil pulverization to determine soil shear strength.
- 59861 GIL'SHTEYN, P., and BLOSHTEYN, E. Machines for combating wind soil erosion. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:18-21. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from Sel'skii Mekhanizator 3:8-9. Mar.1965.
- 59862 GOLOVKO, A. Plow equipment to cover corn root leftovers on field. (Rus) Tekh. Sel'skom Khoz. 3:17-19. Mar.1966. 58.8 M11

- 59863 HO, C. F. Wall-less three-blade plow. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:16. Dec.22,1965. (JPRS 33,457; TT 65-34031) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh, Apr.1965:26.
Issued by CFSTI.
- 59864 HULL, J. You should never allow it. Sugar Beet 18(47):13. Spring 1966. 66.8 Su34B
The size and design of hoes for sugar beets.
- 59865 JEPSEN, D. Plows. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:83-89. 1965. 33.11 AL7
- 59866 KNAPP, L. W., and MCCONNELL, W. H. Designing the rotary power lawn mower for safety. Amer. Soc. Agr. Eng. Pap. 652,9 p. 1965. 290.9 Am32P
- 59867 KOLTAY, A. Is it worthwhile to harrow the fall crops? (Hu) Magyar Mezogazdasag 21 (10):7. Mar.9,1966. 19 M27
- 59868 KOSZEGHY, G. Mechanical furrowing of wide spaced sandy grapes. (Hu) Kertesz Szolész. 15(5):9. Mar.1966. 80 K474
- 59869 PETERSEN, H. J. Considerations in the selection of types of plows. (Da) Tidsskr. Landonkon. 8:338-342. Oct.1965. 11 T43
- 59870 POERINK, H. J. Mechanical thinning and precision planting in the culture of witloof chicory roots. (Fr) Ann. Gembloux 71(3):229-238. Third Q.1965. 13 G28
- 59871 POZDNYAKOV, R. Plowing and fertilizer application unit. (Rus) Tekh. Sel'skom Khoz. 3:20-21. Mar.1966. 58.8 M11
- 59872 ROBERTSON, L. S., HANSEN, C. M., and RUCH, L. C. Plow-plant equipment for establishing wildlife food and cover. J. Soil Water Conserv. 21(2):68-70. Mar./Apr.1966. 56.8 J822
Corn and grain planting.
- 59873 STOKES, J. I. A. Using the mounted mould-board plough. Power Farming Australia New Zeal. Better Farming Dig. 75(3):6-8. Mar. 1966. 58.8 P87
- 59874 STROOKER, E. Mechanical beet thinning. (Du) Neth. Dir. Landbouw, Landbouwvoorlichting 22(6):303-307. June 1965. 12 N383M
Sugar beets.
- 59875 STROOKER, E. New ways of machine thinning of sugar beet. (Du) Landbouwmechanisatie 17 (4):359-363. Apr.1966. 58.8 L2352
English summary.
- 59876 SWAMINATHAN, K. R. Reducing share wear in mouldboard plough. Indian Farming 15(6): 23. Sept.1965. 22 In283
- 59877 THOMSON, P. When all else fails mow'em down. Public Works 97(4):114-115. Apr.1966. 290.8 M922
Weeds.
- 59878 TSIMERMAN, M. New universal three share tractor plows. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:22-23. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from Sel'skii Mekhanizator 3:36. Mar.1965.
- 59879 WAELTI, H., and MOE, D. L. The South Dakota pasture furrower. S. Dak. Agr. Exp. Sta. Bull. 532,15 p. Feb.1966. 100 So82
Includes use in erosion control.
- 59880 WISSKIRCHEN, P. Garden shears—adapted to the hand. (Ge) Landarbeit 17(4):28-30. Apr. 1966. 18 L2355
For pruning fruit.
- Fertilizing and Planting Equipment
- 59881 BARALDI, G. Sowing and precision sowing machines. (It) Trattorista 12(5):83-95,98-101. Mar.15,1966. 58.8 T69
- 59882 CUNNINGHAM, F. M., and CHAO, E. Y. S. Design relationships for centrifugal fertilizer distributors. Amer. Soc. Agr. Eng. Pap. 605, 19 p. 1965. 290.9 Am32P
- 59883 DOLGOLEVETS, A. Mechanized method for handling and spreading fertilizers. (Rus) Tekh. Sel'skom Khoz. 3:22-23. Mar.1966. 58.8 M11
- 59884 ELIA, P. Technical aspects of distribution of solid mineral fertilizers. (It) Genio Rurale 29(3):229-245. Mar.1966. 281.8 R522
Application equipment.
- 59885 FEUILLADE, A. F. Sower for green manures for vineyards and fruit orchards. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:1-17. Ref. Oct.1965. 9 Id3
- 59886 FIEDLER, G. Mechanized application of liquid fertilizers. (Ge) Deut. Agrartech. 16(3):109-111. Mar.1966. 58.8 D482
- 59887 HARTMANN, W. Innovators and inventors—patents concerning liquid fertilizing. (Ge) Deut. Agrartech. 16(3):113-115. Mar.1966. 58.8 D482
- 59888 HASCHKER, A. On the perspective of mechanization in the field of fertilization. (Ge) Deut. Agrartech. 16(3):107-108. Mar.1966. 58.8 D482
- 59889 HORANSZKY, ZS., and STALTER, J. Mechanized grape graft planting. (Hu) Kertesz Szolész. 15(6):24. Mar.1966. 80 K474
- 59890 KUNATH, L. Mechanized potato planting. (Ge) Deut. Agrartech. 16(3):116-118. Mar.1966. 58.8 D432
- 59891 KUSHILKINA, N. V. Sowing quality with unit speeds of 9-15 km/hr. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:18-23. Mar.15,1965. (JPRS. 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Includes tests.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaystva 5:16-18. 1964.
Issued by CFSTI.
- 59892 MAURER, K. J. Increased economic effectiveness through broad spacing in fruit culture. (Ge) Obst Gemuse 30(4):30-31. Apr.1966. 286.83 Ob72
For mechanization.
- 59893 MCARTHUR, D. Multi-purpose machines for the application of manures. Scot. Agr. 45(1): 28-29. Winter 1965/66. 10 Sco82So
- 59894 MEKHANIZATSIYA vneseniya mineral'nykh udobrenii [Mechanical application of mineral fertilizers]. Moskva, Kolos, 1965. 174 p. S683.M42
- 59895 MIGNOTTE, F. Let us proceed to the formation of enterprises for fertilization. (Fr) Agriculture [Paris] 29(286):61,63. Feb.1966. 14 Ag823
Mechanization in fertilizer application in France.
- 59896 NELSON, G. S. Aerial application of granular fertilizer and rice and lespedeza seed. Amer. Soc. Agr. Eng. Pap. 604,15 p. 1965. 290.9 Am32P
- 59897 NORDBY, A. Planting of carrots and onions. (No) Gartneryrket 56(10):194. Mar.4,1966. 80 G1938
Equipment.
- 59898 OEHRING, J. On what does use of the centrifuge fertilizer distributor depend? (Ge) Mitt. Deut. Landwirt.-Ges. 81(5):138-140,142. Feb.3,1966. 18 N39
- 59899 SARKOZI, K., and ACSAY, F. Machines for planting and care of sugar beet. (Hu) Magyar Mezogazdasag 21(12):7-8. Mar.23,1966. 19 M27
- 59900 SCHERINGS, H., and LANGE, J. M. The load of the drill coulters of tractor-mounted seed drills. (Du) Landbouwmechanisatie 17(3): 304-306. Mar.1966. 58.8 L2352
English summary.

- 59901 SOUTHWELL, P. H., and SAMUEL, J. The accuracy of fertilizer metering by full-width machines. *Amer. Soc. Agr. Eng. Pap.* 606, 11 p. 1965. 290.9 Am32P
- 59902 THYREGOD, A. Storage, distribution and application of liquid ammonia in the Danish agriculture. (Ge) *Deut. Agrartechnik* 16(3):112-113. Mar.1966. 58.8 D482
- 59903 WALL, E. Some thoughts on application equipment for liquid fertilizer. *Farm Gard. Contract.* 5(2):11-12. Feb.1966. 58.8 F227
- 59904 ZIMMERMAN, M. Narrow-row corn. II. Problems of planting. *Impl. Tractor* 81(9):26-27, 60. Apr.7,1966. 58.8 W41
Planting and fertilization equipment.
- Harvesting Equipment
- 59905 ADRIAN, P. A., and FRIDLEY, R. B. Dynamics and design criteria of inertia-type tree shakers. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):12-14. 1965. 290.9 Am32T
For mechanical fruit harvesting.
- 59906 ARNOLD, R. E. Trends in combine harvester development. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(3):118-121. Mar.1966. 10 G79J
- 59907 BADEN-WÜRTTEMBERG, STATISTISCHES LANDESAMT. Mahdrescherbestand und im Mahdrusch geerntete Flächen 1965 [Combine situation and areas harvested with combines in 1965]. *Baden-Württemb. Statist. Landesamt. Statist. Ber. Agrardienst* 66:383-385. Jan.24, 1966. 265 St28
- 59908 BEEMAN, J. F., DEEN, W. W., and HALSEY, L. H. Development of a mechanical celery harvester. *Amer. Soc. Agr. Eng. Pap.* 622, 34 p. 1965. 290.9 Am32P
- 59909 BERGMANN, F. Developmental trends in tractor mowing attachment. (Ge) *Traktor Landmasch.* 28(5):261-262. Mar.2,1966. 58.8 T678Ag
- 59910 BOSWORTH, D. L., and YOERGER, R. R. Mass and inertia considerations for flail knives. *Amer. Soc. Agr. Eng. Pap.* 631,24 p. 1965. 290.9 Am32P
In forage harvesters and mowers.
- 59911 BROWN, G. K., and PERKINS, R. M. Are towers aids for date harvesting? *Amer. Soc. Agr. Eng. Pap.* 126,12 p. 1965. 290.9 Am32P
- 59912 BRYIS, L. Mechanization of witloof root harvesting. (Fr) *Ann. Gembloux* 71(3):239-243. Third Q.1965. 13 G28
- 59913 BUCKINGHAM, F., and MANSON, W. D. Corn harvesting equipment. *Amer. Soc. Agr. Eng. Pap.* 564,21 p. 1965. 290.9 Am32P
- 59914 BYG, D. M. Corn harvesting losses—information dissemination to county agents and farmers. *Amer. Soc. Agr. Eng. Pap.* 563,7 p. 1965. 290.9 Am32P
Equipment use.
- 59915 CANDURA, G. Mower-reapers in Italy. (It) *Tec. Agr.* 17(5/6):578-617. Sept./Dec.1965. 16 T22
For grain; includes construction types, prices, and grain quality.
- 59916 CLAYPOOL, L. L., FRIDLEY, R. B., and ADRIAN, P. A. Horticultural aspects in mechanization of cling peach harvesting. *Amer. Soc. Hort. Sci. Proc.* 86:152-165. June 1965. 81 So12
- 59917 COPPOCK, G. E. A pickers' platform for citrus fruit picking. *Amer. Soc. Agr. Eng. Pap.* 127,14 p. 1965. 290.9 Am32P
- 59918 CROON, F. Lifting of witloof. (Fl) *Tuinbouw-berichten* 29(8):350-351. Aug.1965. 80 T817
Chiefly equipment.
- 59919 CROSNIER, J. C. Tomorrow, assured success for potato pickers for large profits and without personnel. (Fr) *Agriculture [Paris]* 29(286):72-74. Feb.1966. 14 Ag823
Mechanization in France.
- 59920 CURRENCE, H. D., and BUCHELE, W. F. A leaf-strip harvester for alfalfa. *Amer. Soc. Agr. Eng. Pap.* 637,18 p. 1965. 290.9 Am32P
- 59921 DIENER, R. G., MOHSENIN, N. N., and JENKS, B. L. Vibration characteristics of trellis-trained apple trees with reference to fruit detachment. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):20-24. 1965. 290.9 Am32T
In mechanical harvesting.
- 59922 DOHNE, E. The field chopper machine of great importance in silaging. (Ge) *DLZ (Deut. Landtech. Z.)* 17(3):126-130. Mar.1966. 58.8 T677
- 59923 DOHNE, E. Hay harvesting without muscle power. (Ge) *DLZ (Deut. Landtech. Z.)* 17(4):204-207. Apr.1966. 58.8 T677
- 59924 FEDOROV, K. New methods to be used at Chirchik agricultural machine-building plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 185:10-14. Apr.9,1965. (JPRS 29,513; TT 65-30695; CSO 1830-S/PE) 173 J663Tsi
Cotton picking machines.
Translation from Pravda Vostoka, Dec.11, 1964:3.
- 59925 FRIDLEY, R. B., and LORENZEN, C. Computer analysis of tree shaking. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):8-11,14. Ref. 1965. 290.9 Am32T
In mechanical harvesting of fruits and nuts.
- 59926 GARCIA-BADELL LAPETRA, I. First international meeting on mechanized olive harvesting in Jaen. (Sp) *Agricultura [Madrid]* 35(405):13-19. Jan.1966. 15 Ag84
Types of equipment and harvesting costs according to various systems.
- 59927 GILL, W. E. Corn harvesting losses—in the field; an Ohio study. *Amer. Soc. Agr. Eng. Pap.* 562,5 p. 1965. 290.9 Am32P
Equipment use.
- 59928 GOSS, J. R., and others. Automatic feed control for a self-propelled combine. *Amer. Soc. Agr. Eng. Pap.* 168,10 p. 1965. 290.9 Am32P
F. C. Jacob, R. A. Parsons, and F. O. Heil, joint authors.
- 59929 HOAG, D. L., and HUNT, D. R. Mechanical stripping for harvesting strawberries. *Amer. Soc. Agr. Eng. Pap.* 620,11 p. 1965. 290.9 Am32P
- 59930 HOFFMANN, W. Machine pickers substitute human hands; further advances in the development of harvesting equipment in the U.S.A. (Ge) *Indus. Obst- Gemüseverwertung* 51(5):150-154. Mar.3,1966. 389.8 K832
- 59931 HUFFINGTON, J. M. Mechanical harvesting of vegetables. *Amer. Soc. Agr. Eng. Pap.* 621,14 p. Ref. 1965. 290.9 Am32P
- 59932 JEZEK, R. E. Tung nut harvesting. *Amer. Soc. Agr. Eng. Pap.* 623,7 p. 1965. 290.9 Am32P
Equipment.
- 59933 KERMIS, L. Project of a Gladiolus digger. (Fr) *Rev. Agr. [Brussels]* 19(2):213-228. Feb. 1966. 13 R322
- 59934 KJELGAARD, W. L. Flail mower-conditioners: their place in forage harvest. *Agr. Eng.* 47(4):202. Apr.1966. 58.8 Ag83
- 59935 KLEIN, L. M., and HARMOND, J. E. The effect of varying cylinder speed and clearance on three types of threshing cylinders in combine crimson clover. *Amer. Soc. Agr. Eng. Pap.* 170,13 p. 1965. 290.9 Am32P
- 59936 KONING, K. DE. A new method of harvesting beet seed. (Du) *Landbouwmecanisatie* 17(4):389-394. Apr.1966. 58.8 L2352
English summary.
Equipment.
- 59937 LAFFERTY, D. G., and TUPPER, G. R. Value of plant and machine losses with spindle picker and stripper harvester. *Ark. Farm Res.* 15(1):11. Jan./Feb.1966. 100 Ar42F

- 59938 MANYAKIN, V. For improving the reliability of combines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 217:12-15. July 26, 1965. (JPRS 31,232; TT 65-31729) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 21:19. May 26, 1965.
Issued by CFSTI.
- 59939 MATTEJAT, B. Standard for knife head front guide for mower cutter bars. (Ge) Landtechnik 21(7):204-205. Apr. 1, 1966. 58.8 L235
- 59940 NELSON, G. S., BENEDICT, R. H., and KATTAN, A. A. Design and development of a blackberry harvester. Amer. Soc. Agr. Eng. Pap. 619, 10 p. 1965. 290.9 Am32P
- 59941 NILSSON, A. Light mechanical injuries—a problem in grading. (Sw) Hallands Lans Hushallningssallsk. Tidskr. 8(5):19-20. Sept. 1965. 11 H152
Chiefly on the type of equipment for potato harvesting.
- 59942 O'BRIEN, M. Effects of cultural practices on mechanical harvesting cantaloupes. Amer. Soc. Agr. Eng. Pap. 624, 9 p. 1965. 290.9 Am32P
- 59943 PARISI, L. Mechanization of forage harvesting. (It) Prog. Agr. [Bologna] 12(2):201-214. Feb. 1966. 58.8 P94
- 59944 PINCHUK, B. A far-reaching bottleneck in modern harvester operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 186:7-8. Apr. 12, 1965. (JPRS 29,533; TT 65-30706) 173 J663Tsi
Translation from Sel'skii Mekhanizator 10:12-13. Oct. 1964.
Issued by CFSTI.
- 59945 PUSHKAREV, V. Problems in producing self-propelled chassis. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:1-4. Apr. 2, 1965. (JPRS 29,393; TT 65-30631) 173 J663Tsi
Translation from Sovetskaya Rossiya, Mar. 2, 1965:2.
Combines.
Issued by CFSTI.
- 59946 ROBERSON, P. M. The flexible-roll cotton harvester. (Condensed.) Agr. Eng. 1(3):139, 141. Mar. 1966. 58.8 Ag83
- 59947 ROSEL, W., and GRAICHEN, G. Specialized feed potato production—harvesting and processing machinery in the 1965 campaign. (Ge) Deut. Agrartech. 16(3):121-124. Mar. 1966. 58.8 D432
- 59948 RUITER, D. DE, and ZANTEN, E. VAN. Mechanical picking of Brussels sprouts. (Du) Groenten Fruit 21(36):1457. Mar. 23, 1966. 80 G89
- 59949 SAYLER, R. L. Corn harvesting equipment—information dissemination to dealers and farmers. Amer. Soc. Agr. Eng. Pap. 565, 8 p. 1965. 290.9 Am32P
- 59950 SIEG, R. Work alleviation of hay and green feed harvesting on slope. (Ge) Landmasch.-Markt 45(8):412-414. Apr. 13, 1966. 58.8 L239
Equipment.
- 59951 TUPPER, G. R., and HUGHES, C. Design and development of a broadcast cotton harvester. Amer. Soc. Agr. Eng. Pap. 615, 11 p. 1965. 290.9 Am32P
- 59952 WLJK, A. VAN. Hay mower and crusher. (Du) Landbouwmecanisatie 17(4):367-370. Apr. 1966. 58.8 L2352
- 59953 WILEY, J. C. Vibrational characteristics and unstable operating speeds of rotating flails. Amer. Soc. Agr. Eng. Pap. 632, 22 p. 1965. 290.9 Am32P
In harvesting and crop residue shredding equipment.
- 59954 YANKOVSKI, I., and FROLOV, V. Combine harvester attachments. (Rus) Tekh. Sel'skom. Khoz. 3:45-46. Mar. 1966. 58.8 M11
- 59955 ZAHARA, M., and SIMS, W. L. Once-over mechanical harvesting for cucumbers. Calif. Agr. 20(1):9-10. Jan. 1966. 100 C12Cag
- 59956 ZIEMS, K. Comparative testing of some secondary potato harvesting machines under difficult conditions. (Ge) Deut. Agrartech. 16(3):124-127. Mar. 1966. 58.8 D482
- 59957 ZUMBACH, W. Adaptation and economy of various potato harvesting experiments. (Ge) Traktor Landmasch. 28(6):381-392. (Cont.) Apr. 1966. 58.8 T678Ag
Equipment.

Land Clearing Equipment

- 59958 BIANCHI, A., and VECCHI, N. DE. Comparative tests of equipment for grading of irrigated land. (It) Genio Rurale 29(3):255-265. Mar. 1966. 281.8 R522

Processing Equipment Used on the Farm

- 59959 BAGANZ, K. Potato processing machine of VEB Weimar Works in the 1965 campaign. (Ge) Deut. Agrartech. 16(3):130-132. Mar. 1966. 58.8 D482
- 59960 BAKKER-ARKEMA, W., and BICKERT, W. G. Theoretical aspects of the convective drying of forage wafers. (Ge) Landtech. Forsch. 16(1):6-13. Ref. 1966. 58.8 L2332
English summary.
- 59961 BAREISS, G. Modern hay making with little nutrient loss. (Ge) Landmasch.-Markt 45(8):401-404. Apr. 13, 1966. 58.8 L239
Equipment.
- 59962 BODINI, F. Forage preservation at the base of food cheese production. (It) Cremona 2:3-7. Feb. 1966. 280.8 C862
On hay and silage production, chiefly.
- 59963 BRUHN, H. D. What you should know about forage crushers. Hoard's Dairyman 111(9):574, 604-605. May 10, 1966. 44.8 H65
- 59964 BULDINI, F. Apparatus for the preparation and distribution of feeds. (It) Genio Rurale 28(6):487-492. June 1965. 281.8 R522
- 59965 FINN-KELCEY, P. Baled hay drying and potato storage. Farm Mech. 18(200):19-20. Apr. 1966. 58.8 B772
- 59966 FINN-KELCEY, P. On-floor grain drying. Farm Mech. 18(199):19-21. Mar. 1966. 58.8 B772
- 59967 FORD, R. M., and BILANSKI, W. K. Thermal diffusivity of alfalfa stems. Amer. Soc. Agr. Eng. Pap. 807, 15 p. 1965. 290.9 Am32P
In hay drying.
- 59968 FREDERIKS, J., and MARING, J. An implement for dosing powdered preserving agent mounted on a forage harvester. (Du) Landbouwmecanisatie 17(3):311-314. Mar. 1966. 58.8 L2352
Added to grass for silage.
- 59969 FROST, K. R., and KNEEBONE, W. R. A seed huller for small lots. Crop Sci. 5(6):600-601. Nov./Dec. 1965. 64.8 C883
- 59970 GALIEN, M. V. D., and GERLSMA, A. New possibilities for silage making. (Du) Landbouwmecanisatie 17(4):425-430. Apr. 1966. 58.8 L2352
English summary.
Preparation equipment.
- 59971 GREIG, D. J., and BOYCE, D. S. The control of on-floor grain drying and storage systems. Farm Mech. 18(200):39-41, 43, 45. Apr. 1966. 58.8 B772
- 59972 HALLEN, L., and LARSSON, K. Hay wafers as roughage. (Sw) Hallands Lans Hushallningssallsk. Tidskr. 8(5):6-9. Sept. 1965. 11 H152
Processing equipment.
- 59973 KAHLON, A. S., and SINGH, R. Economics of threshing with different techniques. Indian Farm Mech. 16(10/11):9-12. Nov. 1965. 58.8 In2

- 59974 KALINA, J. Behavior of wet processed potatoes. (Ge) Deut. Agrartech. 16(3):133-135. Mar.1966. 58.8 D482
Includes equipment for grading and drying.
- 59975 KOVRIGA, V. House for preparing feed on swine fattening farm. (Rus) Tekh. Sel'skom Khoz. 3:25-27. Mar.1966. 58.8 M11
Chiefly equipment.
- 59976 LOGAN, J. E. Cool milk. Agr. Northern Ireland 40(2):34-37. June 1965. 256.13 Ag82M
Method and cooling equipment.
- 59977 MANFREDI, E. Future directions of mechanized hay making. (It) Tec. Agr. 17(5/6):362-374. Sept./Dec.1965. 16 T22
- 59978 MCFATE, K. L. Characteristics and costs of small electric mills under field conditions. Amer. Soc. Agr. Eng. Pap. 838, 14 p. 1965. 290.9 Am32P
On-farm livestock feed milling system.
- 59979 MENCHU E., J. F. Washing and sorting trough with continuous functioning. (Sp) Rev. Cafetalera 49:20-21. Sept.1965. 68.28 R322
Coffee processing on plantations.
- 59980 PANDA, H. H. Pressure patterns in hay during forced air drying. Diss. Abs. 26(3):1531. Sept.1965. 241.8 M58
- 59981 PELLIZZI, G. Farm systems and equipment for livestock. (It) Genio Rurale 28(6):461-480. Ref. June 1965. 281.8 R522
Feed processing and handling equipment.
- 59982 PENZES, I. Centrifuges and centrifugal milling processes. (Hu) Malomipar Termenyforgalom 12(5):154-163. Ref. May 1965. 298.8 M292
- 59983 PERSSON, S. J. Ho i form av briketter—nagra kommentarer efter forsta skordesasongen i Sverige [Hay in the shape of wafers; some comments after the first harvesting season in Sweden]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 80, 14 p. 1966. 11 Up62A
Equipment.
- 59984 PHILIPSEN, P. J. J. Is the bruising of hay justified? (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 22(6):294-299. June 1965. 12 N383M
During drying.
- 59985 REINHARDT, F., and WILLENBOCKEL, L. The importance of the artificial drying of green fodder for agriculture in the North West of Germany. (Ge) Wirtseigene. Futter 10(1):23-33. Jan.1964. 389.79 F98
English summary.
Includes production costs.
- 59986 ROSHIN, P. Dryer for treated seeds. (Rus) Tekh. Sel'skom Khoz. 3:21-22. Mar.1966. 58.8 M11
- 59987 RUHMANN, H. Cleaner milk by deep cooling. (Ge) DLZ (Deut. Landtech. Z.) 17(4):210-212. Apr.1966. 58.8 T677
Equipment.
- 59988 RUHMANN, H. Milk cooling in the producer farm—capital outlay and farm costs. (Ge) Landtechnik 21(7):206,208-212. Apr.1,1966. 58.8 L235
Includes equipment.
- 59989 SAUL, R. A., and STEELE, J. L. Damaged shelled corn costs more to harvest and dry. Amer. Soc. Agr. Eng. Pap. 146, 8 p. 1965. 290.9 Am32P
Caused by field shelling equipment.
- 59990 SEDLAK, J. A potato processing equipment directly attached to harvesting process in Czechoslovakia. (Ge) Deut. Agrartech. 16(3):127-129. Mar.1966. 58.8 D482
- 59991 SZOLLOSI, E. Results of laboratory studies on factors determining corn drying. (Hu) Malomipar Termenyforgalom 13(1):27-31. Jan./Feb.1966. 298.8 M292
- 59992 THAER, R. Air cooling of steamed potatoes before silage making. (Ge) Deut. Agrartech. 16(3):135-137. Mar.1966. 58.8 D482
- 59993 U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Drying shelled corn and small grains. U. S. D. A. Farmers' Bull. 2214, 12 p. Dec.1965. 1 Ag84F
Equipment on the farm.
- 59994 VAN ZELLER, C. P. Vacuum silage; the use of plastic sheets. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):82-86. Feb.1966. 10 G79J
- 59995 WILLOWS, D. Take the air where it's wanted. Power Farming 36(4):38-39. Apr.1966. 58.8 P872
Ventilation drying of crops.
- 59996 ZIHLMANN, F. Cold and warm ventilation. (Ge) Grune 94(7):237-239. Feb.18,1966. 17 Sch9
Hay.
- 59997 ZIHLMANN, F. Drying of harvested goods. 3. (Ge) Traktor Landmasch. 28(5):295-303. Mar.2,1966. 58.8 T678Ag
Equipment.
- 59998 ZIHLMANN, F. Drying of harvested products. (Ge) Traktor Landmasch. 28(4):234-240. (Cont.) Mar.1,1966. 58.8 T678Ag

Repair, Maintenance, and Construction Equipment

- 59999 BINGHAM, A. N. Poultry manure disposal. Agr. Northern Ireland 40(4):112-115. Aug.1965. 256.13 Ag82M
Equipment used.
- 60000 BAKER, R. A. A comprehensive study of three selected areas of farm mechanics as a basis for curriculum construction and course planning. Diss. Abs. 26(3):1418. Sept.1965. 241.8 M58
- 60001 DAGNINO, V. Elimination of manure from the pig pen. (It) Suinicoltura 6(10):43-44. Oct. 1965. 46.8 Su3
Equipment.
- 60002 DIJKSTRA, F. Manual dexterity on the farm. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 22(10/11):480-481. Oct./Nov.1965. 12 N383M
Shop work.
- 60003 GUTZMER, G. Selection of suitable filler materials for welding. II. (Ge) Deut. Agrartech. 16(3):141-142. Mar.1966. 58.8 D482
- 60004 HARASZTI, E. On the animal hygienic and economic relations of the treatment and utilization of the liquid manure, with special respect to its increasing effect on the crop capacity of meadows and pastures. (Hu) Magyar Allatorv. Lapja 21(3):128-132. Mar.1966. 41.8 V644
English summary.
Includes foot-and-mouth disease prevention aspects.
- 60005 HOLCH, O. We learn welding. I. (Ge) DLZ (Deut. Landtech. Z.) 17(3):134,136. Mar.1966. 58.8 T677
- 60006 HOLCH, O. We learn welding. II. (Ge) DLZ (Deut. Landtech. Z.) 17(4):238,240,242. Apr. 1966. 58.8 T677
- 60007 JOHNSON, C. A. Disposal of dairy manure. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):110-112. Ref. 1965. 290.9 Am32T
Handling systems.
- 60008 JOHNSON, C. A. Liquid handling of poultry manure. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):124-126. 1965. 290.9 Am32T
- 60009 LUDEMANN, H., and BOTHE, W. DLG-certified machines for manure and barn dung removal. (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):437-438,440,442-444,446. Mar.17,1966. 18 N39
- 60010 OSTRANDER, C. E. Poultry manure disposal. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):105-106. 1965. 290.9 Am32T
- 60011 POELMA, H. R. Mechanization and automation in stalls with gutter. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 22(10/11):505-508. Oct./Nov.1965. 12 N383M
Manure and feed handling for cattle.

- 60012 RASK, K. Welding. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:94-108. 1965. 33.11 AL7
Equipment.
- 60013 SINYAVSKIY, I. Storage of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 180:13-17. Mar.29,1965. (JPRS 29,311; TT 65-30598) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 11:44-47. 1964.
Issued by CFSTI.
- 60014 SPATZ, M. E. How to cut corrosion costs. Farm Chem. 129(3):55-56,58,60. Mar.1966. 57.8 Am3
Equipment maintenance.
- 60015 WALKER, P. J. Manure handling in laying flocks. Can. Milling Feed 47(3):34. Mar.1966. 298.8 C162
- 60016 WALLACE, H. D. Let's talk lagoons. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(1):16-17. Jan.1966. 100 F66Su
For swine manure disposal.
- 60017 WOLF, D. C. Developments in hog-manure disposal. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):107-109. 1965. 290.9 Am32T

Spraying and Dusting Equipment

- 60018 ANDERSON, E. D. The commercial sprayer market. Impl. Tractor 81(10):45,48-49,68-69. Apr.21,1966. 58.8 W41
- 60019 BARYSH, E. The problem of spare parts. (Rus) Zashch. Rast. Vred. Bolezni 3:29-30. 1965. 421 Z1
For spraying and dusting equipment.
- 60020 BOWERS, W. How to adjust granular row applicators. Hoard's Dairyman 111(8):512. Apr.25,1966. 44.8 H65
For herbicides and insecticides.
- 60021 BURGERS, G. J. Control of fruit diseases via irrigation pipes. (Du) Groenten Fruit 21(31):1395. Feb.16,1966. 80 G89
- 60022 CHARLETON, W. M., and BRAZEE, R. D. Ag Chem's custom applicator. Agr. Chem. 21(3):77-78,80,82,111. Mar.1966. 381 Ag8
- 60023 COUTTS, H. H., and YATES, W. E. Analysis of spray droplet distributions from agricultural aircraft. Amer. Soc. Agr. Eng. Pap. 157, 12 p. 1965. 290.9 Am32P
- 60024 DEARMAN, A. V., POWELL, H. F., and THOMPSON, R. K. Portable sprayer for aerial LVC [low-volume-concentrate] applications. J. Econ. Entomol. 58(6):1050-1052. Dec.1965. 421 J822
For pesticide application.
- 60025 FUJIKI, T. Studies on granule application. I. Design and testing of granule applicator. (Ja) Saga Univ. Agr. Bull. 21:119-129. Oct.1965. 107.6 Sa13
English summary.
Equipment for application of granular PCP, as a herbicide.
- 60026 FULDA, E. At last DLG approved compressors. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(4):101-102. Apr.15,1966. 58.8 D81
Chiefly used for spraying.
- 60027 GOTZ, W. Forced manure experiments are coming. (Ge) Tech. Landwirt. 18(3):68,70-71. Mar.15,1966. 58.8 T223
Removal.
- 60028 JACOB-HAUPT, R. Studies on affecting spray distribution on nozzles adapted for surface spraying. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):22,24,26. Feb.15,1966. 58.8 D81
- 60029 JESZENSZKY, A. Faults and repair of sprayers. (Hu) Kerteszeti Szulesz. 14(24):12-13. Dec.1965. 80 K474

- 60030 KARLE, H. Proper application technique for economic poisons. (Ge) Landmasch.-Markt 45(5):229-230. Mar.2,1966. 58.8 L239
Equipment.
- 60031 KONIG, A. A method for establishing area performance of plant protection equipments. (Ge) Landtech. Forsch. 16(1):15-21. 1966. 58.8 L2332
Statistical.
- 60032 LECKER, F. Weed control by burning. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(4):109-110. Apr.15,1966. 58.8 D81
Includes equipment.
- 60033 LEMKE, W. Care of the roller pumps on our sprayer. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):26,28. Feb.15,1966. 58.8 D81
- 60034 MATTHEWS, E. J. Field evaluation of tools for herbicide incorporation. Ark. Farm Res. 15(1):10. Jan./Feb.1966. 100 Ar42F
In soil; pre-emergence use for cotton.
- 60035 NEYPERT, YU. Development of new plant and soil treatment sprayers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:14-16. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from Sel'skii Mekhanizator 3:7. Mar.1965.
- 60036 OHNESORGE, M. Demands of practice on the technical installations of field sprayers. (Ge) Landmasch.-Markt 45(5):225-228. Mar.2,1966. 58.8 L239
- 60037 PLUMB, T. R., GREEN, L. R., and WHITE, V. E. Spray pattern and drift from two types of nozzles used for helicopter spraying. Weeds 14(2):114-116. Apr.1966. 79.8 W41
Of herbicides.
- 60038 ROSSINI, R. Crop spraying equipment. (It) Tec. Agr. 17(5/6):618-661. Sept./Dec.1965. 16 T22
- 60039 ROTH, L. O., and PORTERFIELD, J. G. Liquid atomization for drift control. Amer. Soc. Agr. Eng. Pap. 156,15 p. 1965. 290.9 Am32P
Spraying equipment.
- 60040 SHERUDA, S. For skillful maintenance of machines. (Rus) Zashch. Rast. Vred. Bolezni 3:25-29. 1965. 421 Z1
Chiefly sprayers.
- 60041 SIEG, R. Technical aspects of pest control equipment. (Ge) Traktor Landmasch. 28(4):189-196. (Concl.) Mar.1,1966. 58.8 T678Ag
Sprayers.
- 60042 STENE, J. Use of fertilizer application equipment for spraying. (No) Gartneryrket 56(8):150,155. Feb.18,1966. 80 G1938
- 60043 TATE, R. W., and JANSSEN, L. F. Droplet size data for agricultural spray nozzles. Amer. Soc. Agr. Eng. Pap. 155, 35 p. 1965. 290.9 Am32P
- 60044 WAGNER, O. Demands on our field spraying equipment. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):21-22. Feb.15,1966. 58.8 D81
- 60045 WELLS, L. G. A view from the ground. Farm Gard. Contract. 5(3):3. Mar.1966. 58.8 F227
Aerial spraying in agriculture.
- 60046 WIRTH, A., KELLER, E., and PLUSS, E. Optimal spray volume with automatic spraying equipment in fruit culture. (Ge) Schweiz. Z. Obst- Weinbau 102(2):29-45. Jan.22,1966. 80 Sch9
- 60047 ZIMMERMAN, M. How can the mid-season work be done in narrow-row corn? III. Impl. Tractor 81(10):32-33. Apr.21,1966. 58.8 W41
Herbicide and insecticide sprayers, chiefly.

Vehicles

- 60048 AKESSON, N. B., YATES, W. E., and BURGOYNE, W. E. Controlled-distribution wing for agricultural aircraft. Calif. Agr. 20(1):6-8. Jan.1966. 100 C12Cag
New concept for application of chemicals, seeds, fertilizers, etc.

- 60049 ALLES, K. Coupling and decoupling of universal joint. (Ge) Traktor Landmasch. 28(6):331-334. Apr.1966. 58.8 T678Ag
- 60050 APPLE, D. L., and LILJEDAHL, J. B. Performance of tandem drives—a model study. Amer. Soc. Agr. Eng. Pap. 123,8 p. 1965. 290.9 Am32P Tractors.
- 60051 AUDIBERT, M. One hundred aircrafts will participate in the future in aerial agricultural works in France. (Fr) Agriculture [Paris] 29 (286):53-57. Feb.1966. 14 Ag823
- 60052 BAJOHR, W. A. More safety and more striking power with four-wheel drive tractor. (Ge) Landmasch.-Markt 45(7):342,344,346. Mar.30, 1966. 58.8 L239
- 60053 BAREISS, G. Where are we with loading trailers? (Ge) Landmasch.-Rundsch. 18(3):73-77. Mar.1966. 58.8 L237
- 60054 BAUMGARTNER, J. Technical novelties on tractors. (Ge) Traktor Landmasch. 28(5):257-259. Mar.2,1966. 58.8 T678Ag
- 60055 BELINSKII, V. Use of synthetic diamonds in repairs of engines. (Rus) Tekh. Sel'skom Khoz. 3:68-70. Mar.1966. 58.8 M11 Tractors.
- 60056 BERK, M. A. A manufacturer looks at standardization benefits. Amer. Soc. Agr. Eng. Pap. 116,7 p. 1965. 290.9 Am32P Garden tractors.
- 60057 BOLTINSKII, V. N. Comparative industrial tests of tractor units at speeds of 5-9 and 9-15 km/hr. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:1-17. Mar.15,1965. (JPRS 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:1-6. 1964.
Issued by CFSTI.
- 60058 BONDARENKO, N. More attention to tires. (Rus) Tekh. Sel'skom Khoz. 3:72-73. Mar. 1966. 58.8 M11
- 60059 BORDEN, R. P., and HOLZBOCK, W. G. Open-center and closed-center systems. Amer. Soc. Agr. Eng. Pap. 131,21 p. 1965. 290.9 Am32P Tractor hydraulics.
- 60060 BRUWER, J. J. Look well after your fuel. Farming S. Afr. 41(12):37,39,41. Mar.1966. 24 So842 For tractors.
- 60061 BRYANT, W. R. Small tractor and equipment standardization—the manufacturer views standardization. Amer. Soc. Agr. Eng. Pap. 118,2 p. 1965. 290.9 Am32P
- 60062 BUNTING, E. V. The Ferguson system—past and present. Amer. Soc. Agr. Eng. Pap. 133, 20 p. 1965. 290.9 Am32P Tractor hydraulics.
- 60063 CAPARRINI, P. Agricultural tractors and their characteristics for use. (It) Tec. Agr. 17(5/6):516-559. Sept./Dec.1965. 16 T22 Mechanics and costs.
- 60064 CAYTON, D. W. Sleds. West. Far Equip. 63 (4):FMW11-FMW14. Apr.1966. 58.8 Im73
- 60065 CH'EN, C. H. Some notes on using the Kung-Nung type 7 manual operated tractor. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105:18-24. Jan.13,1966. (JPRS 33,727; TT 66-30171) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh 7:31-32. July 10,1965.
Issued by CFSTI.
- 60066 COCHET, J. An anticipation; tractor of 1980. (Fr) Agriculture [Paris] 29(286):37,39. Feb. 1966. 14 Ag823
- 60067 DAHIR, A. G., and STOUT, B. A. Effect of liquid and dry ballast in pneumatic tires on stability of tractors. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):135-137. 1965. 290.9 Am32T
- 60068 DANTCHENKO, N. Wear of spline joints in tractor gear box. (Rus) Tekh. Sel'skom Khoz. 3:76-79. Mar.1966. 58.8 M11
- 60069 DEEV, V., LYT'YAKOV, A., and EKSLEK, I. Building-up crankshaft necks under flux. (Rus) Tekh. Sel'skom Khoz. 3:62-64. Mar.1966. 58.8 M11 Tractors.
- 60070 DE GRAFF, R. P., and STEVENSON, D. L. Testing and development of garden tractors and implements. Amer. Soc. Agr. Eng. Pap. 649,12 p. 1965. 290.9 Am32P
- 60071 ELEMA, H. M. Shall we have electric agricultural tractors? 4 p. Transl. 14381
Translation from Landbouwmechanisatie 11 (10):649,651,653. Oct.1960.
- 60072 EMERY, R. L. Keep the wheels turning—but take good care of that tilth. Power Farming 36 (4):8-9. Apr.1966. 58.8 P872 Wheels and tires of tractors.
- 60073 FARRALL, A. W. An inertial propulsion system. Amer. Soc. Agr. Eng. Pap. 618,7 p. 1965. 290.9 Am32P For vehicles.
- 60074 FELDMANN, F. Graduated tractor drive with easy shifting. II. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):34-36. Feb.15,1966. 58.8 D81
- 60075 FELLINGER, D. Solutions which are non-existent. (Ge) DLZ (Deut. Landtech. Z.) 17(3): 131-132. Mar.1966. 58.8 T677 Situation of tractor mounted equipment.
- 60076 FIKSEL, M. Smooth adjustment of valve timing. (Rus) Tekh. Sel'skom Khoz. 3:58-61. Mar.1966. 58.8 M11 Tractor engine.
- 60077 GATES, C. R. Standardization spells survival for the small manufacturers. Amer. Soc. Agr. Eng. Pap. 114,6 p. 1965. 290.9 Am32P Garden tractors.
- 60078 GOTO, S., KOBAYASHI, J., and ISHIDA, Y. An experimental study on the use of tractors for rice field cultivation. 20 p. Transl. 15435
Translation from Nogyo Doboku Kenkyu 10: 13-18. 1964?
- 60079 HABAN, J. Standardization—a "must" for all concerned particularly, Mr. X (the customer). Amer. Soc. Agr. Eng. Pap. 113,7 p. 1965. 290.9 Am32P Tractors.
- 60080 HERSHMAN, G. L. Marking the route for better tractor hydraulic system consolidation. Amer. Soc. Agr. Eng. Pap. 629,13 p. 1965. 290.9 Am32P
- 60081 HETH, S. C. The small tractor in the world market. Amer. Soc. Agr. Eng. Pap. 110,9 p. 1965. 290.9 Am32P
- 60082 HORNIG, H. The contract labor and aerial plant protection. (Ge) Lohnunternehmen Land-Forstwirtschaft. 21(2):32-34. Feb.15,1966. 58.8 D81
- 60083 HORVATH, J. Four-wheel drive tractors in agriculture. (Hu) Mezogazdasagi Vilagirodalom 8(1):61-66. Ref. 1966. 19 M577 Review of literature.
- 60084 HUANG, B. K., and SUGGS, C. W. Vibration studies of tractor operators. Amer. Soc. Agr. Eng. Pap. 610,19 p. Ref. 1965. 290.9 Am32P
- 60085 INTERFLUG GMBH. Anleitung für den Einsatz von Flugzeugen für land- und forstwirtschaftliche Zwecke [Guide for using airplanes for agricultural and forestry purposes]. Ed. 5, rev. Berlin, 1965. 18 p.,map. TL722.1.D4
- 60086 IZOTOV, A. YE. 1965 plans for the Soviet tractor industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 193:1-6. Apr.26,1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 2:1-2. Feb.1965.
Issued by CFSTI.

- 60087 JENSEN, J. K. Are tractors noisy? Amer. Soc. Agr. Eng. Pap. 608,8 p. 1965. 290.9 Am32P
- 60088 JERRY, R. L. Diesel service is more demanding than gas. Can. Farm Equip. Dealer 62(3): 26-28. Mar.1966. 58.8 C163 Tractors.
- 60089 KAS'YANOVA, N. New "Eureka" tractor with air-cushioned tracks. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:1-2. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-D) 173 J663Tsi
Operation of caterpillar type.
Translation from Sel'skaya Gazeta, May 28, 1965:2.
- 60090 KAUP, F. External safety on agricultural vehicles and their mounted equipment. (Ge) Landmasch.-Markt 45(6):294-295. Mar.16, 1966. 58.8 L239
- 60091 KING, D. L. Faulty brakes cause many tractor deaths. New Zeal. Meat Prod. 10(6):37. Mar.1,1966. 50.8 N48
- 60092 KLIMENKOV, V. Lipetsk tractor plant achieves profitable operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 166:11-16. Feb.3,1965. (JPRS 28,610; TT 65-30269; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 48:8-9. Nov.24,1964.
- 60093 KLIMENKOV, V., and RUBTSOV, G. Efficient operation of Lipetsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 168:1-6. Feb.18,1965. (JPRS 28,808; TT 65-30352) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 48:8-9. Nov.1964.
Issued by CFSTI.
- 60094 KOCHAN, N. Activities of the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:5-7. July 19,1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Sel'skaya Gazeta, June 5, 1965:2.
Issued by CFSTI.
- 60095 KOLESNIKOV, F. Public participation in tractor plant administration. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 244:6-8. Dec.7,1965. (JPRS 33,190; TT 65-33766; CSO 1830-S) 173 J633Tsi
Translation from Ekonomicheskaya Gazeta 45:5. 1965.
- 60096 KONONOV, A. Checking valve timing without dismantling engines. (Rus) Tekh. Sel'skom Khoz. 3:74-75. Mar.1966. 58.8 M11 Tractors.
- 60097 KOSATO, U. The use of helicopters in rice culture in Gifu Prefecture. (Ja) Nogyo Gijutsu 19(2):6-11, map. Feb.1964. 22.5 N6829
- 60098 KOSHMAN, V. Vibration suppression in tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 185:1-9. Apr.9,1965. (JPRS 29,513; TT 65-30695; CSO 1830-S/PE) 173 J663Tsi
Translation from Nauka i Zhizn' 10:18-21. Oct.1964.
- 60099 KUZNETSOV, M. Supply problems at Khar'-kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 184:6-7. Apr.8,1965. (JPRS 29,493; TT 65-30682) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 9:13. Mar.3,1965.
Issued by CFSTI.
- 60100 LANIN, S. A new incentive system instituted at Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 187:4-6. Apr.12, 1965. (JPRS 29,540; TT 30707) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 10:13. Mar.10,1965.
Issued by CFSTI.
- 60101 LASSER, M. Requisites of a proper tractor driver seat. (Ge) Traktor Landmasch. 28(4): 196-198. Mar.1,1966. 58.8 T678Ag
- 60102 LIANG, S. C. Kung-Nung type 7 manual-operated tractor. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105: 13-17. Jan.13,1966. (JPRS: 33,727; TT 66-30171) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh 6:29-30. June 10,1965.
Issued by CFSTI.
- 60103 LISTON, R. A. Walking machines. Amer. Soc. Agr. Eng. Pap. 120,20 p. 1965. 290.9 Am32P Vehicles.
- 60104 LONG, M. Population explosion—in baby tractors. Nation's Agr. 41(5):6-8. May 1966. 280.82 B89
- 60105 MASTER, W. R. The effect of higher pressures on open and closed center systems. Amer. Soc. Agr. Eng. Pap. 134,11 p. 1965. 290.9 Am32P Tractors.
- 60106 MOSKVIN, B. Production in the Chelyabinsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 216:38-41. July 19,1965. (JPRS 31,135; TT 65-31633; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 18:29. May 5,1965.
- 60107 NADRSIN, T. Get sled ready in summer. (Rus) Tekh. Sel'skom Khoz. 3:53-58. Mar. 1966. 58.8 M11
Transportation on the farm.
- 60108 NORTH, M. R. The draft-o-matic open center system. Amer. Soc. Agr. Eng. Pap. 132,15 p. 1965. 290.9 Am32P
In tractors.
- 60109 PASSELEGUE, G. Les tracteurs agricoles; etude technique, pratique et economique des tracteurs agricoles et du materiel adapte [Farm tractors; technical, practical and economical study of farm tractors and adapted material]. Paris, Hachette, 1965. 271 p. (Encyclopedie des Connaissances Agricoles) S711.P3
- 60110 PERSSON, S. P. E., and JOHANSSON, S. Weight transfer hitches for pull-type implements. Amer. Soc. Agr. Eng. Pap. 147,12 p. 1965. 290.9 Am32P Tractors.
- 60111 PETERSEN, R. The sense and nonsense of small tractors. (Ge) Tech. Landwirt. 18(3): 64,66. Mar.15,1966. 58.8 T223
- 60112 REED, I. F. Where we stand in the search for better traction. West. Farm Equip. 63(4): FMW5-FMW9. Apr.1966. 58.8 Im73
- 60113 REIDY, F. A., and REED, I. F. Traction in a submerged sand soil. Amer. Soc. Agr. Eng. Pap. 119,19 p. 1965. 290.9 Am32P
- 60114 REINKE, D. B. New hydrostatic drives for garden tractors. Amer. Soc. Agr. Eng. Pap. 112,6 p. 1965. 290.9 Am32P
- 60115 RUEB, H. P. The lighting of agricultural vehicles. (Ge) Grune 93(43):1519-1522. Oct.22, 1965. 17 Sch9
Use of warning lights.
- 60116 SEIFERT, A. Modern hydraulic on farm tractor. (Ge) Landmasch.-Rundsch. 18(4):112-116. Apr.1966. 58.8 L237

- 60117 SHCHEGLOV, YU., and YAMBAYEV, V. Trends in tractor machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 238:10-12. Nov.8, 1965. (JPRS 32,753; TT 65-33331; CSO 1830-D) 173 J663Tsi
Translation from Sel'skaya Zhizn', Oct.2, 1965:2.
- 60118 SHESTOPALOV, A. Activities in the export of Soviet tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:9-11. Aug.10,1965. (JPRS 31,487; TT 65-31983) 173 J663 Tsi
Translation from Vneshnyaya Torgovlya 6:36-37. June 1965.
- 60119 SHIH, C. J. Tractor assembly and dismantling tools using different types of power. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:9-11. Dec.22,1965. (JPRS 33,457; TT 65-34031) 173 J663Tco
Translation from Nung Yeh Chi Hsieh Chi Shu 7:4. July 13,1965.
Issued by CFSTI.
- 60120 SHISHKIN, B. Long range plans for tractor production 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:1-7. Nov.22,1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 10:33-37. Oct.1965.
- 60121 SIEG, R. Problems of effective overturning safety on tractors. (Ge) Landmasch.-Markt 45(6):284,286,289. Mar.16,1966. 58.8 L239
- 60122 SIVAK, B. G. Centralization and coordination of planning helps to increase production of Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 241:6-8. Nov.19,1965. (JPRS 32,933; TT 65-33510) 173 J663Tsi
Translation from Sel'skaya Zhizn', Oct.6, 1965:2.
Issued by CFSTI.
- 60123 SIVAK, B., and TOMASHCHUK, V. Tractor production problems at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 219:1-6. Aug.2,1965. (JPRS 31,354; TT 65-31851; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 26:17. June 1965.
- 60124 SMITH, N. An eye on design development the take-apart "tractor"—a machine of many parts. Power Farming 36(4):6-7. Apr.1966. 58.8 P872
- 60125 STEFANELLI, G. Agricultural tractors for sloping soils. (It) Tec. Agr. 17(5/6):347-361. Sept./Dec.1965. 16 T22
- 60126 STEINMETZ, H. Trailer for chopped material self constructed. (Ge) DLZ (Deut. Landtech. Z.) 17(4):244. Apr.1966. 58.8 T677
- 60127 STRADYMOV, F., TSEYTLIN, B., and KUZNETSOV, B. New standards and norms for expenditure of materials on repair of tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 180:18-27. Mar.29,1965. (JPRS 29,311; TT 65-30598) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 11:83-86. 1964.
Issued by CFSTI.
- 60128 TANQUARY, E. W., and POULSOM, D. P. Hic-clearance cane tractors and multi-row equipment. Amer. Soc. Agr. Eng. Pap. 145,10 p. 1965. 290.9 Am32P
- 60129 TOKAREV, V. Strobotachometer for checking oil centrifuge. (Rus) Tekh. Sel'skom Khoz. 3:79-80. Mar.1966. 58.8 M11
On tractor.
- 60130 TREPENENKOV, I. I., and TEYTEL'BAUM, Z. I. Tractor output in 1965. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 181:1-20. Mar.30, 1965. (JPRS 29,341; TT 65-30609) 173 J663Tsi
Statistics.
Translation from Traktory i Sel'khoz mashiny 1:1-11. Jan.1965.
Issued by CFSTI.
- 60131 TYULENEV, P., and SOSNIN, V. Automatic steering of an S-80 tractor. 10 p. Transl. 14511
Translation from Tekhnicheskies Sovety: Kol'hozam, RTS, MTS, Sovkhozam 4:2-6. 1959.
- 60132 ULITSKII, E. YA. Improving working conditions during tractor operation at increased speeds. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:24-32. Mar.15,1965. (JPRS 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Includes tests.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:25-27. 1964.
Issued by CFSTI.
- 60133 VAN SYOC, W. M., and LEMMON, N. F. The new ASAE three-point hitch quick-attaching coupler standard. Amer. Soc. Agr. Eng. Pap. 630,12 p. 1965. 290.9 Am32P
- 60134 VARNAVSKII, V. Programming and management of work done by tractors and other equipment. (Rus) Tekh. Sel'skom Khoz. 3:50-52. Mar.1966. 58.8 M11
- 60135 WENDEBORN, J. O. Modern driving shifts for tractors. (Ge) Landmasch.-Rundsch. 18(4):107-108,110-112. Apr.1966. 58.8 L237
- 60136 WILDING, R. Radical innovations in British tractors. (It) Prog. Agr. [Bologna] 9(2):228-237. Feb.1965. 58.8 P94
- 60137 WITT, R. H. Standardization and the public interest. Amer. Soc. Agr. Eng. Pap. 117, 7 p. 1965. 290.9 Am32P
Garden tractors.
- 60138 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Automotive program; Unit record book. Wyo. Univ. Ext. [4-H Club. Circ.] AU-5a,8 p. July 1965. 275.29 W99Fc
- 60139 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Tractor operator's contest. Wyo. Univ. Ext. [4-H Club. Circ.] TC-2,9 p. 1965. 275.29 W99Fc
- 60140 ZIYAEV, D. Increasing durability of cylinder liners for tractor engines. (Rus) Tekh. Sel'skom Khoz. 3:64-66. Mar.1966. 58.8 M11

FARM STRUCTURES AND RURAL HOUSING

- 60141 AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS. New developments in paint applying equipment. Amer. Soc. Agr. Eng. Pap. 929,3 p. 1965. 290.9 Am32P
For farm buildings.
- 60142 BATES, D. W. Build concrete floors right. Hoard's Dairymen 111(9):576. May 10,1966. 44.8 H65
- 60143 BONNICKSEN, L. W. Designing buildings using structural reliability and equal marginal utility concept. Amer. Soc. Agr. Eng. Pap. 906,29 p. Ref. 1965. 290.9 Am32P
- 60144 BUBB, D. Timber farm buildings. Australian Timber J. Building Prod. Merchandiser 32(1):83,86,89. Feb.1966. 99.81 Au7
- 60145 CURTIS, J. O., and HANSEN, E. L. Self-anchored, continuously insulated concrete wall panels. Amer. Soc. Agr. Eng. Pap. 901, 12 p. 1965. 290.9 Am32P
For farm buildings.

- 60146 DZHABAROV, B. Urgent needs of construction industry of farm buildings. (Rus) Sel'skoe Khoz. Tadh. 10:31-33. Oct.1965. 20 Se494 Capital.
- 60147 GELS, J. A. New covers for old thatched roofs. (Du) Landbouwmecanisatie 17(3):245-250. Mar.1966. 58.8 L2352 English summary.
- 60148 JONES, D. L. The new ACI [American Concrete Institute] Code. (Condensed.) Agr. Eng. 47(4):200-201,211. Apr.1966. 58.8 Ag83 Effect on agricultural construction.
- 60149 MATHIAS, J. R. General-purpose buildings on hill farms. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):89-90. Feb.1966. 10 G79J
- 60150 MISRA, R. D., and ESMAY, M. L. A theoretical and experimental investigation of stress distribution in the punched metal plate of a timber joint. Amer. Soc. Agr. Eng. Pap. 907, 19 p. 1965. 290.9 Am32P Farm building construction.
- 60151 MOLBERT, H. Building types for family farms. (Ge) DLZ (Deut. Landtech. Z.) 17(3):148,150, 153. Mar.1966. 58.8 T677
- 60152 MUEHLING, A. J. Insulation—application and problems. Amer. Soc. Agr. Eng. Pap. 913, 9 p. 1965. 290.9 Am32P Farm buildings.
- 60153 OLSON, H. C. Erection and fabrication techniques in steel and aluminum farm buildings. Amer. Soc. Agr. Eng. Pap. 912, 6 p. 1965. 290.9 Am32P
- 60154 OSMOLOVSKII, M., STERN, V., and TIKHOMIROV, R. Construction work and concentration of production. (Rus) Ekon. Sel'skogo Khoz. 3:67-74. Mar.1966. 281.8 So73 Policies.
- 60155 PARKER, B. F., and WHITE, G. M. Effectiveness of jets produced by fan-baffle arrangement in mixing and distributing ventilation air. Amer. Soc. Agr. Eng. Pap. 408, 19 p. 1965. 290.9 Am32P In buildings.
- 60156 PRATELLI, G. Construction schemes for rural building elements. (It) Tec. Agr. 17(5/6): 477-515. Sept./Dec.1965. 16 T22
- 60157 RUITERKAMP, J. W. Improvement of construction of new farm buildings. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorzichting Jaarnummer 1965:33-38. 12 N3833J Includes designs.
- 60158 SAMVIRKENDE JYDSKE HUSMANDSFORENINGER, BYGNINGS- OG MASKINUDVALGET. Bygninger og maskiner [Buildings and equipment], 1965, by O. E. Kristiansen. Aarhus, 1966. 296.9 Sa4
- 60159 SCOTT, N. R., and BOYD, L. L. An experimental and theoretical study of heat transfer through masonry walls. Amer. Soc. Agr. Eng. Pap. 902, 25 p. Ref. 1965. 290.9 Am32P Concrete and other types of masonry.
- 60160 STEFANELLI, G. Modern directions in rural building. (It) Tec. Agr. 17(5/6):387-402. Sept./Dec.1965. 16 T22
- 60161 WELCH, G. B., and NELSON, G. L. Effects of sustained load and load cycling on yielding of a rigid frame foundation in clayey soil. Amer. Soc. Agr. Eng. Pap. 903, 21 p. 1965. 290.9 Am32P
- 60162 WIEGAND, E. Facts about floor care. Cornell Univ. Ext. Cornell Ext. Bull. 1157, 8 p. Feb. 1966. 275.29 N48E
- 60163 WILLIAMS, I. L. Air structures: for agriculture? (Condensed.) Agr. Eng. 47(4):212-213. Apr.1966. 58.8 Ag83 Various uses of inflatable buildings.
- 60164 WILLMAN, J. L. Reduce summer temperatures in galvanized steel covered buildings. Amer. Soc. Agr. Eng. Pap. 501, 4 p. 1965. 290.9 Am32P

Animal Shelters and Animal Service Buildings

- 60165 ANDERSEN, J. B. Considerations in connection with investment in building. (Da) Landbonyt 19(9):321-322,324-326. Sept.1965. 11 L2322 In regard to returns from swine husbandry.
- 60166 BATES, D. W. Free-stall housing for dairy cattle. Minn. Univ. Ext. M-138, rev., 8 p. Dec.1965. 275.29 M66Ps
- 60167 BATES, D. W. How to plan your stall dairy barn. Minn. Univ. Ext. [Plan Sheet] M-132, rev., 6 p.-folder. Jan.1966. 275.29 M66Ps
- 60168 BATES, D. W. How to select and install electric fans for dairy stable ventilation. Minn. Univ. Ext. M-128, rev., 4 p. Dec.1965. 275.29 M66Ps
- 60169 BEREK, G. Housing aspects of loss-free piglet rearing. (Hu) Mezogazdasagi Vilagirodalom 8(1):45-50. Ref. 1966. 19 M577 Review of literature.
- 60170 BESSE, J. Conception and layout of a laying house. (Fr) Rev. Elevage 39(spec.no.):93-94, 97-98,101-102,105-106,109,111. 1966. 49 B462
- 60171 BLANKEN, G. Stabling without litter. (Ge) DLZ (Deut. Landtech. Z.) 17(3):154,156,158. Mar.1966. 58.8 T677 Cattle, swine and poultry.
- 60172 BOCSOR, G., and FISCHER, P. Stall climate in poultry production. (Hu) Mezogazdasagi Vilagirodalom 8(1):80-83. Ref. 1966. 19 M577 Review of literature.
- 60173 BROWN, R. H., and STONE, B. J. Air ionization in the environment of farm animals. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):15-17. Ref. 1965. 290.9 Am32T
- 60174 CASON, J. L., and FELTON, K. E. Free-stall housing for dairy cattle. Md. Univ. Ext. Fact Sheet 176, 4 p. Jan.1966. 275.29 M36Fa
- 60175 CATTABRIGA, D. Highly efficient equipment for air conditioning the swine house. (It) Suinicoltura 6(11):41-44. Nov.1965. 46.8 Su3
- 60176 CATTABRIGA, D. An interesting type of stall for cattle. (It) Genio Rurale 29(3):271-276. Mar.1966. 281.8 R522 Loose housing with stalls and slatted floors.
- 60177 CHIAPPINI, U. Bunk loose housing in England. (It) Genio Rurale 28(5):350-359. May 1965. 281.8 R522 For cattle.
- 60178 COMBERG, G. Further research on the problem of injurious gases in the air of swine stalls with slatted floors. (Ge) Bauen Lande 17(2):46-49. Feb.1966. 296.8 Ar1 Carbon dioxide, ammonium, and hydrogen sulfide.
- 60179 CURTO, G. M. Considerations on some interesting shelters for swine. (It) Suinicoltura 6 (8/9):39-47. Aug./Sept.1965. 46.8 Su3 Chiefly new developments in housing and pens.
- 60180 DATTILO, M. Climatic and sanitary requirements of swine. (It) Aliment. Anim. 9(5):231-232. May 1965. 389.78 AL4 Temperature and humidity in housing.
- 60181 DAVIS, B. M. Too hot for comfort. EMB (Egg Marketing Board) Bull. 6(2):29-30. Feb. 1966. 280.38 Eg3 Poultry house ventilation.
- 60182 DAY, D. L., HANSEN, E. L., and ANDERSON, S. Gases and odors in confinement swine buildings. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):118-121. Ref. 1965. 290.9 Am32T
- 60183 DEFOREST, S. S. Manufacturers' role in developing and marketing totally confined dairy and beef systems. Amer. Soc. Agr. Eng. Pap. 917, 9 p. 1965. 290.9 Am32P Buildings and equipment.
- 60184 ENYEDI, S. Litter saving livestock housing. (Hu) Mezogazdasagi Vilagirodalom 8(1):77-80. (Cont.) 1966. 19 M577 Review of literature.

- 60185 GUTTON, M. Battery laying. (Fr) Rev. Elevage 39(spec.no.):113-115,117-118,121,123-124. 1966. 49 B462
Housing plans.
- 60186 HARTMANN. Swine fattening on farms. (Ge) Bauen Lande 17(2):42-44. Feb.1966. 296.8 Ar1
Stalls and feeding equipment.
- 60187 JENSEN, P. H. Sheep pens. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:109-119. 1965. 33.11 AL7
- 60188 KAMPHORST, H. Poultry fattening. (Du) Inzicht 20(3):46-47. Mar.1966. 44.8 In9
Housing problems.
- 60189 KOMAROV, N., and SEMENOV, K. Aeroionization in animal buildings. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 3:92-97. Ref. Mar. 1966. 20 V633
- 60190 KRAGGERUD, H. Udformning af svinestalde med flydende godning [Design for hog houses with liquid manure]. Norges Landbrukshogsk. Inst. Bygningsteknikk. Stensiltrykk 55,10 p. Nov.1965. 49.9 N76
- 60191 KRAGGERUD, H., and NYGAARD, A. Udformning af kvaegstalde med flydende godning [Design for dairy barns with liquid manure]. Norges Landbrukshogsk. Inst. Bygningsteknikk. Stensiltrykk 56,11 p. Ref. Nov.1965. 49.9 N76
- 60192 LIGHT, R. G. Climate and environmental control in free stall dairy housing. Amer. Soc. Agr. Eng. Pap. 945,13 p. 1965. 290.9 Am32P
Temperature and ventilation.
- 60193 LILLENG, H. Heating of livestock housing. (No) Norsk Landbruk 20:10-11,26. Oct.8,1965. 11 N8122
- 60194 LUCCHINI. Development of dairy cattle housing. (Fr) Tech. Lait. 3(spec.no.1):35-45,map. Mar.4,1966. 44.8 OF2
- 60195 MADDEX, R. L. Free stall: the most significant new development in dairying. Amer. Soc. Agr. Eng. Pap. 914,16 p. 1965. 290.9 Am32P
- 60196 MEYER, V. M. Experiences with heating cable installed directly on expanded polystyrene. Amer. Soc. Agr. Eng. Pap. 842,3 p. 1965. 290.9 Am32P
To heat the floor of a farrowing stall.
- 60197 MOORE, J. L. The Dutch barn and lean-to. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):140-141. Mar.1966. 10 G79J
- 60198 MOORE, R. M. Engineering and building confinement beef and free-stall dairy systems. Amer. Soc. Agr. Eng. Pap. 916,5 p. 1965. 290.9 Am32P
- 60199 OBER, J., and KIESL, H. P. Test with an apparatus for dehumidifying barn air. (Ge) Bayer. Landwirt. Jahrbuch 42(3):348-357. 1965. 18 L24
Swine housing.
- 60200 OLENEV, V. A. Channel-sectional ventilation of dairy barn. (Rus) Veterinariya 10:76-79. Oct.1965. 41.8 V6426
- 60201 ORDANINI, P. Considerations on open stalls. (It) Agr. Milan. 14(9):300-302. Sept.1965. 16 C153
For cattle.
- 60202 OTA, H., and MCNALLY, E. H. Preliminary broiler heat and moisture data for designing poultry houses and ventilation systems. Amer. Soc. Agr. Eng. Pap. 411,12 p. 1965. 290.9 Am32P
- 60203 PATTIE, D. R. Limitations due to vapour barrier; importance of diffusion in ventilation. Amer. Soc. Agr. Eng. Pap. 943,8 p. 1965. 290.9 Am32P
Livestock housing.
- 60204 PATTIE, D. R. Porous materials in ventilation. Amer. Soc. Agr. Eng. Pap. 409,7 p. 1965. 290.9 Am32P
In animal housing.
- 60205 PHILLIPS, R. E., and NYE, J. F. A free stall barn that cost \$251 per cow. Hoard's Dairyman 111(8):511,537. Apr.25,1966. 44.8 H65
- 60206 POHLMANN, H. Trends in development and experiences with cattle loafing barns. (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):454-458. Mar.17,1966. 18 N39
- 60207 RICHTER, D. Here are the new advances in farm buildings. Farm Technol. 21(3):17-18,58. Mar.1965. 275.28 N213
Chiefly swine housing.
- 60208 RIEMANN, U. The troughless swine stall with groats distributing equipment. (Ge) Bauen Lande 17(2):25-28,39. Feb.1966. 296.8 Ar1
Design.
- 60209 RYAN, D. M. Open growing-finishing hog house; Number 1 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-133, rev.,4 p. Mar.1966. 275.29 M66Ps
Designs.
- 60210 RYAN, D. M. Slatted floors for hogs; Number 3 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-135,rev.,11 p. Feb.1966. 275.29 M66Ps
Designs.
- 60211 RYAN, D. M. Sow herd quarters and farrowing units; Number 4 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-136, rev.,11 p. Mar.1966. 275.29 M66Ps
Designs.
- 60212 SCOTT, N. R. Analysis and performance of an earth-air heat exchanger. Amer. Soc. Agr. Eng. Pap. 840,46 p. Ref. 1965. 290.9 Am32P
For air conditioning of livestock buildings.
- 60213 STIETENROTH, K. Questions concerning bioclimate of barns and their application in practice. (Ge) World Rev. Anim. Prod. 4:85-94, map. Oct./Dec.1965. 49 W89
English summary.
- 60214 VOGEL, G. Prefabricated buildings for milk-producing farms. (Ge) Bauen Lande 17(2):36-42. Feb.1966. 296.8 Ar1
Designs; includes costs.
- 60215 WEST OF SCOTLAND AGRICULTURAL COLLEGE. The Auchincruive cow cubicles. West Scot. Agr. Coll. Adv. Leaf. 78,rev.,4 p. Nov. 1965. 103 W52Ad
Designs.
- 60216 WESTENDORP, T. What type partitions in the application of lying boxes. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(10/11):501-504. Oct./Nov.1965. 12 N383M
For cattle.
- 60217 WIERSMA, F., and STOTT, G. H. Micro-climate modification for hot weather stress relief in dairy cattle. Amer. Soc. Agr. Eng. Pap. 404,14 p. 1965. 290.9 Am32P
Cattle housing and effects on the animal.
- 60218 WINTERS, W., DAVIS, E., and ESTEP, A. J. Housing for dairy calves. PNW (Pacific Northwest Coop. Ext.) Bull. 71,16 p. Aug.1965. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.
- 60219 WITZEL, S. A., and others. Cold deep-bedded pack vs. cold free stalls for loose-cow housing. Amer. Soc. Agr. Eng. Pap. 944,21 p. Ref. 1965. 290.9 Am32P
N. A. Jorgensen, R. F. Johannes, H. J. Larsen, and C. O. Cramer, joint authors.
- 60220 ZUCCHI, G. Newest automated pig houses for breeding and raising. (It) Suinicoltura 6(8/9):25-34. Aug./Sept.1965. 46.8 Su3

Farmhouses and Farmsteads

- 60221 ANDERSON, L. O. Development of an improved system of wood-frame house construction. U. S. Forest Serv. Res. Paper FPL 47, 12 p. Oct.1965. A99.9 F7634U
- 60222 KENT, T. E., and TETER, N. C. Rural blast shelters. (Condensed.) Agr. Eng. 1(3):144-145. Mar.1966. 58.8 Ag83
- 60223 KUNERT, H. Combination of heating and hot water supply. (Ge) Tech. Landwirt. 18(3):72-74. Mar.15,1966. 58.8 T223
Farm houses.

- 60224 SEVERSEN, E. Kitchen cabinet planning. Ark. Univ. Ext. Circ. 498, rev., 15 p. Nov. 1965. 275.29 Ar4
- 60225 SEVERSEN, E. Plan your kitchen for efficiency, convenience and beauty. Ark. Univ. Ext. Circ. 495, rev., 14 p. Oct. 1965. 275.29 Ar4
- 60226 U. S. AGRICULTURAL RESEARCH SERV. 3-bedroom farmhouse; cooperative farm building plan No. 7165. U. S. D. A. Misc. Publ. 1010, 2 p. Feb. 1966. 1 Ag84M
- 60227 VYAS, V. S. Rural housing. Kurukshetra 14 (4):25-26. Jan. 1966. 281.28 K96 Policies.
- 60228 YANGGEN, D. A., and others. So you're planning on moving to the country; hints on selecting a homesite. Wis. Univ. Ext. Circ. 650, 8 p. Feb. 1966. 275.29 W75C
M. T. Beatty, W. A. Rowlands, T. J. Brevik, and G. A. Ziegler, joint authors.

Greenhouses and Plant Service Buildings

- 60229 ALDRICH, R. A. A multibarrel vault greenhouse roof of glass fiber reinforced plastic. Amer. Soc. Agr. Eng. Pap. 425, 15 p. 1965. 290.9 Am32P
- 60230 BUSCHER, F. K. Greenhouse crops. Amer. Veg. Grower 14(3):42, 44, 46. Mar. 1966. 80 C733
Chiefly the automatic ventilation of the greenhouse.
- 60231 COSTER, R. DE. Comparative estimate of the cost of heating witloof with coal and electricity. (Fr) Rev. de l'Agr. 17(4):525-529. Apr. 1964. 13 R322
In forcing.
- 60232 GAVRILOV, N. Tower type greenhouse with conveyor in Austria. (Rus) Tekh. Sel'skom Khoz. 3:89-91. Mar. 1966. 58.8 M11
- 60233 KOSTELJIK, S., and WITHAGEN, C. P. The expenses connected with natural gas burning. I. (Du) Neth. Dir. Tuinbouw. Mededel. 28(1):15-20. Jan. 1965. 86 N384
English summary, p. 49-50.
Greenhouses.
- 60234 MUIJZENBERG, E. W. B. VAN DEN. Simulation of climate. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):162-167. Mar. 1965. 86 N384
English summary, 174.
Through the use of plastics in greenhouses.
- 60235 UVAROV, V. Device for lifting hotbeds frames. (Rus) Tekh. Sel'skom Khoz. 3:23-24. Mar. 1966. 58.8 M11

Materials and Methods

- 60236 CURTIS, J. O., and BRADLEY, J. D. Stresses in plywood gusset plates for trusses. Amer. Soc. Agr. Eng. Pap. 422, 15 p. 1965. 290.9 Am32P
In building construction.
- 60237 GRIEBELER, W. L. Plywood and its application in field construction. Amer. Soc. Agr. Eng. Pap. 909, 19 p. 1965. 290.9 Am32P
Farm buildings.
- 60238 KITE, G. D., and ROBERTS, H. R. Developing county programs in the proper use of concrete in farm construction. Amer. Soc. Agr. Eng. Pap. 502, 5 p. 1965. 290.9 Am32P
- 60239 PAGE, W. D. Factory manufactured wood building components. Amer. Soc. Agr. Eng. Pap. 908, 9 p. 1965. 290.9 Am32P
- 60240 MOUNIER, D. Utilization of wood in agriculture. (Fr) Cah. Ingen. Agron. 198:37-40. Aug./Sept. 1965. 14 C112
Chiefly in construction of animal shelters in France.
- 60241 NEUBAUER, L. W., and QUINTERO, J. High pressure to strengthen and stabilize soil-cement and adobe bricks. Amer. Soc. Agr. Eng. Pap. 427, 6 p. Ref. 1965. 290.9 Am32P

- 60242 NYSTROM, B. From foundation to roof: simplify the building—use poles. (Sw) Jord Skog 17(9):22-23. 1965. 58.8 M373
Dairy barns.
- 60243 O'MEARA, D. C. A sealer preservative for poultry handling crates, equipment and buildings. Maine Farm Res. 13(3):7-9. Oct. 1965. 100 M28Ma
- 60244 RICCI, C. Construction materials in rural building. (It) Tec. Agr. 17(5/6):375-386. Sept./Dec. 1965. 16 T22
- 60245 WHITTIER, G. Lumber and farm buildings. Amer. Soc. Agr. Eng. Pap. 910, 7 p. 1965. 290.9 Am32P
Strength.

Storage Structures

- 60246 BULDINI, F. Farm installations for grain storage. (It) Genio Rurale 28(5):392-399. May 1965. 281.8 R522
- 60247 CALL, S. Vertical and horizontal silos. (It) Genio Rurale 29(3):277-282. Ref. Mar. 1966. 281.8 R522
- 60248 CULPIN, C. Choosing a grain storage system. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):52-58. Feb. 1966. 10 G79J
Structures on the farm.
- 60249 MURESAN, S. Research concerning the silo storage of potatoes. (Rum) Probl. Agr. [Bucharest] 17(10):35-45. Ref. Oct. 1965. 21 R862
English summary.
Types in Rumania.
- 60250 PHILLIPS, R. E. What's the most practical storage for corn silage? Agway Coop. 2(5):12-13. May 1966. 280.28 Ag9
Silos types.
- 60251 REINSCH, H. Durable protective painting for inner surfaces of silo. (Ge) DLZ (Deut. Landtech. Z.) 17(4):217, 219. Apr. 1966. 58.8 T677
- 60252 TILLEY, M. F., and HINE, H. J. Building with a purpose. 8. The Power Farming 500-ton potato store. Power Farming 36(4):45-50. Apr. 1966. 58.8 P872
- 60253 ZUCCHI, G. Hay silo: innovation for Italian livestock raising. (It) Genio Rurale 28(6):481-485. June 1965. 281.8 R522
Called a Curvet silo in the United States.
- 60254 ILLES, A., and ENYEDI, S. Data on question of litterless housing and use of perlite instead of straw. (Hu) Allattenyesztes 15(1):23-32. Ref. Mar. 1966. 49 AL57
English summary.
Cattle.

Walls and Fences

- 60255 LANGE, W., and DECKER, W. Possibilities for accident by electric fence installations. (Ge) Monatsh. Veterinarmed. 20(24):1004-1011. Ref. Dec. 15, 1965. 41.8 M742
- 60256 LUCAS, J. L. Basic facts on electric fence-charging units. Power Farming Australia New Zeal. Better Farming Dig. 75(3):19. Mar. 1966. 58.8 P87
- 60257 MCLAUCHLAN, G. Research shows that national bill for fences might well be substantially reduced. New Zeal. J. Agr. 112(3):60-61. Mar. 1966. 23 N48J
- 60258 OTTO, H. J. How will the electric fence remain safe? (Ge) DLZ (Deut. Landtech. Z.) 17(4):208-209. Apr. 1966. 58.8 T677

FARM UTILITIES

Electricity and Electrification

- 60259 ALTMAN, L. B., and PRINGLE, H. S. Farm wiring in the 1965 National Electrical Code. Amer. Soc. Agr. Eng. Pap. 313, 14 p. 1965. 290.9 Am32P

- 60260 BRANTON, D. F. Uniform symbol usage to annotate electric-control schematics and wiring diagrams. Amer. Soc. Agr. Eng. Pap. 837,3 p. 1965. 290.9 Am32P
- 60261 CRONIN, B. Midwest farmers' resolution gives support to supplemental financing plan. Rural Elec. 24(7):21-22. Apr.1966. 335.8 N21 Of Rural Electrification Administration.
- 60262 GAVRILENKO, V. Improving isolation of heating elements. (Rus) Tekh. Sel'skom Khoz. 3: 38-39. Mar.1966. 58.8 M11
- 60263 MILLER, H. G. Wyoming 4-H electrical living: lighting. Wyo. Univ. Ext. [4-H Club. Circ.] Hi-45,45 p. 1965. 275.29 W99Fc
- 60264 REINA, A. Power and electric light in our country. (It) Esso Agr. 14(1):19. Dec.1965. 58.8 Es7 Rural electrification.
- 60265 SCHECHTER, N. E. The generation and transmission program of the Rural Electrification Administration. Diss. Abs. 26(3):1409. Sept. 1965. 241.8 M58
- 60266 SCIUBBA, R. Four-year plan for the electrification of the countryside. (It) Genio Rurale 29(2):139-141. Feb.1966. 281.8 R522
- 60267 SCIUBBA, R. Technical and economic principles for general use of electricity in agriculture. (Fr) Mediterranea 9:56-62. Jan./Mar. 1966. 281.8 M462 English summary. Extensive use on the farm affects costs and credit.
- 60268 SCIUBBA, R. What is happening in the rural electrification sector? (It) Genio Rurale 29(3):227-228. Mar.1966. 281.8 R522
- 60269 STOVER, H. E., and SELF, E. W. Lighting in your home. Kans. State Univ. Ext. C-361,8 p. Nov.1965. 275.29 K13Ex
- 60270 U. S. RURAL ELECTRIFICATION ADMIN. Report of the Administrator, 1965. Washington, 1965. 46 p.,map. 173.2 R88A
- 60271 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming 4-H electrical living record book: lighting. Wyo. Univ. Ext. [4-H Club. Circ.] Hi-45a,13 p. 1965. 275.29 W99Fc
- Heating, Lighting, and Radiation
- 60272 BARRETT, J. R., and DANIEL, W. H. Turf heating with electric cables. Amer. Soc. Agr. Eng. Pap. 841,12 p. Ref. 1965. 290.9 Am32P
- 60273 STRIZHEV, A. Motor fuels should be consumed in a more thrifty manner in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:160-166. June 16,1965. (JPRS 30,640) 173 J663Tso Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 2:40-42. Feb.1965. Issued by CFSTI.
- 60274 ZEMLYANOI, I. Compensated scheme for switching mercury-vapor quartz lamps. (Rus) Tekh. Sel'skom Khoz. 3:40-41. Mar.1966. 58.8 M11 Used for poultry lighting.
- 60279 GUBENKOV, N. Excess of defective engines produced by Serp i Molot plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 195:5-10. Apr.29,1965. (JPRS 29,811; TT 65-30847) 173 J663Tsi Diesel engines. Translation from Ekonomicheskaya Gazeta 10:29. Mar.1965. Issued by CFSTI.
- 60280 HOFFMANN, H. M. Application experience and company policy on phase converters. Amer. Soc. Agr. Eng. Pap. 317,6 p. 1965. 290.9 Am32P Electric motors.
- 60281 LONG, M. Farm machinery maintenance—how to reduce engine oil consumption. World Farming 8(4):38-39. Apr.1966. 30.08 W89
- 60282 LONG, M. How to reduce engine oil consumption. World Farming 8(4):38-39. Apr.1966. 30.08 W89
- 60283 LOOS, A. The electric motor—versatile driving force in agriculture. (Ge) Landmasch.-Markt 45(7):337-341. Mar.30,1966. 58.8 L239
- 60284 MAREE, W. S. Methane gas from farm and animal waste. Farming S. Afr. 41(12):6-7,9. Mar.1966. 24 So842 Manufacture.
- 60285 MARKETOV, M. Multifuel engine. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 195:1-4. Apr.29,1965. (JPRS 29,811; TT 65-30847) 173 J663Tsi Translation from Sel'skii Mekhanizator 2: 18. Feb.1965. Issued by CFSTI.
- 60286 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Demand for energy in northern India, by P. S. Lokanathan. New Delhi, 1965. 165 p. HD9556.I42N3 Includes demand for power in agriculture.
- 60287 TAKEDA, S. Studies on lubricating oil for farm engines. Working performance of farm engines with various oils, and detecting methods of the declination of oils in the field. (Ja) Ehime Univ. Mem. Sect. VI, Agr. 11(1): 175-321. Ref. Oct.1965. 107.6 Eh33 English summary. Tests of lubricants.
- 60288 VO QUOC TUY. Stepping up the development of small hydroelectric power stations. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:41-52. Mar.3,1966. (JPRS 34,389; TT 66-30829) 173 J663Trn Translation from Nghien Cuu Kinh Te 30:46-51. Dec.1965. Issued by CFSTI.
- 60289 WAHLEN, D. J. Engine manufacturer's comment on standardization. Amer. Soc. Agr. Eng. Pap. 115,4 p. 1965. 290.9 Am32P
- 60290 WALLACE, R. L. TVA's pricing of electric power. Diss. Abs. 26(8):4290. Feb.1966. 241.8 M58
- 60291 WHITTEMORE, L. R. Windmills. West. Horseman 31(3):61,77-78. Mar.1966. 42.8 W522

Power Plants, Motors and Engines on the Farm

- 60275 ABRAMOV, A., and KAPLENKO, V. Stroboscopic power indicator for electric motor. (Rus) Tekh. Sel'skom Khoz. 3:36-38. Mar. 1966. 58.8 M11
- 60276 ARDE, T. The cost of power in farm labor. (It) Esso Agr. 15:12-13. Feb.1,1966. 58.8 Es7
- 60277 FATEEV, E. Energy of wind—to the service of agriculture. 19 p. Transl. 14376 No source of translation given.
- 60278 GAY, L. H. Parameter considerations in pump and motor ratings. Amer. Soc. Agr. Eng. Pap. 626,12 p. 1965. 290.9 Am32P

Sewage and Waste Disposal

- 60292 FROEHNER, H. The significance of sewage of agricultural processing plants especially in small communities. (Ge) Gesundheitswesen Desinfekt. 57(12):174-176. Dec.1965. 449.8 Z36P

Water Supply

- 60293 BADEA, I. The many-sided use of storage lakes of local interest. (Rum) Probl. Agr. [Bucharest] 17(6):79-86. June 1965. 21 R862 For farm use.

- 60294 BECKER, C. F., and COSTEL, G. L. Heating stock water by solar energy. Amer. Soc. Agr. Eng. Pap. 833,6 p. Ref. 1965. 290.9 Am32P
- 60295 BROWN, L. N. Small earth dams. Calif. Univ. Agr. Ext. Circ. 467,rev.,24 p. Dec.1965. 100 C12S
On the farm.
- 60296 CORNISH, B. A. Low cost spillway surfaces for farm dams. New S. Wales. Univ. Water Res. Lab. Rep. 77,22 p. Ref. Feb.1965. 292.8 N472
- 60297 CRANE, D. E. Nitrates in rural water supplies corrective equipment and procedures. Amer. Soc. Agr. Eng. Pap. 222,6 p. 1965. 290.9 Am32P
- 60298 GARVER, H. L., and ROCKEY, J. W. Plumbing for the home and farmstead. U. S. D. A. Farmers' Bull. 2213,20 p. Mar.1966. 1 Ag84F
- 60299 KRENUSZ, F. Geothermic installations in agriculture. (Hu) Magyar Mezogazdasag 21 (12):14-15. Mar.23,1966. 19 M27
Thermal springs utilization.
- 60300 LIGHTBODY, L. G. Bacteriological quality of some farm water supplies in Queensland. Queensland J. Agr. Anim. Sci. 22(3):329-333. Sept.1965. 23 Q37
- 60301 MARTIN, E. H. Getting a good domestic well. Amer. Soc. Agr. Eng. Pap. 218,5 p. 1965. 290.9 Am32P
- 60302 OWUSU, P. M. Bringing prosperity to the people of the plains—the Dawhenya Dam. Ghana Farmer 8(3):92-94. Aug.1964. 24 G564
Farm water supply.
- 60303 RAMMELL, C. G. Provision of a good water supply essential for efficient farming. New Zeal. J. Agr. 112(3):45,47. Mar.1966. 23 N48J
- 60304 WELCHERT, W. T., and MCDOUGAL, J. N. How to make a plastered concrete water-storage tank. Ariz. Univ. Ext. Bull. A-41,12 p. July 1965. 275,29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 60305 WOODING, N. H. Private water supply problems and treatment. J. Milk Food Technol. 29 (3):73-76. Mar.1966. 44.8 J824
Used on farm.

**AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS**

GENERAL

- 60306 BONO, P. Famine in India. (It) G. Agr. 76 (16):175. Apr.17,1966. 16 It1G
- 60307 BUFFA, A. Protein nutrition in developing areas. (Fr) Rev. Conserv. 21(1):47-85. Ref. Jan./Feb.1966. 389.8 R326
Population and food supply, protein structure, technology of cheap manufacture of protein foods, and protein-enriched foods.
- 60308 CHUNG HUONG. Five great years for food-stuffs industries. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 225:1-5. Feb.23, 1966. (JPRS 34,254; TT 66-30695) 173 J663Trn
Translation from Ky Thuat Cong Nghiep Nhe 12:1-2. Dec.1965.
Issued by CFSTI.
- 60309 CLARKE, J. W. The road to greater economic development. Grain Rev. 3(1):1-4. Jan.1965. 286.81 G767
Includes population and food supply.
- 60310 ELLEMANN, G., and JUL, M. Education in the field of food science and food technology. V. (Ge) Fleischwirtschaft 45(8):952-954. Aug. 1965. 280.38 F62
- 60311 ELLEMANN, G., and ROSKILDE, M. J. Education in the field of food science and food technology. II. (Ge) Fleischwirtschaft 45(4): 357-358. Apr.1965. 280.38 F62
United Kingdom and Canada.
- 60312 EUROPAISCHER KONGRESS DER FLEISCH-FORSCHUNGS-INSTITUTE, 2, BELGRADE, 1965. [Abstracts of papers]. (Ge) Fleischwirtschaft 46(1):59-61. Jan.1966. 280.38 F62
- 60313 FARKAS, J. Application of examination results in technological management. (Hu) Elelmezesi Ipar 20(2):48-51. Ref. Feb.1966. 290.9 M57
English summary.
Food.
- 60314 KELLY, I. The secret of success; why C&MS' [Consumer and Marketing Service] Food Stamp Program continues to gain participation and appreciation. Agr. Marketing [Washington] 11(3): 16. Mar.1966. A280.38 Ag8
- 60315 KOTTMAN, R. M. Will the population explosion mean an agricultural boom? Farm Technol. 21(3):12,68-69. Mar.1965. 275.28 N213
- 60316 MARTIN, R. A. Food prosecutions—a 10-year review of case law. Brit. Food J. 68(806):30-32. Mar.1966. 389.8 B77
In Great Britain.
- 60317 MARZI, G. DE. Review of herbaceous crops. (It) Prog. Agr. [Bologna] 9(2):187-204. Feb. 1965. 58.8 P94
Grain, fruit, forage, and industrial crops.
- 60318 MONTI, F. Will the world always be hungry? (It) Cam. Com. Milano 3(6):34-39. Nov./Dec. 1965. 280.9 M587R
- 60319 NAUMENKO, P. Improvements in the food industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 94:40-48. Sept.20,1965. (JPRS 32,076; TT 65-32569; CSO 1840-D) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 30:29-30. July 28,1965.
- 60320 OLOVYAGIN, R. Construction of new enterprises of the light and food industry. I. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:53-55. Oct.5,1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 34:19. Aug.25,1965.
- 60321 PANKOV, A. Construction of new enterprises of the light and food industry. II. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:56-58. Oct.5,1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 34:19. Aug.25,1965.
- 60322 PARKER, B. The world food crisis. Farm Quart. 21(2):52-55,109-110,112,115. Spring 1966. 6 F22995
Includes U. S. policies.
- 60323 PHILLIPS, R. W. Inter-relationships among population trends, land availabilities, and food supplies; paper contributed for the United Nations World Population Conference, Belgrade, Yugoslavia, 30 August to 10 September, 1965. Washington, U. S. D. A., 1965. 5 p. Ref. A281.9 P54
- 60324 RAMAIAH, V. Solving the food problem. Madras Inform. 20(3):7. Mar.1966. 280.8 M26
- 60325 RAMANATHAN, K. V. Self-sufficiency in food. Madras Inform. 20(3):16-19. Mar.1966. 280.8 M26
- 60326 SEALE-HAYNE AGRICULTURAL COLLEGE. Nutrition: the world's problem. Newton Abbot, Devon, 1965. 18 p. Ref.,p.17-18. (George Johnstone Lecture 1965) 335.9 Sel
Nutritional aspects, by Sir H. Hartley; Agricultural aspects, by T. Beresford.
- 60327 TELEGDY-KOVATS, L. Development and present status of food science. (Hu) Elelmezesi Ipar 20(2):33-38. Feb.1966. 290.9 M57
English summary.
- 60328 TING, C. Food crisis and why. Peking Rev. 9 (11):22-25. Mar.11,1966. 280.8 P36
India.
- 60329 TRAN VAN HIEN. Past experiences to benefit present work on food. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12: 75-85. Jan.20,1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from Hoc Tap 12:40-46. Dec. 1965.
Issued by CFSTI.
- 60330 UNITED NATIONS. Report on the World Food Program by the Executive Director. Rome, 1965. 99 p. (P/WFP: R1) HD9000.6.U5
Food and Agriculture Organization of the United Nations, cooperating.
- 60331 U. S. ARMY NATICK LABORATORIES. FOOD DIV. Food Division, U.S. Army Natick Laboratories, Natick, Massachusetts. Natick, Mass., 1965? 16 p. UC713.A2U5
- 60332 U. S. DEPT. OF AGRICULTURE. OILSEED, PEANUT AND SUGAR CROPS RESEARCH ADVISORY COMMITTEE. Report of the first meeting, Washington, D. C., January 27-30, 1964. Washington, U. S. Agr. Res. Serv., 1964. 17 p. A77.9 R313
- 60333 U. S. DEPT. OF AGRICULTURE. OILSEED, PEANUT AND SUGAR CROPS RESEARCH ADVISORY COMMITTEE. Report of the second meeting, New Orleans, Louisiana, January 18-21, 1965. Washington, 1965. 15 p. A77.9 R313

ANALYSIS AND COMPOSITION

- 60334 ACKERMANN, H., and WOGGON, H. Research on the possibilities of using test tubes in the residue analysis of systemic thiophosphoric acid esters of the Systox type. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(3):155-159. 1966. 384 Z39
- 60335 BOURNE, M. C. Measure of shear and compression components of puncture tests. J. Food Sci. 31(2):282-291. Mar./Apr.1966. 389.8 F7322
For food firmness.
- 60336 BOURNE, M. C., MOYER, J. C., and HAND, D. B. Measurement of food texture by a universal testing machine. Food Technol. 20(4): 170,171-174. Ref. Apr.1966. 389.8 F7398
- 60337 BUTTIAUX, R. Gram-positive bacteria in foods; interpretation of their presence from the point of view of health. (Fr) Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:453-459. Ref. 1962, pub.1965. TP368.I5

- 60338 CASOLARI, A., and GIANNONE, L. Heat-resistant spore-forming microorganisms and heat processing. (It) *Indus. Conserve* 41(1):3-6. Ref. Jan./Mar.1966. 389.8 In23
English summary.
Canned foods.
- 60339 CAYLE, T., and VIEBROCK, F. The application of Mathews' formula in enzymatic starch conversions. *Cereal Chem.* 43(2):237-244. Mar.1966. 59.8 C33
- 60340 CHEN, S. C., LEWIS, W. R., and YEARICK, E. S. The effect of surfactants on the growth of *Lactobacillus casei*. *W. Va. Acad. Sci. Proc.* 37:8. 1965, pub.1966. 500 W52
- 60341 CIEPLINSKI, E. W. Instrumental aspects of pesticide analysis by gas chromatography. In Mattick, L. R., and Szymanski, H.-A., ed. *Lectures on gas chromatography*, p.1-13. 1965. 387 M43
Chiefly insecticides in food.
- 60342 CRAWFORD, D. L., YU, T. C., and SINNHUBER, R. O. Reaction of malonaldehyde with glycine. *J. Agr. Food Chem.* 14(2):182-184. Ref. Mar./Apr.1966. 381 J8223
- 60343 DAVIS, J. G. The routine enumeration of pathogens in foods. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:587-598. Ref. 1962, pub.1965. TP368.I5
Cause for food poisoning in Great Britain.
- 60344 DITZ, E. Analytical problems in the food flavorings industry. (Fr) *France Parfums* 9(47):55-64. Mar.1966. 308.8 F84
English summary.
- 60345 EECKHAUT, R. G., SYSMANS, A., and WINTER, R. DE. Color substances in foods. (Fl) *Fermentatio* 3:149-163. (Cont.) 1965. 390.8 F38
Natural colorings.
- 60346 GEORGALA, D. L. Methods for isolating salmonellae from foods. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:615-628. Ref. 1962, pub.1965. TP368.I5
- 60347 GERSHMAN, M. The problem: Salmonella. *Maine Farm Res.* 13(4):1-4. Jan.1966. 100 M28Ma
Food, poultry products, and other sources.
- 60348 GIBBS, B. M., and FREAME, B. G. The isolation and enumeration of clostridia from foods. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:605-614. Ref. 1962, pub.1965. TP368.I5
- 60349 GUTSCHMIDT, Microorganisms and their influence on foods. (Ge) *Ernahr. Lehre Praxis* p.3. In *Ernahr.-Umschau* 11(7):. July 1964. 389.8 Er66
- 60350 HALDEN, W. Cholesterol, saturated fatty acids, and milk fat. (Ge) *Osterr. Milchwirt.* 20(11):197-198. June 7, 1965. 44.8 Os72
Includes cholesterol content of various foods.
- 60351 HARADA, T. A new method using test paper containing chromogenic substrates of hydrolases for the isolation and identification of microorganisms. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:629-634. 1962, pub.1965. TP368.I5
- 60352 HARTFIEL, W. The influence of various fat extraction processes on the results of subsequent investigations. (Ge) *Fleischwirtschaft* 45(4):339-342. Apr.1965. 280.38 F62
English summary.
- 60353 INTERNATIONAL CONGRESS OF FOOD SCIENCE AND TECHNOLOGY, 1, LONDON, 1962. Food science and technology; proceedings. Volume 2. Biological and microbiological aspects of foods, edited by J. M. Leitch. New York, Gordon, 1965. 646 p. Ref. TP368.I5
- 60354 KAO, C. T., and FRAZIER, W. C. Effect of lactic acid bacteria on growth of *Staphylococcus aureus*. *Appl. Microbiol.* 14(2):251-255. Ref. Mar.1966. 448.3 Ap5
Chiefly isolated from food.
- 60355 KIM, C. H. Substrate factors for growth and sporulation of *Clostridium perfringens* in selected foods and in simple systems. *Diss. Abs.* 26(3):1288-1289. Sept.1965. 241.8 M58
- 60356 KOBAYASI, N., and FUJIMAKI, M. On the formation of N-acetyl pyrrole on roasting hydroxyproline with carbonyl compounds. *Agr. Biol. Chem.* 29(11):1059-1060. Nov.1965. 385 Ag8B
Foods.
- 60357 KOHN, R., and LAUFER-HEYDENREICH, S. Use of infrared spectroscopy in food analysis. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(2):92-97. Ref. 1966. 384 Z39
Literature review.
- 60358 KONDRAT'EV, E. V., and KOSTINA, M. I. Method of analysis: of plant materials. 12 p. *Transl.* 15288
Hydrolysis for isolation of lignin.
Translation from *Zhurnal Prikladnoi Khimii* 24(8):870-875. 1951.
- 60359 KORMENDY, L. Evaluation of food examination. (Hu) *Elelmzési Ipar* 20(2):43-47. Feb.1966. 290.9 M57
English summary.
Statistical research method.
- 60360 LASZTITY, R. Some questions of general interest in modern food analysis. (Hu) *Elelmzési Ipar* 20(2):39-42. Feb.1966. 290.9 M57
English summary.
- 60361 LAU, S. C. Residue measurement: separation and measurement of 3-hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate (Bidrin insecticide) and 3-hydroxy-N-methyl-cis crotonamide dimethyl phosphate (Azodrin insecticide) residues in crops by selective cleanup (partition) procedures. *J. Agr. Food Chem.* 14(2):145-148. Mar./Apr.1966. 381 J8223
- 60362 MACY, R. L., and BAILEY, M. E. Modified method for rapid determination of individual mononucleotides. *Food Technol.* 20(3):114-115. Mar.1966. 389.8 F7398
Ion exchange chromatography.
- 60363 MATSYNA, L. I., and GEORGIEVSKAYA, N. A. On the problem of the infectivity of prepared food products and milk by pathogenic coliform bacteria. (Rus) In *Respublikanskaya Konferentsiya po Kishechnym Infektsiyam*. Materialy 1964:17-18.
Abstracted in *Ref. Zh. Biol.* 19(sect.B):48. Oct.1965. 241.7 R25
- 60364 MOHSENIN, N. N. Physical properties of agricultural products. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):25-29. Ref. 1965. 290.9 Am32T
With reference to mechanical processing and handling of food and agricultural products.
- 60365 MOSSEL, D. A. A. The significance of gram-negative rod-shaped bacteria in foods. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:461-472. Ref. 1962, pub.1965. TP368.I5
- 60366 MYRBACK, K. Concerning limit dextrins and starch. V. The fermentability of starch decomposition products. 10 p. Ref. *Transl.* 15853
Translation from *Biochemische Zeitschrift* 304:147. 1940.
- 60367 NARAHU, T., and others. Detection of organic tin compound in starch. (Ja) *Food Hyg. Soc. Jap. J.* 7(1):76-77. Feb.1966. 389.9 N57
J. Hayakawa, H. Takahshi, and Y. Ishida, joint authors.
- 60368 NAWAR, W. W. Some considerations in interpretation of direct headspace gas chromatographic analyses of food volatiles. *Food Technol.* 20(2):115-117. Ref. Feb.1966. 389.8 F7398
- 60369 NELSON, P. V., and BOODLEY, J. W. An error involved in the preparation of plant tissue for analysis. *Amer. Soc. Hort. Sci. Proc.* 86:712-716. June 1965. 81 So12

- 60370** NOMURA, D. Studies on the reductones. 9. The reaction of 1-deoxy-p-toluidine-D-fructose with Tillman's reagent. (Ja) Yamaguti. Univ. Fac. Agr. Bull. 15:531-540. Ref. 1964. 107.6 Y14
English summary.
In foods.
- 60371** PETRESCU, O., HOROVITZ, C. T., and HURDUC, N. The utilization of the "express" methods for the chemical analysis of the agricultural plants. (Rum) Probl. Agr. [Bucharest] 18 (3):52-67. Ref. Mar.1966. 21 R862
English summary.
Field crops.
- 60372** PURR, A. The course of chemical changes in the foodstuffs containing little water. I. (Ge) Fette, Seifen, Anstrichmittel 68(2):145-154. Ref. Feb.1966. 384 C422
English summary.
- 60373** RAZOUK, R. I., MOURAD, W. E., and NASHED, S. The adsorptive properties of carbonised agricultural wastes. II-III. J. Chem. United Arab Repub. 8(2):165-179,181-193. Ref. 1965. 385 Eg93
II, Adsorption of methanol, cyclohexane and benzene on carbonised corn cobs; III, Adsorption of methanol, cyclohexane and benzene on carbonised date pits.
- 60374** SADAMATSU, A., and others. Detection of food preservatives and dulcin by thin layer chromatography. (Ja) Food Hyg. Soc. Jap. J. 7(1):50-54. Feb.1966. 389.9 N57
T. Kina, T. Ariyoshi, and E. Takabatake, joint authors.
English summary.
- 60375** SALO, T., and SALMINEN, K. Thin layer chromatography of pesticides. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(3):149-153. Ref. 1966. 384 Z39
Insecticidal residues.
- 60376** SANCHEZ, E. Protein evaluation of foods: usefulness of blood plasma free amino acids determinations for the evaluation of food proteins as compared to the protein efficiency ratio and net protein utilization methods. Diss. Abs. 26(8):4594. Feb.1966. 241.8 M58
- 60377** SHARP, R. B. A simplified method for determining copper compounds present on leaf surfaces. Analyst 91(1080):212-213. Mar.1966. 382 An1
- 60378** SIMMONS, P. M. Measures color objectively. Food Eng. 38(4):52-53. Apr.1966. 389.8 F737
Food.
- 60379** SOKOLOVA, V. YU. Contents of minor elements in plant products and nutritional rations. (Rus) In Mikroelementy v zhivotnovodstve i med. 1965:51-56. (Not in NAL)
Cited in Ref. Zh. Biol. 21(sect.K):13. Nov. 1965. 241.7 R25
Feed.
- 60380** SPERLICH, H., and KOLLER, F. Determination of ethyl vanillin in p-hydroxybenzaldehyde. (Ge) Deut. Lebensmittel-Rundsch. 62(2):52. Feb.1966. 389.8 D482
In relation to food analysis.
- 60381** STRONG, D. M., SOUTHWORTH, J. M. L., and CANADA, J. C. The incidence of Clostridium perfringens in institutionally prepared foods. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:491-497. Ref. 1962, pub.1965. TP368.I5
- 60382** SYMPOSIUM ON LOW-CALORIE FOODS. [Proceedings]. Food Technol. 20(2):55-61. (Cont.) Ref. Feb.1966. 389.8 F7398
Contents: Hydrocolloids in dietetic foods, by A. Moirano; Gums in artificially sweetened foods, by M. Glicksman and E. Farkas.
- 60383** TEMPER, K. Importance and possible dangers of germ content of foods. (Ge) Fleischermeister 19(10):260-261. Oct.1965. 50.8 F622
- 60384** TEPLY, L. J. Recent advances in the field of nutrition; new foods rich in proteins. (Sp) Arch. Venezolanas Nutr. 14(2):111-128. 1964. 389.8 Ar22
- 60385** TERAMOTO, S., TAGUCHI, H., and UEDA, R. The organic acid constituents of Japanese fermented food products and some aspects of their methods of production and qualities. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:549-555. 1962, pub.1965. TP368.I5
- 60386** THALER H., and STURM, W. A sensitive method for direct photometric determination of small amounts of ammonium. (Ge) Deut. Lebensmittel-Rundsch. 62(2):35-40. Ref. Feb. 1966. 389.8 D482

CONSUMPTION AND UTILIZATION

- 60387** BERNITZ, A. Traditional foods still favored in Germany—though housewives are starting to use more processed products. Foreign Agr. Incl. Foreign Crops Markets 4(19):4-5. May 9,1966. A281.9 F76Fo
- 60388** BIVENS, G. E. The role of the consumer in our economy: consumer sovereignty revisited. N. C. State Univ. Agr. Policy Inst. Ser. 18:1-9. Jan.1966. 281.9 N8122
- 60389** CLAGUE, E. Changing consumption patterns. N. C. State Univ. Agr. Policy Inst. Ser. 18:11-20. Jan.1966. 281.9 N8122
- 60390** CONFERENCE ON CONSUMER DECISIONS: PROBLEMS AND POLICIES, RALEIGH, N. C., 1965. [Papers]. N. C. State Univ. Agr. Policy Inst. Ser.18,93 p. Ref., p.33-34. Jan.1966. 281.9 N8122
- 60391** CONTOUR, S. French chemurgic achievements. Chemurg. Dig. 23(8):3-6. Nov./Dec.1965. 381 N213Na
- 60392** COOK, G., and MARTIN, S. Five consumer surveys of frozen products. Quick Frozen Foods 28(3):161-184. Oct.1965. 389.8 Q4
- 60393** GRADY, J. C. Food consumption patterns. Fed. Reserve Bank Dallas. Bus. Rev., Apr. 1966:3-7. 284.8 F31D
- 60394** HANSEN, V. What the educator can do to help the consumer help himself. N. C. State Univ. Agr. Policy Inst. Ser. 18:87-93. Ref. Jan. 1966. 281.9 N8122
- 60395** KEMP, G. Sales rise to \$226 million; new products, level prices contribute to growth. Quick Frozen Foods 28(3):449-452. Oct.1965. 389.8 Q4
In Great Britain.
- 60396** LEE, S. M. How informed are consumers? Information sources, uses, needs. N. C. State Univ. Agr. Policy Inst. Ser. 18:21-34. Jan. 1966. 281.9 N8122
Bibliography, p.21-34.
- 60397** MUKHITDINOV, N. The noble duty of rural trade workers. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93: 58-61. Sept.7,1965. (JPRS 31,833; TT 65-32377; CSO 1840-S) 173 J663Tro
Food consumption.
Translation from Sovetskaya Torgovlya July 3,1965:2.
- 60398** MURDIE, R. A. Cultural differences in consumer travel. Econ. Geogr. 41(3):211-233, map. Ref. July 1965. 278.8 Ec7
Travel for purchasing, illustrated by a Canadian rural area.
- 60399** OREGON, STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. Don't be "taken in." Questions and answers about Oregon's new consumer protection law. Oreg. State Univ. Ext. Ext. Circ. 730,8 p.-folder. Mar.1966. 275.29 Or32C
- 60400** SMITH, M. D. What business can do to better inform and protect the consumer. N. C. State Univ. Agr. Policy Inst. Ser. 18:79-85. Jan. 1966. 281.9 N8122
- 60401** STERN, J. K. The importance of chemurgy to farmer cooperatives. Chemurg. Dig. 23(7):3-4. Sept./Oct.1965. 381 N213Na

- 60402 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Industrial uses of proteins; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-28-3, 2 p. Feb. 1966. A381 R31Ac

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 60403 ASSOCIATION OF AMERICAN RAILROADS. CAR SERV. DIV. Cars of revenue freight loaded 1965-1951. Washington, D.C., 1966. 10 p. 289.2 As722
Grain, livestock, and forest products statistics included.
- 60404 BAILEY, F. Farmers battle for more bargaining power. Banking 58(9):76-77. Mar. 1966. 284.8 Am3
- 60405 BEESTON, N. Agriculture adjusts to change. II. Agr. Merchant 46(4):58-60, 65. Apr. 1966. 10 Ag89
New trends in marketing in Great Britain.
- 60406 BREIMYER, H. F. The consumer and market structure. N. C. State Univ. Agr. Policy Inst. Ser. 18:55-65. Jan. 1966. 281.9 N8122
- 60407 BRIOTTA, L. DELLA. The problem of country roads, of fundamental importance for our agriculture, must be faced with clarity of ideas and without losing view of reality. (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna 19(1):3-8. Jan. 1966. 287 So5
- 60408 BROKKEN, R. F. Interregional competition in livestock and crop production in the United States: an application of spatial linear programming. Diss. Abs. 26(9):5082-5083. Mar. 1966. 241.8 M58
- 60409 BURNS, D. J., and PERKINS, F. A. Research & extension programs in agricultural marketing. N. J. Agr. 47(6):3-15. Nov./Dec. 1965. 275.28 N46
Especially food marketing.
- 60410 CARPENTER, E. M. Agricultural marketing. Agr. Merchant 45(8):58-59, 61. Aug. 1965. 10 Ag89
Great Britain.
- 60411 COHEN, S. E. Advertising--and the consumer. N. C. State Univ. Agr. Policy Inst. Ser. 18:35-54. Jan. 1966. 281.9 N8122
- 60412 CONSEJO DE BIENESTAR RURAL. Long term forecasts of the supply and demand of agricultural and livestock products in Venezuela. Caracas, 1965. 302 p., map. HD1912.C6
In accordance with Contract No. 12-17-0017-49, published for the U. S. Department of Agriculture Economic Research Service by the Israel Program for Scientific Translations.
- 60413 DEWOLFE, M. R. Air shipment of perishables growing. Agr. Situation [Washington] 50(4):5. Apr. 1966. 1 Ec7Ag
- 60414 DIEDERICH, E. H. Problems and goals of international cooperation of purchasing cooperatives of the food retail trade. (Ge) Z. Gesamte Genossenschaftswesen 15(3):204-224. Third Q. 1965. 286.8 Z3
English summary.
- 60415 DOUGHERTY, J. R. Current problems in food and drug advertising. Food Drug Cosmet. Law J. 21(3):161-167. Mar. 1966. 389.58 F732
- 60416 D'YAKOV, V. New emphasis on urban and rural trade. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 96:1-14. Nov. 12, 1965. (JPRS 32,824; TT-65-33402) 173 J663Tro
Translation from Sovetskaya Torgovlya 9:1-6. Sept. 1965.
- 60417 EDENS, W. J. How South Africa markets its agricultural products. Foreign Agr. Incl. Foreign Crops Markets 2(41):7-8. Oct. 12, 1964. A281.9 F76Fo
- 60418 ELSE, P. K. The incidence of advertising in manufacturing industries. Oxford Econ. Pap. (n.s.) 18(1):88-110. Mar. 1966. 280.8 Ox2
Includes agricultural products.
- 60419 FARMERS MARKETING BOARD. Annual report, 1964. Limbe, Malawi, 1964. 27 p. HD9017.M3F3
- 60420 FLACH, A. J. Rural traffic on roads in grassland areas in the Netherlands. (Du) Landbouwkundig Tijdschr. 76(20):943-957. Nov. 1964. 105.2 Or3
English summary.
- 60421 FRANCE. DIRECTION DE LA DOCUMENTATION. La commercialisation des produits alimentaires en France [Marketing of food products in France]. France. Dir. Doc. Notes Etudes Doc. 3268, 33 p. Ref. Feb. 28, 1966. 280.9 F843
- 60422 FRANKLIN, H. L. The 1965 retail frozen food marketing guide. Quick Frozen Foods 28(3):198-209, 211-218, map. Oct. 1965. 389.8 Q4
- 60423 FREEMAN, R. E., and VAN HORN, E. E. Agricultural marketing, vital link between farmer and consumer. U. S. D. A. Marketing Bull. 36, rev., 26 p. Mar. 1966. A280.39 Ag8M
- 60424 FRINK, J. C. Japan's supermarkets getting bigger and better. Foreign Agr. Incl. Foreign Crops Markets 4(16):6-7. Apr. 18, 1966. A281.9 F76Fo
- 60425 GAVRILOV, V. Improve the practice of state procurements. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:16-18. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Sales of agricultural products.
Translation from Ekonomicheskaya Gazeta 12:31. Mar. 24, 1965.
- 60426 GREENE, J. Food for thought? Wall Street may be too down-at-the-mouth over supermarkets. Barron's 46(15):11-12, 14. Apr. 11, 1966. 284.8 B27
- 60427 HILL, L. D. Agricultural market planning in resource development. Ill. Univ. Coll. Agr. Spec. Publ. 9, 119 p. Dec. 1965. 276 IL623
Bibliography, p. 98-117.
- 60428 JOHNSON, V. How much time is required to establish results on a new frozen retail item? Quick Frozen Foods 28(3):323-325. Oct. 1965. 389.8 Q4
- 60429 KEFFORD, J. F. Causes and prevention of water damage to canned food cargoes. Australian Food Manufacture Distributor 35(7):42-44. Feb. 10, 1966. 389.8 Au7
- 60430 KULKARNI, N. S. The role of co-operatives in the marketing of agricultural produce--a neglected aspect. Maharashtra Co-op. Quart. 49(3):217-221. Jan. 1966. 280.28 B63
India.
- 60431 LANDSBERG, H. H. Aircraft for the transportation of agricultural products. (It) G. Agr. 76(15):166. Apr. 10, 1966. 16 It1G
In the United States.
- 60432 LODI, H. S. K. Preharvest sales of agricultural produce in Iran. Karachi Com. 17(39):7-8. Oct. 16, 1965. 280.8 K14
- 60433 MCKINNEY, R. D., and DAWES, S. Changes in a south-central Kansas trade area 1937-1960. Kans. Agr. Exp. Sta. Tech. Bull. 143, 26 p. Nov. 1965. 100 K13S
Trade areas, and trade centers in small towns.
- 60434 MEYERS, T. Food goes to market. J. Home Econ. 58(5):337-341. May 1966. 321.8 J82
- 60435 MIKLIUS, W. Some characteristics of nonregulated for-hire truck transportation of agricultural commodities. Land Econ. 42(2):226-230. Ref. May 1966. 282.8 J82
- 60436 MORKEK, P. R. The need for market research in agriculture. (Excerpts.) Agrekon 5(1):19-22. Jan. 1966. 281.8 Ag835
South Africa.
- 60437 MORRIS, C. J. S. Development of marine cargo operations. Australian Food Manufacture Distributor 35(7):58, 60, 62, 64. Feb. 10, 1966. 389.8 Au7
Handling of food cargoes.

- 60438 PAOLA, G. DL. The parameters influencing the energy requirements in agricultural transportation. (It) Agr. Italia 11(6):29-47. June 1965. 16 Ag8232
- 60439 PAVASKAR, M. G. Does futures trading aggravate price trends? Forward Markets Bull. 8(1):29-32. Oct./Dec.1965. 286.28 F77 India.
- 60440 PLATE, R. Cyclic supply and price contractions in agricultural products. (Ge) Hohenheim. Landwirt. Hochsch. Reden Abhandl. 18: 26-46. 1964. 105.8 H683R
- 60441 QUICK FROZEN FOODS. "Programming" frozen food selection into an IBM billing calculator. Quick Frozen Foods 28(3):316,318. Oct. 1965. 389.8 Q4
- 60442 QUICK FROZEN FOODS. Refrigerated truck lines equipped to handle frozen food shipments. Quick Frozen Foods 28(3):483-488,490,492-500. Oct.1965. 389.8 Q4 Directories.
- 60443 RAUCH, E. Modern marketing. (Ge) Grune 94(10/3):319-330. Mar.11,1966. 17 Sch9 Includes vertical integration, farmer organizations, and cooperatives.
- 60444 ŠMELYANSKIY, I. Wholesale trading in food-stuffs. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:35-37. Oct.5,1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro Translation from Ekonomicheskaya Gazeta 44:31. Aug.18,1965.
- 60445 SMITH, S. R. How the United States Government helps its people: Agricultural Marketing Service. (Sp) Tierra [Mexico] 20(6):454-455, 499. June 1965. 8 T445
- 60446 STASSART, J. Agricultural surpluses. (Fr) Ann. Gembloux 71(3):245-250. Third Q.1965. 13 G28 Disposal.
- 60447 TANTZEN, J. Producer societies—who and where? (Ge) Mitt. Deut. Landwirt.-Ges. 81 (11):472-474. Mar.17,1966. 18 N39 For marketing, especially of livestock.
- 60448 TOLEDANO CORROCHANO, J. A problem of development; internal trade; a contribution to its study: enquiry on food wholesalers. (Sp) Rev. Sindical Estad. 20(79):47-67. 1965. 263 Es8B
- 60449 U. S. CORPS OF ENGINEERS. Waterborne commerce of the United States, calendar year 1964; domestic inland traffic areas of origin and destination of principal commodities; supplement 1 to part 5, National summaries. Washington, D. C., 1966. 56 p. 152.25 W29
- 60450 U. S. DEPT. OF AGRICULTURE. Orderly liquidation of stocks of agricultural commodities held by the Commodity Credit Corporation and the expansion of markets for surplus agricultural commodities; an annual report by the Secretary of Agriculture in response to Section 201(b), Public Law 540, 84th Congress. Washington, 1966. 79 p. A284.39 Ag8
- 60451 VERSLUYS, J. D. N. Evidences of the change from barter to money economy in West Sumba (Indonesia). (Ge) Z. Ausländische Landwirt. 4(3):278-300. Aug.1965. 281.8 Z32 English summary.
- 60452 WEST CUMBERLAND FARMERS TRADING SOCIETY. Annual report and accounts for 1965. Whitehaven, 1966. 6 p. 280.29 W522R
- 60453 ZWINGER, H. To cure or endure—some thoughts for 1966. Australian Food Manufacture Distributor 35(7):54,56. Feb.10,1966. 389.8 Au7 Consumers attitudes and retail marketing in food industry.
- 60455 AMBANELLI, G. Quality grades and their control in the United States. (It) Indus. Conserve 40(4):287-294. Oct./Dec.1965. 389.8 In23 English summary, p.3 of supplement. Food.
- 60456 BAUGH, J. F. Strive for better, not cheaper, frozen products. Quick Frozen Foods 28(3): 100. Oct.1965. 389.8 Q4
- 60457 BECK, E. W., and others. Dimethoate residues on soybean, corn, and grass forage. J. Econ. Entomol. 59(1):78-82. Feb.1966. 421 J822 L. H. Dawsey, D. W. Woodham, and D. B. Leuck, joint authors.
- 60458 BEIDLER, L. M. A physiological basis of taste sensation. J. Food Sci. 31(2):275-281. Ref. Mar./Apr.1966. 389.8 F7322
- 60459 BOLLING, H. Evaluation of quality wheats. (Ge) Muhle 102(32):611-612. Aug.12,1965. 298.8 M89
- 60460 BRINK, R. Quality of tropical foods, a multidisciplinary evaluation. (Du) Landbouwkundig Tijdschr. 77(16):577-578. Sept.1965. 105.2 Or3
- 60461 BRO-RASMUSSEN, F. Pesticides in food. (Da) Konserver Dybfrost 24(3):28-33. 1966. 389.8 K835
- 60462 BURDITT, G. M. Uniformity—a legislator's viewpoint. Food Drug Cosmet. Law J. 21(3): 145-153. Mar.1966. 389.58 F732 Food and pesticide regulations in Illinois.
- 60463 CIUSA, W. Additives. (It) Molini Ital. 16(2): 52-58. Feb.1965. 298.8 M73 For food in relation to the Codex Alimentarius.
- 60464 CLEMEDSON, C. J. Our synthetic environment as a health problem. (Sw) Svensk Veterinartidn. 17(16):486-496,505-507. Ref. Aug.1965. 41.9 Sv23 Includes contamination of food through economic poison residues.
- 60465 DAVIES, J. H. V. The future of the Codex Alimentarius Commission. Food Drug Cosmet. Law J. 21(4):201-204. Apr.1966. 389.58 F732
- 60466 DAVIS, M. S. UK regulations on trace elements in foods. Food Trade Rev. 36(3):53-56. Mar. 1966. 389.8 F7334 Includes legislation.
- 60467 DEPEW, F. M. Report of the third session of the joint FAO/WHO Codex Alimentarius Commission. Food Drug Cosmet. Law J. 21(3):168-178. Mar.1966. 389.58 F732 International food standards.
- 60468 DUBROVINA, Z. V., and BELOVA, O. M. Changes in the strontium-90 content of food products after cooking. 5 p. (JPRS 24,139; OTS 64-31050) Transl. 14080 Translation from Gigiena i Sanitariya 2:40-43. Feb.1964. CFSTI: \$.50.
- 60469 FINZI, M. Summer dietetics and food poisoning. (It) Tec. Molitoria 16(14):102-104. July 30,1965. 298.8 Se42
- 60470 FOOD IN CANADA. Encyclopedia of food chemicals. Food. Can. 26(4):51-74. Apr.1966. 389.8 F7323 Food additive regulations.
- 60471 FORSCHBACH, E. Intelligent buyers—happy customers; thoughts on the food law reform. (Ge) Ernähr.-Umsch. 13(2):31-33. Feb.1966. 389.8 Er66
- 60472 GOLDBLITH, S. A. The wholesomeness of irradiated foods: past history, present status, international aspects, and future outlook. Food Technol. 20(2):93-98. Ref. Feb.1966. 389.8 F7398
- 60473 GOULD, W. A. Food research and the food laws. Food Drug Cosmet. Law J. 21(4):191-200. Ref. Apr.1966. 389.58 F732
- 60474 HAYS, H. Chemicals and foods. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 13(1):1-4. 1966. 275.249 F26 Canada.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 60454 ALBERTARIO, P. Great problems in production: quality decline? (It) G. Agr. 76(9):92. Feb.27,1966. 16 It1G

- 60475 HEESTERMAN, J. E. Quality of tropical foods. (Du) Landbouwkundig Tijdschr. 77(16):579-588. Sept.1965. 105.2 Or3
- 60476 HURST, K. Authority of the regulation officials and veterinarians in food inspection in the area of the German Federal Railroad, with especial reference to the DSG [German Sleeping Car and Food Car Society, Deutsche Schlafwagen- und Speiswagengesellschaft m.b.H.]. (Ge) Schlacht- Viehhof-Zeitung 65(5):192-193,195-197. May 1965. 286.85 D48
- 60477 KAWABATA, T. On the wholesomeness of irradiated food. (Ja) Food Hyg. Soc. Jap. J. 7 (1):1-10. Ref. Feb.1966. 389.9 N57
- 60478 KENDALL, D. A., and NEILSON, A. J. Sensory and chromatographic analysis of mixtures formulated from pure odorants. J. Food Sci. 31(2):268-274. Mar./Apr.1966. 389.8 F7322
- 60479 KISTNER, G. The appearance of activation products from neutron explosions in food (manganese-54). (Ge) Atompraxis 12(1):59-60. Ref. Jan.1966. 334.8 At73
English summary, p.10.
- 60480 KOVATS, L. T., and TORLEY, D. Observations on the foreign matter content of foods. (Ge) L E (Lebensmittel Ernähr.) 18(6):4-6,8. June 1965. 389.8 Z34
- 60481 LITTLEFIELD, J. L. Uniformity of food laws and regulation—today and tomorrow. Ass. Food Drug Offic. U. S. Quart. Bull. 29(3):101-109. July 1965. 389.9 As7Q
Role of Food and Drug Administration.
- 60482 LUH, B. S., and others. Evaluation of the quality of Venezuelan canned foods. (Sp) Arch. Venezolanos Nutr. 14(2):151-166. Ref. 1964. 389.8 Ar22
C. O. Chichester, W. Gudel, and R. Perez, joint authors.
English summary.
- 60483 LYNT, R. K. Survival and recovery of enterovirus from foods. Appl. Microbiol. 14(2):218-222. Ref. Mar.1966. 448.3 Ap5
- 60484 MOLLENHAUER, H. P. Professional committee for dietetic foods set up in the Codex Alimentarius. (Ge) Ernähr.-Umsch. 13(2):38-40. Feb.1966. 389.8 Er66
- 60485 MORSE, R. L. D. The consumer and the produce—quality, packaging and pricing. N. C. State Univ. Agr. Policy Inst. Ser. 18:67-78. Jan.1966. 281.9 N8122
- 60486 MUGERA, G. M. Cycad toxicosis and related carcinogenesis in animals. Diss. Abs. 26(8):4589. Feb.1966. 241.8 M58
Cycas circinalis as food and feed; tested on domestic animals.
- 60487 NATIONAL CONFERENCE ON WEIGHTS AND MEASURES, 50, WASHINGTON, D. C., 1965. Report. U. S. Nat. Bur. Stand. Misc. Publ. 272,231, map. 1966. 157.88 M68
- 60488 NIESSEN, H. Toxicological, legal, and analytical problems of plant protection. (Ge) Pharm. Zeitung 111(6):201-206. Ref. Feb.10, 1966. 396.8 P496
Residues in food.
- 60489 OSMAN, A. E., and HOFNER, W. The formation of essential apple flavor components. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(3):139-143. 1966. 384 Z39
- 60490 OSTI, A. L. A still unregulated law: No. 283 on sanitary regulation of production and sale of foods and beverages. (It) Minerva Dietol. 5(3):99-115. July/Sept.1965. 389.8 M66
- 60491 PYKE, M. Food labels. Meat Indus. Res. Inst. Tech. Dig. 7(2):9-10. Apr.1965. 50.9 M462T
- 60492 ROCHA, I. J. DA. Standardization; what it is and what it can give to agriculture. (Por) Gaz. Agr. [Lourenco Marques] 17(195):240-247. Aug.1965. 24 G25
- 60493 ROUND-TURNER, C. Colour sorting—a new approach. Food Trade Rev. 36(3):68-69. Mar.1966. 389.8 F7334
Photoelectric cells used for inspection.
- 60494 SCHARNER, E. Possible errors and error sources in organoleptic examinations. (Ge) Monatsh. Veterinarmed. 21(2):69-72. Jan.15, 1966. 41.8 M742
English summary.
Food flavor and odor.
- 60495 SHELAR, V. M. Sales on the basis of grades in Sholapur. Agr. Marketing [Nagpur] 8(2):21-25. July 1965. 280.38 Ag84
Agricultural products.
- 60496 THOMAE, E. The provisions for carrying out the Food Law in the DDR. (Ge) Deut. Lebensmittel-Rundsch. 62(3):85-88. Ref. Mar.1966. 389.8 D482
- 60497 TONGE, R. J. Microbial spoilage of food. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:458-469. Ref. 1964. 382 M31R
Literature review.
- 60498 TOWNSEND, C. T. Spoilage in canned foods. J. Milk Food Technol. 29(3):91-94. Mar.1966. 44.8 J824
- 60499 UTSEY, L. How industry views inspections by regulatory departments—federal, state and local. Ass. Food Drug Offic. U. S. Quart. Bull. 29(3):97-101. July 1965. 389.9 As7Q
- 60500 VENTURA, S. The Common Market and the harmonization of laws on processed foods. (Du) Conserva 14(10):230-232. Apr.1966. 389.8 C7632
French summary.
- 60501 VENZANO, A. Quality of raw material for primary processing. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:42-46. Oct.1965. 9 Id3
Sorghum, sugar beets, and corn and industrial fermentation.
- 60502 WANDEL, M., and TENGLER, H. Methods for the determination of the transfer of plasticizers from plastics to food. (Ge) Deut. Lebensmittel-Rundsch. 62(2):40-42. Feb.1966. 389.8 D482

PACKING AND PACKAGING

- 60503 BARBIERI, G., and ROSSO, S. Aluminum cans for canned foods. (It) Indus. Conserve 40(4):314-315. Oct./Dec.1965. 389.8 In23
English summary, p.3 of supplement.
- 60504 BARBIERI, G., and others. Solders with varying lead content. (It) Indus. Conserve 40(4):295-300. Ref. Oct./Dec.1965. 389.8 In23
G. Bellucci, G. Lazzarotti, D. Marchesini, G. Milanese, and S. Rosso, joint authors.
English summary, p.3 of supplement.
For food cans.
- 60505 BUCK, J. Oriented polypropylene for food packaging. Food Process. Marketing [London] 35(414):98-102. Mar.1966. 389.8 F738
- 60506 BURVANT, R. Factors affecting packaging in future. Food Eng. 38(3):46-47. Mar.1966. 389.8 F737
Promote food marketing.
- 60507 CLAYTON, J. E., and BREAKIRON, P. L. Containerization—off the ground and onto the ship. Foreign Agr. Incl. Foreign Crops Markets 4(18):3-6. May 2,1966. A281.9 F76Fo
- 60508 DICKENS, R. L. Packaging for European outlets is country-by-country job. Food Process./Marketing [Chicago] 27(4):62-64. Apr. 1966. 389.8 F7325
- 60509 DICKSON, R. R. New pilferproof closure for vacuum-sealed foods. Food Can. 26(4):44. Apr.1966. 389.8 F7323
- 60510 FORTE, W. E. Food and Drug Administration, Federal Trade Commission and the deceptive packaging of foods. Food Drug Cosmet. Law J. 21(4):205-225. Apr.1966. 389.58 F732
- 60511 GAUSSEL, A. The dating of canned foods. (Fr) Cah. Ingen. Agron. 197:31-32. June/July 1965. 14 C112

- 60512 HANNIGAN, K. J. Today's packages combine beauty and function. Food Eng. 38(3):41-45. Mar.1966. 389.8 F737
Chiefly materials.
- 60513 HARMUTH, J. T. Where semi-automation pays. Food Eng. 38(4):68,70. Apr.1966. 389.8 F737
Food packaging.
- 60514 HAWKINS, R. F. New coatings improve packaging of frozen convenience foods. Pap. Trade J. 150(16):54-55. Apr.18,1966. 302.8 P196
- 60515 HUGGAN, B. How PVC is affecting Canada's food industry—and vice-versa. Food Can. 26(3):35-37. Mar.1966. 389.8 F7323
- 60516 LEES, J. R. Packaging in plastics—how much can you do? Food Eng. 38(3):80,83. Mar.1966. 389.8 F737
In food.
- 60517 MILLER, P. G., and RHYU, H. Y. Packaging nomograph relating volume, weight, and product density. Food Technol. 20(3):105-108. Ref. Mar.1966. 389.8 F7398
- 60518 POPHAM, C. F. Packaging: the view from the United Kingdom and Europe. Pulp Pap. Mag. Can. 67(3):87-90. Mar.1966. 302.8 P96
Includes frozen food.
- 60519 SNYDER, J. C., and SWACKHAMER, G. L. Keep inventories low. Food Eng. 38(3):104, 107-108. Mar.1966. 389.8 F737
In food industry.
Food containers.
- 60520 VALENZUELA S., G. Packing materials. (Sp) Inst. Invest. Tecnol. Rev. 7(33):17-20. Jan./Feb.1965. 241.4 In73

PRICES, PRICE CONTROL, AND RATIONING

- 60521 DORGE, F. W. Disappearance of money value through farmer shrewdness? (Ge) Wirt-schaftsdienst 46(3):125-127. Mar.1966. 280.8 W74
Price stabilization policies.
- 60522 HUNGARY, KOZPONTI STATISZTIKAI HIVA-TAL. A magyar mezogazdasag arhelyzete az utolso evszazadban (1867-1963) [Price situa-tion of Hungarian agriculture in the last cen-tury (1867-1963)]. Budapest, 1965. 71 p. (Its Statisztikai Idoszaki Kozlemenye, v.73, No.6) HB233.A3H8
- 60523 LEROHL, M. L. Expected prices for U.S. agricultural commodities, 1917-62. Diss. Abs. 26(8):4294. Feb.1966. 241.8 M58
- 60524 MANAUT, M. R. V. The files of food industry in the hour of new government preoccupations. (Fr) Rev. Conserv. 20(9):40-41. Dec.1965. 389.8 R326
Food prices in France.
- 60525 MAZEL, L. Trade discounts and profitable-ness. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93:34-41. Sept.7,1965. (JPRS 31,883; TT 65-32377; CSO 1840-S) 173 J663Tro
Prices of agricultural products.
Translation from Sovetskaya Torgovlya 7:6-10. June 1965.
- 60526 OSBORN, J. E. An economic analysis of se-lected price prediction models. Diss. Abs. 26(3):1392. Sept.1965. 241.8 M58
Agricultural products.
- 60527 SAXON, E. A., and BRIANT, I. L. Agriculture in the United States of America. Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ. 19(1): 42-51. Jan.1966. 281.9 Au73
Government measures to support prices.
- 60528 SOKOLOV, M. M., ed. Tseny i tsenoobrazova-nie na sel'skokhozyaistvennye produkty [Prices and the price formation for the agricultural products]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1966. 164 p. HD9015.U4S6

- 60529 ZANCO, R., and others. Price movements in England from 1545 to 1605. (It) Gior. Econ. 24(11/12):1106-1136. Ref. Nov./Dec.1965. 280.8 G43
P. Caldarelli, A. Betti, F. Pedrini, and T. Meroni, joint authors.
- 60530 ZÖJA, G., and others. Price movements in England from 1500 to 1550. (It) Gior. Econ. 24(11/12):1082-1105. Ref. Nov./Dec.1965. 280.8 G43
R. Zanco, E. Fumagalli, and M. Cifarelli, joint authors.

PROCESSING AND STORAGE

- 60531 AALBERSBERG, W. I., and WYBINGA, S. J. Pasteurization and sterilization of foods in flexible packages. (Du) Conserva 14(10):240-242. Apr.1966. 389.8 C7632
French summary.
- 60532 AKINRELE, I. A. The water relations of some processed Nigerian foods, May 1965. Nigeria. Fed. Inst. Indus. Res. Res. Rep. 33,10 p. May 1965. 297.9 Os4
- 60533 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZA-TION. DIV. OF FOOD PRESERVATION. Annu-al report—1962-1964. Food Technol. Australia 18(2):68-69,71. (Cont.) Feb.1966. 389.8 F7333
- 60534 BEDNARSKI, S. Important tasks of the agricul-tural food processing industry in 1966-1970 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:12-18. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from Nowe Rolnictwo 3:14-16. Feb.1966.
Issued by CFSTI.
- 60535 BIRD, K. Freeze-drying revisited. Amer. Soc. Agr. Eng. Pap. 852A, 14 p. Ref. 1965. 290.9 Am32P
- 60536 BLAND, H. E. Developments in design and manufacture of hardware to meet process-drying requirements; an application engineer-ing checklist. Amer. Soc. Agr. Eng. Pap. 852, rev., 9 p. 1965. 290.9 Am32P
Food industry.
- 60537 BRISCOE, N. A., BAKER, A. J., and LONG, B. F. Locker plants services and home freez-er use. Okla. Curr. Farm Econ. 39(1):15-23. Mar.1966. 100 Ok4
- 60538 BRYAN, J. Fluidised freezers. Food Trade Rev. 36(3):48-50. Mar.1966. 389.8 F7334
Equipment.
- 60539 BULDINI, F. Modern plants for the drying of agricultural products. (It) Genio Rurale 29(2):159-164. Feb.1966. 281.8 R522
- 60540 BUNDER, R. Cooking technique and deep freezing change community food supplying. (Ge) Kalte 18(8):428-429. Aug.1965. 295.8 K122
- 60541 BUNDER, R. Nutrition and supplying of the industrial community with quick-frozen pre-pared foods. (Ge) Kalte 19(2):63-64,66. Feb. 1966. 295.8 K122
- 60542 BURR, H. K., BROWN, M. S., and ROBE, K. How fast must freezing be to get better quality? Food Process./Marketing [Chicago] 27(4):116, 118. Apr.1966. 389.8 F7335
- 60543 CANADA, BUR. OF STATISTICS. Miscellane-ous food industries 1963. Ottawa, 1966. 21 p. (Annual Census of Manufacturers) 253 C335Mis
- 60544 CHESNAIE, G. Domestic freezing on the farm is on progress. (Fr) Agriculture [Paris] 29(286):86. Feb.1966. 14 Ag823
In France.
- 60545 CLARK, H. B. Relating automatic refrigerated storage doors to the warehouse material han-dling system. Quick Frozen Foods 28(3):474, 476,480. Oct.1965. 389.8 Q4
- 60546 CULTRERA, R. Definition of processed and semi-processed. (It) Indus. Conserve 41(1): 33-34. Jan./Mar.1966. 389.8 In23

- 60547 CURGENVEN, A. C. Air blast freezing. Food Trade Rev. 36(3):45-46. Mar.1966. 389.8 F7334
- 60548 DAVIDGE, H. Liquid nitrogen for food freezing. Food Trade Rev. 36(3):50-51. Mar.1966. 389.8 F7334
- 60549 DODDS, J. E. Legislation impact, consumer education, association, achievements. Quick Frozen Foods 28(3):99. Oct.1965. 389.8 Q4 National Association of Frozen Food Packers.
- 60550 EMBLIK, E. The calculation of the temperature field in a quad and the application on frozen food. (Ge) Kaltetechnik 18(3):105-109. Ref. Mar.1966. 295.8 K123 English summary.
- 60551 FARRALL, A. W. Engineering for the food industry, definition and discussion. Amer. Soc. Agr. Eng. Pap. 825,1 p. 1965. 290.9 Am32P
- 60552 FEUERSENGER, M. Vermin eradication in food factories and food stores. (Ge) Fleischwirtschaft 45(4):318-320,323. Ref. Apr.1965. 280.38 F62 English summary.
- 60553 FREIXO, J. The preservation of foods by cold. (Por) Conserv. Peixe 20(239):23. (Cont.) Feb. 1966. 389.8 C7692 Freezing.
- 60554 FREIXO, J. Preservation of foods by cold. (Por) Conserv. Peixe 20(240):31. (Cont.) Mar.1966. 389.8 C7692 Freezing.
- 60555 GAL, I. Effect of antibiotics on our foods from the industrial point of view. (Hu) Elemezesi Ipar 20(1):7-13. Ref. Jan.1966. 290.9 M57 English summary.
- 60556 GILL, J. N. Improvement in the environment through better regulation. J. Milk Food Technol. 29(3):69-72. Mar.1966. 44.8 J824 Food sanitation and policies.
- 60557 GOLDBLITH, S. A. Radiation preservation of foods—present status and future outlook. Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.], 5th Symp.:263-264. 1964, pub.1965. 173 At7P1
- 60558 GOULD, G. W. Effect of some food preservatives on the development of bacilli from spores. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:247-252. Ref. 1962, pub.1965. TP368.I5
- 60559 GRYLLUS, MRS. V., and MAGYAR, MRS. K. Application of ion-exchangers in the Hungarian food industries. III. Technologies with ion-exchangers. (Hu) Elemezesi Ipar 20(3):80-85. Mar.1966. 290.9 M57 English summary.
- 60560 GUTSCHMIDT, J. The preservation of foods through cold storage. (Ge) Ernähr. Lehre Praxis 5:19-20. In Ernähr.-Umsch. 12(3). May 1965. 389.8 Er66
- 60561 HALL, C. W. Curriculum for food engineering. Agr. Eng. 1(3):131,147. Mar.1966. 58.8 Ag83
- 60562 HALL, C. W. A curriculum for food engineering. Amer. Soc. Agr. Eng. Pap. 823,7 p. 1965. 290.9 Am32P
- 60563 HALL, E. G. Biological aspects of the refrigerated storage of food. Australian Refrig. Air Cond. Heating 20(3):42-43,46-47,49-50,78. Mar.1966. 295.8 R255
- 60564 INTERNATIONAL Conference and Show for Community Provisioning and second Swiss Congress for Deep Freezing, November 17-22, 1965 in Basel. (Ge) Kalte 19(2):67-85. Feb. 1966. 295.8 K122 Summaries of papers.
- 60565 JOHNSON, W. H., and HASSLER, F. J. Steady-state thermodynamics: a methodology for agricultural process engineering. Amer. Soc. Agr. Eng. Pap. 834,20 p. 1965. 290.9 Am32P
- 60566 JOWITT, R. Chemical engineering in the food industry. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:430-441. Ref. 1964. 382 M31R Literature review.
- 60567 KITSON, J. A. E.V.O.P. for food processors—process evolution not revolution. Can. Food Indus. 37(4):13-14,17,19-20. Apr.1966. 286.83 C166 Evolutionary Operations.
- 60568 KLAUSHOFER, H. Microbiological problems in the field of food technology. (Ge) L E (Lebensmittel Ernähr.) 18(6):11-13. June 1965. 389.8 Z34 Sterilization by heat and the antibiotic Nisin.
- 60569 LAWRENCE, J. H. A. Plate freezing. Food Trade Rev. 36(3):46-48. Mar.1966. 389.8 F7334 Equipment.
- 60570 LOVE, S., and BRATZLER, L. J. Tentative identification of carbonyl compounds in wood smoke by gas chromatography. J. Food Sci. 31(2):218-222. Mar./Apr.1966. 389.8 F7322 In smoking food.
- 60571 LUCK, E. The preservation of foods with sorbic acid. (Ge) Ernähr.-Umsch. 13(3):69-70. Mar.1966. 389.8 Er66
- 60572 LUCK, E. Sorbic acid as a food preservative; review of the literature of the year 1962. Indus. Obst- Gemuseverwertung 51(6):173-183. Ref. Mar.17,1966. 389.8 K832 Text also in German.
- 60573 MALIN, B. Tylosin and processed foods. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:297-310. 1962, pub.1965. TP368.I5
- 60574 MARTINS, J., and DREWS, B. Influence of breeding conditions on the degradation of phenols by yeasts. (Ge) Chem.-Zeitung.—Chem. App. 90(7):203-207. Apr.5,1966. 384 C427 Industrial fermentation.
- 60575 MIALL, L. M. Microbiological production of organic chemicals. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:449-458. Ref. 1964. 382 M31R Review.
- 60576 MINER, S. M. What equipment is available for freeze drying today. Quick Frozen Foods 28(3):190-192,228. Oct.1965. 389.8 Q4
- 60577 NAMIKI, M., and others. Synergistic effect of organic and inorganic halides on radiation sterilization. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:353-363. Ref. 1962, pub.1965. TP368.I5 A. Matsuyama, Y. Okazawa, and I. Kaneko, joint authors. For food preservation.
- 60578 NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS. Frozen food pack statistics, 1965. Washington, D. C., 1966. 51 p. 389.9 N2123
- 60579 OSAKA. INSTITUTE FOR FERMENTATION. Annual report, No. 2, 1963-1964. Osaka, 1965. 72 p. Ref. 390.9 Os1
- 60580 PATRIC, T., and others. Studies on valine production by bacterial fermentation. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:557-567. Ref. 1962, pub.1965. TP368.I5 T. N. R. Rao, D. S. Johar, A. Sreenivasan, and V. Subrahmanyam, joint authors.
- 60581 PURCHAS, D. B. Vibratory separators; their use in food manufacture. Food Manufacture 41(3):44-48. Mar.1966. 389.8 F736
- 60582 QUICK Freezers' Open Day at Chipping Campden. Food Trade Rev. 36(3):45-51. Mar.1966. 389.8 F7334 Includes papers presented.
- 60583 QUICK FROZEN FOODS. 1965 frozen foods almanac: a collection of facts and statistics. Quick Frozen Foods 28(3):133-156. Oct.1965. 389.8 Q4
- 60584 REHM, H. J. The influence of chemical compounds on the antimicrobial effect of preservatives. (Ge) Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:255-264. Ref. 1962, pub. 1965. TP368.I5
- 60585 ROBERTS, W. M. What is the need for food engineers? Amer. Soc. Agr. Eng. Pap. 822, 6 p. 1965. 290.9 Am32P

- 60586 RUSE, G. K. New starches for food manufacture. *Brit. Food J.* 68(806):35. Mar.1966. 389.8 B77
- 60587 RUYS, A. H. Raw materials for flavourings used in food products. (Fr) *France Parfums* 9(47):31-38. Mar.1966. 308.8 F84
English summary.
- 60588 RUYS, A. H. Raw materials for volatile substances. (Ge) *Seifen-Ole-Fette-Wachse* 92(5):131-133. Mar.2,1966. 307.8 Se4
English summary.
Food flavorings.
- 60589 SCHULTZ, H. W., and LEE, J. S. Food preservation by irradiation. *Food. Technol.* 20(2):38-43. Feb.1966. 389.8 F7398
- 60590 SCHWEISHEIMER, W. The freeze-drying of foods. (Ge) *Kalte* 19(2):86. Feb.1966. 295.8 K122
- 60591 SHEPHERD, W. G. Changes in British industrial concentration, 1951-1958. *Oxford Econ. Pap. (n.s.)* 18(1):126-132. Mar.1966. 280.8 Ox2
Includes agricultural industries.
- 60592 SHERWOOD, P. W. Modern methods for measuring flow of fluids in the food industries. *Australian Food Manufacture Distributor* 35(8):44,46. Mar.10,1966. 389.8 Au7
- 60593 SHIMO, M., and others. Studies on search of new antimicrobial active compound for food preservation. 1-2. (Ja) *Food Hyg. Soc. Jap. J.* 7(1):55-66. Ref. Feb.1966. 389.9 N57
M. Kono, E. Fukuzumi, H. Kato, H. Yamaguchi, T. Kidokoro, H. Tamiya, and A. Takahashi, joint authors.
English summary.
- 60594 SOHNS, V. E., ROGOVIN, S. P., and GRIFFIN, E. L. Microbial polymers, a preliminary cost estimate. *U. S. Agr. Res. Serv. ARS-71-33*, 16 p. Feb.1966. A381 R31Ac
Polysaccharide.
- 60595 SPANYAR, P., KEVEI, E., and BLAZOVICH, M. On problems of food smoking. V. Gas and thin layer chromatography of smoke condensates. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(2):84-91. Ref. 1966. 384 Z39
- 60596 SPANYAR, P., KEVEI, E., and BLAZOVICH, M. On the stabilization of vitamin C in foods. V. Stabilized vitamin C preparations. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(3):133-139. 1966. 384 Z39
- 60597 STUMBO, C. R., and LONGLEY, R. E. New parameters for process calculation. *Food Technol.* 20(3):109-113. Mar.1966. 389.8 F7398
- 60598 TENOR, J. Bolder accent on flavoring can attract plus sales for distinctive prepared FF. *Quick Frozen Foods* 28(3):367-368,370,373-374, 376. Oct.1965. 389.8 Q4
- 60599 TRAMER, J. Nisin in food preservation. *Chem. Indus.* 11:446-450. Ref. Mar.12,1966. 382 M31C
- 60600 TULLOCH, A. P., and SPENCER, J. F. T. Fermentation of long chain compounds by *Torulopsis magnoliae*. III. *Amer. Oil Chem. Soc. J.* 43(3):153-156. Ref. Mar.1966. 307.8 J82
- 60601 U. S. ATOMIC ENERGY COMMISSION. Annual report to Congress for 1965. Washington, 1966. 442 p.,map. 173 At7S
Includes food irradiation and plant research.
- 60602 VAS, K. Experiences in the use of nisin to reduce heat treatment requirements of canned foods. *Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2*:293-296. Ref. 1962,pub.1965. TP368.I5
- 60603 VENZANO, A., NUNEZ, N. Y. S. DE, and GAY, M. Production of saccharifying fungal amylases for alcoholic fermentation. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 207:45-47. Mar.1965. 9 Id3
- 60604 VICKERY, J. R. Hardy's contribution to the application of science in the food and refrigeration industries. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:387-395. 1964. 382 M31R
- 60605 WEIK, S. L. Drying foods at home. *Ariz. Univ. Ext. Circ.* 289,19 p. Oct.1965. 275.29 Ar42
- 60606 WILLIAMS, E. W. 1965 frozen food progress in Western Europe. III. *Quick Frozen Foods* 28(3):101-105. (Concl.) Oct.1965. 389.8 Q4
- 60607 WILLIAMS, E. W. What are the immediate trends in the frozen foods industry? *Quick Frozen Foods* 28(3):93-98. Oct.1965. 389.8 Q4
- 60608 YOSHIDA, T., and HYODO, T. Superheated vapor speeds drying of foods. *Food Eng.* 38(4):86-87. Apr.1966. 389.8 F737
Steam.
- 60609 YOUNG, J. H., and NELSON, G. L. Theory of sorption isotherm hysteresis in biological materials. *Amer. Soc. Agr. Eng. Pap.* 922, 24 p. Ref. 1965. 290.9 Am32P
Moisture problems in storage and handling.

STATISTICS

- 60610 ANDHRA PRADESH. BUR. OF ECONOMICS AND STATISTICS. Season and crop report of Andhra Pradesh for the agricultural year 1963-1964 (falsi 1373). Hyderabad, 1965. 172 p., map. 269.594 An2
- 60611 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. WESTERN AUSTRALIAN OFF. Agricultural and pastoral statistics, season 1964-1965. Perth, 1966. 12 p. 271.7 C332
- 60612 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Anbau und Ernte landwirtschaftlicher Zwischenfruchte 1965 [Production and harvest of agricultural catch crops, 1965]. Baden-Wurttemberg. *Statist. Landesamt. Statist. Ber. Agrardienst* 65:373-381. Jan.21,1966. 265 St28
- 60613 BAVARIA. STATISTISCHES LANDESAMT. Die kreisfreien Stadte und Landkreise Bayerns in der amtlichen Statistik. 46. Regierungsbezirk Schwaben, Landkreis Friedberg [The independent cities and rural districts of Bavaria in official statistics, 46. Administrative district Schwaben,rural district Friedberg]. *Bayern Zahlen* 20(sup.),19 p.,map. Mar.1966. 265 B34
Includes agriculture.
- 60614 BOURKE, P. M. A. The agricultural statistics of the 1841 census of Ireland; a critical review. *Econ. Hist. Rev. (ser.2)* 18(2):376-391. Ref. Aug.1965. 277.8 Ec7
- 60615 BRATVOLD, O. G. Planting intentions 1965. *Alberta Farm Econ.* 3(2):1-3. Spring 1965. 281.8 AL12
- 60616 BRAZIL. SERV. DE ESTATISTICA DA PRODUCAO. Producao extrativa vegetal [Production of plant products], 1964. Rio de Janeiro, 1965. 30 p. 255.3 Es83Pe
Economic plants.
- 60617 CERVI, V. World agricultural census for 1970. (It) *Esso Agr.* 14(1):4-5. Dec.1965. 58.8 Es7
- 60618 CEYLON. DEPT. OF CENSUS AND STATISTICS. Ceylon census of agriculture, 1962. Volume 1. Agricultural land, agricultural operators and tenure. Colombo, 1965. 344 p. HD2075.C4A5
Text also in Singhalese.
- 60619 COSTA RICA. DIRECCION GENERAL DE ESTADISTICA Y CENSOS. Anuario estadistico de Costa Rica [Statistical annual of Costa Rica], 1964. San Jose, 1965. 263 p. 254 C82A
Agricultural statistics included.
- 60620 CYPRUS. MINISTRY OF FINANCE. STATISTICS AND RESEARCH DEPT. Statistical abstract, 1964; No. 10. Nicosia, 1965. 297 p., map. 256.02 C993Sa
Agricultural statistics included.
- 60621 EAST PAKISTAN. BUR. OF STATISTICS. Abstract of agricultural statistics of East Pakistan; land and crop statistics for 1947-48 to 1958-59. Volume I. Dacca, 1965. 288 p. HD2075.5 E3A3

- 60622 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO commodity review 1966. Rome, 1966. 226 p. 286.9 F73F
- 60623 HENNEMANN, E. Spring 1966 production outlook in Schleswig-Holstein. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 137:33-34. Feb.15,1966. 281.8 B462
Acreage.
- 60624 HUANG, C. C. The important tasks in agricultural statistical work in 1960. 17 p. (JPRS 4023) Transl. 14815
Translation from Chi-hua yu T'ung-chi 2:18-21. Feb.123,1960.
Issued by CFSTI.
- 60625 ILLINOIS COOPERATIVE CROP REPORTING SERV. Illinois agricultural statistics; annual summary 1966. Ill. Coop. Crop Reporting Serv. Bull. 66-1,91 p.,map. Apr.1966. 252.23 C78B
- 60626 ISRAEL. CENTRAL BUR. OF STATISTICS. Statistical abstract of Israel, 1965, No.16. (He) n.p., 1965. 752 p.,map. 269.8 Is7S
Introduction and table headings in English. Includes a section on agriculture.
- 60627 ITALY. ISTITUTO CENTRALE DI STATISTICA. Annuario di statistica agraria [Agricultural statistics annual] Vol. XII, 1965. Roma, 1965. 245 p. 261 Is7Ann
- 60628 JAMAICA. DEPT. OF STATISTICS. Annual abstract of statistics 1965, No. 24. Kingston, 1965. 96 p.,map. 254.8 J223Q
Agricultural statistics included.
- 60629 KERN COUNTY (CALIF.). DEPT. OF AGRICULTURE. Kern County agricultural crop report 1965. Bakersfield, 1965. 15 p. 252.09 K45
- 60630 KRUMBIEGEL, D. Crop and weather report, 11 January-10 February 1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:1-5. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
In East Germany.
Translation from Die Deutsche Landwirtschaft 3:159.
Issued by CFSTI.
- 60631 MARZI, G. DE. Final balance of herbaceous crops good. (It) Prog. Agr. [Bologna] 12(2): 161-174. Feb.1966. 58.8 P94
Statistics of field and horticultural crops.
- 60632 ORD, H. W. Agricultural commodity projections, real growth and the gains from trade. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:95-116. 1965. 286.9 In86
- 60633 PAVETTO, R. Summary of the Soviet Seven-Year Plan 1959-1965. (It) Mondo Econ. 21(13): 13-17. Apr.2,1966. 280.8 M742
Agricultural production data included.
- 60634 SMITH, R. K. Here they are—prospective plantings for 1966. Agr. Situation [Washington] 50(4):9. Apr.1966. 1 Ec7Ag
Statistics of field crops and vegetables.
- 60635 TAIWAN. DEPT. OF AGRICULTURE AND FORESTRY. Taiwan agricultural yearbook, 1965 edition. 297 p. Taipei? 1965. 269.1 F762
Text also in Chinese.
Statistics.
- 60636 THULIN, D. The production and consumption of vegetable farm products in 1964/65. (Sw) Jordbruksekon. Medd. 28(2):33-46. Feb.1966. 257.3 J76
English summary, p.32.
- 60637 ZHECHEV, P. Crop structure in irrigated areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:1-6. Dec.15,1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Field crop acreage and yields in Bulgaria.
Translation from Kooperativno Zemedelie 11: 16-18. Nov.1965.
Issued by CFSTI.
- BEVERAGES AND CONDIMENTS
- 60638 AMERINE, M. A. The 1965 Ljubljana wine judging. Wines Vines 47(4):57-60. Apr.1966. 95.8 C122
- 60639 AUDIDIER. Chemical or biological methods for the manufacture of fine wines. (Fr) Paris. Acad. Agr. France, Compt. Rend. Hebd. Seances 51(18):1164-1166. Dec.8/15,1965. 14 P215Bc
- 60640 AURAND, L. W., and others. Volatile components in the vapors of natural and distilled vinegars. J. Food Sci. 31(2):172-177. Ref. Mar./Apr.1966. 389.8 F7322
J. A. Singleton, T. A. Bell, and J. L. Etchells, joint authors.
- 60641 BADEN-WURTEMBERG. STATISTISCHES LANDESAMT. Endgultiges Ergebnis der Weinmosternte 1965 [Final results of the wine must harvest 1965]. Baden-Wurtemberg. Statist. Landesamt. Statist. Ber. Agrardienst 62:339-350. Jan.7,1966. 265 St28
- 60642 BERGNER, K. G., and WAGNER, H. The free amino acids during bottle and tank fermentation of sparkling wine. (Ge) Klosterneuburg. Herehere Bundeslehr- Versuchanst. Wein-Obstbau. Mitt. Ser. A, Rebe Wein 15(4):181-198. Ref. July 1965. 105.9 K696
English summary.
- 60643 BEYLEVELD, A. J. The development of production control in the wine industry. Agrekon 5(1):9-13. Jan.1966. 281.8 Ag835
Republic of South Africa.
- 60644 BURGESS, K. W. Coffee Bureau returns to big time promotion. Tea Coffee Trade J. 130 (3):26,39-42. Mar.1966. 68.8 T22
Pan-American Coffee Bureau (New York).
- 60645 CAMPANELLO, F. At last wine adulteration is finished. (It) Esso Agr. 15:24-25. Feb.1, 1966. 58.8 Es7
Inspection.
- 60646 CEYLON tea review, 1965. Colombo, Forbes & Walker, 1965. 19 p. 286.83 C332
Marketing.
- 60647 CHENERY, E. M. An appraisal of tea research in Ceylon. Planters' Chron. 60(24):478-479. Dec.15,1965. 22 P693
- 60648 CHOKKANNA, N. G. Research and quality of coffee. Planting Com. 13(11):54,56-59. Sept.8, 1965. 22 P697
India.
- 60649 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(421):327-355. (Cont.) Mar.1966. 390.8 B87
Influence of temperatures of fermentation and storage of wine and special wines on their chemical, microbiological, and organoleptic characteristics; general report by V. Dimotaki-Kourakou.
- 60650 CZYHRINCIW, N. The technology of passion fruit and mango wines. Amer. J. Enol. Viticult. 17(1):27-30. Jan./Mar.1966. 390.9 Am33
- 60651 DALMASSO, G. "Sensible" application of the new law against wine adulteration. (It) Colt. G. Vinicolo Ital. 111(10):331-332. Oct.1965. 16 C72
- 60652 DEIBNER, L. On the details of the measurement of oxidation-reduction potential in grape juice and wines. (Fr) Office Int. Vigne Vin. Bull. 39(421):312-326. Ref. Mar.1966. 390.8 B87
- 60653 DESROUSSEAU-BAILLEUL, C., and MON-TREUIL, J. Study, at the industrial stage, of qualitative and quantitative variations of glucides of must in the course of brewing. (Fr) Brasserie 21(232):87-88,90-91,93,95-106. Ref. Mar.1966. 390.8 B734
- 60654 DIEZ DE BETHENCOURT, C. Development of malic and lactic acids in the natural aging of red wines. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):14-17. Jan./Mar.1965. 389.8 R324

- 60655 EAST AFRICAN INDUSTRIAL RESEARCH ORGANIZATION. Annual report, 1964-1965. Nairobi, Kenya, 1965. 20 p. 280.9 Ea7A
Includes report of coffee processing research.
- 60656 EGGENBERGER, W. Palm wine or toddy, the beverage of the little man in India. (Ge) Schweiz. Z. Obst- Weinbau 101(22):555-558. Oct.30,1965. 80 Sch9
- 60657 ÉMEIS, C. C. Biological aspects of quick fermentation. (Ge) Monatsschr. Brauerei 18(6): 164-166. June 1965. 390.8 B7323
- 60658 ENARI, T. M. Recent studies on barley and malt proteins. Brewers Dig. 41(4):84-88,90-91. Ref. Apr.1966. 390.8 B75
In brewing.
- 60659 ESCHNAUER, H. Contributions to the analytical chemistry of wine. XV. Determination of antimony in wine. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(6):337-340. 1966. 384 Z39
- 60660 ESTEVES, A. B. Possibilities and means of making the classification of green coffee more standardized and objective. (Fr) Cafe, Cacao, The 9(4):285-293. Oct./Dec.1965. 68.8 C112
English summary.
- 60661 FEDERATION DES SYNDICATS DE PRODUCTEURS DE CAFE ET DE CACAO. Secretary's report of the Federation of Coffee and Cacao Producers' Syndicates. (Fr) Cameroun Agr. Past. Forest. 88:56-61. June 1965. 24 C353
Markets and prices.
- 60662 FLANZY, C., and POUX, C. Alcoholic yeasts in wines; proteolysis and proteogenesis. III. (Fr) Ann. Technol. Agr. 14(1):35-48. 1965. 14 F8499An
English summary.
- 60663 FLANZY, C., and POUX, C. Note on the amino acid content of grapejuice and wine in relation to annual conditions (ripening and fermentation). (Fr) Ann. Technol. Agr. 14(1):87-91. 1965. 14 F8499An
- 60664 FRIED, E. R. Guide to Latin American coffee. 1-3. World Coffee Tea 6(12):13-14,17,20,22,24,30,32,36-38,40,42-59. Apr.1966. 286.83 W89
1, Overview; 2, Summary data; and 3, Country data.
- 60665 GALETTO, W. G., WEBB, A. D., and KEPNER, R. E. Identification of some acetals in an extract of submerged-culture flor Sherry. Amer. J. Enol. Viticult. 17(1):11-19. Ref. Jan./Mar. 1966. 390.9 Am33
Chromatography used.
- 60666 HAESELER, G., and MISSELHORN, K. Chromatographic determination of various types of sugar in fermented kirsch mash. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 129(4): 222-230. Ref. 1966. 384 Z39
- 60667 HAESELER, G., and MISSELHORN, K. Sorbitol and mannitol determination in kirsch mash. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 129(2):71-75. Ref. 1966. 384 Z39
- 60668 HARLER, C. R. The taste of tea—taste, as recorded on the tongue and in the mouth. Planters' Chron. 60(22):428-430. Nov.15,1965. 22 P693
- 60669 HERBERT, D. A. Recent developments and trends in canning. Food Manufacture 41(4):41-44. Ref. Apr.1966. 389.8 F736
Beverages and food.
- 60670 HOWARD, J. Tea for sale. Planters' Chron. 60(21):396-397. Nov.1,1965. 22 P693
Auction in Great Britain.
- 60671 KARTNIG, T. Some lipid containing substances from fruits of Anethum graveolens L. and Coriandrum sativum L. (Ge) Fette, Seifen, Anstrichmittel 68(2):131-134. Ref. Feb.1966. 384 C422
English summary.
- 60672 KONNERTH, W. M. Why America is not a wine drinking nation. Wines Vines 47(4):52-56. Apr.1966. 95.8 C122
- 60673 LAFUENTE, B., ALONSO, I., and LOPEZ, J. J. Infra-red pasteurization of "horchata de chufas." (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):92-98. Jan./Mar.1965. 389.8 R324
English summary, p.90.
Beverage from Cyperus esculentus.
- 60674 LONDON, C. H. S. Plantation industry in Kerala. Planting Com. 13(10):5-7,9. Aug.23, 1965. 22 P697
Coffee, tea, and rubber.
- 60675 LOUIS-DELAMARE, J., ET CIE. Development of maritime transportation. (Fr) Cafe Vert 187:2-3. Feb.1966. 286.3689 F31
Coffee.
- 60676 MACDONALD, A. F. Indian Tea Association. Planters' Chron. 61(6):103-107. Mar.15,1966. 22 P693
- 60677 MADDEN, C. J. Will prices advance sufficiently to compensate for fine plucking? Planters' Chron. 61(4):72. Feb.15,1966. 22 P693
Quality in tea.
- 60678 MALHOTRA, S. P. Production trends and profitability in plantations. Planting Com. 13(11):41-42,44-50,52-53. Sept.8,1965. 22 P697
Chiefly tea and coffee industry in India.
- 60679 MARESCALCHI, C. The expectations of viticulturists for the common wine policy. (It) G. Agr. 76(17):187. Apr.24,1966. 16 It1G
- 60680 MAYER, K. Some remarks on the use of pure yeast at Wadenswil. (Ge) Schweiz. Z. Obst-Weinbau 102(2):48-51. Jan.22,1966. 80 Sch9
In wine manufacture.
- 60681 MAYURANATHAN, P. S., and GOPALAN, K. K. Reaction of amino acids and tea quinones. J. Food Sci. Technol. [Mysore] 2(1):1-3. Ref. Apr.1965. 389.8 J823
Flavor.
- 60682 MCKIERNAN, J. F. State Dept. cooperates with NCA. Tea Coffee Trade J. 130(3):19,36-39. Mar.1966. 68.8 T22
Public relations program of the National Coffee Association, to increase coffee consumption; includes trade policies.
- 60683 MONTANARI, V. Presentation of typical fine wines of Venezia. (It) Agr. Venezia 19(6): 273-288. June 1965. 16 Ag826
- 60684 MORSELLI, M. From ancient toasters to modern roasters: even for coffee the future has begun. (It) Modena 72(1):16-19. Jan.1966. 280.9 M722
- 60685 NARASIMHASWAMY, R. L. Glossary of some terms used in processing of coffee in India. Planters' Chron. 60(20):381-386. (Cont.) Ref. Oct.15,1965. 22 P693
- 60686 NARASIMHASWAMY, R. L. Glossary of some terms used in processing of coffee in India. Planters' Chron. 61(2):28-38. (Cont.) Ref. Jan.15,1966. 22 P693
- 60687 NATARAJAN, C. P., and others. Extraction of sugars (polysaccharide) from roasted coffee. J. Food Sci. Technol. [Mysore] 2(1):7-9. Apr. 1965. 389.8 J823
A. Balachandran, S. Shivashankar, S. Ramamani, and D. S. Bhatia, joint authors.
- 60688 NATIONAL COFFEE ASSOCIATION. Breakthrough in coffee containerization. World Coffee Tea 6(11):39-40,42-43. Mar.1966. 286.83 W89
- 60689 NELSON, K. E., and OUGH, C. S. Chemical and sensory effects of microorganisms on grape musts and wine. Amer. J. Enol. Viticult. 17(1):38-47. Ref. Jan./Mar.1966. 390.9 Am33
- 60690 OUGH, C. S. Fermentation rates of grape juice. II. Effect of initial oBrix, pH, and fermentation temperature. Amer. J. Enol. Viticult. 17(1):20-26. Ref. Jan./Mar.1966. 390.9 Am33
- 60691 PARLE, J. N., and MENNA, M. E. DI. The source of yeasts in New Zealand wines. New Zeal. J. Agr. Res. 9(1):98-107. Ref. Feb.1966. 23 N4892

- 60692 PATAKY, B. Iodometric sulphur dioxide determination in wine. (Ge) Klosterneuburg. Höhere Bundeslehr- Versuchsanst. Wein- Obstbau. Mitt. Ser. A, Rebe Wein 15(4):199-204. Ref. July 1965. 105.9 K696
English summary.
- 60693 PATAKY, B. On the particularity of spectrophotometric dosage of anthocyanins. (Fr) Ann. Technol. Agr. 14(1):79-85. Ref. 1965. 14 F8499An
English summary.
Touches upon wine.
- 60694 PEYER, E. Fall wine and prices in East Switzerland. (Ge) Schweiz. Z. Obst-Weinbau 101(24):598-603. Nov.27,1965. 80 Sch9
Includes quality.
- 60695 PEYER, E. In honor of the good German wine. (Ge) Schweiz. Z. Obst-Weinbau 101(19):484-486. Sept.18,1965. 80 Sch9
- 60696 PEYER, E. Results of wine vintage control in fall of 1965. (Ge) Schweiz. Z. Obst-Weinbau 102(2):45-48. Jan.22,1966. 80 Sch9
- 60697 PEYNAUD, E., and BLOUIN, J. Comparison of some methods of quantitative determination of lambda 1-malic acid. (Fr) Ann. Technol. Agr. 14(1):61-66. Ref. 1965. 14 F8499An
English summary.
In wine.
- 60698 PEYNAUD, E., LAFON-LAFOURCADE, S. Study of a simple method of quantitative determination of malic acid, applied to wines, using "Schizosaccharomyces pombe." (Fr) Ann. Technol. Agr. 14(1):49-59. 1965. 14 F8499An
English summary.
- 60699 PHYLAKTIS, S. History of Cyprus wine. Commonwealth Prod. 411:10. Jan./Feb.1966. 286.8 Em7
Industry.
- 60700 PINAGA, F., and LAFUENTE, B. Dehydrated "horchata." I. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):99-105. Ref. Jan./Mar.1965. 389.8 R324
English summary, p.90.
Beverage from *Cyperus esculentus*.
- 60701 POLIGNONE, V. Italians drink little; fifteenth place in alcoholic consumption. (It) G. Agr. 76(11):122. Mar.13,1966. 16 It1G
Wine.
- 60702 QUITTANSON, C. Origin of trade name, a permanent factor in looking for quality. (Fr) Rev. Ferment. Indus. Aliment. 20(2):49-61. 1965. 390.08 R32
Includes history and legal aspects of wine.
- 60703 RADTKE, R., SPRINGER, R., and MOHR, W. Study of coffee aroma and its changes in the course of roasted coffee storage. II. (Ge) Z. Lebensmittel-Untersuchung-Forsch. 128(6):321-333. 1966. 384 Z39
- 60704 RAMASWAMY, P. Marketing of ginger in Assam. Agr. Marketing [Nagpur] 8(2):17-20. July 1965. 280.38 Ag84
- 60705 RENTSCHLER, H. Detection of chemical preservation of wine with pyrocarbonic acid diethyl esters. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):265-269. 1965. 389.9 Sw6
- 60706 RENTSCHLER, H. Fermented cider time. (Ge) Schweiz. Z. Obst-Weinbau 101(23):582-583. Nov.13,1965. 80 Sch9
Regulation under the food law.
- 60707 RENTSCHLER, H. Solubility of carbonic acid in wine in relation to temperature and pressure. (Ge) Schweiz. Z. Obst-Weinbau 101(26):662-663. Dec.25,1965. 80 Sch9
- 60708 RICHARDSON, K. C. Effect of dehydration temperature on the quality of dried ginger. Food Technol. Australia 18(2):93,95. Feb. 1966. 389.8 F7333
- 60709 ROHAN, T. A., and STEWART, T. The precursors of chocolate aroma: changes in the free amino acids during the roasting of cocoa beans. J. Food Sci. 31(2):202-205. Ref. Mar./Apr.1966. 389.8 F7322
- 60710 ROHAN, T. A., and STEWART, T. The precursors of chocolate aroma: changes in the sugars during the roasting of cocoa beans. J. Food Sci. 31(2):206-209. Mar./Apr.1966. 389.8 F7322
- 60711 ROWE, J. W. F. The coffee industries of East Africa in the world market setting. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964: 83-94. 1965. 286.9 In86
- 60712 RÜBIO, J. F. Guatemalans and the soluble coffee. (Sp) Rev. Cafetalera 49:13-16. Sept.1965. 68.28 R322
Research and production.
- 60713 SANTAGOSTINO, E. A., and SAPETTI, C. Ascorbic acid oxidation with and without sulphur dioxide. (It) Ann. Sperim. Agr. (n.s.) 17(5/6):561-581. Ref. 1963, pub.1965. 16 An76
English summary.
In wine manufacture.
- 60714 SCHNEIDER, M. Difficulties in Austrian grape production. (Ge) Osterr. Inst. Wirtschaftsforsch. Monatsber. 39(2):56-62. Feb.1966. 280.9 V672
Grape and wine statistics.
- 60715 SCHOLL, J. C. Record coffee outturn in sight for Mexican producers. Foreign Agr. Incl. Foreign Crops Markets 4(15):6. Apr.11,1966. A281.9 F76Fo
Outlook.
- 60716 SCHOLTZ, A. Handling of the new wine. (Hu) Kerteszet Szolesz. 14(24):14. Dec.1965. 80 K474
- 60717 SCHOPFER, J. F. Yeasting, an important wine operation. (Fr) Agr. Romande (ser.A) 4(9):61-63. Sept.1965. 17 Ag8
- 60718 SCHWEISHEIMER, W. Tea makes us lively, cheerful and happy. Tea Coffee Trade J. 130(3):16,62. Mar.1966. 68.8 T22
Consumption and outlook; includes history.
- 60719 SCOPES, A. W. Brewing, malting and allied processes. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:442-449. Ref. 1964. 382 M31R
- 60720 STADLER, H., and HIEFNER, R. The use of hops concentrates in brewing. (Ge) Monatschr. Brauerei 18(6):149-158. June 1965. 390.8 B7323
- 60721 STATE pure food laws relating to beverages. Amer. Soft Drink J. 120(846):80-108. Mid-Mar.1966. 389.8 So8
- 60722 STERN, R. M. The determinants of cocoa supply in West Africa. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:65-82. 1965. 286.9 In86
Includes statistics.
- 60723 TANNER, H. Current problems in the distillery industry. (Ge) Schweiz. Z. Obst-Weinbau 101(19):480-484. (Cont.) Sept.18,1965. 80 Sch9
- 60724 TANNER, H. On the problems of execution of biological acid decomposition in 1965 vintage wines. (Ge) Schweiz. Z. Obst-Weinbau 101(26):655-658. Dec.25,1965. 80 Sch9
- 60725 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. WORKING PARTY ON STANDARDIZATION OF PERISHABLE FOODSTUFFS. European standard. No. 27. Horse-radish. United Nations. AGRI/WP.1/EUR.STAN. 27,4 p. 1965. 280.39 Un34
- 60726 VAN DE STEENE, M. The international coffee situation. Kenya Coffee 31(361):24-27. Jan. 1966. C652
- 60727 VERONESI, F. A good marriage for the white wine of Castelfranco. (It) Modena 72(1):20-25. Jan.1966. 280.9 M722
Alionza and Montuni wines.
- 60728 VICTOR, D. Brookside [Vineyard Company] combines new merchandising with mission heritage. News Farmer Coop. 32(12):11-12. Mar.1966. 166.2 N47
California cooperative.

- 60729 VILLEGAS RODAS, M. Mi lucha por el cafe de Guatemala [My struggle for the coffee of Guatemala]. Guatemala, 1965. 389 p. HD9199.A1V5
- 60730 WEBB, A. D., KEPNER, R. E., and GALETTO, W. G. Volatile components of Sherry wine. *Amer. J. Enol. Viticult.* 17(1):1-10. Ref. Jan./Mar.1966. 390.9 Am33
- 60731 WEINFURTNER, F., WULLINGER, F., and PIENDL, A. Malt quality—wort composition—fermentation. (Ge) *Brauwelt* 106(23):405-412. Ref. Mar.22,1966. 390.8 B732
- 60732 WILLIAMSON, A. J. P. The tea industry in Taiwan. II. Manufacture of tea. *Indus. Free China* 25(1):8-27. Jan.1966. 297.8 T99
- 60733 WILTEN, W. Developments in the research on brewing quality of barley varieties. (Du) *Int. Tijdschr. Brouwerij Mouterij* 25(5):133-139. 1965/66. 390.8 R32Af
Includes discussion.
- 60734 WINE INSTITUTE. Thirtieth annual wine industry statistical survey. Part I. Wine Inst. Bull. 1377,15 p. Apr.15,1966. 390.9 W72
- 60735 WORLD COFFEE AND TEA. Tea in the modern supermarket. *World Coffee Tea* 6(11):53-54,56. Mar.1966. 286.83 W89
- 60736 YAMANISHI, T., and others. Flavor of black tea. II. Alcohols and carbonyl compounds. *Agr. Biol. Chem.* 29(11):1016-1020. Nov.1965. 385 Ag8B
A. Kobayashi, H. Sato, A. Ohmura, and H. Nakamura, joint authors.
- 60737 ZIPP, B. Grape cooperatives should be actively formed; changes in the wine market compel contractual ideas. (Ge) (Extr.) *Raiffeisen-Rundschau* 18(4):147-148. Apr.1966. 284.28 R132

DAIRY PRODUCTS

- 60738 COULTER, S. T. High fat milk products—a perspective. *J. Dairy Sci.* 49(3):331-337. Mar. 1966. 44.8 J822
- 60739 DAIRY CONFERENCE, CAPE TOWN, 1965. Proceedings. *Dairy Indus. J. Southern Afr.* 5(4):147,149,150,153,155,157. Oct./Dec.1965. 44.8 D1428
Text chiefly English, partly in Afrikaans. Statements at the opening of conference.
- 60740 DAM, B. VAN. Public law trade organizations, the Dairy Production Institute [Produktschap voor Zuivel] and the future. (Du) *Misset's "Zuivel"* 71(13):262-264. Mar.30,1965. 44.8 N282
- 60741 DANSKE MEJERIFORENINGERS FAELLESORGANISATION. Beretning om Faellesorganisationens og Mejerikontorets virksomhed [Report on the activities of the Federation of Danish Milk Plant Associations and the Dairy Board], 1964-65, by T. Mathiasen. Aarhus, 1965. 253 p. 44.9 D23
- 60742 FEDERATION OF UNITED KINGDOM MILK MARKETING BOARDS. United Kingdom dairy facts and figures. Ed. 3. London, 1965. 189 p., map. 44.8 Un37
- 60743 FORNARI, B. Sector interdependence of the Italian cheese industry. (It) *Mondo Latte* 20(2):111-115. Feb.1966. 44.8 M74
- 60744 FRASE. The milk and dairy industry in Rheinland/Pfalz. (Ge) *Molk.-Kaserei-Zeitung* 16(36):1316-1317. Sept.8,1965. 44.8 M736
- 60745 GENIN, G. Milk in the world. (Fr) *Lait* 46(451/452):50-60. Jan./Feb.1966. 44.8 L143
- 60746 GEYER, J., HEDRICK, T. I., and HALL, C. W. Ice cream and other frozen desserts in the USA. *Dairy Indus.* 31(4):280-283. Ref. Apr. 1966. 44.8 D1427
- 60747 GODBERSEN, G. W. Development of education for the Indian dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 19(30):908. July 30,1965. 44.8 M735
- 60748 GOTTSCHE, H. Educational subsidies in the dairy industry. (Ge) *Molk.-Kaserei-Zeitung* 16(29):1071-1073. July 21,1965. 44.8 M736
- 60749 GRYZA, A. A. Creating whole milk production zone around city of Kiev. (Rus) *Zhivotnovodstvo* 3:5-10. Mar.1966. 49 Z6
Includes farm management.
- 60750 HANSEN, V. Milk production and milk market in the sphere of influence of policy and economics. (Ge) *Molk.-Zeitung Welt Milch* 19(28):846-848,857. July 16,1965. 44.8 M735
- 60751 HARRIS, H. M., and WILSON, L. E. Market values and transfers of milk quotas in Alabama. *Ala. Agr. Exp. Sta. Bull.* 366,43 p.,map. Mar. 1966. 100 AL1S
- 60752 HARTL, S. Dynamic administration in the practical dairy industry. (Ge) *Molk.-Kaserei-Zeitung* 16(26):967-970. June 30,1965. 44.8 M736
- 60753 HOLST, W. Germany's dairy industry. *Dairy Indus.* 31(3):210-212. Mar.1966. 44.8 D1427
- 60754 ICE CREAM FIELD AND ICE CREAM TRADE JOURNAL. 14th annual survey of industry trends. *Ice Cream Field Trade J.* 148(6):S-1-S-16. Mar.1966. 389.8 Ic2
- 60755 INDIAN DAIRY SCIENCE ASSOCIATION. Third dairy industry conference. *Indian Dairyman* 18(2):37-39,41,43,45,47,49,51,53,55. Feb. 1966. 44.8 In282
Includes speeches at the meeting.
- 60756 JAUME, J. Milk production in Majorca. (Sp) *Cult. Mod.* 48(6):219. June 1965. 15 C89
- 60757 JOKISCH, G., and BECKMANN, K. Thoughts on plant management. (Ge) *Molk.-Kaserei-Zeitung* 16(29):1082-1084; (31):1134-1135; (33):1197-1198,1200. Apr.18,July 21,Aug.4, 1965. 44.8 M736
- 60758 KIRCHNER, A. The new Geinbert dairy. (Ge) *Osterr. Milchwirt.* 20(14):245-247. July 21, 1965. 44.8 Os72
- 60759 KOTTMAN, R. M. An administrator's view of teaching. *J. Dairy Sci.* 49(3):319-323. Mar. 1966. 44.8 J822
Dairy science.
- 60760 LALANNE, R. The use of the radio method in the dairy industry. (Fr) *Tech. Lait., Spec.No.* 13:14-15. Oct.25,1965. 44.8 Of2
Milk plant management.
- 60761 LONGO, L. P. I challenge you, young man, to a good life and a profitable business. *Hoard's Dairyman* 111(8):522-523. Apr.25,1966. 44.8 H65
In dairying.
- 60762 MALONE, P. J. Decreasing butter production should soon affect domestic consumption. *Amer. Oil Chem. Soc. J.* 43(3):104A-105A. Mar.1966. 307.8 J82
- 60763 MEYER, W. Change of the German dairy structure and the E.E.C. fluid milk market regulation. (Ge) *Deut. Molk.-Zeitung* 87(12):439-440. Mar.24,1966. 44.8 Su2
- 60764 MILK INDUSTRY FOUNDATION. Convention proceedings, 58th annual convention, Montreal, Quebec, Canada, October 18-20, 1965. n.p., 1965. 4 v. 44.9 In8
- 60765 MUSSETT, A. T. Opportunities for cutting plant costs. *Milk Indus. Found. Conv. Proc.*, 38th Annu. Conv., Plant Sect.:50-54. 1965. 44.9 In8
- 60766 MUSTO, M. V. Designing the layout. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Plant Sect.:17-22. 1965. 44.9 In8
Milk plants.
- 60767 NEW ZEALAND DEPT. OF AGRICULTURE. List of creameries, factories, private dairies, and packing houses, July 1964. Wellington, 1965. 22 p. 44.9 N484A
- 60768 NIELSEN, E. W. Dairy industry in Soviet Union. (Da) *Maelkeritidende* 79(18):375-382. May 6,1966. 44.8 M26
- 60769 ONTARIO CHEESE PRODUCERS' ASSOCIATION. Report of the thirty-third annual meeting, Toronto, Ontario, January 13 and 14, 1966. Belleville, Ont., 1966. 63 p. 44.9 On8
Ontario Cheese Producers' Marketing Board, cooperating.

- 60770 OPPENHEIM, J. F. Collaboration between France and Spain in dairy industry. (Fr) Indus. Lait. 223:362-363. July/Aug. 1965. 44.8 In2
Policies.
- 60771 OVERCAST, W. W. Combined introductory course in dairy, animal husbandry, and poultry at the University of Tennessee. J. Dairy Sci. 49(3):325-327. Mar. 1966. 44.8 J822
- 60772 PERRY, J. A. Remodel or rebuild for automation? Milk Indus. Found. Conv. Proc., 38th Annu. Conv., Plant Sect.:32-39. 1965. 44.9 In8
Milk plants.
- 60773 PESHKOV, V. Data concerning the production, variety and quality of dairy products in 1964. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 94:15-23. Sept. 20, 1965. (JPRS 32,076; TT 65-32569; CSO 1840-D) 173 J663 Tro
Translation from Molochnaya Promyshlennost' 7:40-42. July 1965.
- 60774 POMPA, A. Ice cream in Britain. Ice Cream Trade J. 148(5):50,52,55,58,60. Feb. 1966. 389.8 Ic2
- 60775 POSTLETHWAIT, S. N. Modern developments in teaching methods. J. Dairy Sci. 49(3):323-325. Mar. 1966. 44.8 J822
Dairy science.
- 60776 RAO, Y. K. An economic analysis of the interplant efficiency of the Maryland and Virginia milk producers manufacturing plant, Laurel, Maryland. Diss. Abs. 26(9):5089. Mar. 1966. 241.8 M58
- 60777 RIPPEN, A. L. Let's set the pace. Ice Cream Field Trade J. 148(6):44-46. Mar. 1966. 389.8 Ic2
Ice cream industry.
- 60778 ROTH, A. G. History of cheese; new material from old papers. (Ge) Schweiz. Milchzeitung 92(19):146. (Cont.) Mar. 8, 1966. 44.8 Sch92
- 60779 ROTH, A. G. History of cheese; new material from old papers. (Ge) Schweiz. Milchzeitung 92(21):164. (Cont.) Mar. 15, 1966. 44.8 Sch92
- 60780 SCHEIDENHELM, E. C., WILK, J. C., and LÄBORE, D. E. Dairy cattle recommendations for 1966. Ky. Univ. Ext. Misc. 101-H, 8 p. Mar. 1966. 275.29 K415M
Dairy industry.
- 60781 SEELEMAN, M. An eventful trip to Transvaal (South Africa) and Southwest Africa. (Ge) Molk.-Zeitung Welt Milch 19(38):1266,1268,1270-1271. (Concl.) Sept. 24, 1965. 44.8 M735
Includes description of the dairy industry.
- 60782 SEELEMAN, M. Observations on the farming and dairy industry of South and Southwest Africa. (Ge) Milchwissenschaft 21(3):130-132. Mar. 1966. 44.8 M5933
English summary.
- 60783 SELIGMAN, P. Some recent trends and developments in the dairy industry. Food Indus. S. Afr. 18(10):27,29. Feb. 1966. 389.8 F7372
- 60784 STALLINGA, P. The Friesland "dairy chart." (Du) CMC (Coop. Melkcent.) 21(4):58. May 22, 1965. 44.8 C11
- 60785 STUBER, O. News of the Federal Education and Research Institution for Hard Cheese [Bundeslehr- und Versuchsanstalt für Hartkäse] in Rotholz/Tirol. (Ge) Deut. Molk.-Zeitung 87(12):447-448. Mar. 24, 1966. 44.8 Su2
- 60786 SVENDSEN, K. Production and marketing basis for the Swedish dairy industry now and in the future. (No) Mejeriposten 55(13):265-267. Apr. 2, 1966. 44.8 M47
- 60787 SYMPOSIUM ON EFFECTIVE TEACHING IN DAIRY SCIENCE. [Proceedings]. J. Dairy Sci. 49(3):319-330. Mar. 1966. 44.8 J822
- 60788 SYMPOSIUM—whither the dairy industry? Dairy Indus. J. Southern Afr. 5(4):157,159,161,163,165,167-169,171,173,175,177,179,181-193. Oct./Dec. 1965. 44.8 D1428
Panel members: J. S. Fotheringham, J. G. Van Der Horst, A. J. Basson, F. N. Bonsma, C. Van Der Merwe, J. C. Oosthuizen, J. H. Dreyer, E. H. Nolte, H. Urquhart, J. J. Nel, and J. S. Watt.
- 60789 TURK, K. L. Guiding principles for dairy education. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 12(1):24-29. 1965. 275.249 F26
- 60790 VELTEN, J. 1964. (Ge) Molk.-Kaserei-Zeitung 16(34):1221-1222. Aug. 25, 1965. 44.8 M736
Dairy situation.
- 60791 VITAGLIANO, M. Perspectives of sheep cheese industry in the Mediterranean area. (Fr) Méditerranée 7:184-189. July/Sept. 1965. 281.8 M462
English summary.

Analysis and Composition

- 60792 ASPERGER, H. Classification of micrococci-staphylococci from the point of view of the dairy industry. (Ge) Osterr. Milchwirt. 20 (12, wiss. beilage 3):23-50. Ref. June 21, 1965. 44.8 Os72
- 60793 BADINGS, H. T., and POL, J. J. G. VAN DER. Spectrophotometric determination of microquantities of hydrogen sulphide after conversion into methylene blue. Ned. Melk-tijdschr. 19(4):283-297. Ref. Oct./Dec. 1965. 44.8 N283
- 60794 BARNETT, T. R. Research methods for determination of coagulability have been confirmed. (Ge) Molk.-Zeitung Welt Milch 19(42):1381-1382. Oct. 22, 1965. 44.8 M735
- 60795 BAUMANN, D. P., and REINBOLD, G. W. Freezing of lactic cultures. J. Dairy Sci. 49 (3):259-264. Mar. 1966. 44.8 J822
- 60796 BEUCHER, M. Etude des variations de quelques constituants du lait de vache [A study of the variations of some constituents of cow's milk]. Lyon. Ecole Nat. Vet. These 9, 116 p. Ref. 1965. 41.2 L99
- 60797 BOLDINGH, J., and others. Components of butter fat present in traces. I. Isolation and identification of saturated aliphatic lactones. (Fr) Rev. Franc. Corps. Gras 13(4):235-246. Ref. (Cont.) Apr. 1966. 307.8 R32
P. Haverkamp, Begeman, A. P. de Jonge, and J. Taylor, joint authors.
English summary.
Components which give flavor.
- 60798 BUCY, J. L., and RANDOLPH, H. E. Relationship between the keeping quality properties of grade A raw milk and standard plate, thermoturic, and coliform counts. J. Milk Food Technol. 29(4):122-125. Apr. 1966. 44.8 J824
- 60799 BUMA, T. J. The true density of spray milk powders and of certain constituents. Ned. Melk- Zuiveltijdschr. 19(4):249-265. Ref. Oct./Dec. 1965. 44.8 N283
- 60800 CHUN, P. W. L. Characterization of interacting casein molecules. Diss. Abs. 26(9):5005-5006. Mar. 1966. 241.8 M58
- 60801 CIBLIS, E., and SCHWARZ, G. Bacteriological investigations of raw cream in butter factories of Baden-Württemberg. (Ge) Deut. Molk.-Zeitung 87(13):476-378. Mar. 31, 1966. 44.8 Su2
- 60802 CITTI, J. E. Control of acid production and beta-galactosidase synthesis in lactic streptococci. Diss. Abs. 26(9):4967. Mar. 1966. 241.8 M58
Streptococcus lactis.
- 60803 CLAYPOOL, L., and others. Residence time of nisin in the oral cavity following consumption of chocolate milk containing nisin. J. Dairy Sci. 49(3):314-316. Mar. 1966. 44.8 J822
B. Heinemann, L. Voris, and C. R. Skumbo, joint authors.

- 60804 DANE, B. S. Efficacy of P.A. [phytosterol acetate] test in detecting vegetable fat adulteration in ghee. *Agr. Marketing [Nagpur]* 8(2): 7-9. July 1965. 280.38 Ag84
- 60805 DEMAN, J. M. Measurement of the color of butter and margarine with the E.E.L. reflectance photometer. *Food Can.* 26(3):26-28. Mar.1966. 389.8 F7323
- 60806 DEMANGE, B., and FRENTZ, R. Detection of partial hydrolysis of lactose in milk testing by thin layer chromatography. (Fr) *Lait* 46 (451/452):1-9. Jan./Feb.1966. 44.8 L143 English summary.
- 60807 DUIN, H. VAN, and BRONS, C. A method for the rapid determination of the copper content of milk and milk powder. (Du) *Ned. Melk-Zuiveltijdschr.* 19(4):298-305. Oct./Dec.1965. 44.8 N283 English summary.
- 60808 FREEMAN, T. R., and RANDOLPH, H. E. Added water in milk detection and prevention. *Milk Dealer* 55(7):48-50. Apr.1966. 44.8 M595
- 60809 HAMAMOTO, M., HIROTA, T., and KANAUCHI, T. Microbiological studies on market milk. 1-2. (Ja) *Food Hyg. Soc. Jap. J.* 7(1):14-25. Ref. Feb.1966. 389.9 N57 English summary.
- 60810 HANNI, H. pH determination in ripe cream and butter. (Ge) *Schweiz. Milchzeitung* 92(26): 203,206. Apr.1,1966. 44.8 Sch92
- 60811 HANNI, H. Photometry. (Ge) *Schweiz. Milchzeitung* 92(21):163-164. Mar.15,1966. 44.8 Sch92 Dairy products.
- 60812 HANSEN, P. A. *Lactobacillus bulgaricus* and its relationships. Potsdam, Inst. Ernähr. Ernährungsforsch. 10(2/3):485-488. 1965. 386.3 P84 In dairy products; relationship to *L. helveticus*, *L. jugurt*, and *L. longus*.
- 60813 HEDRICK, T. I., and SCHANDLER, S. H. Salt analysis of cheese by a simplified method. *J. Dairy Sci.* 49(1):115-117. Jan.1966. 44.8 J822
- 60814 HEINEMANN, B., and WILLIAMS, R. Inactivation of nisin by pancreatin. *J. Dairy Sci.* 49 (3):312-314. Ref. Mar.1966. 44.8 J822 Effects on intestinal flora.
- 60815 HUNTER, A. C. Lipolysis in raw milk in North-East Scotland. *Dairy Indus.* 31(4):277-279. Ref. Apr.1966. 44.8 D1427
- 60816 JOHNS, C. K. A new approach in evaluating sanitary milk production. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Milk Supplies Sect.:8-14. Ref. 1965. 44.9 In8
- 60817 KARTASHOVA, V. M., and ARKHANGEL'SKII, I. I. Quick methods for analysis of milk from brucella-infected cows. (Rus) *Veterinariya* 10: 92-93. Oct.1965. 41.8 V6426
- 60818 KIERMEIER, F., TALEBAN, H., and PROBST, A. Use of the amido black method for a rapid determination of total and whey protein in milk. (Ge) *Milchwissenschaft* 21(3):151-155. Ref. Mar.1966. 44.8 M5933 English summary.
- 60819 KNITTEL, M. D. Genetic homology and exchange in lactic acid streptococci. *Diss. Abs.* 26(9):4968-4969. Mar.1966. 241.8 M58 In the dairy industry.
- 60820 LANGLER, J. E., and DAY, E. A. Quantitative analysis of the major free fatty acids in Swiss cheese. *J. Dairy Sci.* 49(1):91-93. Jan.1966. 44.8 J822
- 60821 LENGAUER, E. Experiences with the preservation of milk samples by means of formalin and sublimate for colorimetric protein determination with amido-black. (Ge) *Milchwissenschaften* 21(3):146-151. Mar.1966. 44.8 M5933 English summary.
- 60822 LHUISSIER, M., and BIETTE, E. Enzymatic liberation of the lysine in powdered milk obtained by pulverisation. (Fr) *Ann. Technol. Agr.* 14(1):15-22. 1965. 14 F8499An English summary.
- 60823 LIMMER, H. D. Modified small plate method for bacteriological control of raw milk. (Ge) *Molk.-Kaserei-Zeitung* 16(42):1581-1584. Ref. Oct.20,1965. 44.8 M736
- 60824 MAUBOIS, J. L., BOUILLANNE, C., and NISTCHKE, B. Chromatography of whey proteins of ewe's milk. (Fr) *Lait* 46(451/452): 39-50. Ref. Jan./Feb.1966. 44.8 L143 English summary.
- 60825 MCCAFFREY, J. C. Cost analysis of the Milk Laboratory Approval Program in Illinois. *J. Milk Food Technol.* 29(4):115-117. Apr.1966. 44.8 J824
- 60826 MICHON, G., DREUILLE, M. DE, and MICHON, G. Content of radium 226 in milk in France, I-II. (Fr) *Lait* 46(451/452):33-39, map. Jan./Feb.1966. 44.8 L143 Radioactive contamination.
- 60827 MORGAN, M. E., and others. Identity of additional aroma constituents in milk cultures of *Streptococcus lactis* var. *maltigenes*. *J. Dairy Sci.* 49(1):15-18. Ref. Jan.1966. 44.8 J822 R. C. Lindsay, L. M. Libbey, and R. L. Pereira, joint authors.
- 60828 MOSS, C. W., and SPECK, M. L. Identification of nutritional components in trypticase responsible for recovery of *Escherichia coli* injured by freezing. *J. Bacteriol.* 91(3):1098-1104. Ref. Mar.1966. 44.8 J82 Isolated from milk.
- 60829 MOSS, C. W., and SPECK, M. L. Release of biologically active peptides from *Escherichia coli* at subzero temperatures. *J. Bacteriol.* 91 (3):1105-1111. Ref. Mar.1966. 44.8 J82 Isolated from milk.
- 60830 MROWETZ, G. Determination of moisture content of powdered dairy products on aluminum foils. (Ge) *Milchwissenschaft* 21(3): 140-142. Mar.1966. 44.8 M5933 English summary.
- 60831 MURRAY, J. G. The occurrence of *Staphylococcus aureus* in dairy products. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:473-478. Ref. 1962, pub.1965. TP368.15
- 60832 MURTHY, G. K. Temperature effects on exchange reactions of amberlite IR-120 with calcium, magnesium, potassium, and sodium in mixtures and cationic composition of resin-treated milk. *J. Dairy Sci.* 49(3):249-253. Mar.1966. 44.8 J822
- 60833 NASS, W. Lifetime study of *Shigella flexneri* and *Shigella sonnei* in artificially infected milk and milk products. (Ge) *Arch. Hyg. Bakteriologie* 149(7/8):635-642. Ref. Dec.1965. 44.8 Ar2 English summary.
- 60834 NEFF, E. Nomograph simplifies calculations in solids-not-fat testing. *Dairyfarming Dig.* 13(1):40. Jan./Feb.1965. 44.8 D1443
- 60835 NEFF, E. Various quality tests for raw milk supplies. *J. Agr. [Melbourne]* 64(2):73-80. Feb.1966. 23 V66J
- 60836 NG, W. C., and BRUNNER, J. R. Preparative-scale electrophoresis on acrylamide gel. *J. Dairy Sci.* 49(1):96-98. Jan.1966. 44.8 J822 Milk proteins.
- 60837 NOVELLO, J. C. The influence of copper and iron in the development of storage defects in butter. (Af) *Dairy Indus. J. Southern Afr.* 6 (1):25,27,29,31-33,35-37. Ref. Jan./Mar. 1966. 44.8 D1428 Literature review. Includes discussion.
- 60838 OHRI, S. P., and SLATTER, W. L. The quality of raw milk from selected Ohio markets. II. Bacteriological enumeration by four methods. *J. Milk Food Technol.* 29(4):118-121. Apr. 1966. 44.8 J824

- 60839 PALLAVICINI, C., and BOLCATO, V. The first step in the proteolysis of casein in Parmesan and Pecorino cheese as revealed by histochemical means. *Milchwissenschaft* 21 (3):143-145. Mar.1966. 44.8 M5933
- 60840 PETERSON, K. J., and BODYFELT, F. Questions and answers about leukocytes in milk. PNW (Pacific Northwest Coop. Ext.) Bull. 70, 6 p.-folder. June 1965. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.
- 60841 PHILPOT, W. N. Identification of *Staphylococcus aureus* from the bovine udder by the fluorescent antibody technique. *Diss. Abs.* 26(3): 1292-1293. Sept.1965. 241.8 M58
For detecting the bacterium in mastitic milk.
- 60842 PINO, N., and CHIOFALO, L. On the value of the study of the covariation between viscosity and superficial pressure of milk sterilized and analyzed during a whole year of storage. (Fr) *Lait* 46(451/452):17-32. Ref. Jan./Feb.1966. 44.8 L143
English summary.
- 60843 RANDOLPH, H. E., and GOULD, I. A. Effect of the inherent properties of milk on production of acid by selected lactic cultures. *J. Dairy Sci.* 49(3):254-258. Ref. Mar.1966. 44.8 J822
- 60844 ROBERTSON, N. H. Certain aspects of heat stability with special reference to the influence of milk salts. (Af) *Dairy Indus. J. Southern Afr.* 6(1):38-43. Ref. Jan./Mar.1966. 44.8 D1428
Includes discussion.
- 60845 RUTTIMANN, G. Investigations on the influence of the cell content in milk on the development of bacteria. (Ge) *Schweiz. Landwirt. Forsch.* 4(4):285-343. Ref. 1965. 17 Sch99
English summary.
- 60846 SEARLETT, C. A. Milk testing—and sterilizing agents. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(3):131-132. Mar.1966. 10 G79J
- 60847 SINGH, B. Factors effecting milk leucocyte activity. *Diss. Abs.* 26(9):4972-4973. Mar. 1966. 241.8 M58
Bacterial counts.
- 60848 STADHOUDERS, J., and MOL, J. J. Mould growth and gas production in packed cheese. (Du) *Ned. Melk- Zuiveltijdschr.* 19(4):306-326. Ref. Oct./Dec.1965. 44.8 N283
Text also in English
Carbon dioxide.
- 60849 STINE, C. M., and HEDRICK, T. I. The quality control lab. *Ice Cream Field Trade J.* 148(7): 50-51. Apr.1966. 389.8 Ic2
Dairy products and ice cream analysis.
- 60850 VOISEY, P. W., and EMMONS, D. B. Modification of the curd firmness test for Cottage cheese. *J. Dairy Sci.* 49(1):93-96. Jan.1966. 44.8 J822
- 60851 VON RUDEN, K. L., and OLSON, N. F. Media for enumerating *Staphylococcus aureus* treated with hydrogen peroxide in milk. *J. Milk Food Technol.* 29(3):77-80. Mar.1966. 44.8 J824
- 60852 WALSTRA, P. Turbidimetric determination of the fat content of milk. *Ned. Melk- Zuiveltijdschr.* 19(4):266-282. Ref. Oct./Dec.1965. 44.8 N283
- 60853 WHITE, J. C. Projected revisions from the 11th edition of Standard Methods for the examination of dairy products. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Lab. Sect.:4-8. 1965. 44.9 In8
Tests.
- 60854 YIP, G., and NEY, R. E. Analysis of 2,4-D residues in milk and forage. *Weeds* 14(2):167-170. Ref. Apr.1966. 79.8 W41
- 60855 CANADA. BUR. OF STATISTICS. Dairy factories, 1963. Ottawa, 1966. 29 p. 44.9 C167
Text also in French.
Includes raw materials consumption.
- 60856 DOSCHER, F. K. Cottage cheese—rousing the dairy giant. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Sales Adver. Sect.:4-15. 1965. 44.9 In8
Consumption.
- 60857 FINNEGAN, E. J., and SHEURING, J. J. Consumer preferences for sugar levels in ice cream. *Ice Cream Field Trade J.* 148(2):32-34,36. Nov.1965. 389.8 Ic2
- 60858 LISKA, B. J., and HEMPENIUS, W. L. Consumer preference studies on creamed Cottage cheese. *Amer. Dairy Rev.* 28(5):46-47,50,52. May 1966. 44.8 Am38
- 60859 MAGLEBY, R. S. Factors associated with use of two per cent butterfat milk among Pittsburgh households. *Diss. Abs.* 26(8):4295. Feb.1966. 241.8 M58
- 60860 MCDIVITT, M., and LOWSMA, W. Consumer reaction to a sterilized milk concentrate. *Food Technol.* 20(4):163-166. Apr.1966. 389.8 F7398
- 60861 MEIHUIZEN, S. W. Recent development on the consumer milk market. (Du) *Ned. Zuivelbond. Off. Orgaan* 57(27):563-564. July 7,1965. 44.9 AL3
- 60862 MULDER, T. The dairy industry and the food supply. (Du) *Misset's "Zuivel"* 71(13):272-273. Mar.30,1965. 44.8 N282
Consumption of dairy products in the Netherlands.

Distribution, Marketing, and Transportation

- 60863 BAART, F. The place of collective advertising in the dairy industry. (Du) *Misset's "Zuivel"* 71(13):275,277,279,281. Mar.30,1965. 44.8 N282
- 60864 BABB, E. M. Mobility of milk: economic aspects. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Milk Supplies Sect.:40-45. 1965. 44.9 In8
- 60865 BERDE, S. Mobility of milk: legal aspects. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Milk Supplies Sect.:31-39. 1965. 44.9 In8
- 60866 CYWINSKI, T. The problems of milk procurement—Poland. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 325:7-10. Dec.17,1964. (JPRS 27,897) 173 J663Ste
Purchasing of milk.
Translation from *Zycie Gospodarcze* 45:8. Nov.1964.
Issued by CFSTI.
- 60867 EL-DAHAB, M. G. EL DIN A. An aggregation procedure for deriving representative firms in estimating supply functions. *Diss. Abs.* 26(8):4290-4291. Feb.1966. 241.8 M58
Linear programming in milk supply analysis.
- 60868 DORY, G. Cooperation in the field spanning theory and practice. (Ge) *Molk.- Kaserei-Zeitung* 16(30):1103-1106. July 28,1965. 44.8 M736
Includes application to the dairy industry.
- 60869 EBERT, H. Un-uniform concepts on the unified milk market in the E.E.C. (Ge) *Molk.- Kaserei-Zeitung* 16(38):1439-1440. Sept.22,1965. 44.8 M736
- 60870 FOREST, H. L. Can handlers influence Federal milk orders. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Milk Supplies Sect.: 14-20. 1965. 44.9 In8
- 60871 FRAMBERGER, M. J., and QUACKENBUSH, G. G. Non-brand advertising can sell milk. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Sales Adver. Sect.:15-23. 1965. 44.9 In8
- 60872 GARDINER, A. C. Get 'em and keep 'em. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Sales Adver. Sect.:33-38. 1965. 44.9 In8
Personnel for marketing.

- 60873 HEIBER, J. Being stationary means going backward; research on an analysis of the E.E.C. milk market. (Ge) Molk.-Zeitung Welt Milch 19(36):1176. Sept.10,1965. 44.8 M735
- 60874 HIBBEN, K. J. Legal effectiveness of long-term milk delivery contracts between cooperative and member. (Ge) Recht Landwirt. 18 (2):32-34. Feb.1966. 30.58 R24
- 60875 HILKER, R. A milk market policy in conformity with the E.E.C. is necessary. (Ge) Raiffeisen-Rundschau 18(4):144-147. Apr.1966. 284.28 R132
- 60876 HONAN, J. E. Look now at the long range. Inter-State Milk Prod. Rev. 46(11):4. Mar. 1966. 280.28 In83
Milk marketing.
- 60877 KAHNT, R. Problems of milk delivery in large cities. (Ge) Molk.-Kaserei-Zeitung 16(32):1159-1160. Aug.11,1965. 44.8 M736
- 60878 LASLEY, F. A. Coordinating fluid milk supplies in the Pittsburgh market. U. S. D. A. Marketing Res. Rep. 746,52 p. Mar.1966. 1 Ag84Mr
Statistics.
- 60879 LEHIGH VALLEY COOPERATIVE FARMERS. Annual report to the stockholders, year ending January 31, 1966. Allentown, 1965. 25 p. 280.29 L52
Dairy co-op.
- 60880 LINDE, F. J. VAN DER. Transportation costs and size of deliveries. II. (Du) Alg. Zuivelbl. 59(6):101,103-105. Mar.21,1966. 44.8 AL32
- 60881 MEIHUIZEN, S. W. Impressions of Italian milk marketing. I. (Du) Ned. Zuivelbond. Off. Orgaan 57(24):495-497. June 16,1965. 44.9 AL3
- 60882 NEITZKE, A. Varying size of processing plants and marketing mergers, with special attention to cooperative marketing structure. (Ge) Molk.-Kaserei-Zeitung 16(26):972-974. June 30,1965. 44.8 M736
- 60883 RADIGAN, A. T. Marketing services for dairy farmers. Agr. Marketing [Washington] 11(3):10. Mar.1966. A280.38 Ag8
Milk.
- 60884 RONNING, P. Should the searchlight be turned on the milkroom? (No) Norsk Landbruk 21:14-15. Oct.22,1965. 11 N8122
Equipment including equipment for bulk handling.
- 60885 ROOF, J. B. Valley of Virginia's [Cooperative Milk Producers Association] new plant another milestone. News Farmer Coop. 32(12):4,17. Mar.1966. 166.2 N47
- 60886 SCHULZ, M. E. Enlarged markets through new dairy products. (Ge) Molk.-Kaserei-Zeitung 16(28):1035-1038,1040. (Cont.) Ref. July 14,1965. 44.8 M736
- 60887 SCHULZ, M. E. Promotion of sales through new dairy products. (Ge) Molk.-Kaserei-Zeitung 16(27):1003-1006. (Cont.) July 7,1965. 44.8 M736
- 60888 SEELEMANN, M. Problems of quality, especially with reference to milk delivery only every other day. (Ge) Molk.-Kaserei-Zeitung 16(29):1075-1076,1078-1079. (Cont.) July 21, 1965. 44.8 M736
- 60889 SPEXARD, P. Consumer milk market in the countries of the E.E.C. (Ge) Molk.-Zeitung Welt Milch 19(40):1324,1326. Oct.8,1965. 44.8 M735
- 60890 SYMPOSIUM ON RETAIL ROUTE. [Proceedings]. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Sales Adver. Sect.:24-32. 1965. 44.9 In8
Moderator: H. F. Zimmerman; panel members: N. Ernest, and H. Fries.
- 60891 TIEFENBACH, K. Use of trunk trucks for milk collecting in Walviertel. (Ge) Osterr. Milchwirt. 20(11):198-199. June 7,1965. 44.8 Os72
- 60892 TIPTON, E. L. The Milk Industry Foundation's Federal milk order policies. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Milk Supplies Sect.:20-30. 1965. 44.9 In8
- 60893 UNION SUISSE DU COMMERCE DE FROMAGE. Report of activity of the Swiss Union of Cheese Commerce on its 51st fiscal year (August 1, 1964-July 31, 1965). (Fr) Schweiz. Milchzeitung 92(19):147-148. Mar.8,1966. 44.8 Sch92
- 60894 VERKINDEREN, A., and BAERE, H. DE. La distribution des produits laitiers en Belgique [Distribution of dairy products in Belgium]. II-III. Brussels. Inst. Econ. Agr. Cah. I.E.A. 38(R-12),40 p.; 39(R-13),34 p. Sept.1965. 281.9 B832
Marketing and prices.
- Grading, Inspection, Standardization, and Quality
- 60895 ALAIS, C. Skim milk in powder; factors influencing its physicochemical quality, nutritive value and hygienic quality. (Fr) Indus. Aliment. Anim. 164:31,33,35-37,39-41,43-45,47-49,51. Ref. Oct.1965. 389.78 In2
- 60896 BAIJENS, J. H. Determination of butter quality by the C.Z.N.Z. (Du) Ned. Zuivelbond. Off. Orgaan 57(30):623-625. July 28,1965. 44.9 AL3
- 60897 BAUMGARTNER, H. The staining of antibiotics for udder treatments. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):250-254. 1965. 389.9 Sw6
To show up in the milk.
- 60898 CAULFIELD, W. J. Defects in the melting quality of ice cream. Ice Cream Field Trade J. 148(3):20. Dec.1965. 389.8 Ic2
- 60899 DENMARK. STATENS FORSOGSMEJERI. Taellet smag i maelk. Oxidized flavour in milk. I. Denmark. Stat. Forsogsmejeri. Beretn. 147, 54 p. Oct.1964. 44.9 D414
English summary.
- 60900 DIPPENNAAR, B. J. Research on the grading of cream by dairy factories. (Af) Dairy Indus. J. Southern Afr. 6(1):5-6,9,11,13,15,17,19,21. Jan./Mar.1966. 44.8 D1428
Includes discussion.
- 60901 FOREST, H. L. One quality standard for all milk—an attainable goal. J. Milk Food Technol. 29(3):81-83. Mar.1966. 44.8 J824
- 60902 FORSS, D. A., and PATTON, S. Flavor of Cheddar cheese. J. Dairy Sci. 49(1):89-91. Ref. Jan.1966. 44.8 J822
- 60903 FRANKE, A. A., and others. Selenium and its relation to oxidized flavor in milk. J. Dairy Sci. 49(1):7-9. Ref. Jan.1966. 44.8 J822
W. L. Dunkley, J. T. Luick, and M. Ronning, joint authors.
- 60904 GREGORY, M. E. Experiences with a ropy milk outbreak. Southern Dairy Prod. J. 78(4):52,54. Apr.1966. 44.8 So83
- 60905 HEMPENIUS, W. L., and others. Analytical taste-panel studies on diacetyl flavor levels in creamed Cottage cheese. Food Technol. 20(3):102-105. Ref. Mar.1966. 389.8 F7398
B. J. Liska, G. Bennett, and H. L. Moore, joint authors.
- 60906 HERMANN, M. M., and LUCH, H. The sanitary quality of milk in South Africa. (Af) Dairy Indus. J. Southern Afr. 5(4):194-202. Oct./Dec.1965. 44.8 D1428
- 60907 HERREID, E. O. New facts concerning the physical, chemical, and storage stability of sterilized milk and cream. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Lab. Sect.:23-29. 1965. 44.9 In8
- 60908 HOBBIER, A. Six years of quality testing for yoghurt. (Ge) Osterr. Milchwirt. 20(13):229-231. July 7,1965. 44.8 Os72
Includes grades.
- 60909 INTERNATIONAL ASSOCIATION OF MILK CONTROL AGENCIES. Twenty-ninth annual meeting, Banff, Alberta, Canada, August 23, 24, 25, 1965. n.p.,1965. 84 p. 280.3449 N212

- 60910 JULIEN, J. P. Quality. (Fr) Quebec Lait. Aliment. 25(3):24. Mar.1966. 44.8 Q3
- 60911 KING, R. L., and others. Current status of pesticide residue work at Maryland. Md. Univ. Nutr. Conf. Feed Manufacturers. Proc. 1966:71-74. 389.9 Un342
R. W. Hemken, M. B. Bush, E. Heinle, and J. W. Lester, joint authors.
Heptachlor epoxide and dieldrin in milk.
- 60912 KLINGMAN, D. L., and others. Residues in the forage and in milk from cows grazing forage treated with esters of 2,4-D. Weeds 14(2):164-167. Apr.1966. 79.8 W41
C. H. Gordon, G. Yip, and H. P. Burchfield, joint authors.
- 60913 KOTTER, L. On the problem whether nitrous oxide used in the preparation of whipping cream is to be considered as "foreign substances" or "technical additive" in the purpose of the Food Law. (Ge) Deut. Lebensmittel-Rundsch. 62(3):69-75. Ref. Mar.1966. 389.8 D482
- 60914 LUCK, H., and HERMANN, M. N. Payment of milk according to its hygienic quality. Dairy Indus. J. Southern Afr. 5(4):203-209. Oct./Dec. 1965. 44.8 D1428
- 60915 LUNDSTEDT, E. Keeping quality of American, fresh, soft cheese varieties. (Da) Nord. Mejeri-Tidsskr. 32(2):39-41. 1966. 44.8 N752
- 60916 MAREE, P. J. H. Practical application for purchasing milk on the basis of its hygienic quality. (Af) Dairy Indus. J. Southern Afr. 5(4):210-212. Oct./Dec.1965. 44.8 D1428
- 60917 MAXCY, R. B. The relationship between residual soil and microbial growth after circulation cleaning. Food Technol. 20(2):123-126. Ref. Feb.1966. 389.8 F7398
In dairy equipment.
- 60918 MROZEK, H. Do chlorine residues harm the cheese-making quality of milk? (Ge) Deut. Molk.-Zeitung 87(11):406-409. Mar.17,1966. 44.8 Su2
- 60919 MUHR, L. Milk measurement in tank trucks. (Ge) Molk.-Kaserei-Zeitung 16(33):1192-1193. Apr.18,1965. 44.8 M736
- 60920 OHRI, S. P., and SLATTER, W. L. The quality of raw milk from selected Ohio markets. I. Flavor. J. Milk Food Technol. 29(3):88-90. Mar.1966. 44.8 J824
- 60921 PANGBORN, R. M., and DUNKLEY, W. L. Sensory discrimination of milk slats, lactose, nondialyzable constituents, and algin gum in milk. J. Dairy Sci. 49(1):1-6. Jan.1966. 44.8 J822
- 60922 POSTHUMUS, G. On the exactness with which one can standardize the fat content of milk. (Du) Ned. Zuivelbond. Off. Orgaan 57(29):607-610. July 21,1965. 44.9 AL3
- 60923 RUFFO, G. Research on the classification of consumer milk. 2. (It) Latte 39(7):513-518. Ref. July 1965. 44.8 L35
- 60924 SAALFELD, H. G. Critical considerations on the new cheese regulation. (Ge) Molk.-Kaserei-Zeitung 16(30):1101-1102,1113. July 28,1965. 44.8 M736
- 60925 SEELEMANN, M. Problems of quality with special reference to every-other-day milk collection. (Ge) Molk.-Kaserei-Zeitung 16(30):1107-1108. (Cont.) July 28,1965. 44.8 M736
- 60926 STEWART, H. F. Factors influencing the levels of cesium-137 secreted in milk. Diss. Abs. 26(3):1739. Sept.1965. 241.8 M58
- 60927 STRAND, A. H., and YSTGAARD, O. M. Butter and cheese quality when manufactured from bulk-tank milk. 1-2. (No) Meieriposten 55(11):221-226; (12):245-253. Mar.19-26,1966. 44.8 M47
English summary.
- 60928 TAYLOR, D. W. Official procedures for farm inspection by plant fieldmen. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Milk Supplies Sect.:4-8. 1965. 44.9 In8
- 60929 TIPPETT, G. Taint in milk. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):51. Feb.1966. 10 G79J
- 60930 TSUGO, T., and others. On the sampling of butter for chemical inspections. (Ja) Food Hyg. Soc. Jap. J. 7(1):39-44. Feb.1966. 389.9 N57
M. Iwaida, A. Nagao, E. Furukawa, N. Kobayashi, T. Hayashi, and T. Kumai, joint authors.
English summary.
- 60931 U. S. FOREIGN AGRICULTURAL SERV. Storage life of dairy products. U. S. Foreign Agr. Serv. FAS-M-172,3 p. Jan.1966. A281.9 F76Fm
- 60932 VAANDRAGER, G. Some aspects of the economics of milk standardization for the manufacture of Gouda cheese. (Af) Dairy Indus. J. Southern Afr. 6(1):44-51. Jan./Mar.1966. 44.8 D1428
Includes discussion.
- 60933 WRIGHT, E. O. Where does that musty, moldy flavor come from? Hoard's Dairyman 111(9):587. May 10,1966. 44.8 H65
In milk.

Packing and Packaging

- 60934 BRISTON, J. H. Plastics—present and future. Dairy Indus. 31(3):198-202. Mar.1966. 44.8 D1427
As dairy product containers.
- 60935 CURIE, R. J. Revitalize home delivery. Amer. Dairy Rev. 28(4):76,78,126-217. Apr.1966. 44.8 Am38
Cost of using new type container for milk delivery.
- 60936 KETZLER, H. Saran foil solves the problem of cheese prepackaging. (Ge) Osterr. Milchwirt. 20(14):247-249. July 21,1965. 44.8 Os72
- 60937 LAUTH, J. P. What is the position of dairy products packaging? (Fr) Tech. Lait., Spec.No.13:16-20. Oct.25,1965. 44.8 Of2
- 60938 LEONHARTSBERGER, E. Cost comparison between two curd packing systems. (Ge) Osterr. Milchwirt. 20(15):265-266. Aug.7,1965. 44.8 Os72
- 60939 MANN, E. J. Packaging of dairy products. 2. Cheese. Dairy Indus. 13(4):292-293. Apr.1966. 44.8 D1427
Includes use of plastic.
- 60940 MUNSTER, W. Weight control in packing. (Ge) Osterr. Milchwirt. 20(14):249-250. July 21,1965. 44.8 Os72
- 60941 PASQUARELLI, O. Importance of polyolefins in fatty foods packaging. (It) Riv. Ital. Sostanze Grasse 43(2):56-59. Feb.1966. 307.8 OL3
English summary.
Pasteurized milk.
- 60942 RISSELADA, T. F. Development, availability, and price of foil as a material for milk packing. (Du) Alg. Zuivelbl. 59(6):111-112. Mar.21,1966. 44.8 AL32
Plastics.
- 60943 RUHNAU, B. Butter packing. (Ge) Molk.-Kaserei-Zeitung 16(27):1010-1011. July 7,1965. 44.8 M736
- 60944 SORBO, S. New packing material for Brunost cheese. (No) Meieriposten 55(11):236-237. Mar.19,1966. 44.8 M47
- 60945 SPETTIGUE, H. T. Have recent packaging changes benefitted the dairy industry? Can. Dairy Ice Cream J. 45(4):27-30. Apr.1966. 44.8 C162
- 60946 SYMPOSIUM AT TOWN MEETING ON MILK PACKAGING. [Proceedings]. Milk Indus. Found. Conv. Proc., 58th Annu. Conv., Sales Adver. Sect.:39-53. 1965. 44.9 In8
Moderator: R. G. Peat; panel members: G. L. Huffman, F. A. Weber, and R. B. Wilhelm.
Paper, plastics and glass materials.
- 60947 WELDON, F. G. Milk silo tanks. Dairy Indus. 31(4):271-273. Apr.1966. 44.8 D1427

- 60948 WINKELMANN, F. Standardization of butter packaging in Germany. (Ge) Molk.-Kaserei-Zeitung 16(27):1011-1012. July 7, 1965. 44.8 M736

Prices, Price Control, and Rationing

- 60949 GRUSHETSKII, L. A. Improving ratio of the purchasing prices for milk, cream and butter. (Rus) Zhivotnovodstvo 2:39-41. Feb. 1966. 49 Z6
- 60950 JOHNSON, S. How milk prices are set. Agway Coop. 2(5):16-17. May 1966. 280.28 Ag9
- 60951 KHMELEV, A. The new purchase and selling prices for milk and cream. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:44-48. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Zakupki Sel'skokhozyaistvennykh Produktov 2:52-53. Feb. 1965.
Issued by CFSTI.
- 60952 SCHELHAAS, H. The new milk price. (Du) Ned. Zuivelbond. Off. Orgaan 58(11):221-223. Mar. 16, 1966. 44.9 AL3

Processing and Storage

- 60953 ALAIS, C. Influence of various processes on the curdling of milk by rennet. (Ge) Molk.-Zeitung Welt Milch 19(35):1147-1148. (Cont.) Sept. 3, 1965. 44.8 M735
- 60954 ALBERTYN, A. A. L. The production of milk free of inhibitory substances with low bacterial count. (Af) Dairy Indus. J. Southern Afr. 6(1): 21, 23-24. Jan./Mar. 1966. 44.8 D1428
Includes discussion.
- 60955 ARBUCKLE, W. S. Relation of freezing and hardening to the body and texture of ice cream. Ice Cream Field Trade J. 148(6):34, 36, 38, 41. 47. Ref. Mar. 1966. 389.8 Ic2
- 60956 BECK, W. Destruction of antibiotics in milk by short-time pasteurization. (Ge) Milchwissenschaft 21(3):155-157. Mar. 1966. 44.8 M5933
English summary.
- 60957 BEHR-NEGENDANCK, C. VON, and THOMSEN, S. W. Lowered quality of delivery milk through physical influences. (Ge) Molk.-Kaserei-Zeitung 16(33):1191-1192. Aug. 18, 1965. 44.8 M736
Handling.
- 60958 BRADLEY, R. L. Spray-drying of natural cheese. Diss. Abs. 26(3):1585. Sept. 1965. 241.8 M58
- 60959 BREIL, J. U.H.T.; pasteurized and sterilized milk. (Fr) Indus. Lait. 230(spec.no.):156-160. Mar. 1966. 44.8 In2
- 60960 BUCHWALD, B. Situation of technology in the deodorization of cream and milk. (Ge) Osterr. Milchwirt. 20(11):199-202. June 7, 1965. 44.8 Os72
- 60961 CAMPHAUSEN, H. Care and handling of plate apparatus and pipes. (Ge) Molk.-Kaserei-Zeitung 16(34):1225-1226, 1228-1229. Aug. 25, 1965. 44.8 M736
Sanitation.
- 60962 CAMUS, A. A dream for a butter manufacturer. (Fr) Tech. Lait., Spec. No. 13:12-13. Oct. 25, 1965. 44.8 Of2
- 60963 CASALIS, J. Heat treatment of milk and its effects on the composition and nutritive value of milk. (Fr) Indus. Lait. 230(spec.no.):149-152, 155. Mar. 1966. 44.8 In2
- 60964 CHARLES H. HOOD DAIRY FOUNDATION. A summary of 1965 activities annual report March, 1966. n. p., 1966. 15 p. 44.9 C38
- 60965 CHRISTENSEN, V. W. Practical observations on control of flavor in Italian cheeses. (Sp) Indus. Lacteos 15(3):14-17, 24. (Cont.) Mar. 1966. 286.85 In83
Manufacture in the United States.

- 60966 CLAESSE, O. Studies on the variation of the rennin coagulation time of milk. Uppsala. Lantbrukshogsk. Ann. 31(3):237-332. Ref. 1965. 104 Up6
- 60967 CLARKE, J. G. Recombined milk products. Dairy Indus. 31(3):187-189. Mar. 1966. 44.8 D1427
- 60968 CONCINI, I. Milk conducting pipes of plastic in Trento. (It) Agricoltura 15(3):68-71. Mar. 1966. 16 Ag8226
- 60969 DEMOTT, B. J., and BURCH, T. A. Influence of storage upon the freezing point of milk. J. Dairy Sci. 49(3):317-318. Mar. 1966. 44.8 J822
- 60970 DENMARK. STATENS FORSOGSMEJERI. 25. årsberetning, Statens Mejeriudvalg og Statens Forsøgsmejeri; virksomheden 1964-65. (25. annual report-activity of Government Research Committee on Dairying and Government Research Institute for Dairy Industry 1964-65). Denmark. Stat. Forsøgsmejeri. Beretn. 154, 80 p. 1965. 44.9 D414
- 60971 DUMONT, P. La coagulation du lait et ses perturbations dues aux laits anormaux [The coagulation of milk and its disturbances due to abnormal milks]. Lyon. Ecole Nat. Vet. These 19, 64 p. Ref. 1965. 41.2 L99
- 60972 EISSES, J. The activities of the Dutch authorities in the establishment of coagulation strength of cheese rennet and the origin of the control method. (Du) Veeteelt Zuivelber. 8 (11):445-451. Ref. Nov. 1965. 49 V51
- 60973 ERHART, G. The importance of processed milk production for the Austrian dairy industry. (Ge) Osterr. Milchwirt. 20(10):170-172. May 21, 1965. 44.8 Os72
- 60974 FOLEY, J. Irish dairy industry needs official control over sterilizers, detergent-sterilizers, and detergents. Irish Agr. Creamery Rev. (n.s.) 19(386):5, 7-8. Feb. 1966. 44.8 C866
- 60975 FRAZEUR, D. R. Lowering mix costs by changing formulations. Ice Cream Field Trade J. 148(2):46-48. Nov. 1965. 389.8 Ic2
Ice cream.
- 60976 GELPI, A. J., ROUCHON, M., and PINERO, E. L. The use of hypochlorite, propionic, acetic, and lactic acids in the wash water of Cottage cheese as a means of improving its commercial life. (Sp) Indus. Leche. 47(555):292, 294-295. (Concl.) Oct. 1965. 44.8 In26
- 60977 GEYER, J., HEDRICK, T. I., and HALL, C. W. Ice cream and other frozen desserts in the USA. 2. Equipment, ingredients, processing, costs. Dairy Indus. 31(3):190-195. Ref. Mar. 1966. 44.8 D1427
- 60978 GUSSEK, K. W. Improvement of butter consistency. (Ge) Molk.-Zeitung Welt Milch 20 (7):189-196. Feb. 18, 1966. 44.8 M735
- 60979 HARBIN, C. A. Having problems with mix? Ice Cream Rev. 49(9):28, 30. Apr. 1966. 389.8 Ic22
- 60980 HEYL, A. D. Interesting engineering aspects of the European dairy industry. (Af) Dairy Indus. J. Southern Afr. 6(1):51-56. Jan./Mar. 1966. 44.8 D1428
- 60981 HILLS, G. L., and BROWN, B. M. Dairy research in Australia, 1957-1965. 1. Dairy Sci. Abs. 28(4):163-174. Ref., p. 170-174. Apr. 1966. 241 Im76
Literature review.
- 60982 HOLLAND, R. F. The chemistry of water—why it preforms as it does. Amer. Dairy Rev. 28(5):56-57, 11-112. May 1966. 44.8 Am38
- 60983 HOLST, W. Germany's dairy industry. 2. Liquid milk and cream. Dairy Indus. 31(4):274-276. Apr. 1966. 44.8 D1427
Includes manufacture of other dairy products.

- 60984 INTERNATIONAL ASSOCIATION OF MILK, FOOD AND ENVIRONMENTAL SANITARIANS. 3-A accepted practices for permanently installed sanitary product-pipelines and cleaning systems. *J. Milk Food Technol.* 29(3):95-99. Mar.1966. 44.8 J824
U. S. Public Health Service and Dairy Industry Committee, cooperating.
- 60985 JANOSCHEK, A. Time-temperature correlation and the effects of sterilization, especially in milk. (Ge) *Molk.-Zeitung Welt Milch* 19(40):1317-1319. Oct.8,1965. 44.8 M735
- 60986 JUHREND, E. Pallet and unitized systems. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Plant Sect.:11-17. 1965. 44.9 In8
Milk plant equipment.
- 60987 KEENAN, T. W., and others. Acetaldehyde production by single-strain lactic streptococci. *J. Dairy Sci.* 49(1):10-14. Ref. Jan.1966. 44.8 J822
R. C. Lindsay, M. E. Morgan, and E. A. Day, joint authors.
Responsible for defect in starters.
- 60988 KOERVER, C. Stabilizers for HTST processing. *Ice Cream Rev.* 49(9):24-26. Apr.1966. 389.8 Ic22
- 60989 KUGENEV, P. V. Pervichnaya obrabotka moloka na fermakh [Primary processing of milk on farms]. Moskva, Rossel'khozizdat, 1964. 158 p. S259.K8
- 60990 LAZAR, J. T. Low fat milk: using the vacuum pasteurizer to increase the solids-not-fat content. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Plant Sect.:39-49. 1965. 44.9 In8
- 60991 LEHMANN, F. Market consequences of changes in milk plant structure. (Ge) *Molk.-Kaserei-Zeitung* 16(36):1296-1297, 1299-1300, 1302. Sept.8,1965. 44.8 M736
Costs and prices.
- 60992 LOLKEMA, H. Various aspects of the practice of milk processing. (Du) *Misset's "Zuivel"* 71(13):282-283,285,287. Mar.30,1965. 44.8 N282
- 60993 LOO, L. G. W. VAN DER. The preparation of yoghurt with fruit flavor and yoghurt with fruit. III. (Du) *Misset's "Zuivel"* 72(10):199,201-203. Ref. Mar.8,1966. 44.8 N282
- 60994 MAIR-WALDBURG, H. Dairy research methods in the area of the E.E.C. (Ge) *Deut. Molk.-Zeitung* 87(11):403-406. Mar.17,1966. 44.8 Su2
- 60995 MANDHARE, K. S. The effect of starter quantity and make procedure on Cheddar cheese flavor as measured organoleptically for acceptability and chromatographically for steam distillate fatty acids. *Diss. Abs.* 26(9):4919. Mar.1966. 241.8 M58
- 60996 MORRISSEY, P. A. Some factors affecting the rennet clotting properties of milk. *Irish Agr. Creamery Rev.* (n.s.)19(387):19-22. Ref. Mar. 1966. 44.8 C866
In cheese manufacture.
- 60997 NIELSEN, V. H. Increase dry buttermilk output. *Amer. Dairy Rev.* 28(5):62,64,112-113. May 1966. 44.8 Am38
- 60998 O'CONNOR, F. Ultra-high-temperature processing of milk. *Irish Agr. Creamery Rev.* (n.s.)19(387):16-18. Mar.1966. 44.8 C866
Reduces *Bacillus stearothermophilus*.
- 60999 PEARSON, A. M. Observations on sweeteners in ice cream. *Ice Cream Field Trade J.* 148 (6):48-49,51. Mar.1966. 389.8 Ic2
- 61000 PETTE, J. W. The importance of research to the future of the dairy industry. (Du) *Misset's "Zuivel"* 71(13):268-269,271. Mar.30,1965. 44.8 N282
- 61001 PINEIRO, E. L. Effects of freezing on the count of bacteria in dairy products. (Sp) *Indus. Leche.* 47(556/557):314,316-317,319-320. Ref. Nov./Dec.1965. 44.8 In26
- 61002 PRICE, W. V., OLSON, N. F., and GRIMSTAD, A. Vacuum treatments of cheese. *Wis. Agr. Exp. Sta. Spec. Bull.* 10,14 p. Dec.1965. 100 W75
Cheddar cheese.
- 61003 ROEPER, J. Technical position of the Netherlands dairy industry. (Ge) *Molk.-Zeitung Welt Milch* 19(41):1348-1349. Oct.15,1965. 44.8 M735
- 61004 SALERNO, A., and BERGONZINI, E. Investigations on the best use of sheep milk. (It) *Ann. Sperim. Agr.* (n.s.)17(5/6):643-661. 1963, pub.1965. 16 An76
English summary.
Cheese manufacture.
- 61005 SCHRICKER, A. C. Cutting costs with in-floor conveyors. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Plant Sect.:4-11. 1965. 44.9 In8
Handling.
- 61006 SCHROTER, A. 3 years of practical service in dairying hygiene. (Ge) *Monatsh. Veterinar-med.* 21(1):4-7. Ref. Jan.1,1966. 41.8 M742
English summary.
- 61007 SCHULZ, M. E., and HOFMANN, F. Technical innovations in the Burgdorf butter factory. (Ge) *Milchwissenschaft* 21(3):133-137. Mar. 1966. 44.8 M5933
English summary.
- 61008 SMITH, T. W. Bulk milk handling at Kenilworth. *Queensland Agr. J.* 92(2):94-98. Feb. 1966. 23 Q33
- 61009 SOMMERFELT, O. Formula for the calculation of the ingredients in Brunost cheese production. (No) *Meieriposten* 55(11):228-229. Mar.19, 1966. 44.8 M47
- 61010 STEL, G. H. Review of the research work carried out in 1964 by the Netherlands Institute for Dairy Research [Nederlands Instituut voor Zuivelonderzoek]. (Du) *Ned. Zuivelbond. Off. Orgaan* 57(30):629-632. July 28,1965. 44.9 AL3
- 61011 STILES, M. E. The uses and limitations of chemical sterilizers in the achievement of high quality dairy products. *Dairy Indus. J. Southern Afr.* 5(4):213-219. Ref. Oct./Dec. 1965. 44.8 D1428
- 61012 STRAND, A. H., and YSTGAARD, O. M. Butter and cheese quality when manufactured from bulk-tank milk. (No) *Meieriposten* 55(13):268-271. (Concl.) Ref. Apr.2,1966. 44.8 M47
- 61013 SYNNOTT, E. C. Milk waste in the dairy industry--its effects and reduction. *Irish Agr. Creamery Rev.* (n.s.)19(386):15-20. Ref. Feb. 1966. 44.8 C866
- 61014 VELTEN, J. Efficiency in Camembert manufacture through the PTM equipment. (Ge) *Molk.-Kaserei-Zeitung* 16(32):1167-1171. Aug.11,1965. 44.8 M736
- 61015 VERINGA, H. A. Sterilization of milk with ionizing rays. (Du) *Ned. Zuivelbond. Off. Orgaan* 58(11):235-238. Mar.16,1966. 44.9 AL3
Literative review.
- 61016 WAUSCHKUHN, B. Considerations on killing of bacteria with short-time sterilization of milk in the practical dairy. (Ge) *Molk.-Kaserei-Zeitung* 16(40):1499-1500,1503-1504,1506. Ref. Oct.6,1965. 44.8 M736
- 61017 WEISSENBERG, H. Ultra-high heating test of milk and dairy products. (Ge) *Deut. Molk.-Zeitung* 87(10):366-370. Mar.10,1966. 44.8 Su2
- 61018 WEISSER, H., and NEUHAUSER, S. Influence of preservation processes and packing on the keeping quality of consumer milk. I. (Ge) *Verpackungs-Rundschau* 17(4):440,443-444,446, 448. Apr.1966. 280.38 V592
- 61019 WHITTLESTONE, W. G., and TWOMEY, A. New testing system for dairy detergents will bring protection to farmers. *New Zeal. J. Agr.* 112(2):50-51,53,55. Feb.1966. 23 N48J

- 61020 WILLIAMSON, W. Frozen concentrated starter cultures. *Milk Indus. Found. Conv. Proc.*, 58th Annu. Conv., Lab. Sect.:18-23. 1965. 44.9 In8
- 61021 WOODSON, J. T., and GREER, J. W. What's new in ice cream hardening. *Ice Cream Rev.* 49(8):24-25,27. Mar.1966. 389.8 Ic22
- 61022 WYBO, B. Economic and technical aspects in cold storage of dairy products. (Fr) *Indus. Lait.* 230(spec.no.):171-174. Mar.1966. 44.8 In2
- 61023 ZAGT, R. Disinfection possibilities with an iodophor preparation in the dairy industry. II. (Du) *Misset's "Zuivel"* 71(29):648-649, 651. Ref. July 20,1965. 44.8 N282

Statistics

- 61024 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California dairy industry statistics for 1963; manufactured dairy products, milk production, utilization and prices. Sacramento, 1964? 74 p. 281.3449 C122
California Bureau of Agricultural Statistics and U. S. Department of Agriculture Statistical Reporting Service, cooperating.
- 61025 CANADA. BUR. OF STATISTICS. Dairy factories, 1962. Ottawa, 1965. 83 p. 44.9 C167
Text also in French.
- 61026 FISCHER, H. Development of dairy production, 1954-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 391:9-18. Sept.16,1965. (JPRS 32,021; TT 65-32515) 173 J663Ste
Milk, butter, cheese statistics.
Translation from *Die Lebensmittel Industrie* 8:301-304. Aug.1965.
Issued by CFSTI.
- 61027 FROGET. The production of goat's milk. (Fr) *Tech. Lait.* 3(spec.no.1):20-25. Mar.4,1966. 44.8 Of2
Statistical.
- 61028 HARTL, H. Diagram balance 1964. (Ge) *Osterr. Milchwirt.* 20(13):232-235. July 7, 1965. 44.8 Os72
Dairy products statistics.
- 61029 KROMER, G. W. Butter and lard: factors associated with the current downturn in production. U. S. D. A. Econ. Res. Serv. FOS-232; 24-31. Mar.1966. 1.9 Ec752F
Statistics.
- 61030 SVENSKA MEJERIERNAS RIKSFORENING. EKONOMIAVDELNINGEN. Driftsstatistik for svenska mejerier [Operation statistics for Swedish milk plants]. XXXII. 1964. Halsingborg, 1966. 63 p. 281.3449 Sv2
- 61031 VRIES, D. Production and consumption aspects of the milk stream in West Europe. (Du) *Misset's "Zuivel"* 71(13):265,267. Mar.30,1965. 44.8 N282

FEED AND FORAGE CROPS

- 61032 AMARIGLIO, S. Contribution to the study of research methods on dextrose in dried milk and milk mixtures for animal feeding. (Fr) *Lait* 46(451/452):11-16. Jan./Feb.1966. 44.8 L143
English summary.
- 61033 BALK, W. A. Factors affecting pellet mill performance with Coastal Bermudagrass. *Amer. Soc. Agr. Eng. Pap.* 109,14 p. 1965. 290.9 Am32P
- 61034 BEESTON, N. The feed industry; an expanding market. *Agr. Merchant* 45(11):43-44,46,52. Nov.1965. 10 Ag89
Great Britain.
- 61035 BOGOYAVLENSKAYA, L. A. Profitable production of grass meal. (Rus) *Zhivotnovodstvo* 3:74-76. Mar.1966. 49 Z6
Costs chiefly.
- 61036 BUYS, J., and PESCH, W. A. News of the Salmonella front. (Du) *Molenaar Weekbl.* 69(13): 363. Mar.29,1966. 298.8 M732
In feed milling.

- 61037 BYERS, G. L., and ROUTLEY, D. G. Alfalfa drying—overcoming natural barriers. *Amer. Soc. Agr. Eng. Pap.* 105,6 p. 1965. 290.9 Am32P
- 61038 CANADA. BUR. OF STATISTICS. Feed manufacturers, 1963. Ottawa, 1966. 18 p. (Annual Census of Manufactures) 253 C335F
- 61039 CHAPLIN, J. Developments in feed milling. *Milling* 146(14):341-342,344. Apr.8,1966. 298.8 M622
- 61040 CLOUGH, M. Major factors influencing high-protein feed prices. U. S. D. A. Econ. Res. Serv. *Feed Situation FdS*-213:26-32. Apr.1966. 1.941 S8F32
- 61041 COSTA, M. J. D. S., FOLGADO, J. DOS S. C., and GUERRA, J. G. Methods of analyzing live-stock feeds. I. (Por) *Agros [Lisboa]* 48(1/2):7-25. Jan./Apr.1965. 15.5 Ag82
- 61042 DELAHAYE, F. Use of analogical calculators for the preparation of compound feeds. (Fr) *Indus. Aliment. Anim.* 164:52-53,55-57,59-60. Oct.1965. 389.78 In2
- 61043 DENMARK. STATENS FODERSTOFKONTROL. 39. beretning [39th report of the Government Feed Control], by J. Gredsted Andersen and Herald M. Petersen, 1964/1965. Lyngby, 1965. 326 p.,map. 389.79 C79
- 61044 DEVUYST, A., and others. Introduction to the analytical study of the volatile fraction of silage by gas liquid chromatography. (Fr) *Agricultura [Louvain] (ser.2)*14(1):111-137. Mar.1966. 13 R32
M. Vanbelle, W. Vervack, R. Arnould, and A. Moreels, joint authors.
English summary.
- 61045 DISTILLERS FEED CONFERENCE. Proceedings, March 9, 1966. *Distill. Feed Res. Council. Conf. Proc.* 21,77 p. Ref. Mar.9,1966. 389.79 C765
Sponsored by the Distillers Feed Research Council.
- 61046 ELDER, J. K., and SIMMONS, G. C. Examination of Queensland stock feeds and fertilizers of animal origin for Salmonella. *Queensland J. Agr. Anim. Sci.* 22(3):291-330,map. Ref. Sept.1965. 23 Q37
- 61047 FANTI, O. D. I. Agricultural and industrial wastes and residues. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 214:46-51. Oct.1965. 9 Id3
Use to produce feed yeasts and fermentation for fertilizers.
- 61048 THE FEED Bag red book; reference book of the feed industry; buyers guide for 1966. Milwaukee, 1966. 226 p. Ref. 389.78 F322
- 61049 FRITSCH, E. Technical precision as modern basic concept. (Ge) *Mullerei* 18(36):564-566. Sept.4,1965. 298.8 M91
Feed milling.
- 61050 GEOFFROY, R. Specialization in the feed industry. (Fr) *Tech. Meun.* 106:3-4. Mar./Apr. 1966. 298.8 T22
- 61051 GEUE, K. Dust in the feed mill. (Ge) *Muhle* 102(24):445-446. (Cont.) June 17,1965. 298.8 M89
- 61052 GUSTAFSON, B. W., and DEBUHR, H. E. John Deere "400" hay cuber. *Amer. Soc. Agr. Eng. Pap.* 639,19 p. 1965. 290.9 Am32P
- 61053 HAYES, V. Solution for a dust problem. *Feed Age* 16(4):19,40. Apr.1966. 389.78 F327
- 61054 HOCQUELLET, P., and DANGOU MAU, N. Determination of antibiotics in animal feeds. I. Case of tetracyclines. (Fr) *Indus. Aliment. Anim.* 168:25-27,29-31,35,37-39. Feb.1966. 389.78 In2
- 61055 HOLLIGER, A. Determination of the digestibility of proteins. (Ge) *Muhle* 102(47):910,913. Nov.25,1965. 298.8 M89
Feed.

- 61056 K NAPSTEIN, H. Determination and estimation of Furoxone in the presence of other coccidiosis in feeds. (Ge) Z. Anal. Chem. 217(3): 181-188. 1966. 384 Z3
English summary.
- 61057 LOCUSSOL, L. The "finished products" post in compound feed factories. (Fr) Inform. Doc. Agr. 19(11):55-57,59. June 1, 1965. 14 In32
- 61058 LOPEZ BENITO, M. Fish byproducts: fish solubles. (Sp) Indus. Conserv. 32(319):13-15. (Cont.) Jan. 1966. 389.8 In24
Manufacture and nutritive value.
- 61059 LOTT, A., NASSAL, J., and ENGLERT, H. K. Bacteriological and heat-engineering results in the utilisation of food wastes for animal feeding. (Ge) Fleischwirtschaft 45(4):309-317. Apr. 1965. 280.38 F62
English summary.
- 61060 LOUIS, R. Estimation and determination of antibiotics in feeds. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):244-249. 1965. 389.9 Sw6
- 61061 MARAZ, J. The necessity of mixed feed production and methods for measuring the economy of utilization. (Hu) Malomipar Termenyforgalom 13(1):1-8. Ref. Jan./Feb. 1966. 298.8 M292
- 61062 MARAZ, J. New system of mixed feed marketing. (Hu) Malomipar Termenyforgalom 12(2): 37-39. Feb. 1965. 298.8 M292
- 61063 MOORE, L. Methods of sampling feed for laboratory analysis. Ariz. Univ. Ext. Folder 119,7 p. Dec. 1965. 275.29 Ar42Ext
To determination pesticide content.
- 61064 NELSON, L. F. Spontaneous heating and nutrient retention of baled alfalfa hay during storage. Amer. Soc. Agr. Eng. Pap. 835, 13 p. Ref. 1965. 290.9 Am32P
- 61065 NORWAY. STATENS LANDBRUKSKJEMISKE KONTROLLSTASJON I TRONDHEIM. Melding ved Ulf Wirum [Report by the State Agricultural Chemical Control Station in Trondheim, by Ulf Wirum]. Orkanger, 1966. 7 p. 385 T75
Feed and fertilizer inspection.
- 61066 OLSON, G. Studies of the tocopherol-depressing factor(s) in alfalfa lipids. Diss. Abs. 26 (9):5015-5016. Mar. 1966. 241.8 M58
- 61067 PISARSKI, G. The principles for fodder sales require verification. Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:1-6. Dec. 17, 1964. (JPRS 27,897) 173 J663Ste
Translation from Zycie Gospodarcze 45:3. Nov. 1964.
Issued by CFSTI.
- 61068 POUNDSTONE, B. How to label feeds. Distill. Feed Res. Counc. Conf. Proc. 21:5-10. Ref. Mar. 9, 1966. 389.79 C765
- 61069 REECE, F. N. Temperature, pressure, and time relationships in forming dense hay wafers. Amer. Soc. Agr. Eng. Pap. 638, 21 p. Ref. 1965. 290.9 Am32P
- 61070 RESTORI, R. Analysis of time and method of processing in feed production. (It) Tec. Molitoria 16(16):101-106. Aug. 30, 1965. 298.8 Se42
- 61071 SHARON, J. Have protein tested before you mix feed. Doane's Agr. Rep. 29(11):8-11. Apr. 8, 1966. 281.8 D652
- 61072 STAFFORD, J. H. A production planning and inventory control system for feed manufacturers. Diss. Abs. 26(3):1394. Sept. 1965. 241.8 M58
- 61073 STEENBERGEN, T. VAN. Grass yields in 1953. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):317-323. June 1965. 12 N383M
- 61074 VIK-MO, L. Trends in the development of artificial drying of grass in Western Europe. (No) Tidsskr. Norske Landbruk 72(10):279-313. Ref. 1965. 11 T433
English summary.
- 61075 WALDVOGEL, K. 50 years of the Association of Swiss Hay Trade Firms [Verband Schweizerischer Heuhandelsfirmen]. (Ge) Grune 93(36): 1246-1250. Sept. 3, 1965. 17 Sch9
- 61076 WHITNEY, L. F., and HALL, C. W. Design parameters for fluidized drying of alfalfa leaves. Amer. Soc. Agr. Eng. Pap. 925, 13 p. Ref. 1965. 290.9 Am32P
- 61077 WORNICK, R. C. Mixing problems in feed manufacture. 2. Feeds Illus. 17(4):35-37. Apr. 1966. 389.78 F326
- 61078 YEH, T. P. Studies on the physico-chemical properties of feeds. (Ch) Chinese Agr. Chem. Soc. J. 3(3/4):97-101. Oct. 1965. 385 C47
English summary.
Swine feed.

FIBERS AND TEXTILES

- 61079 AKINOLA, R. A. Factors affecting the location of a textile industry—the example of the Ikeja textile mill. Nigerian J. Econ. Soc. Stud. 7(3):245-256, map. Nov. 1965. 280.8 N56
- 61080 ALMEIDA, A. H. DE. Comment on the development of the cotton textile industry in 1964; present trends. (Por) Port. Comis. Reguladora Com. Algodao Rama. Bol. 16:IX-XXIII. Dec. 1965. 264 AL3
Includes data on cotton fiber production, consumption, and prices.
- 61081 AMERICAN SOCIETY FOR QUALITY CONTROL. TEXTILE AND NEEDLE TRADES DIV. [Abstracts]. Textile Bull. 92(4):58-60, 62-64, 66-67. Apr. 1966. 304.8 So82
Papers presented at the 16th annual conference in February in Atlanta.
- 61082 ANDREWS, W. B. The 1966 cotton program. Chem. Farming 8(2), 14 p. Spring 1966. 57.8 C422
- 61083 ANVAROV, M. Fine-fibered cotton in the Northern Tadzhikistan. (Rus) Sel'skoe Khoz. Tadzh. 10:20-21. Oct. 1965. 20 Se494
Acreage, costs and yields.
- 61084 ASOCIACION DE INVESTIGACION TEXTIL ALGODONERA. Comparative study of various cotton spinning processes. 2. (Sp) Invest. Inform. Textil 9(1):19-25. Ref. Jan./Mar. 1966. 304.8 In84
- 61085 ASSOCIAZIONE COTONIERA ITALIANA. Statistiche cotoniere, anno 1964 [Cotton statistics, 1964]. Milano, 1965. 85 p. 286.82 St22
- 61086 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. WOOL RESEARCH LABORATORIES. Annual report, 1964-65. Melbourne, 1965. 58 p. 304.9 Au733
- 61087 BAIERL, T. Clothes and children. Minn. Univ. Ext. Ext. Pam. 213, 6 p.-folder. Feb. 1966. 275.29 M66P
- 61088 BAIERL, T. Clothes and money. Minn. Univ. Ext. Ext. Pam. 212, 6 p.-folder. Feb. 1966. 275.29 M66P
- 61089 BAIERL, T. Clothes and teens. Minn. Univ. Ext. Ext. Pam. 214, 6 p.-folder. Feb. 1966. 275.29 M66P
- 61090 BAIERL, T. Clothes, today and tomorrow. Minn. Univ. Ext. Ext. Pam. 215, 6 p.-folder. Feb. 1966. 275.29 M66P
- 61091 BARAHONA BARCINA, L. Let's talk about cotton! (Sp) Agricultural [Madrid] 35(406):74-76. Feb. 1966. 15 Ag84
- 61092 BARELLA, A., and SUST, A. Cohesion phenomena in cotton rovings and yarns. V. Cohesion of twisted rovings, its effects on yarn properties. (Sp) Invest. Inform. Textil 9(1):3-12. Ref. Jan./Mar. 1966. 304.8 In84
English summary.
- 61093 BENERITO, R. R., MCKELVEY, J. B., and BERNI, R. J. A new theory of resiliency in cotton. Textile Res. J. 36(3):251-264. Ref. Mar. 1966. 304.8 T293
Crease-resistance.

- 61094 BENNETT, H. Success or failure of new program will depend on its administration. Cotton Dig. 38(33):9,26. Apr.16,1966. 286.82 C822
Evaluation by Atlantic Cotton Association.
- 61095 BERDIN, L. New trends and aspects offered by cotton culture in the United States. II. (Sp) Agricultura [Madrid] 35(406):93-94. Feb.1966. 15 Ag84
- 61096 BERRIMAN, L. P. The role of growth rings in cotton fiber properties. Textile Res. J. 36(3):272-279. Mar.1966. 304.8 T293
- 61097 BISWAS, A. C. Aerobic bacteria responsible for early retting of jute. Pakistan J. Sci. 16(5/6):232-234. Ref. Sept./Nov.1964. 475 P172
- 61098 BLAKEY, P. R., and HAPPEY, F. Protein fibres. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:561-566. Ref. 1964. 382 M31R
Literature review.
- 61099 BODELL, P. T. A look at high production carding. Textile Bull. 92(4):39-40,42,67-68. Apr.1966. 304.8 So82
Cotton.
- 61100 BOHLMANN, H. Ginners, merchants: are we—you and I—cotton's keeper? Cotton Dig. 38(30):10,22-23. Mar.26,1966. 286.82 C822
Costs.
- 61101 BONAVIA, D. Wool: Hongkong's dilemma. Far East. Econ. Rev. 51(13):641-643,646-647. Mar.31,1966. 280.8 F223
- 61102 BRADFORD, H. W. Cotton cooperatives on the Plains of Texas; services and benefits. U. S. Farmer Coop. Serv. FCS Circ. 33,54 p.,map. Feb.1966. A280.29 F22F
- 61103 BRAUN, H., and MOCK, W. Die chemische Modifizierung von Cellulose [The chemical modification of cellulose]. 1. Reutlingen. Deut. Forschungsinst. Textilindus. Mitt. 89(reprint 14),4 p. Jan.1966. 304.9 R31
Cotton.
- 61104 BRENNER, F. C., CHEN, C. S., and BRITT, D. G. The mechanical behavior of fabrics. IV. Effects of finishing. Textile Res. J. 36(3):216-220. Mar.1966. 304.8 T293
Wool.
- 61105 BRINGARDNER, D. J., MCCARTY, J. W., and PRITULSKY, P. P. Light and weather resistance of fibers. Textile Indus. 130(4):125-136, 142. Ref. Apr.1966. 304.8 C823
Includes natural and synthetic fibers; tests.
- 61106 BROMLEY, J. Non-wovens: developments, progress and uses. Textile Manufacturer 92(1095):98-100. Mar.1966. 304.8 T3126
- 61107 CABRERA, S. Spinning; automation in cotton spinning. (Sp) Ing. Textil 33(207):135-138, 140. Feb.1966. 304.8 In4
- 61108 CHARLTON, D. Purchasing wool to meet micron specifications. Wool Technol. Sheep Breeding 12(11):23-25. Dec.1965. 304.8 W888
- 61109 CLINGMAN, A. L., and SCHWENKER, R. F. The alkane dithioether and the polysulfide crosslinking of cellulose. J. Polymer Sci. Part C, Polymer Symp. 11:107-118. Ref. 1965. 381 J829S
Cotton textile wrinkle recovery.
- 61110 COOPER, M. R., and WILMOT, C. A. Shippers' costs of assembling and distributing Western cotton, by types, market trading areas, and sales outlets, season 1964-65. U. S. D. A. Econ. Res. Serv. ERS-271,2 p. Dec. 1965. A281.9 Ag83E
- 61111 COTTON RESEARCH CLINIC, 17, PINEHURST, N. C., 1966. Proceedings. Textile Bull. 92(4):25-28,30-36,38,40,42-44,46-48,69-70. (Cont.) Apr.1966. 304.8 So82
- 61112 CYROT, J. Use of alkaline ferritartrate solutions for measurement of the degree of polymerization of cellulose. (Fr) Inst. Textile France. Bull. 20(122):37-47. Ref. Jan./Feb. 1966. 304.8 T3145
English summary.
- 61113 DARUWALLA, E. H., and DACOSTA, N. M. Influence of environmental conditions on the products of photochemical decomposition of cellulose. Chem. Indus. 14:597-598. Apr.2,1966. 382 M31C
In cotton.
- 61114 DEAN, F. How maguey ropes are made. West. Horseman 31(5):20-21. May 1966. 42.8 W522
- 61115 DOLMETSCH, H. Form, Ursache und Auswirkung der periodischen Querstreifung in Faserstrukturen [Form, origin, and effects of periodic cross striation in fiber structures]. Reutlingen, Deut. Forschungsinst. Textilindus. Mitt. 89(reprint 12),8 p. Ref. Jan.1966. 304.9 R31
- 61116 EAST INDIA COTTON ASSOCIATION. 44th annual report with balance sheet and statement of income and expenditure 1964-65. Bombay, 1966. 93 p. 287 Ea7A
Text also in Hindi.
- 61117 FERRERO, R. A. The present cotton situation. (Sp) Vida Agr. [Lima] 42(497):187-189,191, 193-194. Apr.1965. 9.8 V66
Peru.
- 61118 FEUGHELMAN, M. Sulphydryl-disulfide interchange in extended wool fibers. Textile Res. J. 36(3):293-294. Ref. 304.8 T293
- 61119 GROSBERG, P., and SMITH, P. A. Strength of slivers of relatively low twist. Indian Textile J. 76(903):130-131. Dec.1965. 304.8 In2
- 61120 GROSSMANN, O. VON. Regulatory stretch for cotton. (Ge) 68(4):215-226. Apr.1966. 304.8 D485
Spinning.
- 61121 GRUNDER, H. R. Influence of processing degree of carded and combed cotton on the micro-naire and Pressley value. (Ge) Melliand Textilber. 47(4):359-366. Apr.1966. 304.8 T312
- 61122 GUTHRIDGE, C. L. Fiber personalities and fabric care. Ark. Univ. Ext. Leaf. 382,8 p.-folder. Jan.1966. 275.29 Ar4Le
Characteristics.
- 61123 HAASE, H., and RAU, J. Pyrolysis gas chromatography research of fibers. (Ge) Melliand Textilber. 47(4):434-436. Ref. Apr.1966. 304.8 T312
Cellulose fibers included.
- 61124 HARPER, R. J., BLANCHARD, E. J., and REID, J. D. A reactive polyamide to improve wet wrinkle recovery and abrasion resistance of wash-wear cottons. Amer. Dyestuff Rep. 55(10):41-43. May 9,1966. 306.8 Am3
- 61125 HUBBARD, L. R. Identification of textile fibers. Amer. Dyestuff Rep. 55(8):48-52. Apr.11,1966. 306.8 Am3
Natural fibers included.
- 61126 HUDSON, J. F., and COCHEBA, D. J. Comparison of methods of transportation for cotton lint and seed in Louisiana. La. Rural Econ. 27(3):5-9. Aug.1965. 281.8 L93
Comparative cost by rail and truck.
- 61127 HUMMEL, E. Measurement of fibre length with the Almeter and comparison of the results with those of the WIRA Diagram Machine. Textil-Praxis, Int. Edition 1:11-20. Mar.1966. 304.8 T3143Ae
- 61128 INDIA. MINISTRY OF FOOD AND AGRICULTURE. DIRECTORATE OF ECONOMICS AND STATISTICS. Jute in India, 1962-1963. New Delhi, 1965. 24 p. 269.6 F311J
- 61129 INDIAN TEXTILE INSTITUTE. 50th Annual conference;subject: "Textile technology 1965." Indian Textile J. 76(903):130-135. Dec.1965. 304.8 In2
Papers presented.
- 61130 JAIN, C. L. The demand for Indian burlap in the United States market; an economic analysis. Diss. Abs. 26(3):1378-1379. Sept.1965. 241.8 M58
Includes jute policy.

- 61131 KASTENS, W. H. Wool production slipped but mohair output reached new high. *Agr. Situation* [Washington] 50(4):6. Apr.1966. 1 Ec7Ag
- 61132 KLINKE, R. Automation in cotton opening. *Textile Indus.* 130(4):137-142. Apr.1966. 304.8 C823
Includes cleaning equipment.
- 61133 KRIEL, W., and GROVE, C. C. Pilot plant studies of mohair scouring. *Textile Rec.* 83 (997):59-60. Apr.1966. 304.8 T311
- 61134 KUCZYNSKI, M. The U.S. Agricultural Act of 1965 and its effects on cotton prices and receipts from cotton exports. *Int. Monetary Fund. Staff Pap.* 13(1):52-81. Mar.1966. 284.9 In84Sta
- 61135 KYAME, G. J., and others. Fabric structure and wash-wear. 1. Effect of yarn and fabric parameters. *Textile Indus.* 130(4):152,156,158, 160,162,184,187. Ref. Apr.1966. 304.8 C823
R. L. Arceneaux, R. M. H. Kullman, J. J. Brown, and J. D. Reid, joint authors.
Cotton.
- 61136 LANDSTREET, C. B., HERTEL, K. L., and LAWSON, R. Some apparent relationships between cotton fiber strength and length. *Textile Bull.* 92(4):26-28,30,68. Apr.1966. 304.8 So82
- 61137 LANDWEHR, R. C. The measurement of wool trouser creases. *Textile Res. J.* 36(3):264-272. Ref. Mar.1966. 304.8 T293
In testing crease-setting procedures.
- 61138 LIN, H. The present condition of cotton production in communist China. (Ch) *China Mon.* 7:17-24. July 1,1965. 280.8 T78
- 61139 LIPSON, M. Fleece properties and textile processing. *Wool Technol. Sheep Breeding* 12(11):51-52. Dec.1965. 304.8 W888
- 61140 MARSH, J. T. Stretch cotton fabrics: slack mercerisation. *Textile Manufacturer* 92(1095): 110-112. Mar.1966. 304.8 T3126
- 61141 MILLOWNERS' ASSOCIATION, BOMBAY. Mill statement for the year ending 31st August 1965 Bombay, 1965. 45 p. 304.9 M62
Includes cotton consumption figures.
- 61142 MIRO, P. Importance of pH in wool treatments. (Sp) *Ing. Textil* 33(207):111-118. Ref. Feb. 1966. 304.8 In4
- 61143 MOCK, U., and MOCK, W. Die chemische Modifizierung von Cellulose [The chemical modification of cellulose]. 2. Reutlingen. Deut. Forschungsinst. Textilindus. Mitt. 89(reprint 15), 8 p. Ref. Jan.1966. 304.9 R31
Cotton.
- 61144 MULCOCK, A. P. The survival of micro-organisms [*Pseudomonas aeruginosa*] in fleece wool. *New Zeal. J. Agr. Res.* 9(1):16-21. Ref. Feb.1966. 23 N4892
- 61145 MUNZEL, F., SCHENKEL, J., and KRASSIG, H. A. Influence of reactive and nonreactive substituents on the achievement of dry and wet crease recovery in resin-finished cotton fabrics. *Textile Res. J.* 36(3):230-238. Ref. Mar.1966. 304.8 T293
- 61146 NOGUEIRA, A. Development of the textile industry O.E.C.D. (Por) *Port. Comis. Reguladora Com. Algodao Rama*. Bol. 16:XXV-XXX. Dec.1965. 264 AL3
Includes textile fiber consumption in Europe, the United States, and Japan.
- 61147 OLDENROTH, O. Studies on the yellowing and greying of different fibres. (Ge) *Fette, Seifen, Anstrichmittel* 68(3):203-212. Mar.1966. 384 C422
English summary.
- 61148 OXLEY, J. W. Selecting and preparing fleeces for show. *Wyo. Univ. Ext.* [4-H Club. Circ.] Sh-5:D2-D5. Sept.1965. 275.29 W99Fc
- 61149 PENSA, I. E., and others. Two-stage curing in the cross-linking of cellulosic fabrics. *Textile Res. J.* 36(3):279-288. Mar.1966. 304.8 T293
G. C. Tesoro, R. O. Rau, and P. H. Egrie, joint authors.
- 61150 PINCKARD, J. A. A method for estimating losses from cotton boll rots. *Plant Dis. Rep.* 50(4):254-256. Apr.1966. 1.9 P69P
Louisiana.
- 61151 PITTMAN, G. A. Fibres and fabrics. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:56-59. Ref. 1964. 305.9 In7A
Reviews.
Includes rayon.
- 61152 POTTER, J. S. An examination of the fleece competition score card. *Wool Technol. Sheep Breeding* 12(11):63,65. Dec.1965. 304.8 W888
- 61153 PRAHL, H. F., TOVEY, H., and UNDERWOOD, C. E. Short investigation of grafting as a method for improving abrasion resistance of cross-linked cotton. *Textile Res. J.* 36(3): 245-250. Ref. Mar.1966. 304.8 T293
- 61154 THE PRESENT state of technological progress and mill practice in the wool spinning industry of the Eastern Bloc countries. 2. *Textil-Praxis*, Int. Edition 1:22-26. Mar.1966. 304.8 T3143Ae
- 61155 QUINNELL, B. What will become of wool? *Wool Technol. Sheep Breeding* 12(11):17-19. Dec.1965. 304.8 W888
- 61156 RAES, G. Scientific research in the flax industry. (Fl) *Indus. Textile Belg.* 8(8):48-51. Mar.1966. 304.8 In29
- 61157 RATH, H., and others. Reversible Vernetzung von Baumwolle mit reaktiven Disulfidverbindungen [Reversible cross-linking of cotton with disulfide compound reagents]. Reutlingen. Deut. Forschungsinst. Textilindus. Mitt. 89(reprint 16)5 p. Ref. Jan.1966. 304.9 R31
K. Brederich, W. Mock, and M. Diamantoglow, joint authors.
Cotton finishing.
- 61158 RAZIKOV, K. KH., AZIZOV, Y., and USMANOV, KH. U. Electron microscopy of cotton cellulose and its copolymer. 9 p. *Transl. 15048*
Translation from *Uzbekskii Khimicheskii Zhurnal* 8(2):66-72. 1964.
- 61159 RIET, D. F. VAN DE. Determination of the stretch of cotton fibers with the Pressley tester. (Ge) *Melliand Textilber.* 47(4):355-357. Apr.1966. 304.8 T312
- 61160 ROFF, W. J. Evaluation of some additives used in resin-finishing of cotton fabrics. *Indian Textile J.* 76(903):134-135. Dec.1965. 304.8 In2
- 61161 ROSS, J. C. Yes sir! Yes sir! Three bags full! *Can. Wool Grower Sheep Breeder* 37(1):5,19. Spring 1966. 280.28 C16
- 61162 RUSCA, R. A. A fresh start in cotton processing? *Textile Mercury Int.* 152(3949):27,32,36. Apr.1,1966. 304.8 T318
- 61163 SAYERS, L. W. Flammability of fibres, fabrics and garments. *Indian Textile J.* 76(903):133-134. Dec.1965. 304.8 In2
- 61164 SCHMATZ, J. The evaluation of wool rovings through fiber properties. (Ge) *Z. Gesamte Textil Indus.* 68(3):137-142. Ref. Mar.1966. 304.8 D485
- 61165 SCHWAB, R. Prerequisites and possibilities in the conversion of cards to high production. (Ge) *Melliand Textilber.* 47(3):223-228. Mar. 1966. 304.8 T312
Cotton.
- 61166 SIMOR, P. Continental methods of flax testing. *Linen Trade Circ. New Fibres Ref.* 52(16):4-7. Apr.16,1966. 304.8 L64

- 61167 SIMPSON, J., DELUCA, L. B., and FIORI, L. A. Effect of carding rate and cylinder speed on fiber hooks and spinning performance. Textile Bull. 92(4):31-34,36,38. Apr.1966. 304.8 So82
Cotton.
- 61168 SKAREK, E. The relation of micron fiber fineness to fiber number or titer in relation to specific weight. (Ge) Melland Textilber. 47 (1):23-24. Jan.1966. 304.8 T312
Natural fibers included.
- 61169 SMITH, H. W. Processing blends of polyester and cotton. Textile Bull. 92(4):44,46-48,69-70. Apr.1966. 304.8 So82
- 61170 STEWART, R. G. Scouring techniques and fadeable yellow in carpet wools. Amer. Dye-stuff Rep. 55(10):33-36. May 9,1966. 306.8 Am3
- 61171 SUCHECKI, S. M. Durable press: phase 2. Textile Indus. 130(4):167-168,170,172,176,180, 187. Apr.1966. 304.8 C823
- 61172 SULIMAN, A. A. Stabilization policies for cotton in Sudan. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:159-180. 1965. 286.9 In86
Prices.
- 61173 SUST, A. An attempt to derive the fibre diagram ("array") from the readings of the digital fibrograph. (Sp) Invest. Inform. Textil 9(1): 13-17. Ref. Jan./Mar.1966. 304.8 In84
English summary.
- 61174 TALAMUCCI, P. Monoecious hemp in the paper industry; experiments in France. (It) Ital. Agr. 103(3):290-302. Ref. Mar.1966. 16 It1
- 61175 TEXTILE RESEARCH INSTITUTE. 1965 annual report. Princeton, N. J., 1965. 65 p. 304.9 T313A
Includes fiber research.
- 61176 THISSEN, J. The Belgian flax industry; some economic aspects. (Fl) Indus. Textile Belg. 8(3):45-47. Mar.1966. 304.8 In29
- 61177 TORNELL, B. Effects of small amounts of zinc on the regeneration process in the spinning of viscose. (Sw) Svensk Papperstidn. 69 (5):166-167. Mar.15,1966. 302.8 Sv2
Rayon.
- 61178 UNGER, W. The different processes of twisting. Can. Textile J. 83(8):45-48. Apr.15,1966. 304.8 C16
- 61179 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Shippers' costs of assembling and distributing U.S. cotton, by types and sales outlets, season 1964-65. U. S. D. A. Econ. Res. Serv. ERS-273,2 p. Jan.1966. A281.9 Ag83E
Cotton Economic Research, University of Texas, and Agricultural Economics and Sociology, Texas A & M University, cooperating.
- 61180 VALK, G., and MALTA, A. S. Influence of inorganic salts on the felt shrinkage of untreated and felt-free finished knitted goods from wool. (Ge) Melland Textilber. 47(3):274-276. Ref. Mar.1966. 304.8 T312
- 61181 WANG, P. H. Improvement of ramie-polyester yarn. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 52:27-38. May 7,1965. (JPRS 29,968) 173 J663Tco
Translation from Fang Chih Chi Shu 8:47-49, 29. Aug.27,1965.
Issued by CFSTI.
- 61182 WARD, K., and VOELKER, M. H. Cotton linters as papermaking fibers: a refining study of rag, linters, and chemically modified linters pulps. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(4):155-161. Apr.1966. 302.8 T162
- 61183 WHAN, R. B., and BOWMAN, R. A. The cost of classing wool in the shearing shed and wool store. Wool Technol. Sheep Breeding 12(11): 29-32. Dec.1965. 304.8 W888
- 61184 YEN, H. C., CHANG, J. K., and CHOU, C. F. Study into the properties of Chinese raw cotton. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 54:3-27. May 17,1965. (JPRS 30,088) 173 J663Tco
Translation from Fang Chih Chi Shu 9:1-11. Sept.27,1964.
Issued by CFSTI.
- 61185 ZAHONYI, J. Winter tasks in prevention of felting of wool. (Hu) Magyar Mezőgazdaság 21(6):19-20. Feb.9,1966. 19 M27
- FRUITS, VEGETABLES, AND NUTS**
- 61186 ANDERSON, B. The tart cherry industry—its structure and market problems. Cornell Univ. Coll. Agr. Econ. A. E. Res. 198,12 p. Mar. 1966. 281.9 C81A
- 61187 ARLITT, M. Fruit production and market. (Ge) Fruchthandel 24:1029-1031. June 11, 1965. 286.83 F9428
Includes trade.
- 61188 BECKMAN, H. V. Self-help—the Pacific coast pear industry. Pear Growers League. Annu. 1966:39-41. 286.3939 P31
Associations in California and Northwestern States cooperating with industry.
- 61189 BELLIA, F. Aspects of lemon production in the U.S.A. (It) Tec. Agr. 16(3/4):121-141. Ref. May/Aug.1964. 16 T22
- 61190 CANITANO, D. Present aspects and future prospects. (It) Agricoltura 14(6):93-99. June 1965. 16 Ag8226
For citrus.
- 61191 CAVARD O, F., and BOLIVAR B, F. Programa nacional para el cultivo de la pina [National program for pineapple culture]. Bogota, 1966. 28 p. 282.9 In72
Includes cultural methods for Colombia.
- 61192 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(421):300-311. (Cont.) Mar.1966. 390.8 B87
Hill culture of grapes; Austrian report by H. Schratt; Israeli report, by I. Kovetz.
- 61193 DUGGEN, H. Cabbage from Schleswig-Holstein—important vegetable raw material. (Ge) Indus. Obst- Gemuseverwertung 51(5):134-137. Mar.3,1966. 389.8 K832
Industry.
- 61194 FEKETE, E. B. Research on horticultural economics in the United Kingdom. Internatl. Hort. Cong. [Proc.], 16th Cong., v.5:239-241. 1962, pub.1964. 90.09 C7616P
- 61195 FLORIDA'S citrus faces rising competition. Int. Fruit World 25(1):101-102,105,107-108,111. Spring 1966. 286.83 F9426
Text also in German and French.
- 61196 FRUIT—the theme for the Lord Mayor's Show. Int. Fruit World 25(1):27-28,31,33-34,37. Spring 1966. 286.83 F9426
Text also in German and French.
- 61197 GIL ALBERT, F. Spanish fruit culture, present and future. (Sp) Spain. Inst. Nac. Invest. Agron. Conf. 1964/65:117-135, map. 15 Sp18C
- 61198 GUNZBOURG, P. DE. The plum and the prune. (Fr) Nouvelles Marches Agr. 103(study 1060): 19-27, map. Sept.1965. 286.8 N85
Industry.
- 61199 JOHNS, R. The ever-changing enterprise. Pear Growers League. Annu. 1965:11,13. 286.3939 P31
Industry.
- 61200 JONES, D. W. R. H. Some aspects of Eritrean fruit production. Sudan Notes Rec. 46(double no.)84-89, map. 1965. 515 Su2
- 61201 KOZMA, J. We shall count on higher yields. (Hu) Kerteszeti Szólesz. 15(3):6-7. Feb.1966. 80 K474
Outlook in fruit production.
- 61202 KRUGERKE, W. On Hungary's fruit and vegetable industry. (Ge) Obst Gemuse 30(3): 18-20. Mar.1966. 286.83 Ob72

- 61203 LA FACE, F. Problems and prospects of the citrus industry. (It) *Agricoltura* 14(6):106-110. June 1965. 16 Ag8226
- 61204 LIGUORI, A. Cauliflower in the Marches. (It) *Ital. Agr.* 103(2):187-207. Feb. 1966. 16 It1 Industry.
- 61205 LUCHINI, R. Citrus in Argentina. (It) *Riv. Agr. Subtrop. Trop.* 59(1/3):3-38, map. Ref. Jan./Mar. 1965. 26 Ag82
English summary, p.2 of supplement.
Industry.
- 61206 MO, Y. H. An econometric study of the California walnut industry. *Diss. Abs.* 26(3):1391. Sept. 1965. 241.8 M58
- 61207 PAULOSE, T. T. The Indian arecanut industry, a retrospect. *Planting Com.* 13(4):57-64, map. May 8, 1965. 22 P697
India.
- 61208 PEAR GROWERS LEAGUE. Annual, 1965. Santa Clara, Calif., 1965. 64 p. 286.3939 P31
California Canning Pear Association and Central Coast Pear Association, cooperating.
- 61209 PRAT, J. DE. The lemon tree. (Sp) *Cult. Mod.* 48(6):211. June 1965. 15 C89
Industry.
- 61210 SCHWEIZERISCHE ZENTRALE FÜR OBSTBAU. Cherry production in Switzerland. (Ge) *Grüne* 94(11):353-383, map. Mar. 18, 1966. 17 Sch9
- 61211 SPRENG, H. The 1965 fruit year. (Ge) *Grüne* 94(7):229-234. Feb. 18, 1966. 17 Sch9
Industry in Switzerland.
- 61212 STOLK, J. F. The black bean. (Sp) *Caracas. Cam. Com. Bol.* 73(627):18664-18674. Feb. 1966. 287 C173
Industry.
- 61213 THREE years of expansion back the future of the French fruit industry. *Int. Fruit World* 25(1):180, 183, 185-186, 189. Spring 1966. 286.83 F9426
Text also in French and German.
- 61214 VESSELINOV, E. Paprika—traditional vegetable of Bulgaria. (Ge) *Fruchtthandel* 33:1420-1422. Aug. 13, 1965. 286.83 F9428
- 61215 WOLF, J. Report on outlook for production of citrus fruit in winter 1965/66. *S. Afr. Citrus J.* 385:9, 17. Jan. 1966. 80 C495
- Analysis and Composition
- 61216 BUREN, J. VAN, and NEUKOM, H. Research on the isolation of proanthocyanidins from apples. (Ge) *Mitt. Geb. Lebensmitteluntersuch. Hyg.* 56(4):303-307. 1965. 389.9 Sw6
- 61217 ARMBRUSTER, G. Microscopic, physical, and sensory measurements of characteristics of texture of fresh and frozen strawberries. *Diss. Abs.* 26(9):5360-5361. Mar. 1966. 241.8 M58
- 61218 CASOLARI, A., and ERCOLANI, G. L. Variations in the microbiological characteristics of tomatoes from harvesting to processing. (It) *Indus. Conserve* 40(4):306-311. Ref. Oct./Dec. 1965. 389.8 In23
English summary, p.3 of supplement.
- 61219 CHENG, K. W., and KILGORE, W. W. Determination of 2,6-dichloro-4-nitroaniline residues in fruits by electron-capture gas chromatography. *J. Food Sci.* 31(2):259-261. Mar./Apr. 1966. 389.8 F7322
- 61220 COUSSIN, B. R., and SAMISH, Z. Effect of storage on the formal and chloramine-T values of processed single-strength and comminuted orange juices. *Food Technol.* 20(3):115-116. Mar. 1966. 389.8 F7398
- 61221 DE LA MAR, R. R., and FRANCIS, F. J. Composition of the distillate in the alcohol test for quality of prepeeled potatoes. *Amer. Soc. Hort. Sci. Proc.* 86:511-516. Ref. June 1965. 81 So12
- 61222 DEIBNER, L., and BOURZEIX, M. On the extraction of the anthocyanin of the grape. (Ge) *Klosterneuburg. Höhere Bundeslehr-Ver-suchsanst. Wein-Obstbau. Mitt. Ser. A, Rebe Wein* 15(4):165-177. Ref. July 1965. 105.9 K696
English summary.
- 61223 DEKAZOS, E. D. Anthocyanin in red tart cherries as related to anaerobiosis and scald. *J. Food Sci.* 31(2):226-233. Ref. Mar./Apr. 1966. 389.8 F7322
- 61224 DITZ, E. Contribution to the dosage of fruit juices, determination of phosphorus, potassium, sodium and calcium. (Fr) *Ann. Technol. Agr.* 14(1):67-78. 1965. 14 F8499An
English summary.
- 61225 DRAUDT, H. N., and HUANG, I. Y. Effect of moisture content of freeze-dried peaches and bananas on changes during storage related to oxidative and carbonyl-amine browning. *J. Agr. Food Chem.* 14(2):170-176. Ref. Mar./Apr. 1966. 381 J8223
- 61226 ERCOLANI, G. L., and CASOLARI, A. A search for microflora in healthy tomatoes. (It) *Indus. Conserve* 41(1):15-22. Ref. Jan./Mar. 1966. 389.8 In23
English summary.
- 61227 FRANCIS, F. J. Watermelon color measurement with the Agron. *Amer. Soc. Hort. Sci. Proc.* 86:617-620. June 1965. 81 So12
Agron colorimeter.
- 61228 GOREN, R. Hesperidin content in the Shamouti orange fruit. *Amer. Soc. Hort. Sci. Proc.* 86:280-287. Ref. June 1965. 81 So12
- 61229 GUADAGNI, D. G., and others. Correlation of sensory and gas-liquid chromatographic measurements of apple volatiles. *Food Technol.* 20(4):166-166-169. Ref. Apr. 1966. 389.8 F7398
S. Okano, R. G. Buttery, and H. K. Burr, joint authors.
- 61230 HEE, L. VAN. The bitter substances of *Cichorium intybus*. (Fr) *Ann. Gembloux* 71(3):211-219. Ref. Third Q. 1965. 13 G28
- 61231 JOHNSON, R. M., and RAYMOND, W. D. The chemical composition of some tropical food plants. V. Mango. *Trop. Sci.* 7(4):156-164. Ref. 1965. 26 T756
- 61232 KAPANADZE, P. I., BREHADZE, N. N., and CHAKVETADZE, D. I. Study of chemical composition of fruit of some varieties of cherries and mazzard cherries cultivated in Georgian SSR. (Geo) *Akad. Nauk Gruz. SSR. Soobshch.* 39(1):167-171. July 1965. 511 Ak146
Russian summary.
- 61233 KIERMEIER, F., and RICKERL, E. Causes of discoloration of steamed potatoes. II. The effect of iron. 9 p. (TT 64-10516) *Transl.* 15314
Translation from *Zeitschrift für Lebensmittel-Untersuchung und Forschung* 102:330-337. 1955.
Issued by CFSTI.
- 61234 KLINGER, H., and NEHRING, P. Evaluation of fruit jams. II. Determination of the fruit weight from analytical data. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(2):76-83. 1966. 384 Z39
- 61235 KOLATTUKUDY, P. E. Effects of washing and aging on the metabolism of red beet root slices. *Diss. Abs.* 26(3):1323. Sept. 1965. 241.8 M58
- 61236 KOPPEN, H. J. Quality control of vegetables for industrial processing through voluntary quality control in Lower Saxony. (Ge) *Indus. Obst- Gemuseverwertung* 51(5):137-139. Mar. 3, 1966. 389.8 K832
- 61237 KRAMER, A., and HAWBECKER, J. V. Measuring and recording rheological properties of gels. *Food Technol.* 20(2):111-115. Feb. 1966. 389.8 F7398
In jellies.

- 61238 LIEBERMAN, M., and others. Stimulation of ethylene production in apple tissue slices by methionine. *Plant Physiol.* 41(3):376-382. Ref. Mar.1966. 450 P692
A. Kunishi, L. W. Mapson, and D. A. Wardale, joint authors.
Post-harvest physiology of apples.
- 61239 LUH, B. S., and DASTUR, K. D. Texture and pectin changes in canned apricots. *J. Food. Sci.* 31(2):178-183. Ref. Mar./Apr.1966. 389.8 F7322
- 61240 MAZUELOS VELA, F., FIESTAS ROS DE URSINOS, J. A., and RAMOS AYERBE, F. Study of the fruit of the evergreen oak (*Quercus ilex*). II. Characteristics of the fruit and of its oil and meal. (Sp) *Grasas Aceites* 17(1):6-10. Jan./Feb.1966. 307.8 G76
English summary, p.4 of supplement.
- 61241 MOHSEENIN, N., MORROW, C. T., and TUKEY, L. D. The "yield-point" non-destructive technique for evaluating firmness of Golden Delicious apples. *Amer. Soc. Hort. Sci. Proc.* 86: 70-80. Ref. June 1965. 81 So12
- 61242 MONDY, N. I., GEDDE-DAHL, S. B., and MOBLEY, E. O. Relationship of specific gravity to the enzymatic activity and phenolic content of potatoes. *J. Food Sci.* 31(2):157-160. Ref. Mar./Apr.1966. 389.8 F7322
- 61243 MORGAN, R. C. Chemical studies on concentrated pineapple juice. I. Carotenoid composition of fresh pineapples. *J. Food Sci.* 31(2): 213-217. Ref. Mar./Apr.1966. 389.8 F7322
- 61244 NUTTING, M. D., and BECKER, R. Chlorophylls a and b in green vegetables: a comparison of procedures. *J. Food Sci.* 31(2):210-212. Mar./Apr.1966. 389.8 F7332
- 61245 OI, N., and UMEDA, I. Analytical studies on pesticides by infrared spectroscopy. II. Determination of residues of sumithion and methylparathion in mixture. (Ja) *Pharm. Soc. Jap. J.* 86(1):78-79. Jan.1966. 389.9 P49
English summary.
In vegetables.
- 61246 OLDHAM, S. New constituents of Hungarian paprika. *Manufacturing Chem. Aerosol News* 37(3):37. Mar.1966. 396.8 M31
Capsicum.
- 61247 PEASE, H. L. Herticide method: determination of sulfamate residues. *J. Agr. Food Chem.* 14 (2):140-142. Mar./Apr.1966. 381 J8223
Ammonium sulfamate in apples and pears.
- 61248 PIENAAR, W. J., and others. Chemical composition of certain Langkloof fruits. *Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun.* 43, 5 p. Ref. 1965. 24 So863
E. E. Bartel, K. H. Gurgun, and C. E. Schutte, joint authors.
- 61249 PRABHAKAR, J. V. P-toluene sulfonic acid as a chromogenic reagent for location of indole derivatives on paper chromatograms. *Cur. Sci.* 34(24):700. Dec.20,1965. 475 Sci23
Tests with cabbage extracts.
- 61250 PRIMO, E., SANCHEZ, J., and ALBEROLA, J. Detection of adulteration in citrus juices. III. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(1):121-124. Jan./Mar.1965. 389.8 R324
English summary, p.91.
Orange juice acids.
- 61251 RHOADES, J. W., MILLAR, J. D., and REGIST, J. W. Collection of fruit volatiles for gas chromatographic analysis. In Mattick, L. R., and Szymanski, H. A., ed. *Lectures on gas chromatography*, p.211-218. 1965. 387 M43
- 61252 RICHARDSON, K. C. Incidence of *Byssochlamys fulva* in Queensland-grown canned strawberries. *Queensland J. Agr. Anim. Sci.* 22(3):347-350. Sept.1965. 23 Q37
- 61253 ROBIRDS, F. M., and ROSSI, E. A. Non-sugar solids in various varieties of California grapes. *Amer. J. Enol. Viticult.* 17(1):37-38. Jan./Mar.1966. 390.9 Am33
- 61254 ROYO IRANZO, J. Methods of analysis applicable to juices, concentrates, and feeds derived from citrus fruits. (Sp) *Ion* 26(295):53-60,63. Ref. Feb.1966. 385 I06
- 61255 RYBAKOVA, N. S. Microscopic investigation of the effect of roasting on the cell structure of nuts. 1 p. (TT 63-18052) Transl. 15386
Almonds, cashews and peanuts.
Translation from *Khlebopekarskaya i Konditerskaya Promyshlennost'* 2(6):12-14. 1958. Issued by CFSTI.
- 61256 SAMISH, Z., and ETINGER-TULCZYNSKY, R. Bacteria within fermenting tomatoes and cucumbers. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:373-384. Ref. 1962, pub.1965. TP368.I5
- 61257 SCHMIDT, E. D., and LEVIN, J. H. Terminal velocities of small fruits. *Amer. Soc. Agr. Eng. Pap.* 812,9 p. 1965. 290.9 Am32P
With relation to injuries in falling and handling.
- 61258 SCHMIT, J. A., PETERS, U. J., and LASKARIS, M. A. A rapid method for the determination of pesticide residues in tomatoes and tomato products. In Mattick, L. R., and Szymanski, H. A., ed. *Lectures on gas chromatography*, p.79-90. 1965. 387 M43
Insecticides.
- 61259 SIOUD, F. B., and LUH, B. S. Polyphenolic compounds in pear puree. *Food Technol.* 20 (4):182-186. Ref. Apr.1966. 389.8 F7398
Canned.
- 61260 SPLITSTOESSER, D. F., and GADJO, I. The groups of microorganisms composing the "total"-count population in frozen vegetables. *J. Food Sci.* 31(2):234-239. Ref. Mar./Apr. 1966. 389.8 F7322
- 61261 STEVENS, R. D., and VAN MIDDELEM, C. H. Residue determination: analysis of Bidrin as iodoform by electron capture-gas-liquid chromatography. *J. Agr. Food Chem.* 14(2): 149-152. Mar./Apr.1966. 381 J8223
Test with cabbage.
- 61262 TANIMURA, W., and SUMINOE, K. On bacteria isolated from swelled Japanese kaki persimmon canned product added with syrup. (Ja) *J. Agr. Sci. [Setagaya]* 10(4):119-121. Mar.1965. 22.5 J824
English summary.
- 61263 VAUGHN, R. H. Microbiological problems associated with dehydration of unblanched vegetables. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:345-350. 1962, pub.1965. TP368.I5
- 61264 VOISEY, P. W., and LYALL, L. H. Methods of determining the strength of tomato skins in relation to fruit cracking. *Amer. Soc. Hort. Sci. Proc.* 86:597-609. Ref. June 1965. 81 So12
Includes testing equipment.
- 61265 WEICHEL, H. H. Evaluation of spray-dried foods. I. Evaluation of spray-dried red beet powder. (Ge) *Deut. Lebensmittel-Rundsch.* 62(2):53-54. Feb.1966. 389.8 D482
- 61266 WOOD, T. The isolation, properties, and enzymic breakdown of linamarin from cassava. *J. Sci. Food Agr.* 17(2):85-90. Ref. Feb.1966. 382 So12
Glucosides.
- 61267 WUCHERPFENNIG, K., and FRANKE, I. Research on the bacterial count of orange juice in the course of production and bottling. (It) *Indus. Conserve* 41(1):23-28. Jan./Mar.1966. 389.8 In23
English summary.
- 61268 YAMAGUCHI, M., and others. Factors affecting the formation of a pink pigment in purees of onion. *Amer. Soc. Hort. Sci. Proc.* 86:475-483. Ref. June 1965. 81 So12
S. Shannon, F. D. Howard, and M. A. Joslyn, joint authors.
Includes varieties.

Consumption and Utilization

- 61269 HADACHER, R. C. An econometric study of the demand for prune juice. Diss. Abs. 26(3): 1388. Sept.1965. 241.8 M58
- 61270 HENDERSON, K. R. Demand and substitution relationships for frozen orange concentrate. Diss. Abs. 26(8):4293. Feb.1966. 241.8 M58

Distribution, Marketing, and Transportation

- 61271 AZAR, S. The marketing of Lebanon fruits. (Fr) Econ. Rurale [Beyrouth] 1:12-14. Jan. 1965. 280.8 Ec7323
- 61272 BECKMAN, H. V. California Comice and Neils. Pear Growers League. Annu. 1964:53-54. 286.3939 P31
Promotion.
- 61273 BELLIA, F. Lemon marketing in the U.S.A. (It) Prog. Agr. [Bologna] 11(11):1133-1144. Nov.1965. 58.8 P94
- 61274 BESTER, J. B. Urban produce markets—a comparison of their set-up in South Africa with that in certain foreign countries. Agrekon 5 (1):14-18. Jan.1966. 281.8 Ag835
- 61275 BISHOP, W. R., and SAUNDERS, R. F. Expanding the market for Maine blueberries. I. An analysis of the consumer market. Maine. Agr. Exp. Sta. Bull. 638,41 p. Jan.1966. 100 M285
- 61276 BRANN, F. O. P. The importance of estimates. S. Afr. Citrus J. 386:9. Feb.1966. 80 C495
Marketing and outlook.
- 61277 BRANN, F. O. P. New marketing methods. S. Afr. Citrus J. 385:5,11. Jan.1966. 80 C495
Includes varieties.
- 61278 CANADA. DEPT. OF AGRICULTURE. PRODUCTION AND MARKETING BR. MARKETS INFORMATION SECT. Annual unload report fresh fruits and vegetables on 12 Canadian Markets, 1965. Ottawa, 1966. 110 p. 253 M344
- 61279 CHEN, F. C. An analysis of vegetable marketing in Hong Kong. (Ch) Foreign Trade Mon. 10(2):14-18. Feb.1965. 286.8 K962
- 61280 COLLINS, R. E. Steps for survival in the Bartlett pear market. Pear Growers League. Annu. 1965:3-6. 286.3939 P31
- 61281 COREY, F. C. NAI [National Apple Institute] stresses promotion as essential to marketing. Amer. Fruit Grower 86(4):8,50. Apr.1966. 80 G85
- 61282 DIAZ GARCIA, A. Fungicidal treatments for control of rot in the Ohanes grape shipped in barrels. (Sp) Agricultura [Madrid] 34(397): 247-252. May 1965. 15 Ag84
- 61283 DOLVEN, A. The market garden hall 1941-1965. (No) Landbrukets Sentralforbund Arbok Landbrukets Okon. Organ. 1965:296-309. 280.29 L235
Fruit and vegetable cooperative.
- 61284 EUROPEAN ECONOMIC COMMUNITY. Les organismes groupant les producteurs de fruits et legumes frais pour la vente dans les Etats membres de la CEE; aspects juridiques; importance; role economique [Producer group organizations for the marketing of fresh fruits and vegetables in the member States of the E.E.C.: legal aspects; importance; economic role]. Europe. Econ. Community. Etudes. Ser. 19,123 p. 1965. 281.9 Eu7
- 61285 FAO CONFERENCE on marketing and cold storage of perishable products in the Near East. Int. Fruit World 25(1):260,263,265-266. Spring 1966. 286.83 F9426
Text also in German and French.
Fruit and vegetables.
- 61286 FLORIDA'S orange concentrate industry prepare for the struggle. Int. Processed Fruits 10(1):35-36,39,41-42,45,47. 1966. 286.83 In82
Text also in German and French.
Marketing.
- 61287 FUNFALEK, A. Mushrooms in the German Democratic Republic. (Cz) Mykol. Sb. 42 (9/10):143-145. Dec.1965. 450 C27
Chiefly marketing of dried mushrooms.
- 61288 GELLER, G. Surplus pears? Dump them in the fresh market. Pear Growers League. Annu. 1965:33,35. 286.3939 P31
- 61289 GRILLENZONI, M. Situation and outlook for development of fruit products marketing. (It) Riv. Econ. Agr. 21(1):24-41. 1966. 281.8 R52
English summary.
- 61290 HINSCH, R. T. Trimmed celery costs less to ship. Agr. Marketing [Washington] 11(3):7. Mar.1966. A280.38 Ag8
- 61291 KÄISIN, A. Improving procurement of wild fruit and berries. (Rus) Les. Khoz. 10:27-28. Oct.1965. 99.8 L5622
- 61292 KEMMERS, W. H. Marketing in the fruit and vegetables sector. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):139-148. Mar.1965. 86 N384
English summary.
Includes discussion.
- 61293 LUND, O. Some traits from the period before the market hall was organized. (No) Landbrukets Sentralforbund. Arbok Landbrukets Okon. Organ. 1965:283-295. 280.29 L235
Fruit and vegetable marketing.
- 61294 MARKET analysis on the retail front. Int. Fruit World 25(1):38,41-42,45-46,49. Spring 1966. 286.83 F9426
Text also in French and German.
Fruit and vegetables.
- 61295 MULLER, E. The situation of the German wholesale fruit trade. II. (Ge) Fruchthandel 16:702-706,708-709. Apr.16,1965. 286.83 F9428
- 61296 NYBERG, A. J. Effectiveness of apple advertising media and themes. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 176,15 p. Aug.1965. 281.9 C81A
- 61297 PRODUCE promotional organizations. Prod. Marketing 9(4):24-30. Apr.1966. 280.38 P943
- 61298 RADA, R. DE. National fruit and vegetable markets; behavior of producers with regard to production and marketing. (Fr) Confed. Europe. Agr. Publ. CEA 31:248-259. 1965. 28 C763
- 61299 RODENAS FONTCUBERTA, D., and IGLESIAS SELGAS, C. Rapport: propagande pour la vente de fruits et de legumes dans les pays de la C.E.A. [Report: propaganda for the sale of fruits and vegetables in the countries of the C.E.A.]. Madrid, 1962. 30 p. (Confederation Europeenne de l'Agriculture—CEA 14eme Assemblée Generale) 28 C764
- 61300 SOUTH Africa's citrus marketing success. Int. Fruit World 25(1):331-332,335,337,339,341. Spring 1966. 286.83 F9426
Text also in German and French.
Chiefly promotion.
- 61301 SPRAGUE, F. D. What's happening to canned pear sales? Pear Growers League. Annu. 1965:25,27. 286.3939 P31
- 61302 WURDIG, W. A. Work of cooperative advertising for fruits and vegetables. (Ge) Obst Gemuse 30(3):22-23. Mar.1966. 286.83 Ob72
- 61303 ZEEUW, A. DE. Prospects for marketing in horticulture. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):149-151. Mar.1965. 86 N384

Grading, Inspection, Standardization, and Quality

- 61304 BOSE, A. N., LODH, S. B., and DE, S. Studies on the storage life of pineapples. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:117-126. Ref. 1962, pub.1965. TP368.I5
- 61305 BREARLEY, N., and BREEZE, J. E. Spectrophotometric measurements of skin colours of apples. J. Sci. Food Agr. 17(2):62-64. Feb. 1966. 382 S012

- 61306 CASOLARI, A., and PORRETTA, A. Flat sour in canned peas. (It) Indus. Conserve 40(4):301-305. Ref. Oct./Dec.1965. 389.8 In23
English summary, p.3 of supplement.
- 61307 CASOLARI, A. Sources of contamination of processed peas. (It) Indus. Conserve 41(1):12-14. Jan./Mar.1966. 389.8 In23
English summary.
- 61308 CASOLI, U. Agricultural, chemical, and technological characteristics of industrial tomatoes produced in Italy in 1965. (It) Indus. Conserve 40(4):316-318. Oct./Dec.1965. 389.8 In23
- 61309 DOES brand fruit have a future? Int. Fruit World 25(1):190,193-194,197-198,201-202,205. Spring 1966. 286.83 F9426
Text also in German and French.
Grading.
- 61310 FRECHETTE, R. J., and ZAHRADNIK, J. W. Surface area-weight relationships for McIntosh apples. Amer. Soc. Agr. Eng. Pap. 322, 7 p. 1965. 290.9 Am32P
- 61311 FRITZSCHE, R. Review of quality criteria for kernel and stone fruit and influencing of quality through cultural methods. (Ge) Schweiz. Landwirt. Monatsh 44(1):6-21. Jan.1966. 17 Sch93
- 61312 GREELEY, E. T. U.S.D.A. grade standards for processed fruits and vegetables; their role in marketing and quality control. Food Technol. Australia 18(2):58-59,61,63,65,67. Feb. 1966. 389.8 F7333
- 61313 HEIM, R., HOFMANN, A., and TSCHERTER, H. Collective intoxication with psilocybe syndrome caused in France by a Copelandia. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(4):519-523. Ref. Jan.24,1966. 505 P21
- 61314 JACOB, F. C., ROMANI, R. J., and SPROCK, C. M. Fruit sorting by delayed light emission. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):18-19, 24. 1965. 290.9 Am32T
- 61315 JAHN, O. L., BOWMAN, E. K., and GAFFNEY, J. J. New device sorts oranges by color; packers may need to degreen less fruit in the future if this machine sorts automatically on a commercial scale. Agr. Marketing [Washington] 11(4):16. Apr.1966. A280.38 Ag8
- 61316 KALININA, A. V. Fruit of European chestnut [Castanea sativa] and its utilization in national economy. (Rus) Les. Khoz. 10:28-31. Oct. 1965. 99.8 L5622
Chiefly quality and properties.
- 61317 KIERMEIER, F., and RICKERL, E. Causes of discoloration of steamed potatoes. I. Effect of phenolic substances. 10 p. (TT 64-10517) Transl. 15312
Translation from Zeitschrift für Lebensmittel-Untersuchung und Forschung 100:441-449. 1955.
Issued by CFSTI.
- 61318 MAPSON, L. W. Enzymic browning of potato tissue; physical, chemical and biological methods of control. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:17-26. Ref. 1962, pub. 1965. TP368.15
Formation of tyrosine.
- 61319 NEDERLANDSE HUISHOUDRAAD. Common regulation of the fruit and vegetable market. (Du) Ned. Huishoudraad, Maandelijkse Mededel. 11(10):163-167. May 1965. 321.9 N28
Consumenten Contact Orgaan, cooperating.
- 61320 RHEE, K. S. C. Lipoxidase and lipid oxidation in vegetables. Diss. Abs. 26(9):5362. Mar. 1966. 241.8 M58
- 61321 SCHUPHAN, W., and HENTSCHEL, H. Spinach rich in nitrates--possible cause of infant poisoning. (Ge) Ernähr.-Umsch. 12(5):132-133. May 1965. 389.8 Er66
- 61322 STANDARDIZATION of processed fruit and vegetable products. Int. Processed Fruits 10(1):4-6,9,11-12,15,17-18. 1966. 286.83 In82
Text also in German and French.
In European Economic Community.
- 61323 STEVENSON, C. D., and CARROLL, E. T. Effect of fruit size on the cool storage behaviour of Granny Smith apples. Queensland J. Agr. Anim. Sci. 22(3):357-363. Sept.1965. 23 Q37
- 61324 TERESHKOVICH, G., and NEWSOM, D. W. Some effects of date of washing and grading on keeping quality of sweet potatoes. Amer. Soc. Hort. Sci. Proc. 86:538-541. June 1965. 81 So12
- 61325 ZORN, C. Problem of keeping quality of green beans. (Ge) Indus. Obst- Gemuseverwertung 51(5):129-133. Mar.3,1966. 389.8 K832

Packing and Packaging

- 61326 BELLE, G. VAN. Packing of James Grieve. (Du) Groenten Fruit 21(38):1721. Apr.6,1966. 80 G89
- 61327 GENTRY, J. P., MITCHELL, F. G., and SOMMER, N. F. Engineering and fruit quality aspects of deciduous fruits packed by volume filling and hand placing methods. Amer. Soc. Agr. Eng. Pap. 343,10 p. 1965. 290.9 Am32P
- 61328 GUTIERREZ GONZALEZ-QULJANO, R. Study of olive packing in polyethylene bottles. (Sp) Grasas Aceites 17(1):1-6. Ref. Jan./Feb.1966. 307.8 G76
English summary, p.4 of supplement.
- 61329 JARRET, L. D., and BAIN, H. D. A new consumer pack for oranges and grapefruit. S. Australia J. Agr. 69(7):250-253. Feb.1966. 23 So84
- 61330 MARTELLI, F. Technical and economic advantages in the use of plastic cell-type containers for the preparation of fruit. (It) Agricoltura 15(3):65-67. Mar.1966. 16 Ag8226
- 61331 SCHOMER, H. A., PIERSON, C. F., and CEPONIS, M. J. Plastic trays, pulp trays and cell pack. Prod. Marketing 9(4):31-32. Apr. 1966. 280.38 P943
For apples.

Prices, Price Control, and Rationing

- 61332 BROWN, J. D., and CRAVENS, M. E. Retail margins on tomatoes. Ohio Agr. Res. Develop. Center. Res. Bull. 984,21 p. Feb.1966. 100 Oh3S
- 61333 BUNJE, R. B. Where's the silver lining? Cling Peach Quart. 2(3):3. Fall 1965. 281.8 C61
Prices.
- 61334 ERHVERVSRAADET FOR GARTNERI OG FRUGTAVL. Arsberetning [Annual report of the Horticultural Council], 1965. Kobenhavn, 1966. 30 p. 286.3919 Er3
Chiefly prices and export and import of fruit and vegetables.

Processing and Storage

- 61335 ARSVOLL, K. Chalaropsis [thielavioides]-rot on carrots that have been washed. (No) Gartneryrket 56(6):100-101. Feb.4,1966. 80 G1938
- 61336 ASPELIN, A. L. The potential for vegetable canning in Nebraska: a preliminary analysis. Diss. Abs. 26(3):1385. Sept.1965. 241.8 M58
- 61337 BENNETT, A. H., SOULE, J., and YOST, G. E. Temperature response of Florida citrus to forced-air precooling. ASHRAE (Amer. Soc. Heating, Refrig. Air-Cond. Eng.) J. 8(4):48-54, 66. Apr.1966. 295.8 Am3
- 61338 BERRY, R. E., and others. Storage studies on foam-mat-dried grapefruit powder. Food Technol. 20(4):177-178. Apr.1966. 389.8 F7398
O. W. Bissett, C. J. Wagner, and M. K. Veldhuis, joint authors.
- 61339 BIRO, G., and VARGA, I. Some problems in the development of green peas' production line. (Hu) Elemezési 20(2):58-64. Feb.1966. 290.9 M57
English summary.

- 61340 BOGDANSKI, K., and JANICKI, J. Study on the diffusion of ascorbic acid from fruits into ambient liquids on the example of Hippophae rhamnoides. Acad. Polon. Sic. Bull. Ser. Sci. Biol. 13(9):499-503. 1965. 512 W262
With reference to vitamin loss from fruit and vegetable during and after processing.
- 61341 BRAMLAGE, W. J., and COUEY, H. M. Gamma radiation of fruits to extend market life. U. S. D. A. Marketing Res. Rep. 717, 27 p. Ref. Nov. 1965. 1 Ag84Mr
- 61342 CANADA. BUR. OF STATISTICS, INDUSTRY DIV. Fruit and vegetable canners and preservers, 1963. Ottawa, 1966. 26 p. (Annual census of manufactures) 253 C335Fr
- 61343 CLASSEN, F. Summary report on the study trip in July 1965. (Ge) Indus. Obst- Gemuseverwertung 51(6):193-196. Mar. 17, 1966. 389.8 K832
Fruit and vegetable processing Germany.
- 61344 CLIJSTERS, H. Malic acid metabolism and initiation of the internal breakdown in "Jonathan" apples. Physiol. Plant. 18(1):85-94. Ref. 1965. 450 P564
In storage.
- 61345 COCHRAN, H. L. Effect of intrafactory preparation on the loss in weight of cannery pimientos. Amer. Soc. Hort. Sci. Proc. 86:498-501. June 1965. 81 So12
Chiefly processing.
- 61346 COUEY, H. M. Modified atmosphere storage of Nubiana plums. Amer. Soc. Hort. Sci. Proc. 86:166-168. June 1965. 81 So12
- 61347 CROON, F. Storage of witloof roots for seed culture. (Fl) Tuinbouwberichten 29(9):382. Sept. 1965. 80 T817
- 61348 CUNNINGHAM, B. M. Making marmalade. Agr. Northern Ireland 40(9):287-289. Jan. 1966. 256.13 Ag82M
From oranges.
- 61349 DOSTAL, H. C., DEDOLPH, R. R., and TULL, V. Changes in nonvolatile organic acid constituents in broccoli (Brassica oleracea var. Italica) following post-harvest N⁶-benzyladenine treatment. Amer. Soc. Hort. Sci. Proc. 86:387-391. Ref. June 1965. 81 So12
In storage.
- 61350 EAPEN, K. E., and RAMANATHAN, P. K. Vacuum puffing and dehydration of potato. Food Technol. 20(4):191-193. Apr. 1966. 389.8 F7398
- 61351 EAVES, C. A., and LOCKHART, C. L. Oxygen controller for controlled atmosphere storage. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:37. 1964. 82 N85
Using McIntosh apples with the testing.
- 61352 EAVES, C. A. Nitrogen fertilization in relation to the keeping quality of McIntosh apples in controlled atmosphere storage. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:35-36. 1964. 82 N85
- 61353 FALGOUT, R. N. The effect of isopropyl N (3-chlorophenyl) carbamate upon certain physiological and biochemical changes in Irish potatoes during storage. Diss. Abs. 26(8):4152-4153. Feb. 1966. 241.8 M58
- 61354 FERGUSON, W. E., and others. The effects of gamma radiation on bananas. Food Technol. 20(2):105-107. Ref. Feb. 1966. 389.8 F7398
A. R. Yates, K. F. MacQueen, and J. A. Robb, joint authors.
Control of spoilage caused by Gloeosporium musarum.
- 61355 FONTENOT, J. F. Some factors associated with the post harvest physiology of Ipomoea batatas. Diss. Abs. 26(9):4941. Mar. 1966. 241.8 M58
Storage.
- 61356 FRANCIS, F. J., and THOMSON, C. L. Optimum storage conditions for butternut squash. Amer. Soc. Hort. Sci. Proc. 86:451-456. Ref. June 1965. 81 So12
Controlled atmosphere and temperature.
- 61357 FUNFALEK, A. Perforation of dried mushrooms. (Cz) Mykol. Sb. 42(9/10):146. Dec. 1965. 450 C27
- 61358 GONZALEZ, S. Cassava starch in Paraguay. (Sp) Paraguay Indus. Com. 22(255):9-15. Dec. 1965. 280.8 P213
Manufacture and costs.
- 61359 GORINI, F. Reduction of the incidence of scald in apples. (It) Prog. Agr. [Bologna] 12(1):57-64. Jan. 1966. 58.8 P94
Control in storage with ethoxyquin.
- 61360 GRUTZNER, F. Influence of the degree of hardness of the treated and used drinking water on the alkalinity, total acids, and flavor of fruit juices. (Ge) Indus. Obst- Gemuseverwertung 51(8):247-248. Apr. 14, 1966. 389.8 K832
- 61361 HASEGAWA, S., JOHNSON, R. M., and GOULD, W. A. Effect of cold storage on chlorogenic acid content of potatoes. J. Agr. Food Chem. 14(2):165-169. Ref. Mar./Apr. 1966. 381 J8223
- 61362 HENRIKSEN, J. B. Covering of potato pits. (Da) Landbonyt 19(9):336-341. Sept. 1965. 11 L2322
- 61363 HUELIN, F. E. The definition of stages of senescence in stored fruits. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:127-135. Ref. 1962, pub. 1965. TP368.15
- 61364 JENSEN, W. P. Controlled atmosphere generators for fresh fruit and produce storage. Amer. Soc. Agr. Eng. Pap. 836, 24 p. Ref. 1965. 290.9 Am32P
- 61365 KELLOGG, W. Idaho expands potato potential. Agr. Marketing [Washington] 11(4):11. Apr. 1966. A280.38 Ag8
Chiefly processing and storage.
- 61366 KENDER, W. J., and others. Storage of late season lowbush blueberries. Maine Farm Res. 13(4):11-13. Jan. 1966. 100 M28Ma
D. A. Abdalla, E. Murphy, R. True, and A. Ismail, joint authors.
- 61367 KHALIFAH, R. A., and KUYKENDALL, J. R. Effect of maturity, storage temperature, and prestorage treatment on storage quality of Valencia oranges. Amer. Soc. Hort. Sci. Proc. 86:288-296. Ref. June 1965. 81 So12
Treatment includes cleaning and waxing.
- 61368 KOERT, J. L. The use of sprout preventives in onions. (Du) Loonbedrijf Land- Tuinbouw 18(7):585, 587. July 1965. 283.8 L87
- 61369 KOVAL'SKAYA, L. P. Factors affecting storage periods and the quality of fresh fruits, berries and vegetables treated by gamma rays. 7 p. (TT 64-13629) Transl. 15404
Translation from Konserv. i Ovoshchesuchil'naya Promyshlennost' 18(10):22-26. 1963.
CFSTI: \$1.10.
- 61370 LAZAR, M. E., and MORGAN, A. I. Instant applesauce. Food Technol. 20(4):179-181. Ref. Apr. 1966. 389.8 F7398
Drying process.
- 61371 LENTZ, C. P. Moisture loss of carrots under refrigerated storage. Food Technol. 20(4):201-204. Apr. 1966. 389.8 F7398
- 61372 LIPTON, W. J. Post-harvest responses of asparagus spears to high carbon dioxide and low oxygen atmospheres. Amer. Soc. Hort. Sci. Proc. 86:347-356. June 1965. 81 So12
In storage.
- 61373 LUTHI, H. R. Development trends in fruit juice technology. 2-3. (Ge) Schweiz. Z. Obst- Weinbau 101(25):635-639; (26):658-662. Dec. 11-25, 1965. 80 Sch9
- 61374 LUTHI, H. R. Tendencies in the development of fruit juice technology. (Ge) Schweiz. Z. Obst- Weinbau 101(23):584-587; (24):603-613. (Cont.) Nov. 13/27, 1965. 80 Sch9
Includes extraction equipment.

- 61375 MAHADEVIAH, M., and others. Some practical measures to prevent pink discolouration in canned cabbage. *J. Food Sci. Technol. [Mysore]* 2(1):10-16. Apr.1965. 389.8 J823
S. Ranganna, L. V. L. Sastry, H. C. Bhatnagar, G. S. Siddappa, V. K. Sathyavathi, G. R. Shah, K. K. Mookerjee, and J. V. Prabhakar, joint authors.
- 61376 MARKETAN, M. The influence of water on potatoes. (Ge) *Ernahr.-Umsch.* 12(5):137-139. May 1965. 389.8 Er66
Vitamin losses in cookery.
- 61377 MARTIN, S. The state of the industry. II. Vegetables, fruits, meats. *Quick Frozen Foods* 28(3):221-224. (Cont.) Oct.1965. 389.8 Q4
- 61378 MATERIALS handling innovations for farm markets. *Int. Fruit World* 25(1):81-82,85-86, 89,91-92,95,97-99. Spring 1966. 286.83 F9426
Text also in German and French.
Fruit and vegetables.
- 61379 MCQUITTY, J. B. Using existing buildings for bulk storage of potatoes. *Agr. Northern Ireland* 40(4):103-106. Aug.1965. 256.13 Ag82M
- 61380 MOREAU, C., MOREAU, M., and BOMPEIX, G. Lenticellular spot of Golden apples: research on a test to foretell storage losses. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(15):1010-1013. Nov.3/10,1965. 14 P215Bc
Especially *Gloeosporium album*.
Includes discussion.
- 61381 NATIONAL RESEARCH COUNCIL. COMMISSION ON EDUCATION IN AGRICULTURE AND NATURAL RESOURCES. College education for the fruit and vegetable processing industry. *Food Technol.* 20(3):48,50,52. Mar.1966. 389.8 F7398
- 61382 OBERBACHER, M. F., and KNORR, L. C. Increase of rumple and decay in lemon fruits during storage. *Amer. Soc. Hort. Sci. Proc.* 86:260-266. June 1965. 81 So12
- 61383 OMAR, F. A. The effect of isopropyl N(3-chlorophenyl) carbamate on sprouting, shrinkage rate, and the carbohydrate content of sweet potato roots during storage. *Diss. Abs.* 26(8):4156. Feb.1966. 241.8 M58
- 61384 PADFIELD, C. A. S. Cyclic warming treatments as a control for coreflush in cool-stored Granny Smith apples. *New Zeal. J. Agr. Res.* 9(1):78-83. Feb.1966. 23 N4892
- 61385 PADFIELD, C. A. S. Stalk-end scald of Strummer apples. *Orchardist New Zeal.* 39(2):65-66. Mar.1966. 80 Or19
In storage; may be controlled with the chemical scald inhibitors dalapon and ethoxyquin.
- 61386 PEREZ-NIEVAS, C. Lengthening of the marketing cycle for pears. (Sp) *Spain. Inst. Nac. Invest. Agron. Conf.* 1964/65:75-87. Ref. 15 Sp18C
Artificial ripening and storage.
- 61387 PLOPER, J. Handling of vegetables and fruits; basic concepts for their conditioning and transportation. (Sp) *Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman* 42(2/3):29-35. May 1960/Dec.1964. 9 T79
Includes storage.
- 61388 POPPER, K., and others. Dialyzer concentrates beverages. *Food Eng.* 38(4):102,104. Apr.1966. 389.8 F737
W. M. Camirand, F. Nury, and W. L. Stanley, joint authors.
Fruit juice and coffee.
- 61389 PRPIC, Z. Causes of apple spoilage while in storage. (Se) *Biljna Zastita* 9(11/12):217-220. Nov./Dec.1965. 464.8 B49
Chiefly fungi, includes physiological diseases.
- 61390 RAMANATHAN, L. A., and BHATIA, B. S. Dehydrated sambhar. *J. Food Sci. Technol. [Mysore]* 2(1):4-6. Apr.1965. 389.8 J823
Legume cookery in India.
- 61391 RAO, M. S. S., and others. The application of modern methods for the improvement of traditional methods for the production of preserves and pickles with special reference to India. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:227-238. Ref. 1962, pub.1965. TP368.I5
T. C. Soumithri, D. S. Johar, A. Sreenivasan, and V. Subrahmanyam, joint authors.
- 61392 RAO, V. G. An account of the market and storage diseases of fruits and vegetables in Bombay-Maharashtra (India). *Mycopathol. Mycol. Appl.* 28(1/2):165-176. Jan.31,1966. 450 M994
- 61393 ROBERTSON, J., and SISSONS, D. J. The effects of maturity, processing, storage in the pod and cooking on the vitamin C content of fresh peas. *Nutrition* 20(1):21-27. Spring 1966. 389.8 N959
- 61394 SCHLIMME, D. V. Anatomical and physiological aspects of sprout initiation and development in sweet potato storage roots. *Diss. Abs.* 26(9):4947. Mar.1966. 241.8 M58
- 61395 SCHMID, G. From railroad ramp loading to warehouse-grading plant. (Ge) *Schweiz. Z. Obst- Weinbau* 102(4):96-99. Feb.19,1966. 80 Sch9
Fruit.
- 61396 SCHUBERT, O. E. The effect of homogenized orange peel on the organoleptic acceptance of apple juice. *W. Va. Acad. Sci. Proc.* 37:98-101. 1965, pub.1966. 500 W52
- 61397 SHELAMOVA, A. S., and others. Freezing of fruits and vegetables with limited preliminary drying. 5 p. *Transl.* 15246
N. A. Naumova, V. I. Shelaputin, and Z. A. Derbedeneva, joint authors.
Translation from *Konservnaya i Ovoshchesushilnaya Promyshlennost'* 8:15-18. 1963.
- 61398 SISTRUNK, W. A. Effect of storage time and temperature of fresh snap beans on chemical composition of the canned product. *Amer. Soc. Hort. Sci. Proc.* 86:380-386. June 1965. 81 So12
- 61399 SOUTH AUSTRALIA. DRIED FRUITS BOARD. Thirty-sixth report, year ended 28th February, 1965. Adelaide, 1965. 7 p. 281.3939 So82
- 61400 STROCK, H., and others. Effects of agitation and temperature in the deep-fat frying of potatoes. I. *Food Technol.* 20(4):193-196,197. Ref. Apr.1966. 389.8 F7398
C. O. Ball, S. S. Chang, and E. F. Stier, joint authors.
- 61401 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Making pickles and relishes at home. U. S. D. A. Home Gard. Bull. 92,31 p. Mar.1966. 1 Ag84Hg
- 61402 VAN DER MERWE, H. B. Talk on pink pears and softening of Bulidas. *Food Indus. S. Afr.* 18(11):31,33. Mar.1966. 389.8 F7372
In pear and apricot canning.
- 61403 WALLINGFORD, O. H. Basic considerations regarding construction and operation of controlled atmosphere storages. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:29-33. 1964. 82 N85
- 61404 WUCHERPFFENNING. The technology of beverage manufacture. (Ge) *Indus. Obst- Gemuseverwertung* 51(6):183-184. Mar.17,1966. 389.8 K832
Fruit juices.
- 61405 YUFERA, E. P., MOSSE, J. K., and ROYO-IRANZO, J. Gelification in concentrated orange juices. VI. Relationships between gelification, loss of cloud and evolution of pectins in the pulp. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:337-343. Ref. 1962, pub.1965. TP368.I5

- 61406 ARLITT, M. German fruit supply and its development. (Ge) *Fruchthandel* 25:1069-1071. June 18, 1965. 286.83 F9428
Statistical.
- Statistics
- 61407 BADEN-WURTEMBERG, STATISTISCHES LANDESAMT. Die endgultige Gemuseernte 1965 [Final vegetable harvest 1965]. Baden-Wurtemb. Statist. Landesamt. Statist. Ber. Agrardienst 64:357-372. Jan. 13, 1966. 265 St28
- 61408 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California vegetable crops: acreage, production and value 1962-1964; county acreage 1963-1964. Sacramento, 1965. 26 p., map. 252.09 C882C
California Bureau of Agricultural Statistics and U. S. Department of Agriculture Statistical Reporting Service, Cooperating.
- 61409 GRILLENZONI, M. Dynamics and localization of horticultural production in Venezia. (It) *Agr. Venezia* 19(9):393-418. Sept. 1965. 16 Ag826
Statistics and production regions.
- 61410 PERSSON, N. Koksvaxtodlingens omfattning och utvecklingstendenser i nagra vasteuropeiska lander [Extent and trends in vegetable culture in some West European countries]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 81, 16 p. 1966. 11 Up62A
Acreage.
- 61411 PEYER, E. Good and worse wine years. (Ge) *Schweiz. Z. Obst-Weinbau* 101(26):650-654. Dec. 25, 1965. 80 Sch9
Grape yield statistics.
- 61412 REDMOND, L. V. The apple tree survey—Annapolis Valley 1964. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:87-89. 1964. 82 N85
Census.
- 61413 REDMOND, L. V., and EMBREE, C. G. A special report on the findings of the sample census of apple orchards in the Annapolis Valley of Nova Scotia 1964. Nova Scotia Fruit Growers' Ass. Annu. Rep. 101:75-85. 1964. 82 N85
- 61414 SCHWARZENBACH, W. Fruit growing in the Federal industry census 1965. (Ge) *Schweiz. Z. Obst-Weinbau* 101(19):486-487. Sept. 18, 1965. 80 Sch9
- 61415 THOR, E., and others. Root and tuber vegetables, production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-1, 73 p. Jan. 1966. 275.29 C12I
B. B. Burlingame, P. S. Parsons, M. J. Snyder, W. S. Seyman, R. C. King, O. A. Harvey, and H. F. Phelps, joint authors.
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.
Statistics.
- GRAIN AND GRAIN PRODUCTS
- 61416 ACTON, F. E., and PAROUCHAIS, C. Malathion levels in wheat and wheat products. *Food Technol. Australia* 18(2):77, 79, 81. Feb. 1966. 389.8 F7333
- 61417 AHLBORN, F. Milling in the mirror of statistics. (Ge) *Mullerei* 18(19):278-280. May 8, 1965. 298.8 M91
- 61418 AHLSEWEDE, G. Grain care through silo compartment ventilation and pest control. (Ge) *Deut. Muller-Zeitung* 64(4):78-79. Feb. 17, 1966. 298.8 Su2
- 61419 AKIYA, T., and NAKAYAMA, O. Studies on the lipid of rice. 5 p. Transl. 15837
Translation from Food Research Institute. Report 12:71-72. Aug. 1957.
- 61420 ANGERMANN, A. Milling and baking in Tunisia. (Ge) *Muhle* 102(24):441-442. June 17, 1965. 298.8 M89
- 61421 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Durum discussion conference. (Ge) *Muhle* 102(46):894-895. (Cont.) Nov. 18, 1965. 298.8 M89
Abstracts of papers.
- 61422 ARDUINI, A. Difficulties and propositions on flour moisture. (It) *Tec. Molitoria* 16(14):127-129. July 30, 1965. 298.8 Se42
- 61423 ARIAS VELAZQUEZ, C. Relation between moisture of corn cob and corn grain. (Sp) *Agr. Tec. Mex.* 2(5):210-215. July 1965. 8 Ag839
With reference to storage.
- 61424 AUDIDIER, Y., and BASSFELD, L. Microscopic study of changes affecting wheat starch and proteins as well as fats in the course of kneading and baking of rusks. (Fr) *Indus. Aliment. Agr.* 83(1):3-21. Jan. 1966. 383 As7
English summary.
- 61425 BARAYEV, A., and SLOBODIN, V. Possibilities for development of grain production in northern Kazakhstan. (Rus) *Ekon. Sel'skogo Khoz.* 3:87-101. Mar. 1966. 281.8 So73
- 61426 BARBER, S. Rice flour of high nutritive value. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(1):6-9. Jan./Mar. 1965. 389.8 R324
Processing.
- 61427 BARTHOLOMEW, D. P. Physiology of dry Zea mays grain. *Diss. Abs.* 26(9):4989. Mar. 1966. 241.8 M58
- 61428 BELLINI, G. Flour silos. (It) *Tec. Molitoria* 16(12):107-112. June 1965. 298.8 Se42
- 61429 BICKERT, W. G., and BUELOW, F. H. Some aspects of kinetic friction of grains on surfaces. *Amer. Soc. Agr. Eng. Pap.* 323, 23 p. Ref. 1965. 290.9 Am32P
In storage.
- 61430 BIECHY, T. Practice and theory in determining the baking quality of a wheat flour. (Ge) *Muhle* 102(35):665-666. Sept. 2, 1965. 298.8 M89
- 61431 BILANSKI, W. K. The breaking strength of seed grains. *Amer. Soc. Agr. Eng. Pap.* 324, 17 p. 1965. 290.9 Am32P
In harvesting and handling.
- 61432 BINGHAM, J., and WHITMORE, E. T. Varietal differences in wheat in resistance to germination in the ear and alpha-amylase content of the grain. *J. Agr. Sci. [London]* 66(2):197-201. Apr. 1966. 10 J822
- 61433 BITTER, H. On the fresh water consumption of malting establishments with special attention to various softening and malting systems. (Ge) *Brauwelt* 106(12/13):172-176. Feb. 10/15, 1966. 390.8 B732
- 61434 BLINN, R. C., and PASARELA, N. R. Residue determination: colorimetric determination of Abate residues from several environmental conditions. *J. Agr. Food Chem.* 14(2):152-156. Mar./Apr. 1966. 381 J8223
Residues in rice included.
- 61435 BOLLING, H. Evaluation of quality wheats. (Ge) *Mullerei* 18(37):585-586. Sept. 11, 1965. 298.8 M91
Composition.
- 61436 BORASIO, L., and GARIBOLDI, F. Parboiled rice—production and use. 11 p. Ref. Transl. 15010
Translation from *Riso* 12(4):73-85. Dec. 1963.
- 61437 BRENNER, Y. S. The price revolution reconsidered: a reply. *Econ. Hist. Rev.* (ser. 2) 18(2):392-396. Ref. Aug. 1965. 277.8 Ec7
Grain prices in Great Britain.
- 61438 BROOKER, D. B. Non-linear air flow patterns in grain drying systems. *Mo. Agr. Exp. Sta. Res. Bull.* 892, 40 p. Aug. 1965. 100 M693
- 61439 BRUBAKER, J. E., and POS, J. Determining static coefficients of friction of grains on structural surfaces. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):53-55. 1965. 290.9 Am32T
In mechanized storage and handling.
- 61440 BURE, J., and AUDIDIER, Y. Observations on the determination of gluten. (Fr) *Tech. Meun.* 101:5-10. Apr./May 1965. 298.8 T22

- 61441 CAGAMPANG, G. B., and others. Studies on the extraction and composition of rice proteins. *Cereal Chem.* 43(2):145-155. Ref. Mar.1966. 59.8 C33
L. J. Cruz, S. G. Espiritu, R. G. Santiago, and B. O. Juliano, joint authors.
- 61442 CALDERWOOD, D. L. Use of aeration to aid rice drying. *Amer. Soc. Agr. Eng. Pap.* 924, 12 p. 1965. 290.9 Am32P
- 61443 CANADA. BOARD OF GRAIN COMMISSIONERS. GRAIN RESEARCH LABORATORY. Wheat 1964. Canada. Grain Res. Lab. Crop B. 91, 17 p., map. Oct.1964. 59.9 C161C
Quality.
- 61444 CARTER, L. C. Southern field crops: outlook is best for rice, soybeans. *Rice J.* 69(3):26-29. Mar.1966. 59.8 R36
- 61445 CASTILLA CHACON, F. Determination of gluten quality according to the Pelshenke method. (Sp) *Agr. Tec. Mex.* 2(5):226-227. July 1965. 8 Ag839
Especially wheat.
- 61446 CHATURVEDI, J. N. Prices and price-arrivals response of paddy in Bhandara. *Agr. Marketing [Nagpur]* 8(2):14-16, 20. July 1965. 280.38 Ag84
- 61447 CHODA, A., and WILLIS, A. H. Flow regimes of grains in inclined ducts. *Amer. Soc. Agr. Eng. Pap.* 311, 15 p. 1965. 290.9 Am32P
- 61448 CHOPIN, M. On a definition of consistency of flour pastes. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 51(15):1013-1015. Nov.3/10, 1965. 14 P215Bc
- 61449 CINQUETTI, M. Equipment for corn degermination. (It) *Tec. Molitoria* 16(10):97-101. May 30, 1965. 298.8 Se42
- 61450 CONSEIL NATIONAL DU PATRONAT FRANCAIS. Conclusions presented by President Villiers and adopted by the General Assembly of the National Council of French Patronate, January 18, 1966. (Fr) *Meun. Franc.* 219:29-32. Jan.1966. 298.8 M57
Policies.
- 61451 CONSEIL NATIONAL DU PATRONAT FRANCAIS. Note on the role and power of European Economic Community. (Fr) *Meun. Franc.* 219:33-37. Jan.1966. 298.8 M57
- 61452 CORLEY, E. M. Estimated effects of variations in wheat production upon cost levels of country elevators in northwestern Oklahoma. *Diss. Abs.* 26(3):1387. Sept.1965. 241.8 M58
- 61453 CORREDI, A. Production and marketing of grains in the world. I. Canada. (It) *Molini Ital.* 15(9):328-333. Sept.1964. 298.8 M73
- 61454 CORREDI, A. Production and marketing of grains in the world. V. Japan. (It) *Molini Ital.* 16(2):62-63. Feb.1965. 298.8 M73
- 61455 DAFTARY, R. D., and POMERANZ, Y. Dispersion of cereal proteins in urea solutions. *J. Sci. Food Agr.* 17(2):72-73. Ref. Feb.1966. 382 So12
- 61456 DANDEKAR, V. M. Minimum support prices for foodgrains: guidelines for a policy and a programme. *Gokhale Inst. Polit. Econ. J.* 7(4):273-284. Dec.1965. 280.9 G56A
- 61457 DANIELS, N. W. R., and others. Studies on the lipids of flour. III. Lipid binding in bread-making. *J. Sci. Food Agr.* 17(1):20-29. Ref. Jan.1966. 382 So12
J. W. Richmond, P. W. R. Eggitt, and J. B. M. Coppock, joint authors.
- 61458 DESCHREIDER, A. R. Adhesive and inserted proteins; note on their differences. (Ge) *Getreide Mehl* 16(3):26-29. Mar.1966. 298.8 G332
Extraction and chromatographic investigation.
- 61459 DEVELOPMENT of the grain processing industry in the last twenty years. (Hu) *Malomipar Termenyforgalom* 12(8):277-317. Sept./Oct.1965. 298.8 M292
- 61460 DREWS, E. Grain quality and drying. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(8):294-295. Feb.24, 1966. 18 N39
- 61461 DREWS, E. The importance of mucins for the evaluation of rye quality. (Ge) *Getreide Mehl* 16(3):21-26. Ref. Mar.1966. 298.8 G332
- 61462 DREWS, E. Problems of quality in rye milling. (Ge) *Muhle* 102(45):875-878. Nov.11, 1965. 298.8 M89
- 61463 EKSTROM, G. A., LILJEDAHN, J. B., and PEART, R. M. Thermal expansion and tensile properties of corn kernels and their relationship to cracking during drying. *Amer. Soc. Agr. Eng. Pap.* 809, 23 p. Ref. 1965. 290.9 Am32P
- 61464 ELTON, G. A. H., and EWART, J. A. D. Glutens and gliadins: electrophoretic studies. *J. Sci. Food Agr.* 17(1):34-38. Ref. Jan.1966. 382 So12
Quality; from wheat flour.
- 61465 ESCRIBANO, M. J., and GRABAR, P. Immunochemical studies on insoluble proteins of wheat flour after splitting of their disulfide bonds. (Fr) *Inst. Pasteur. Ann.* 110(3, sup.):84-87. Mar.1966. 448.3 An75
English summary
- 61466 EWART, J. A. D. Cereals and cereal products. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:395-406. Ref. 1964. 382 M31R
Literature review.
- 61467 EWART, J. A. D. Fingerprinting of glutenin and gliadin. *J. Sci. Food Agr.* 17(1):30-33. Ref. Jan.1966. 382 So12
From flour; preparation.
- 61468 FENAROLI, L. On storage conditions of corn grain. (It) *Genio Rurale* 29(1):73-80. Jan. 1966. 281.8 R522
- 61469 FERRIS, W. G. The great corner; Joseph Leiter and P. D. Armour fought the battle of the wheat corner in the pits of the Chicago Board of Trade. *Farm Quart.* 21(2):107, 116, 118, 120, 123. Spring 1966. 6 F22995
Early marketing.
- 61470 FLEMING, I. J. Bulk handling and the "third revolution." *Agr. Merchant* 45(6):54-55, 57-58. June 1965. 10 Ag89
Grain, feeding stuffs, and fertilizers in Great Britain.
- 61471 FOSTER, G. H. Moisture changes during aeration of grain. *Amer. Soc. Agr. Eng. Pap.* 921, 14 p. 1965. 290.9 Am32P
- 61472 FOX, R. W. Some possible production and trade effects of the EEC's common agricultural policy for grains. *Diss. Abs.* 26(8):4292-4293. Feb.1966. 241.8 M58
- 61473 FRITSCH, E. Silo form and harvesting tendency. (Ge) *Mullerei* 18(23):353-354. June 5, 1965. 298.8 M91
Grain handling.
- 61474 FRITSCH, E. Trends in bakery technique and its position with regard to flour manufacture. (Ge) *Mullerei* 18(37):583-584. (Cont.) Sept.11, 1965. 298.8 M91
- 61475 FRITSCH, R. What use can a miller make of laboratory studies? (Ge) *Muhle* 102(35):667-668. Sept.2, 1965. 298.8 M89
- 61476 FRITZ, A., ULONSKA, E., and LENZ, W. On the Ultra-Hygrofix rapid moisture meter. (Ge) *Brauwissenschaft* 18(7):255-257. July 1965. 390.8 B733
English summary.
For barley.
- 61477 FRITZ, A., ULONSKA, E., and LENZ, W. Problem of oxygen supply for germinating barley. (Ge) *Brauwissenschaft* 18(5):177-181. Ref. May 1965. 390.8 B733
English summary.
- 61478 GARRETT, R. E., and BROOKER, D. B. Aerodynamic drag of farm grains. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):49-52. 1965. 290.9 Am32T
Under flow conditions during processing.

- 61479 GEHLE, H. Preliminary studies on the history of milling. (Ge) Muhle 102(32):609-611. Aug.12,1965. 298.8 M89
- 61480 GERTLER, A., and BIRK, Y. The role of sulphydryl groups in soybean beta-amylase. Biochim. Biophys. Acta 118(1):98-105. Ref. Apr.12,1966. 381 B522
Prepared from soybean flour.
- 61481 GMUR, B. Labor procedures for flour storage and packing. (Ge) Muhle 102(46):891-893. Nov.18,1965. 298.8 M89
- 61482 GOETSCH, F. L. Shipping rates affect grains. Doane's Agr. Rep. 29(11):18-20,22. Apr.8,1966. 281.8 D652
Railway.
- 61483 GORBITZ, A., and LUNA, R. Quinoa in Peru. (Sp) Vida Agr. [Lima] 42(495):67-69,71,73,75-82. Ref. Feb.1965. 9.8 V66
Culture, composition, and use.
- 61484 GRADY, J. C. Wheat turnaround. Fed. Reserve Bank Dallas. Bus. Rev., Mar.1966:3-7. 284.8 F31D
- 61485 GRAFIUS, J. E. Malting quality in winter barley. Master Brewers Ass. Amer. Tech. Quart. 3(2):156-157. Apr./June 1966. 390.9 M39T
- 61486 HAEGER, P. M. Why we aim for food page publicity. Peanut J. Nut World 45(6):24. Apr.7,1966. 77.8 P313
Popcorn.
- 61487 HALAS, P. A. Strobe lights can save many dollars. Grain Age 7(5):9-10,12,14,16. May 1966. 281.8 G76
- 61488 HAMPEL, B. Determination of animal pollution. (Ge) Deut. Muller-Zeitung 63(4):73-76. Feb.18,1965. 298.8 Su2
Tests used in the United States and Germany for filth control in grain and grain products; includes insect contamination.
- 61489 HANSON, L. C. The great blizzard, the big flood, report on North Dakota. Grainmen's Mirror 46(4):7. Apr.1966. 286.81 G76
Commodity Credit Corporation stocks of grain.
- 61490 HANZELIK, F. Some physical properties of the spike of wheat of the varieties Kosuty and Diana I. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:253-261. 1964. 281.9 N632
English summary.
- 61491 HARDACH, F. W. Trends in the development of the milling industry. (Ge) Getreide Mehl 16(4):34-42. Apr.1966. 298.8 G332
- 61492 HASSALL, P. Marketing and market information in France. Agr. Merchant 45(7):63-64,66-67. July 1965. 10 Ag89
Cereals.
- 61493 HECHT, H. Protein forecasting in single wheat stands. (Ge) Bayer. Landwirt. Jahrbuch 42(4):425-431. 1965. 18 L24
Kjeldahl test used.
- 61494 HECHT, H. Rapid methods for protein determination in barley. (Ge) Brauwissenschaft 18(7):249-251. July 1965. 290.8 B733
English summary.
- 61495 HEFFELFINGER, W. K. Happiness is—to the Yankees it's a four game sweep; to a miller it's quality wheat. Northwest. Miller 273(4):54-56. Apr.1966. 298.8 N81
- 61496 HERMESDORF, R. Men of corn. (Sp) Panagra 2(29):46-47. Jan.1,1964. 8 P196
History.
- 61497 HIRANANDANI, G. J. Some aspects of storage, drying, cleaning, grading and marketing food-grains. Agr. Marketing [Nagpur] 8(2):4-6. July 1965. 280.38 Ag84
India.
- 61498 HOHNER, G. A., and BROOKER, D. B. An analog of grain cooling by cross-flow aeration in tall structures. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):56-59,62. 1965. 290.9 Am32T
- 61499 HOPF, L. The dependence of sieve analysis value on moisture. (Ge) Muhle 18(35):545-546. Aug.28,1965. 298.8 M89
- 61500 HOPF, L. The influence of coarse meal. (Ge) Mullerei 19(9):113-114. Feb.26,1966. 298.8 M91
Wheat and flour quality.
- 61501 HOPF, L. The limits of rebound driving. (Ge) Mullerei 18(25):385-386. June 19,1965. 298.8 M91
- 61502 HOPF, L. Milling out in a new light. (Ge) Mullerei 18(32):501-502. Aug.7,1965. 298.8 M91
- 61503 HOPF, L. The selection of buggy wheats. (Ge) Mullerei 18(23):349-350. June 5,1965. 298.8 M91
- 61504 IBRANYI, K. Analysis of some wheat characteristics for the augmentation of the grading process. 10 p. Transl. 14772
Translation from Malomipar es Termenyforgalom, p.462-468. n.d.
- 61505 ILLINOIS, UNIVERSITY, COLLEGE OF AGRICULTURE, DEPT. OF AGRICULTURAL ECONOMICS. Elevator charges for drying, storing, and merchandising corn, April 1966. Ill. Univ. Coll. Agr. Dep. Agr. Econ. Res. Rep. AERR 80,17,p.,map. 1966. 281.9 IL62
- 61506 ISEBAERT, L., and BEEKEN, R. VAN DER. Research on the influence of kiln drying temperature. (Du) Int. Tijdschr. Brouwerij Mouterij 25(4):99-103. 1965/1966. 390.8 R32Af
Malt.
- 61507 ISEBAERT, L. Correlation of various barley and malt analysis data with protein content. (Ge) Brauwissenschaft 18(7):252-255. July 1965. 290.8 B733
English summary.
- 61508 JANSEN, G. R., HUTCHISON, C. F., and ZANNETTI, M. E. Supplementation of bread with fish flour and amino acids—a comparison of evaluation methods. Food Technol. 20(3):91-94. Ref. Mar.1966. 389.8 F7398
- 61509 JOHANSEN, A. F. How much does it pay to dry grain? (No) Norsk Landbruk 19:14-15. Sept.24,1965. 11 N8122
- 61510 JUNGE, J. The degermination of grain in the process of grinding. (It) Tec. Molitoria 16(16):107-113. Aug.30,1965. 298.8 Se42
- 61511 KARRER, K. Brightness and color measurement of durum milled products. (Ge) Mullerei 19(9):114-116. Feb.26,1966. 298.8 M91
- 61512 KASKE, W. Grain drying by direct effect of the fuel gases; food law observations. (Ge) Muhle 102(33):630-631. Aug.19,1965. 298.8 M89
- 61513 KAZARIAN, E. A., and HALL, C. W. Thermal properties of grain. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):33-37,48. Ref. 1965. 290.9 Am32T
- 61514 KIENESWENGER, K. Foreign seeds and diseases that affect the color of flour. (It) Tec. Molitoria 17(4):84-86. Feb.28,1966. 298.8 Se42
- 61515 KLING, H. The proteins of barley—a review. (Ge) Monatsschr. Brauerei 19(3):49-52. Ref. Mar.1966. 390.8 B7323
Literature review.
- 61516 KNIPPER, N. V. Use of high-frequency currents for grain drying. 12 p. Transl. 14066
Translation from Nauch. Trud. Elektrif. Selkhoz. 2. 1956.
- 61517 KRAMER, U. USA procedures in bulk goods loading. I. (Ge) Muhle 102(28):532,535. July 15,1965. 298.8 M89
Grain.
- 61518 KRAMER, U. USA procedures in bulk goods loading. II. (Ge) Muhle 102(29):554-556. July 22,1965. 298.8 M89
Grain.

- 61519 KURASAWA, H., HAYAKAWA, T., and IGAUE, I. Biochemical study of rice starch. XII. Iso-amylase fraction in seedrice at the milky stage. 15 p. Ref. Transl. 14418
Translation from Agricultural Chemical Society of Japan. Journal 34(2):183-187. 1960.
- 61520 LEITAO E SILVA, J. Trends and projections of rice in Brazil for the years 1963 to 1970. (Por) Rev. Ceres 12(69):125-138. Jan./June 1965. 9.2 C332
English summary.
- 61521 LEMP, U. Working equipment for grain size sieve analysis. (Ge) Muhle 102(35):668-669. Sept.2,1965. 298.8 M89
- 61522 LOPEZ, C. O. Stored grain and temperature. (Sp) Soc. Rural Argent. An. 99(3):28-30,46-48. Mar.1965. 9 So1
- 61523 MADURERI, E. Increase of mill production. (It) Tec. Molitoria 16(12):89-97. June 1965. 298.8 Se42
- 61524 MALACCORTO, E. Foreseeable changes in the wheat market. (Sp) Bolsa Com. Rosario. Rev. 54(1297):10-12. Feb.15,1966. 287 R71
- 61525 MATVEEF. New methods of appreciating seed cover and germ of wheat grain. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(15):1037-1045. Nov.3/10,1965. 14 P215Bc
- 61526 MCVEY, D. H. Regional grain cooperatives, 1963-64; 26th annual report. U. S. Farmer Coop. Serv. Serv. Rep. 73,28 p.,map. June 1965. A280.29 F22
Have also 1962-63: 25th annual report.
- 61527 MEDCALF, D. G., GILLES, K. A., and SIBBITT, L. D. Detection of sprout damage in wheat. Northwest. Miller 273(5):16-18. May 1966. 298.8 N81
- 61528 MEREDITH, O. B., and WREN, J. J. Determination of molecular-weight distribution in wheat-flour proteins by extraction and gel filtration in a dissociating medium. Cereal Chem. 43(2):169-186. Ref.,p.184-186. Mar.1966. 59.8 C33
- 61529 MILNER, R. Grain transportation in Ohio. Ohio. State Univ. Ext. Bull. 468,8 p.,map. Nov. 1965. 275.29 Oh32
By rail and truck.
- 61530 MINNEAPOLIS GRAIN EXCHANGE. Eighty-third annual report for the year ending December 31st, 1965. Minneapolis, 1966. 69 p. 287 M66R
Statistics.
- 61531 MITCHISON, R. The movements of Scottish corn prices in the seventeenth and eighteenth centuries. Econ. Hist. Rev. (ser.2)18(2):278-291. Ref. Aug.1965. 277.8 Ec7
- 61532 MUKHERJEE, P. L. Handling and grading food grains in Canada. Agr. Marketing [Nagpur] 8(2):10-13,9. July 1965. 280.38 Ag84
- 61533 NARZISS, L., and KIENINGER, H. Research on the influence of green malt water content during germination on the enzymic properties of the malt prepared from it. (Ge) Brauwissenschaft 18(9):324-328. Sept.1965. 390.8 B733
English summary.
- 61534 NELSON, S. O. Dielectric properties of grain and seed in the 1 to 50-MC range. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):38-48. Ref. 1965. 290.9 Am32T
- 61535 NEVZOROV, V., and KREIDIK, B. Reserves for increasing grain production in Tadzhikistan. 6 p. (JPRS 24,262; OTS 64-31106; CSO 9121-N) Transl. 14211
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo Tadzhikistana 10:14-17. Oct. 1963.
CFSTI: \$0.50.
- 61536 NIERMANN, G. Current problems of the grain and milling industry. (Ge) Muhle 102(23):432-433. June 10,1965. 298.8 M89
- 61537 NIKOLAEV, B. A., and SHKADINA, S. S. The influence of the gamma-irradiation of wheat flour on its quality on the elastic-flexible-sticky properties of gluten proteins, on doughs, and also on the quality of the bread. 6 p. (TT 63-23402) Transl. 15375
Translation from Khlebopekarnaya i Konditerskaya Promyshlennost' 4(5):8-10. 1960.
Issued by CFSTI.
- 61538 OH, Y. H. Characterization, structure, and interaction studies on wheat protein macromolecules. Diss. Abs. 26(3):1326. Sept.1965. 241.8 M58
- 61539 OLSON, J. R. G. An economic analysis of the Northwestern flour milling industry with special reference to taxation and location. Diss. Abs. 26(9):5099-5100. Mar.1966. 241.8 M58
- 61540 OMAHA GRAIN EXCHANGE. Sixty-second annual report, 1965. Omaha, 1965. 15 p. 287 Om12
- 61541 OURY, B. R. P. A tentative production model for wheat and feedgrains in France (1946-1961). Diss. Abs. 26(3):1392-1393. Sept.1965. 241.8 M58
- 61542 ONATE, B. T., and MOOMAW, J. C. Variability of characteristics in rice research. Philippine Agr. 49(1):8-15. June 1965. 25 P542
Statistical methods.
- 61543 PARKER, W. N., and KLEIN, J. L. V. Productivity growth in grain production in the United States, 1840-60 and 1900-10. Nat. Bur. Econ. Res. Stud. Income Wealth 30:523-582. 1966. 284 C765
Bibliography, p.575-580.
Comment by G. T. Barton, p.580-582.
- 61544 PARVIS, W. J. Our experiences with rotating type of phase converters on grain dryers. Amer. Soc. Agr. Eng. Pap. 318,4 p. 1965. 290.9 Am32P
- 61545 PELSHENKE, P. F., BOLLING, H., and SEIBEL, W. The quality of foreign wheat and rye 1958 to 1963. (Ge) Muhle 102(33):625-629; (34):645-649. Aug.19-26,1965. 298.8 M89
- 61546 PELSHENKE, P. F., and others. On the quality of the 1965 wheat harvest. (Ge) Muhle 102(37):702-703. Sept.16,1965. 298.8 M89
H. Bolling, F. Springer, and H. Zwingelberg, joint authors.
- 61547 PERINI, E. Aleurone and gluten. (It) Tec. Molitoria 17(4):110-112. Feb.28,1966. 298.8 Se42
Structure and properties.
- 61548 PERINI, E. Production of biologically complete and naturally white flours without recourse to chemical additives. (It) Tec. Molitoria 16(14):89-101. Ref. July 30,1965. 298.8 Se42
- 61549 PETERSON, E. E. Signs of the future for feed grain producers. Big Farmer 38(2):100-101. Spring 1966. 58.8 B46
- 61550 PHAM-DINH-NGOC. Rice policy in Vietnam since 1962. (Fr) Banque Nat. Viet-Nam. Bull. Econ. 11(2):19-22. Feb.1965. 280.8 B2296
- 61551 PIGOZZI, L. Transportation of bulk flour from the mill to the bakery. (Ge) Muhle 102(33):629-630. Aug.19,1965. 298.8 M89
Italy.
- 61552 PLATONOV, A. N. Osnovy organizatsii i planirovaniya khlebopriemnykh predpriyatii [Organization and planning in grain purchasing enterprises]. Ed. 2, rev. and enl. Moskva, Kolos, 1966. 135 p. HD9045.U4P5
- 61553 POMERANZ, Y., and FINNEY, K. F. The influence of drying and steam conditioning of wheat on the solubility of flour proteins in solutions of urea. (Ge) Getreide Mehl 16(3):29-31. Mar.1966. 298.8 G332
- 61554 POMERANZ, Y., RUBENTHALER, G. L., and FINNEY, K. F. Evaluation of the effects of proteolytic enzymes on bread flour properties. Food Technol. 20(3):95-98. Ref. Mar.1966. 389.8 F7398

- 61555 PORTERES, R. Names of rice in Guinea. (Fr) J. Agr. Trop. Bot. Appl. 12(11):595-638. (Cont.) Nov.1965. 26 J822
- 61556 PRIMO, E., BARBER, S., and GARCIA, A. Rice quality factors. XV. Effect of partial defatting on quality. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):106-111. Jan./Mar.1965. 389.8 R324
English summary, p.90.
- 61557 RAJKI, A. Hundred twenty-five years. (Hu) Malomipar Termenyforgalom 12(5):183-187. May 1965. 298.8 M292
Milling history in Hungary.
- 61558 RATH, N. On fixation of price in agriculture on the basis of cost of production. Gokhale Inst. Polit. Econ. J. 7(4):321-330. Dec.1965. 280.9 G56A
Grain.
- 61559 REMESLO, V. Improving the winter wheat situation in the Ukraine. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:12-14. Mar.30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Translation from Pravda, Mar.11,1966:3. Issued by CFSTI.
- 61560 RIJNENBERG. Talks from milling practice. (Du) Molenaar Weekbl. 68(38):974. Sept.21, 1965. 298.8 M732
- 61561 ROHRLICH, M., and NIEDERAUER, T. Wind sieve effect and protein separation through sedimentation according to K. Hess. (Ge) Muhle 102(37):699-701. Ref. Sept.16,1965. 298.8 M89
Wheat flour.
- 61562 ROWLANDS, D. G. The in vitro and in vivo metabolism of dimethoate by stored wheat and sorghum grains. J. Sci. Food Agr. 17(2):90-93. Ref. Feb.1966. 382 S012
- 61563 RUWE, D. M., MURPHY, G., and BOCKHOP, C. W. Gamma-ray attenuation coefficients of grains & forages. Amer. Soc. Agr. Eng. Pap. 333,8 p. 1965. 290.9 Am32P
For mold and insect control.
- 61564 SCHROEDER, H. W., and ASHWORTH, L. J. Aflatoxins: some factors affecting production and location of toxins in *Aspergillus flavus oryzae*. J. Stored Prod. Res. 1(3):267-271. Feb.1966. 421 J829
Isolated from rice and peanuts.
- 61565 SCOTT, J. H. Flour milling trends. 7. New flour products and uses. Milling 146(9):214-216. Mar.4,1966. 298.8 M622
- 61566 SCRIBAN, R. Analyses of barley and malt. (Fr) Fermentatio 3:111-133. 1965. 390.8 F38
- 61567 SHOVE, G. C. Analog computer solution of air distribution in perforated ducts. Amer. Soc. Agr. Eng. Pap. 312,9 p. 1965. 290.9 Am32P
Grain aeration.
- 61568 SHOVE, G. C., and OLVER, E. F. Establishment of temperature gradients in drying grain. Amer. Soc. Agr. Eng. Pap. 920,6 p. 1965. 290.9 Am32P
- 61569 SIBBITT, L. D., and GILLES, K. A. The quality of North Dakota's 1965 hard red spring wheat. N. Dak. Farm Res. 24(3):15-26, map. Jan./Feb.1966. 100 N813B
Tests.
- 61570 SMITH, H. V. Transportation of grain in the Southwestern States by rail and truck, 1960-62. U. S. D. A. Statist. Bull. 367,26 p. Feb.1966. 1 Ag84St
Statistics.
- 61571 SNYDER, L. H., ROLLER, W. L., and HALL, G. E. Coefficients of kinetic friction of wheat on various metal surfaces. Amer. Soc. Agr. Eng. Pap. 321,14 p. 1965. 290.9 Am32P
In storage.
- 61572 SOEBARNA. Population increase and rice production. 11 p. (JPRS 4118) Transl. 14822
Indonesia.
Translation from Dian 8(2):2-5; (4):2-6. Mar.-Apr.1960.
- 61573 SOGN, A. B. More farm service centers? Grain Feed J. 123(8):29-30. Apr.27,1966. 298.8 G762
Grain elevators.
- 61574 SOLLAZZO, G. L. C. The presence of starch-protein as element of distinction between *Triticum durum* and *sativum*. (It) Tec. Molitoria 17(4):57-60. Feb.28,1966. 298.8 Se42
English summary.
Flour research.
- 61575 TADIC, D. Production and consumption of wheat in 1959-1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:27-36. Mar.22,1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from Jugoslovenski Pregled 10: 379-382. Oct.1965.
Issued by CFSTI.
- 61576 TARANOV, M. T. Storage of high-moistured grain. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:87-91. Mar.1966. 20 V633
English summary.
- 61577 TEODORESCU, R. Considerations on the methods of analysis and control of the cereals destined for milling. (Rum) Indus. Aliment. 15(6/7):261-264,269. June/July 1964. 389.8 In26
English summary.
- 61578 THEIMER, O. F. Giant American silos of the Farmers' Union Grain Terminal Association. (Ge) Muhle 102(28):521-524,527. July 15,1965. 298.8 M89
- 61579 TIMM, E. The quality of German wheat varieties. (Ge) Mitt. Deut. Landwirt.-Ges. 81(12): 512-517. Mar.24,1966. 18 N39
- 61580 TIRELLI, M. Trenches for wheat storage in Puglia. (It) Tec. Molitoria 16(12):98-102. June 1965. 298.8 Se42
- 61581 TKACHUK, R. Amino acid composition of wheat flours. Cereal Chem. 43(2):207-223. Ref. Mar.1966. 59.8 C33
- 61582 TKACHUK, R. Note on the nitrogen-to-protein conversion factor for wheat flour. Cereal Chem. 43(2):223-225. Mar.1966. 59.8 C33
- 61583 TOMIZAWA, C., and others. Studies on residue analysis of pesticides in plant materials. 1-2. (Ja) Food Hyg. Soc. Jap. J. 7(1):26-38. Ref. Feb.1966. 389.9 N57
A. Kobayashi, M. Shibuya, Y. Koshimizu, and Y. Ota, joint authors.
English summary.
Rice.
- 61584 TUL'CHINSKII, E. M. Konstruktsii i montazh oborudovaniya elevatorov i khlebpriemnykh punktov [Construction and assembling equipment of grain elevators and grain purchasing stations]. Moskva, Kolos, 1965. 296 p. Ref. TJ1415.T8
- 61585 TWEETEN, L. G., and TYNER, F. H. The utility concept of net social cost, a criterion for public policy. Agr. Econ. Res. 18(2):33-42. Ref. Apr.1966. 1 Ec7Agr
With special reference to wheat price control programs.
- 61586 UPTON, E. M., and HESTER, E. E. Nonstarchy polysaccharides and proteins of soft wheat flour tailings. Cereal Chem. 43(2):156-168. Ref. Mar.1966. 59.8 C33
- 61587 UPTON, E. M. An investigation of the non-starchy polysaccharides and proteins of soft wheat flour tailings. Diss. Abs. 26(9):5406-5407. Mar.1966. 241.8 M58
- 61588 U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. Official grain standards of the United States. U. S. Consum. Marketing Serv. Cotton Div. SRA-C&MS-177,62 p. 1966. 1 M34S
- 61589 VALATIN, L. The quality of combine-harvested wheat in 1965. (Hu) Malomipar Termenyforgalom 13(1):9-11. Jan./Feb.1966. 298.8 M292

- 61590 VAMOSI, J. Experiences in ventilation storage of unshelled corn. (Hu) Magyar Mezogazdasag 21(6):11-12. Feb.9,1966. 19 M27
- 61591 VARGA, K. The economy of transportation of bulk flour and milled products. (Hu) Malomipar Termenyforgalom 13(1):15-20. Jan./Feb. 1966. 298.8 M292
- 61592 WEITH, L. The saccharification power of brewing malts. (Ge) Brauwissenschaft 18(6): 209-211. June 1965. 390.8 B733
English summary.
- 61593 WHEAT in the Italian economy. (It) Agr. Italia 11(6):49-58. June 1965. 16 Ag8232
- 61594 WHERRY, E. K. The marketing of wheat, barley and oats. Agr. Merchant 45(12):63, 65,67-68. Dec.1965. 10 Ag89
Great Britain.
- 61595 WILLIAMS, M. A. Introduction to grain expansion. Amer. Soc. Agr. Eng. Pap. 851,5 p. 1965. 290.9 Am32P
Puffing process.
- 61596 WINZOR, D. J. Detection of interaction in gluten extracts by gel filtration. Arch. Biochim. Biophys. 113(2):421-426. Ref. Feb.1966. 381 Ar2
From flour.
- 61597 WYSS, E. Corn-its origin and use. II. (Ge) Mullerei 18(25):387-389. June 19,1965. 298.8 M91
Installment deals with products.
- 61598 YARHAM, E. R. Orient's staff of life filling the world's rice bowls. Australian Food Manufacture Distributor 35(8):30,32,36,38. Mar.10, 1966. 389.8 Au7
- 61599 YOSHINO, D., and MATSUMOTO, H. Colloid titration of wheat proteins, dough, and flour. Cereal Chem. 43(2):187-195. Ref. Mar.1966. 59.8 C33
- 61600 YOSHINO, D., and MCCALLA, A. G. The effects of sulfur content on the properties of wheat gluten. Can. J. Biochem. 44(3):339-346. Ref. Mar.1966. 470 C16E
- 61601 YOUNG L., N. Modifications in the nutritive value of some foods. (Sp) Inst. Invest. Tec Rev. 7(33):7-16. Jan./Feb.1965. 241.4 In73
Changes in grain during milling and milk during drying.
- 61602 YU, I. N. The level of grain and cotton production in communist China. (Ch) China Mon. 7: 14-16. July 1,1965. 280.8 T78
- 61603 YUAN, H. Y. Uronic acids in hemicellulose-B of rice straw. Acad. Sinica. Inst. Chem. Bull. 11:57-60. Dec.1965. 385 Ac1B
- HONEY AND BEESWAX**
- 61604 DUISBERG, H. Open questions. (Ge) Z. Bienenforsch. 8(5):162-167. Ref. Jan.1966. 424.8 Z3
English summary.
The unsolved scientific aspects of honey.
- 61605 HAEGER, P. Coming headlines for honey. Amer. Bee J. 106(2):60. Feb.1966. 424.8 Am3
- 61606 HANSSON, A. An instrument for determining the consistency of honey. (Ge) Z. Bienenforsch. 8(6):187-190. Feb.1966. 424.8 Z3
English summary.
- 61607 JEANNE, F. Pasteurization of honey; reply to M. Boiteux. (Fr) Gaz. Apic. 67(706):54-55. Mar.1966. 424.8 G25
- 61608 LANGRIDGE, D. F. An investigation into some quality aspects of Victorian honey. 1-3. J. Agr. [Melbourne] 64(2):81-90. Feb.1966. 23 V66J
1, Diastase activity of honey as produced in nature; 2, Effects of summer temperatures on diastase index of honey in the hive; 3, Effects of processing on diastase index of honey.
- 61609 LOUVEAUX, J. Pollen analysis of some Canadian honeys. (Ge) Z. Bienenforsch. 8(6):195-202, map. Feb.1966. 424.8 Z3
English summary.
- 61610 MEIER, R. How can I protect my pussy willow from vandals? (Ge) Schweiz. Bienen-Ztg. (n.s.)88(10):498-500. Oct.1965. 424.8 Sch9
Honey plant.
- 61611 PROPERTIES of different types of honey. (Fr) Apiculteur 110(2):43-45. Feb.1966. 424.8 Ap3
From different honey plant sources.
- 61612 ROF CODINA, J. Function and importance of honey. (Sp) Vida Agr. [Lima] 42(495):111-114. Feb.1965. 9.8 V66
Composition and properties.
- 61613 SMITH, F. G. The sucrose content of Western Australian honey. J. Apicult. Res. 4(3):177-184. Ref. 1965. 424.8 J82
- 61614 SPENGLER, G., and WEBER, A. Determination of the beeswax content of the wax compositions with the help of dielectric constant, viscosity and acid value. (Ge) Fette, Seifen, Anstrichmittel 68(3):173-176. Mar.1966. 384 C422
English summary.
- 61615 TONTZ, C. A taste of honey. Gleanings Bee Cult. 94(1):22-23. Jan.1966. 424.8 G47
Packaging and labeling.
- LIVESTOCK AND LIVESTOCK PRODUCTS**
- 61616 AUNAN, W. J. What's new in meat research. Western Meat Indus. 12(4,i.e.5):11-12,18-20. May 1966. 50.8 W52
- 61617 BRAY, J. O. Beef productivity increases in the southeastern United States since 1920. Food Res. Inst. Stud. 6(1):65-94. Ref. 1966. 389.8 F7382
Beef cattle industry.
- 61618 BREIMYER, H. F. What's ahead for livestock? Cattleman 52(10):18,22,24. Mar.1966. 49 C29
- 61619 BUCZYNSKI, R. Changes in the number of animals during the fiscal year 1963/1964 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 324: 9-15. Dec.14,1965. (JPRS 27,836)
173 J663Ste
Translation from Nowe Rolnictwo 19:20-23. Oct.1964.
Issued by CFSTI.
- 61620 CARIA, E. Prospects of new directions of production for sheep raising in Sardinia. (It) Agr. Italia 11(11):47-52. Nov.1965. 16 Ag8232
- 61621 CHEPURNOV, I. Economic problems pertaining to the development of animal husbandry—basic directions of the growth of economic effectiveness in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 102:5-18. Oct.27,1965. (JPRS 32,582; TT: 65-33061)
173 J663Tso
Outlook.
Translation from Voprosy Ekonomiki 8:22-30. Aug.1965.
Issued by CFSTI.
- 61622 COOPER, D. R., and GALLOWAY, A. C. Curing methods for wet salted hides. II. The re-use of salt for the curing of hides. Amer. Leather Chem. Ass. J. 61(4):162-170. Ref. Apr.1966. 303.9 Am32
- 61623 DATTILO, M. Trends in livestock production and animal nutrition in France. (It) Aliment. Anim. 9(6/7):291-295. June/July 1965. 389.78 AL4
- 61624 D'EASUM, C. G. Changing hardships to opportunity. Ext. Serv. Rev. 37(3):11-13. Mar.1966. 1 Ex892Ex
Beef cattle raising by Indians in Idaho.
- 61625 ENGLISH, R. E. Cattle. Alberta Farm Econ. 3(2):3-4. Spring 1965. 281.8 AL52
Outlook.
- 61626 ENGLISH, R. E. The outlook for cattle. Alberta Farm Econ. 4(1):3. Winter 1966. 281.8 AL12
Beef cattle.
- 61627 FLORES, P. C. For the progress of national livestock raising. (Sp) Nuestra Tierra 8(78): 175-176. Nov./Dec.1964. 8 N882
Policy.

Analysis and Composition

- 61628 HARING, F. Measures for adapting meat production to market requirements and consumer preferences. (Ge) (Extr.) Neue Fleischer Zeitung 67/68:7-8. June 5, 1965. 286.85 N39
- 61629 HUMMEL, G. Decision of the Presidium of the Council of Ministers of DDR on January 7, 1965 on further measures for improving the planning and management of agriculture by economic means in 1966. (Ge) Monatsh. Veterinarmed. 21(1):1-3. Jan. 1, 1966. 41.8 M742
English summary.
Animal husbandry.
- 61630 INTERNATIONAL HIDE AND ALLIED TRADES IMPROVEMENT SOCIETY. Reports presented by France at the XV congress. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(8/10), 189 p. Aug./Oct. 1965. 303.8 B87
- 61631 KRAMER, H. Possibilities of influencing milk and beef production. (Ge) Deut. Milk.-Zeitung 87(13):475-476. Mar. 31, 1966. 44.8 Su2
Policy.
- 61632 KUDRYAVTSEV, L. E. Intensification of the livestock industry in Altai. (Rus) Zhivotnovodstvo 3:19-27. Mar. 1966. 49 Z6
- 61633 KULMBACH. BUNDESANSTALT FÜR FLEISCHFORSCHUNG. Convention, October 25-27, 1965 in Kulmbach; summaries of papers. (Ge) Fleischwirtschaft 46(1):56-60. (Concl.) Jan. 1966. 280.38 F62
- 61634 LORINCZ, F., and LENCSEPETI, J. Results of the first five years of activity of the Hungarian Meat Research Institute [Országos Husipari Kutatóintézet], 1959-1963. (Hu) Budapest. Országos Husipari Kutatóintézet. Evkon 1964: 108-115. 1965. 50.9 B850
Includes list of publications.
- 61635 MINERBI, G. Dying or dead livestock industry in Ferrara 1962-63. (It) Riv. Econ. Agr. 21(1):75-79. 1966. 281.8 R52
- 61636 MURRA, G. E. Louisiana's beef cattle industry. La. Rural Econ. 27(3):12-14. Aug. 1965. 281.8 L93
- 61638 PEARSON, A. M. What's new in research. Nat. Provisioner 154(18):20-21. Apr. 30, 1966. 286.85 N21
Reviews.
- 61639 RAINAUT, P. Organization and livestock production; "Value of meat." (Fr) Rev. Franc. Agr. 12:53-64. Spring 1966. 281.8 R328
Meat outlook.
- 61640 SPOONER, J. N. Farmers should be conversant with the Stock Act. New Zeal. J. Agr. 112(3):49, 51. Mar. 1966. 23 N48J
Sheep.
- 61641 THERET, M. Milk or meat, or meat and milk. (Fr) Tech. Lait. 3(spec. no. 1):8-12. Mar. 4, 1966. 44.8 Of2
- 61642 TILGNER, D. J. The meat industry in Ethiopia. (Ge) Fleischwirtschaft 45(11):1311-1314. Nov. 1965. 280.38 F62
- 61643 VIDAL, J. R. Erosion in Santa Cruz and its relation to the mutton industry. (Sp) Argent. Junta Nac. Carnes 3(17):18-21. Nov./Dec. 1964. 50.9 Ar33R
Includes overgrazing.
- 61644 VU, H. Several problems which need to be resolved to develop swine. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12:95-100. Jan. 20, 1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from Hoc Tap 12:53-55. Dec. 1965.
Issued by CFSTI.
- 61645 YATES, J. R. Investigations into the controlled drying of sheepskins. I. Establishment of the drying characteristics of the system. Amer. Leather Chem. Ass. J. 61(4):171-188. Ref. Apr. 1966. 303.9 Am32
- 61646 ABERLE, E. D., and MERKEL, R. A. Solubility and electrophoretic behavior of some proteins of post-mortem aged bovine muscle. J. Food Sci. 31(2):151-156. Ref. Mar./Apr. 1966. 389.8 F7322
- 61647 ABRAHAMSSON, K., GULLMAR, B., and MÖLIN, N. The effect of temperature of toxin formation and toxin stability of Clostridium botulinum type E in different environments. Can. J. Microbiol. 12(2):385-394. Ref. Apr. 1966. 448.8 C162
In meat.
- 61648 AKHMEDOVA, SH. I. Escherichia coli type bacteria on meat and organs of the livestock by different pathological processes and the biology of these bacteria. (Rus) Uzbekskii Nauchno-Issledovatel'skii Veterinarnyi. Institut, Tashkent. Trudy 16:108-112. 1964. 41.9 Uz12T
Abstracted in Ref. Zh. Biol. 21(sect. B):55. Nov. 1965. 241.7 R25
- 61649 AKHMEDOVA, SH. I. Sanitary evaluation of meat in cases of primary and secondary colibacillosis. (Rus) Uzbekskii Nauchno-Issledovatel'skii Institut Veterinarii. Trudy 16:113-118. 1964.
In sausages.
Abstracted in Ref. Zh. Biol. 19(sect. B):47-48. Oct. 1965. 241.7 R25
- 61650 BAKER, K. R. Adaptation of Resazurin test to meat products. Food Manufacture 41(4):49. Apr. 1966. 389.8 F736
- 61651 BARRE, J. G., BOURGEAT, P., and PRONIER, H. Study on collagen. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(12): 257-276. Dec. 1965. 303.8 B87
- 61652 BASTON, W. Determination of the chloride content in food extracts and related products. (It) Indus. Conserve 40(4):312-313. Oct./Dec. 1965. 389.8 In23
English summary, p. 3 of supplement.
Meat.
- 61653 BEAUMONT, R. Les methodes chimiques d'appréciation de la tendreté de la viande de boeuf [Chemical methods of estimating the tenderness of beef]. Lyon. Ecole Nat. Vet. These 20, 75 p. Ref. 1965. 41.2 L99
- 61654 BECK, G. Uniform histological histometrical evaluation of connective tissue in meat products within the framework of official food inspection. (Ge) Fleischwirtschaft 45(4):324-325. Apr. 1965. 280.38 F62
English summary.
- 61655 BEERENS, H., FIEVEZ, L., and GRANVILLE, A. Isolation and identification of Sphaerophorus [necrophorus] in meat. (Fr) Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:599-604. 1962, pub. 1965. TP368.15
- 61656 BERTLING, L., and MULLER, F. W. Composition of dry sausages. (Ge) Fleischwirtschaft 45(11):1300-1302, 1305. Nov. 1965. 280.38 F62
English summary.
- 61657 BRAUN, G. Observations on determination of milk proteins in meat products. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(3):160. 1966. 384 Z39
- 61658 CLAYSON, D. H. F., BROWN, K. P., and BLOOD, R. M. Some observations on maturation changes in beef. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v. 2:173-178. Ref. 1962, pub. 1965. TP368.15
- 61659 COOPER, D. R., and DAVIDSON, R. J. The effect of ultraviolet irradiation on collagen-fold formation. Biochem. J. 98(3):655-661. Ref. Mar. 1966. 382 B52
- 61660 CSELKO, M. Research on the colour of meat-products. (Hu) Budapest. Országos Husipari Kutatóintézet. Evkon. 1964:74-79. 1965. 50.9 B850
English summary.

- 61661 DIETERICH, W. Zur Stabilisierung von Rohwurstkeimen durch Trocknung [Stabilization of raw sausage bacteria by drying]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 6,52 p. 1965. 41.2 M9222
Bibliography, p.38-52.
- 61662 DYER, D. F., CARPENTER, D. K., and SUNDERLAND, J. E. Equilibrium vapor pressure of frozen bovine muscle. *J. Food Sci.* 31(2): 196-201. Mar./Apr.1966. 389.8 F7322
- 61663 DYETT, E. J., and SHELLEY, D. Microbiology of the British fresh sausage. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:393-403. 1962, pub.1965. TP368.I5
Testing spoilage.
- 61664 EDDY, B. P., and INGRAM, M. Factors affecting the nitrite content of Wiltshire bacon. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:405-411. Ref. 1962, pub.1965. TP368.I5
- 61665 EENINK, W. H. Orientation about the incidence of Salmonellae in sausage mix and in frozen meat from abroad. (Du) *Tijdschr. Diergeneesk.* 91(4):230-232. Feb.15,1966. 41.8 T431
English summary.
- 61666 EISSNER, G., and others. Virus detection in cured products and dry sausage made from the meat of animals experimentally infected with the foot-and-mouth disease virus. (Ge) *Fleischwirtschaft* 46(1):41-44. Ref. Jan.1966. 280.38 F62
K. Bauer, R. Ahl, and H. Reuter, joint authors. English summary.
- 61667 FISCHER, R., BENKENDORF, F. G., and KOCHAN, C. Determination of added ascorbic acid in minced meat. I. (Ge) *Fleischwirtschaft* 45(8):927-931. Ref. Aug.1965. 280.38 F62
English summary.
- 61668 FOURNAUD, J., and MOCQUOT, F. Study of ion nitrite reduction of certain lactobacilli. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(1): 230-232. Jan.3,1966. 505 P21
Isolated from pork meat.
- 61669 FRITSCHL, E. Organization and execution of quality control of meat products. (Ge) *Schweiz. Arch. Tierheilk.* 108(3):121-125. Mar.1966. 41.8 Sch9
English summary.
- 61670 GADDIS, A. M., ELLIS, R., and CURRIE, G. T. Carbonyls in oxidizing fat. VIII. *Amer. Oil Chem. Soc. J.* 43(3):147-150. Ref. Mar.1966. 307.8 J82
Lard.
- 61671 GEHRA, H. Zur Objektivierung der Untersuchung von deutschem corned Beef durch Anwendung der Histometrie [Objectification of the study of German corned beef by the use of histometry]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 7,55 p. 1965. 41.2 M9222
Bibliography, p.43-55.
- 61672 GOLUBEV, A. M., and SHIRYAEVA, V. I. Traumatic intramuscular hemorrhages in carcasses. (Rus) *Veterinariya* 10:88-89. Oct. 1965. 41.8 V6426
Effect of bacteria on quality of carcasses.
- 61673 GREENBERG, R. A., BLADEL, O., and ZINGELMANN, W. J. Use of the anaerobic pouch in isolating *Clostridium botulinum* spores from fresh meats. *Appl. Microbiol.* 14(2):223-228. Ref. Mar.1966. 448.3 Ap5
- 61674 GUILLAUMIN, R. Microdosage of phosphorus in oils and animal fatty materials. (Fr) *Rev. Franc. Corps Gras* 13(4):277-279. Apr.1966. 307.8 R32
- 61675 HAMID, H. A., and SAFFLE, R. L. The penetration depth of volatile fatty acids into fresh ham. *Food Technol.* 20(2):126-127. Feb.1966. 389.8 F7398
- 61676 HAMM, R., and HOFMANN, K. Sulfur-containing compounds in meat. I. On the problematics of determining sulhydryl groups in meat protein. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(3):143-149. Ref., p.148-149. 1966. 384 Z39
- 61677 HILL, F. The solubility of intramuscular collagen in meat animals of various ages. *J. Food Sci.* 31(2):161-166. Ref. Mar./Apr.1966. 389.8 F7322
- 61678 INAL, T. The occurrence of aerobic bacilli in sheep casings and the faulty sausage products caused by them. (Ge) *Fleischwirtschaft* 45(8): 933-934,937. Aug.1965. 280.38 F62
English summary.
- 61679 INGRAM, M., and BARNETT, J. A. Problems in identifying yeasts from meats. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:579-585. Ref. 1962, pub.1965. TP368.I5
- 61680 INTERNATIONAL UNION OF LEATHER CHEMISTS SOCIETIES. Ninth congress, Lyons (France), September 3-7, 1965. (It) Italy. *Staz. Sper. Indus. Pelli Mater. Concianti. Boll.* 41(5):296-327. Oct.1965. 303.8 It1
Includes abstracts of papers.
- 61681 JOBLIN, A. D. H. The estimation of carcass composition in bacon-weight pigs. I. The use of ultrasonic and carcass measurements. *New Zeal. J. Agr. Res.* 9(1):108-126. Ref. Feb.1966. 23 N4892
- 61682 JONES, R. T. A rapid method for determining the moisture content of gelatin and animal glue. *Analyst* 91(1080):210-212. Mar.1966. 382 An1
- 61683 KAESE, G. Formation of ice crystals in muscle tissue. (Ge) *Kaltetechnik* 18(3):111-113. Ref. Mar.1966. 295.8 K123
English summary.
Beef.
- 61684 KARPATI, GY., and ZUKAL, E. Determining changes in the water content of salami-type sausages during manufacture by means of weight measurements. (Ge) *Fleischwirtschaft* 45(4):330-332. Apr.1965. 280.38 F62
English summary.
- 61685 KLEIN, H. Skeletal muscle content in liver sausages as determined histometrically. (Ge) *Fleischwirtschaft* 45(7):799-800. July 1965. 280.38 F62
English summary.
- 61686 KLEMM, G. Judging the quality of fricadelles on the basis of histometric examination. (Ge) *Fleischwirtschaft* 46(1):22-23. Jan.1966. 280.38 F62
English summary.
- 61687 KOVACS, MRS. M. P. New method for the determination of protein-content in meat-products. (Hu) *Huspar* 15(1):13-15. Jan./Feb. 1966. 50.8 H95
English summary.
- 61688 KREUZER, W., ZEDLER, W., and WELLHAUSER, R. The possible use of x-ray photographs in supervising the production of meat products. (Ge) *Fleischwirtschaft* 45(4):334-336. Apr. 1965. 280.38 F62
English summary.
- 61689 LEISTNER, L., and WIRTH, F. Methods of determining redox potential in canned meat products. (Ge) *Fleischwirtschaft* 45(7):803-806,808-809. July 1965. 280.38 F62
English summary.
- 61690 LEISTNER, W., and KRUGER, B. Occurrences of enterococci in sausage products. (Ge) *Monatsh. Veterinarmed.* 20(21):892-895. Ref. Nov.1,1965. 41.8 M742
- 61691 LEROY, Y. Contribution a l'etude des gras de porc [Contribution to the study of the fat in pork]. Lyon. Ecole Nat. Vet. These 50,52 p. Ref. 1965. 41.2 L99
- 61692 LINKE, H., WIRTH, F., and WOLTERS DORF, W. The muscles in meat cuts. II. Pork cuts. (Ge) *Fleischwirtschaft* 45(8):943-948. Aug. 1965. 280.38 F62
English summary.
- 61693 MADDAMS, J. S. A critical review of some physical test methods for leather. *Soc. Leather Trades' Chem. J.* 50(2):72-83. Ref. Feb.1966. 303.9 So12

- 61694 MAGAT, A. Use of gelatin test in determining the state of conservation of salted hides. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(8/10):158-159. Aug./Oct.1965. 303.8 B87
- 61695 MARTENS, F. A simple, rapid method of checking the sterility of meat mixtures. (Ge) Fleischwirtschaft 45(11):1297-1299. Nov.1965. 280.38 F62
English summary.
- 61696 MEIER, R. S. Media for bacteriological examination of meat for Salmonella. (Rus) Veterinariya 10:94. Oct.1965. 41.8 V6426
- 61697 MOHANARADHAKRISHNAN, V., and RAMANATHAN, N. An electron microscopical study of the sheath covering collagen fibres. Biochim. Biophys. Acta 112(3):586-589. Mar.14, 1966. 381 B522
- 61698 NIEMOLLER, H. J. Determination of gluconic acid lactone. (Ge) Deut. Lebensmittel-Rundsch. 62(3):76-78. Mar.1966. 389.8 D482
In sausage.
- 61699 OKITANI, A., ARAKAWA, N., and FUJIMAKI, M. The changes of "myosin B" during storage of rabbit muscle. III. Agr. Biol. Chem. 29(11):971-977. Ref. Nov.1965. 385 Ag8B
- 61700 OTEL, I., and OTEL, T. New methods concerning the quality control in the meat industry. (Rum) Indus. Aliment. 16(12):621-624, 653. Ref. Dec.1965. 389.8 In26
English summary, p.676.
Analysis.
- 61701 PALM, W. E., BLOOM, F. W., and WITNAUER, L. P. Nondestructive dynamic compression measurements on full sides of leather. Amer. Leather Chem. Ass. J. 61(5):222-234. May 1966. 303.9 Am32
Includes discussion.
- 61702 PAL'MIN, V. V. Biochemical changes in meat resulting from ionizing radiation. 5 p. Transl. 15258
Translation from Pishchevaya Tekhnologiya 2:76-81. 1962.
- 61703 PARRISH, F. C. Physico-chemical properties of sarcoplasmic and lysosomal cathepsins from porcine and bovine muscle. Diss. Abs. 26(3):1586. Sept.1965. 241.8 M58
- 61704 PATTERSON, J. T. Microbiological aspects of vacuum packaged bacon. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:425-432. Ref. 1962, pub.1965. TP368.I5
- 61705 PATTERSON, J. T. Studies on the micrococci of fresh pork, curing pickle and maturing bacon. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:433-440. Ref. 1962, pub.1965. TP368.I5
- 61706 PAVLOVSKII, P. Autolytic changes in ground muscle tissue. 3 p. (TT 63-11048) Transl. 15209
Beef.
Translation from Myasnaya Industriya SSSR 28(2):42-44. 1957.
CFSTI: \$1.00.
- 61707 PEARSON, A. M., and others. The browning produced on heating fresh pork. II. The nature of the reaction. J. Food Sci. 31(2):184-190. Ref. Mar./Apr.1966. 389.8 F7322
B. G. Tarladgis, M. E. Spooner, and J. R. Quinn, joint authors.
- 61708 PENNY, I. F., VOYLE, C. A., and LAWRIE, R. A. The effect of high ultimate pH on the nature of freeze-dried meat. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:95-104. Ref. 1962, pub.1965. TP368.I5
Properties.
- 61709 PFEIFFER, G. Histometric methods of determining connective tissue protein. (Ge) Fleischwirtschaft 45(4):325-327, 329. Ref. Apr.1965. 280.38 F62
English summary.
- 61710 PICHON, G., and PIAT, B. Study on the shrinkage of collagen fibers. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(12):243-248. Dec.1965. 303.8 B87
- 61711 PILKINGTON, D. H. The relation of firmness to certain other characteristics of beef muscle. Diss. Abs. 26(3):1586-1587. Sept.1965. 241.8 M58
- 61712 PRADHAN, S. L., and others. Indices of the carcass composition of Dorset Horn top-cross lambs. III. Relationships between chemical composition, specific gravity and weight of carcasses and joints. J. Agr. Sci. [London] 66(1):41-47. Ref. Feb.1966. 10 J822
W. R. McManus, C. L. Goldstone, R. F. Hart, V. N. Khandekar, and G. W. Arnold, joint authors.
Australia.
- 61713 PRANDL, O. Point of view on the "DM-boiled sausage test." (Ge) Fleischwirtschaft 45(11):1281-1282. Nov.1965. 280.38 F62
- 61714 PROST, E., and SLUZEWSKI, R. Investigations of the value of some methods of detecting antibiotics in meat. (Pol) Med. Weter. 21(12):710-714. Ref. Dec.1965. 41.8 M463
English summary.
- 61715 PSOTA, A. Final evaluation following bacteriological investigation. (Ge) Wien. Tierarztl. Monatsschr. 52(12):1072-1075. Dec.1965. 41.8 T345
Meat.
- 61716 SINELL, H. J., and LANGNER, H. J. A contribution to the identification of type of meat in canned meats. (Ge) Fleischwirtschaft 46(1):34-38. Jan.1966. 280.38 F62
English summary.
- 61717 SINELL, H. J., REUTER, G., and UNTERMANN, F. Standardization of the determination of total aerobic bacterial count in meat and meat products. (Ge) Arch. Lebensmittelhyg. 16(10):217-224. Ref. Oct.1965. 41.8 L49
- 61718 SINELL, H. J., UNTERMANN, F., and REÜTER, G. Standardization of total aerobic bacterial count in meat and meat products. 2. (Ge) Arch. Lebensmittelhyg. 17(2):25-31. Feb.1966. 41.8 L49
- 61719 SMITH, R. E., NELSON, G. L., and HENRICKSON, R. L. Analyses on transient heat transfer from anomalous shapes. Amer. Soc. Agr. Eng. Pap. 806,28 p. Ref. 1965. 290.9 Am32P
With reference to thermal qualities of pork cuts.
- 61720 STEWART, D. J., and PATTERSON, J. T. The isolation of coagulase positive Staphylococcus aureus from certain meat products. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:635-646. 1962, pub.1965. TP368.I5
- 61721 STIRTZ, T. The micro-structure of the grain membrane. (Ge) Leder 16(8):177-192. Ref. Aug.1965. 303.8 L492
Hides.
- 61722 VOLD, E., STEINHAUF, D., and WENIGER, J. H. Post mortem changes in meat characteristics in the pig, together with a further contribution to the methodology of meat quality investigations. (Ge) Fleischwirtschaft 45(8):938-943. Aug.1965. 280.38 F62
English summary.
- 61723 WEISS, F. K., and WENIGER, J. H. A further contribution to methods of brightness measurement on pork. (Ge) Fleischwirtschaft 46(1):39-41. Jan.1966. 280.38 F62
English summary.
- 61724 WINKELMANN, E. The importance of the degree of charge of emulsifiers for the solution of current problems in tanning chemistry. (Fr) Rev. Tech. Indus. Cuir 58(2):46-47. Feb.1966. 303.8 C89
- 61725 WYLER, O., and SIEGRIST, J. J. Simple, sensitive method for detecting non-meat animal proteins. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):299-303. 1965. 389.9 Sw6
As meat additives.

Consumption and Utilization

- 61726 GUIBERT, L. Perspectives of pork market in Europe and France. (Fr) Indus. Aliment. Anim. 163:56-57,59-61,63. Sept.1965. 389.78 In2
Consumption.
- 61727 HANSEN, P. I. E. A consumer survey for acceptance evaluation of cured ham treated by a combination of heat and irradiation. Food Technol. 20(2):99-103. Feb.1966. 389.8 F7398
- 61728 KIRTON, A. H. Overfat lambs mean loss to farmer. New Zeal. J. Agr. 112(2):57-59. Feb. 1966. 23 N48J
Consumer preferences for lean meat.
- 61729 PHILPOTT, B. P., and MATHESON, M. J. An analysis of the retail demand for meat in the United Kingdom. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 23,39 p. 1965. 281.9 L632
- 61730 WALLACE, A. Subsector demands for beef: analyses and projections. Diss. Abs. 26(3): 1394-1395. Sept.1965. 241.8 M58
Factors affecting consumption and prices.

Distribution, Marketing, and Transportation

- 61731 AMERICAN BRAHMAN BREEDERS ASSOCIATION. Pointers on merchandising cattle. Cattleman 52(11):122-124,126. Apr.1966. 49 C29
Panel discussion; moderator: J. D. Sartwelle; panel members: N. England, J. T. White, J. Ellis, and E. Hudgins.
- 61732 AYALA MARTIN, E. Marketing of rabbit meat. I. (Sp) Cult. Mod. 48(6):214-216. June 1965. 15 C89
Includes preparation for market.
- 61733 BLENDINGER, W. Decisions concerning the further sale of race horses compensated by insurance. (Ge) Deut. Tierarztl. Wochenschr. 72(21):507-509. Nov.1,1965. 41.8 D482
- 61734 BOX, C. B. Potential changes in marketing beef. Cattleman 52(11):54,90,92. Apr.1966. 49 C29
- 61735 BRUNOLI, A. The French swine market. (It) Suinicoltura 6(11):37-39. Nov.1965. 46.8 Su3
- 61736 CHEN, H. Y., and CHUANG, W. F. The pork market of Japan. 1. (Ch) Foreign Trade Mon. 10(2):4-13. Feb.1965. 286.8 K962
- 61737 COTTINGHAM, J. E. Economic analysis of the factors influencing dairy-beef marketing. Diss. Abs. 26(9):5083. Mar.1966. 241.8 M58
Includes consumption patterns.
- 61738 DIETRICH, R. A. An interregional analysis of the fed beef economy. Diss. Abs. 26(3):1387-1388. Sept.1965. 241.8 M58
Markets and locational advantages.
- 61739 DIFFIDENTI, G. A. Welcome to lean pork; conclusion, with good results, of the campaign-test for the sale to the public of lean pork in the summer. (It) Suinicoltura 6(10):33-35. Oct.1965. 46.8 Su3
- 61740 DORVAL, J. Packing plants, Guingamp meat market; modern food complex. (Fr) RTVA (Rev. Tech. Vet. Abattoirs Hyg. Aliment.) 5 (28):21-30. Jan./Feb.1966. 50.8 R322
- 61741 DUEWER, L. A. Market simulation of economic behavior in the meat-products industry. Diss. Abs. 26(9):5083-5084. Mar.1966. 241.8 M58
- 61742 HARING, W. Contractual agreements on quality in the delivery of sausage products. (Ge) Fleischmeister 19(10):262-263. Oct.1965. 50.8 F622
- 61743 HENLEY, D. Now you can hedge your pig crop. Doane's Agr. Rep. 29(11):14-15. Apr.8,1966. 281.8 D652
- 61744 JONKER, J. J. G. Production, consumption and marketing of meat. (Du) Veeteelt Zuivelber. 9 (1):12-18. Jan.1966. 49 V51
- 61745 KINNEAR, H. Hog marketing plan wins friends and influences sales. Nation's Agr. 41(4):6-8. Apr.1966. 280.82 B89
Cooperative incentive plan for lean meat types.
- 61746 LEACH, H. V. Economic aspects of marketing light weight hogs. Diss. Abs. 26(9):5085. Mar. 1966. 241.8 M58
Includes prices.
- 61747 LIFSHITS, D. S. Experience in delivery of the beef cattle according to weight and meat quality. (Rus) Zhivotnovodstvo 2:53-54. Feb.1966. 49 Z6
- 61748 LIU, C. Y. Forecasting and programming interregional product shipments in the hog-pork economy. Diss. Abs. 26(9):5086. Mar. 1966. 241.8 M58
- 61749 MARCHAND, M. Development of the pork market after the decisions made within the framework of the Common Market with tax modifications. (Fr) Tech. Lait., Spec.No.13:38-39. Oct.25,1965. 44.8 Of2
- 61750 MARCHAND, M. The swine market in France and in the E.E.C. (Fr) Tech. Lait. 3(spec.no. 1):46-48. Mar.4,1966. 44.8 Of2
- 61751 MILLER, E. A., and HENNING, G. F. Suggested location of Ohio livestock markets to reduce total marketing costs. Ohio Agr. Res. Develop. Center. Res. Bull. 981,25 p.,map. Feb.1966. 100 Oh35
- 61752 PELLEGRINO, J. M. The country is daily losing millions of pesos through carelessness in the transportation of livestock. (Sp) Soc. Rural Argent. An. 99(5):55-58,60,63-64,66-67. May 1965. 9 So1
- 61753 PETER, E. The supply of slaughter livestock and meat; 1965 results and market forecast 1966. (Ge) Osterr. Inst. Wirtschaftsforsch. Monatsber. 39(2):48-55. Feb.1966. 280.9 V672
- 61754 TANDLER, K. New ways of selling minced meat. (Ge) Fleischwirtschaft 46(1):17-22. Jan.1966. 280.38 F62
English summary.
- 61755 WENGER, E. Federal purchase of training horses and mules. (Ge) Grune 93(45):1634-1639. Nov.5,1965. 17 Sch9
Switzerland.
- 61756 WENGER, E. Purchase of inland remounts for the cavalry. (Ge) Grune 93(45):1639-1641. Nov.5,1965. 17 Sch9
Switzerland.
- 61757 WILLIAMS, H. L. New techniques for enforcing the P&S [Packers and Stockyards] Act. Agr. Marketing [Washington] 11(3):6. Mar. 1966. A280.38 Ag8

Grading, Inspection, Standardization, and Quality

- 61758 ALDRICH, P. J., and DOWNS, D. M. Palatability and yield of 46 classifications of mild cured hams. Mich. Agr. Exp. Sta. Res. Bull. 12,159 p. 1966. 100 M58R
- 61759 ALTERAUGE, W. Pathogenesis of tumors and their importance in the evaluation of slaughtered carcasses. (Ge) Schlacht- Viehhof-Zeitung 65(5):179-185. May 1965. 286.85 D48
- 61760 BALTZER, J., and ZEUTHEN, P. Quality of vacuum packed meat products. (Da) Danske Dyrægefor. Medlemsbl. 49(5):203-210. Mar.1, 1966. 41.9 D23
- 61761 BARTELS, H., and GERIGK, K. Comments on "Regulations for Meat Products." (Ge) Fleischwirtschaft 46(1):11-14. Jan.1966. 280.38 F62
- 61762 BROWN, C. J., LEWIS, P. K., and HECK, M. C. Evaluating beef carcasses from ribeye area measurement. Ark. Farm Res. 15(1):2. Jan./Feb.1966. 100 Ar42F
- 61763 BURBKART, M. Slaughter value determination on living cattle and sheep. (Ge) Bayer. Landwirt. Jahrbuch 42(3):334-338. 1965. 18 L24

- 61764 CHUNOSOV, M. N. Veterinary and sanitary examination in meat combines of Belorussia. (Rus) Veterinariya 10:14-15. Oct.1965. 41.8 V6426
- 61765 CSISZAR, V. On the teaching subject "sanitation of livestock food products" from agricultural production aspect. (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:17-21. 1965. 41.9 B85
- 61766 DANGSCHAT, H. Zur frage der Ruckstande von Alkyl-phosphaten in der Muskulatur [On the problem of alkyl phosphate residues in the musculature]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 5,38 p. Ref.,p.33-38. 1965. 41.2 M9222
Paraaxon and DFP tested in relation to palatability of meat.
- 61767 DAVEY, C. L., and GILBERT, K. V. Studies in meat tenderness. II. Proteolysis and the aging of beef. J. Food Sci. 31(2):135-140. Ref. Mar./Apr.1966. 389.8 F7322
- 61768 DEUTSCHE VETERINARMEDIZINISCHE GESELLSCHAFT. ARBEITSGEBIET LEBENSMITTELHYGIENE. Ninth working conference. (Ge) Fleischwirtschaft 46(1):50-54,56. (Cont.) Jan.1966. 280.38 F62
Abstracts of papers.
- 61769 DUCKWORTH, N. What the label means on the franks you buy. Agr. Marketing [Washington] 11(4):14-15. Apr.1966. A280.38 Ag8
- 61770 DUCKWORTH, N. What the label means on the ham you buy. Agr. Marketing [Washington] 11(3):8-9. Mar.1966. A280.38 Ag8
- 61771 FROEHNER, H. Veterinary medicine aspects of food hygiene. (Ge) Gesundheitswesen Desinfekt. 57(12):171-172. Dec.1965. 449.8 Z36P
- 61772 GOTZE, U. Meat hygienic evaluation of trichinosis inspection tests. (Ge) Arch. Lebensmittelhyg. 16(11):253-256. Nov.1965. 41.8 L49
- 61773 HALL, O. G., and others. Chemical residues in fat of beef steers fed heptachlor-treated alfalfa hay. Tenn. Farm Home Sci. Progr. Rep. 56:2-4. Oct./Dec.1965. 100 T25F
L. J. Hardin, M. E. Fryer, and J. A. Glover, joint authors.
- 61774 HANSON, W. C. Fallout radionuclides in Alaskan food chains. Amer. J. Vet. Res. 27(116):359-366, map. Ref. Jan.1966. 41.8 Am3A
Lichen fed caribou meat, radioactive strontium, radioactive iodine and radioactive cesium content.
- 61775 HULSSE, H. On the "Practice of the Food Law." (Ge) Fleischwirtschaft 45(11):1305-1306. Nov.1965. 280.38 F62
Reply to article by G. Nitsch.
In relation to the meat industry.
- 61776 ILTIS, W. L. New rules for ragout fin. (Ge) Deut. Lebensmittel-Rundsch. 62(3):83-84. Mar.1966. 389.8 D482
- 61777 KREUZER, W., and KOTTER, L. Investigation of radioactivity in meat. (Ge) Arch. Lebensmittelhyg. 16(10):224-227. Oct.1965. 41.8 L49
- 61778 LAIDET, M. Defects of sheep hides and research on their origin. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(12):239-242. Dec.1965. 303.8 B87
- 61779 LEISTNER, L. Research into the radio-active contamination of food-stuffs of animal origin. (Ge) Fleischwirtschaft 45(11):1291-1292. Nov. 1965. 280.38 F62
English summary.
Meat, milk, and eggs.
- 61780 LENCSEPETI, J., MOSONYI, G., and VAGVOLGYI, O. Establishment of a practical method of grading on the basis of the real value of animals for slaughter. (Hu) Budapest. Országos Husipari Kutatóintézet. Evkon. 1964:45-57. 1965. 50.9 B850
English summary.
- 61781 LERCHE, M. The new cut meat regulation. (Ge) Fleischwirtschaft 45(8):900-902. Aug. 1965. 280.38 F62
- 61782 LERCHE, M. Principal report on the 12th DLG quality testing for meat and fancy food products. 1964/65. Part B. Processed products. (Ge) Fleischwirtschaft 45(11):1283-1289. Nov.1965. 280.38 F62
- 61783 LERCHE, M. Principal report on the 12th DLG quality testing for meat and fancy food products 1964/65. Part C. Prepared meat dishes. (Ge) Fleischwirtschaft 45(11):1290-1291. Nov.1965. 280.38 F62
- 61784 LIENHOP, E., and HOBIGK, W. The definition of "Farce" (forcemeat) and "Brat" (meat emulsion) in the manufacture of ragout fin. (Ge) Fleischwirtschaft 45(7):776-777. July 1965. 280.38 F62
English summary.
- 61785 MARSH, B. B., WOODHAMS, P. R., and LEET, N. G. Studies in meat tenderness. I. Sensory and objective assessments of tenderness. J. Food Sci. 31(2):262-267. Mar./Apr.1966. 389.8 F7322
- 61786 MARTINI, I. The new regulations passed in Germany for the control and sanitation of "ground meat." (It) Nuovo Prog. Vet. 21(1):20-22. Jan.15,1966. 41.8 P942
- 61787 MIRNA, A. A simplified method of judging the colour of meat and meat products. (Ge) Fleischwirtschaft 45(4):332-334. Ref. Apr. 1965. 280.38 F62
English summary.
- 61788 NITSCH, G. The practice of the food law. (Ge) Fleischwirtschaft 45(7):777-778. July 1965. 280.38 F62
Sausages.
- 61789 PFAFFEL, A. Inspection of imported meat and its legal regulation. (Ge) Wien. Tierarztl. Monatsschr. 53(1):52-61. Ref. Jan.1966. 41.8 T345
English summary.
- 61790 PRANDL, O. Propositions for amending the draft of a food hygienic regulation. (Ge) Wien. Tierarztl. Monatsschr. 53(2):108-114. Feb. 1966. 41.8 T345
English summary.
Chiefly related to livestock products.
- 61791 RETZLAFF, N. On the determination of brucellosis of slaughter animal during meat inspection. (Ge) Schlacht-Viehhof-Zeitung 65(5):177-179. Ref. May 1965. 286.85 D48
- 61792 REUTER, H. Can the meat of pigs suffering from fevers be cured and processed into dry sausages? (Ge) Fleischwirtschaft 46(1):44-46. Jan.1966. 280.38 F62
English summary.
Foot and mouth disease.
- 61793 SCHARNER, E. The organoleptic testing of meat and sausage products. II. (Ge) Fleischermeister 19(10):271-272. Oct.1965. 50.8 F622
- 61794 SCHMIDHOFER, T. The decree on minimum standard regulations of meat products. (Ge) Schweiz. Arch. Tierheilk. 108(3):138-148. Mar.1966. 41.8 Sch9
English summary.
- 61795 SCHMIDHOFER, T. Quality standardization of meat products—methods of quality testing and evaluation of results. (Ge) Arch. Lebensmittelhyg. 16(10):232-236. Oct.1965. 41.8 L49
- 61796 TUOMY, J. M., FELDER, J., and HELMER, R. L. Relation of pork loin weight to shear-force values, panel scores, fat in lean meat, and cutout percentages. Food Technol. 20(4):174-176. Ref. Apr.1966. 389.8 F7398
- 61797 VINOGRADOV, S. V., and KOLOD'KO, V. D. Veterinary and sanitary control in meat industry of the Russian Soviet Federated Socialist Republic. (Rus) Veterinariya 10:85-88. Oct. 1965. 41.8 V6426
- 61798 VLADIMIROVA, P. A., and ORLOV, I. V. Simplified method of Trichinella diagnosis. (Rus) Veterinariya 10:95-96. Oct.1965. 41.8 V6426
In swine carcasses.

- 61799 ZELLER, M. Bacterial souring of "Fleischsalat," caused by organisms of the genus *Leuconostoc*. (Ge) *Fleischwirtschaft* 45(11):1295-1297. Ref. Nov.1965. 280.38 F62
English summary.

- 61800 ZSCHOCHE, H. Raw sausage defects. (Ge) *Fleischmeister* 19(10):269. Oct.1965. 50.8 F622

Packing and Packaging

- 61801 BADER, J. Help for the package. *Meat* 32(5):48,50. May 1966. 286.85 M464
- 61802 BREVOT, G. Concerning so called "prepackaged" meat and food products. (Fr) *Rec. Med. Vet.* 142(2):139-142. Feb.1966. 41.8 R24
Includes packaging terminology.
- 61803 MLYNARIK, J., and others. Theoretical and technological questions of the packaging of meat and meat-products. (Hu) Budapest. Országos Husipari Kutatóintézet. Evkon. 1964:101-107. 1965. 50.9 B85O
E. Szarka, L. Ghimessy, and K. Incze, joint authors.
English summary.

Prices, Price Control, and Rationing

- 61804 BAJOR, F. New price system, new possibilities in swine production. (Hu) *Magyar Mezőgazdaság* 21(6):18-19. Feb.9,1966. 19 M27
- 61805 BROADBENT, E. E., MADSEN, A. G., and WEST, V. L. Hog prices at Illinois country markets. *Ill. Res.* 8(1):8-9, map. Winter 1966. 100 IL64
- 61806 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Fatstock Guarantee Scheme, 1963/1964. London, 1963. 40 p. 280.3409 G792
- 61807 LEATHER WORLD. The "Leather World" diagram raw calf and goat prices, 1960-1964. London, Leather Trades Publ. Co., 1964. chart. 284.377 L48D
- 61808 MERCURIALI, G. Useful lessons from marketing of the year. (It) *Esso Agr.* 14(1):12-13. Dec.1965. 58.8 Es7
Chiefly on livestock prices and production.
- 61809 NEMETH, L. New price system, new possibilities in sheep production. (Hu) *Magyar Mezőgazdaság* 21(7):20. Feb.16,1966. 19 M27
- 61810 RIXSON, D. C. The relative value of weekend joints. *Meat Indus.* [London] 39(3):40,42. Mar. 1966. 389.8 Im72
Meat cut costs.

Processing and Storage

- 61811 BARTELS, H. The importance and possibilities of application of modern food hygiene measures in tropical regions. *Fleischwirtschaft* 45(7):763-766. Ref. July 1965. 280.38 F62
Text also in German, p.759-763; and in French, p.766-769.
Meat.
- 61812 BOCCIARDO, P. Vacuum drying of tanned hides. (It) *Italy. Staz. Sper. Indus. Pelli Mater. Concianti. Boll.* 41(5):289-296. Oct. 1965. 303.8 It1
English summary.
- 61813 BOCKSCH, W. Hot curing of "Kasseler" and bacon. (Ge) *Fleischwirtschaft* 45(8):921-922. Aug.1965. 280.38 F62
English summary.
- 61814 BOCKSCH, W. Isolated soya protein, a possible aid in the manufacture of canned frankfurter-type sausages which are to be stored for a long period. (Ge) *Fleischwirtschaft* 45(7):779-780, 782-784. July 1965. 280.38 F62
English summary.

- 61815 BOROYAN, K., and CARPENTIER, R. Study on the finishing of grain side of calfskins corrected by pistol "Airless." (Fr) *Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform.* 27(12):249-256. Dec.1965. 303.8 B87
- 61816 BRIGGS, P. S. Leather. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:534-544. Ref. 1964. 382 M31R
Literature review; includes hide processing and tanning.
- 61817 CAMERON, M. The freezing of meat in corrugated containers. *Meat Indus. Res. Inst. Tech. Dig.* 8(1):3. Feb.1966. 50.9 M462T
- 61818 CHRISTIAN, J. A., and BLUMER, T. N. Curing hams, country style. *N. C. Univ. Ext. Ext. Circ.* 405, rev., 17 p. Nov.1965. 275.29 N811
- 61819 DEMPSEY, M., and GREEN, G. H. Chamois tannage: processes of manufacture and microscopical observations. *Soc. Leather Trades' Chem. J.* 50(2):65-71. Feb.1966. 303.9 S012
- 61820 DUNN, F. C&MS [Consumer and Marketing Service] uses "see and taste" test. *Agr. Marketing [Washington]* 11(3):4. Mar.1966. A280.38 Ag8
Processed fruit and vegetables and quality.
- 61821 ENDRES, H., and others. The mechanism of chrome tanning. (Ge) *Leder* 16(8):174-176. Ref. Aug.1965. 303.8 L492
A. A. El Sissi, M. S. Ishak, P. Stadler, and A. Von Steinburg, joint authors.
English summary.
- 61822 ESTEOULE, J. The Bamako meat packing plant, the most modern in native Africa, has been constructed by the French. (Fr) *Rev. Conserv.* 21(1):197-199. Jan./Feb.1966. 389.8 R326
- 61823 FUNK, K., ALDRICH, P. J., and IRMITER, T. F. Forced convection roasting of loin cuts of beef. *Amer. Diet. Ass. J.* 48(5):404-408. May 1966. 389.8 Am34
- 61824 FUNK, K. Comparative study of delayed service cookery, forced convection, and conventional roasting of the longissimus dorsi muscle of beef. *Diss. Abs.* 26(8):4618. Feb.1966. 241.8 M58
- 61825 GERIGK, K. The manufacture of goulash and its proper evaluation. (Ge) *Fleischwirtschaft* 45(7):773-775. July 1965. 280.38 F62
English summary.
- 61826 GIDDEY, C. The change in meat pigments in sausage making processes. *J. Sci. Food Agr.* 17(1):14-17. Jan.1966. 382 S012
- 61827 HADLOK, R. Faulty drying of dry sausages and its results. (Ge) *Fleischwirtschaft* 45(8):922-924. Aug.1965. 280.38 F62
English summary.
- 61828 HEIDEMANN, E. Hysteresis in the humidification of collagen and leather with steam. (Ge) *Leder* 17(3):56-64. Mar.1966. 303.8 L492
English summary.
- 61829 HEIDEMANN, E., and NANDY, S. C. Pelt preservation. (Ge) *Leder* 16(5):112-118. May 1965. 303.8 L492
English summary.
- 61830 INCZE, K. The bacteriostatic effect of a smoke solution and of smoke constituents. (Ge) *Fleischwirtschaft* 45(11):1309-1311. Nov.1965. 280.38 F62
English summary.
- 61831 INIKHOV, G. S., and others. *Tovarovedenie molochnykh, zhirovykh, yaichnykh, myasnykh i rybnykh tovarov* [Expert knowledge of milk, fat, egg, meat and fish products]. Ed. 3, rev, and enl. Moskva, Ekonomika, 1965. 343 p. TX353.T6
M. A. Gabriel'yants, M. A. Makarev, and E. Yu. Sukhanova, joint authors.
Includes processing.

- 61832 JULLIEN, I. Fleshing of fresh hides before conservation. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(8/10):156-157. Aug./Oct.1965. 303.8 B87
- 61833 KASSAI, D. Modernization of the manufacturing technology of cured smoked and smoked-cooked meat. (Hu) Budapest. Országos Husipari Kutatóintezet. Evkon. 1964:58-64. 1965. 50.9 B850
English summary.
- 61834 KISZELY, I., KORMENDY, L., and BARABÁS, P. Technological research aiming at shortening of the heat-treatment time. (Hu) Budapest. Országos Husipari Kutatóintezet. Evkon. 1964:38-44. 1965. 50.9 B850
English summary.
Sausage manufacture.
- 61835 KONDRAT'EV, I. A. Problem in utilization of meat from tubercular cattle. (Rus) Veterinariya 10:90-91. Oct.1965. 41.8 V6426
Special processing.
- 61836 KUNTZEL, A., and LEBERFINGER, R. On the preparation of an artificial hide from dissolved collagen. (Ge) Leder 16(5):97-101. May 1965. 303.8 L492
English summary.
- 61837 LAWRIE, R. A. Recent developments in food science. 2. Changes in meat during storage. Meat Indus. Res. Inst. Tech. Dig. 7(2):7-9. Apr.1965. 50.9 M462T
- 61838 LEHMANN, W. The occurrence of Salmonella in meat processing plants and the hygienic requirements thereby necessitated. (Ge) Fleischermeister 19(10):255-259. Ref. Oct. 1965. 50.8 F622
- 61839 LILJENQUIST, L. B. Brain power of entire meat industry in West works for benefit of WSPA. Nat. Provisioner 154(11):37-38. Mar.12,1966. 286.85 N21
- 61840 MANDIGO, R. W., and HENRICKSON, R. L. Influence of hot-processing pork carcasses on cured ham. Food Technol. 20(4):186-188. Ref. Apr.1966. 389.8 F7398
- 61841 MATYAS, Z. Hygiene in blood drying equipment. (Ge) Fleischermeister 19(10):264-268. Ref. Oct.1965. 50.8 F622
Includes the process.
- 61842 MONSHEIMER, R., and others. Introductory papers on the problems of aniline leather manufacture. (Ge) Leder 16(6):125-142. June 1965. 303.8 L492
K. Eitel, J. Plapper, and L. Wurtele, joint authors.
- 61843 MCOORE, W. R. The structure and properties of natural and synthetic high polymers. Soc. Leather Trades' Chem. J. 50(3):94-109. Mar. 1966. 303.9 S012
In tanning.
- 61844 MORRE, J. Gamma irradiation of meats at very low temperature; trying to identify the causes of spoilage. (Fr) Acad. Vet. France. Bull. (n.s.)38(8):325-328. Oct.1965. 41.9 R24
- 61845 PALITZSCH, A. Untersuchungen zur Umarmatisierung des Schweinefleisches [Studies on flavor improvement in swine meat]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 17,73 p. 1965. 41.2 M9222
Bibliography, p.61-73.
Curing and aging.
- 61846 PENGILLY, C. I., and HARRISON, D. L. Effect of heat treatment on the acceptability of pork. Food Technol. 20(3):98-101. Ref. Mar.1966. 389.8 F7398
Cooked.
- 61847 PEZATSKII, V., and KUCHANSKII, YU. The use of an electric current for accelerating the salting of meat. 4 p. (TT 63-11049) Transl. 15208
Translation from Myasnaya Industriya SSSR 29(3):52-53. 1958.
CFSTI: \$1.00.
- 61848 PIRIE, D. G., and HARRIGAN, W. F. The destruction of *Cl. welchii* during cooking processes. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:481-484. 1962,pub.1965. TP368.I5
In meat.
- 61849 RAVASZ, E., and others. Development of the continuous technology of dry-sausage manufacturing. (Hu) Budapest. Országos Husipari Kutatóintezet. Evkon. 1964:80-91. 1965. 50.9 B850
I. Bak, K. Nemes, K. Incze, and Gy. Gantner, joint authors.
English summary.
- 61850 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61; industry groups: 47. Tanneries and fellmongering; 48. Harness and saddlery; travel goods; general and small leather goods. Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C. 29,37 p. Dec.1965. 270 S0824I
Text also in Afrikaans.
- 61851 ROSENBUSCH, K. E. Oxidative method; a new process of liming. (Fr) Rev. Tech. Indus. Cuir 58(3):72,74,76-78,81-84,87-88,90,92-94, 96. Mar.1966. 303.8 C89
English summary.
Unhairing of hides.
- 61852 ROSS, R. T. Microorganism control in the tannery. Leather Manufacturer 83(4):40,42,44, 46-48,51-52. Apr.1966. 303.8 L484
Hides.
- 61853 ROUZIERES, M. P., and JOQUEVIEL-VIEU, E. Free-drying in tawing. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27 (8/10):179-185. Aug./Oct.1965. 303.8 B87
- 61854 SHARPHOUSE, J. H., and BETTS, K. R. Control of the chamoising process. Soc. Leather Trades' Chem. J. 50(2):53-65. Feb.1966. 303.9 S012
- 61855 SIMONCINI, A., PEZZO, L. DEL, and GEL-SOMINO, M. The enzymatic unhairing of calfskins for vegetable production of sole leather. (It) Italy. Staz. Sper. Indus. Pelli Mater. Concianti. Boll. 41(5):281-288. (Cont.) Oct.1965. 303.8 It1
English summary.
- 61856 SOLBERG, M. Changing technology in sausage production. Meat 32(4):38-40. Apr.1966. 286.85 M464
- 61857 SPENCER, R. Processing factors affecting stability and safety of non-sterile canned cured meats. Food Manufacture 41(3):39-41,43. Ref. Mar.1966. 389.8 F736
Resistance of Clostridium botulinum.
- 61858 SYMPOSIUM ON MECHANIZATION IN THE TANNERY, LAKE PLACID, N. Y., 1964. Report. Amer. Leather Chem. Ass. J. Suppl. 11,97 p. June 17,1964. 303.9 Am32A
- 61859 TAYLOR, K. E. C&MS [Consumer and Marketing Service] reviews microwave cooking of meats. Agr. Marketing [Washington] 11(4):3. Apr.1966. A280.38 Ag8
- 61860 THERECKA, V., and KLIMI, M. Qualitative changes of pork during its preservation in refrigeration. (Al) Bul. Shkencave Bujqesore 4 (3):141-147. Ref. 1965. 21.5 B87
English summary.
- 61861 TILGNER, D. J. The technology of the roasting process. Fleischwirtschaft 45(4):304-305. Apr.1965. 280.38 F62
- 61862 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Home canning of meat and poultry. U. S. D. A. Home Gard. Bull. 106,24 p. Feb.1966. 1 Ag84Hg
- 61863 VUILLAUME, R. Skinning large animals by side method. (Fr) Ass. Franc. Ing. Chim. Tech. Indus. Cuir. Chaussure Autres Indus. Utilisatrices. Bull. Doc. Inform. 27(8/10):152-153. Aug./Oct.1965. 303.8 B87

- 61864 WEINER, P. D., and others. Effect on muscle quality of processing pork carcasses within one hour post-mortem. *Food Technol.* 20(4): 189-190. Ref. Apr.1966. 389.8 F7398
D. H. Kropf, D. L. Mackintosh, and B. A. Koch, joint authors.
- 61865 WOLLENBERG, H. G., and BENSKIN, G. E. Mimosa extract and its role in the modern production of sole leather. (It) *Italy. Staz. Sper. Indus. Pelli Mater. Concianti. Boll.* 41(4):250-261. Aug.1965. 303.8 It1
- 61866 YATES, J. R. Investigations into the controlled drying of sheepskins. II. Effect of drying conditions on various properties of the skins. *Amer. Leather Chem. Ass. J.* 61(5):235-256. Ref. May 1966. 303.9 Am32
- 61867 ZAUSCHER, F. Basic operations in the farm tanning process. (Sp) *Inst. Invest. Tecnol. Rev.* 7(33):44-47. Jan./Feb.1965. 241.4 In73 Colombia.
- 61868 ZUKAL, E., and LENCSEPETI, J. Establishment of combined fat-rendering methods. (Hu) *Budapest. Országos Husipari Kutatóintézet. Evkon.* 1964:92-100. 1965. 50.9 B850
English summary.

Statistics

- 61869 ARGENTINA. JUNTA NACIONAL DE CARNES. Resena [Summary], 1964. n.p., 1965? 208 p., map. 255.1 C21R
- 61870 BRAZIL. SERV. DE ESTATISTICA DA PRODUÇÃO. Carnes, derivados e subprodutos [Meat, derivatives and byproducts], 1964. Rio de Janeiro, 1965. 59 p. 255.3 Es83C
- 61871 CANADA. BUR. OF STATISTICS. Estimates of production and consumption of meats, 1965. Ottawa, 1966. 4 p. 253 C1625E
- 61872 FELTNER, R. L. Alternative models of the feed-livestock economy. *Diss. Abs.* 26(3): 1388. Sept.1965. 241.8 M58
- 61873 GERTH, The livestock population in Berlin (West) 1965; results of the general livestock census of December 3, 1965. (Ge) *Berlin. Statist. Monatsschr.* 20(3):74-76. Mar.1966. 265 B453
- 61874 ILLNER, F. The livestock situation in Bavaria at the end of 1965. (Ge) *Bayern Zahlen* 20(3): 81-84. Mar.1966. 265 B34
- 61875 JOSHI, S. Animal husbandry statistics in India. *Agr. Situation India* 20(6):487-492. Sept.1965. 281.9 In23
- 61876 MILLER, R. H. Veal production and marketing. U. S. D. A. Econ. Res. Serv. DS-309, 30-33. Mar.1966. 1.9 Ec7Ds
Statistics.
- 61877 RAY, O. M. Geographic shifts in livestock and poultry. *Amer. Soc. Agr. Eng. Pap.* 846, 9 p. 1965. 290.9 Am32P
Statistics.
- 61878 RIZEK, R. L. Current cattle cycle has passed the peak. *Agr. Situation [Washington]* 50(4):1-3. Apr.1966. 1 Ec7Ag
Statistics.
- 61879 SPAIN. MINISTERIO DE AGRICULTURA. Anuario estadístico de la producción ganadera [Statistical annual of livestock production], 1964. Madrid, 1965. 206 p. 263 Sp152A
- 61880 SWEENEY, R. E. Livestock production cycles and food prices. *Fed. Reserve Bank Atlanta. Mon. Rev.* 51(3):17-18. Mar.1966. 284.8 F31A
- 61881 THULIN, D. The production and consumption of animal farm products in 1964/65. (Sw) *Jordbruksekön. Medd.* 28(3):63-75. Mar.1966. 257.3 J76
English summary, p.62.
Dairy products and meat.

OILS AND OILSEEDS

- 61882 AMERICAN OIL CHEMISTS' SOCIETY. Interdependence in the pursuit of progress; 57th annual meeting in Los Angeles April 24-27, 1966. *Amer. Oil Chem. Soc. J.* 43(3):86A, 88A, 92A, 94A, 96A, 98A, 101A-120A, 110A-114A, 130A-140A. Mar.1966. 307.8 J82
Program and abstracts of papers.
- 61883 ARCHIBALD, F. M., and SKIPSKI, V. P. Determination of fatty acid content and composition in ultramicro lipid samples by gas-liquid chromatography. *J. Lipid Res.* 7(3):442-445. May 1966. 381 J8282
- 61884 ARRIGO, G. D. Composition and characteristics of the oil extracted from olive kernels. (It) *Olearia* 19(7/8):145-146. July/Aug.1965. 307.8 OL2
- 61885 ATHERTON, C. I., and KERTESS, A. F. The performance of unsaturated fatty acids; especially dehydrated castor oil fatty acids in the manufacture of alkyd resins. *Oil Colour Chem. Ass. J.* 49(4):340-349. Apr.1966. 306.9 Oi5
- 61886 AUBRY, P. The plastic bottle—its economical and technical feature. (It) *Riv. Ital. Sostanze Grasse* 43(2):60-64. Feb.1966. 307.8 OL3
English summary.
For edible oils.
Includes discussion.
- 61887 BALANESCU, G., ILLE, C., and BRAND, I. Determining the cellulose content of sunflower extraction residues. (Rum) *Indus. Aliment.* 16(12):647-650. Ref. Dec.1965. 389.8 In26
English summary, p.676.
- 61888 BARRETT, C. B. Oil processing. 1. Refining and hydrogenation. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:491-494. Ref. 1964. 382 M31R
Literature review.
- 61889 BASU, H. N., and CHAKRABARTY, M. M. Studies on conjugated hydrogenation; nickel catalyst with alcohols. *Amer. Oil Chem. Soc. J.* 43(3):119-121. Ref. Mar.1966. 307.8 J82
Peanut and safflower oil.
- 61890 BEAL, R. E. Removal of metal catalysts from aldehyde oils. *Amer. Oil Chem. Soc. J.* 43(3): 122-124. Ref. Mar.1966. 307.8 J82
From soybean or linseed oils.
- 61891 BECKER, E., and NIEDERSTEBRUCH, A. Determination of oxygen and nitrogen as well as the detection of primary oxydation products in oils, fats and emulsions by physico-chemical methods. I-II. (Ge) *Fette, Seifen, Anstrichmittel* 68(2):135-139; (3):182-189. Feb.-Mar.1966. 384 C422
English summary.
- 61892 BELIKOV, I. F., and SANZONENKO, M. K. Oil content, determined in soybean seeds with the aid of the nuclear magnetic resonance method. (Rus) *Akad. Nauk SSSR. Dokl.* 167:225-227. Ref. 1966. 511 P444A
- 61893 BERGER, K. G. Analytical methods. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49: 506-515. Ref. 1964. 382 M31R
Literature reviews; fats and oils.
- 61894 BHATTACHARJEE, M. K., and WAGLE, N. G. Fat-splitting—its mechanism and kinetics. *Indian Oilseeds J.* 8(4):285-288. Ref. Oct./Dec.1964. 307.8 In22
Hydrolysis.
- 61895 BHATTY, M. K., and CRAIG, B. M. Useful procedures for the determination of complex fatty acid composition. Occurrence of trans-5-hexadecenoic and trans-5,cis-9-octadecadienoic acids in the oil from *Thalictrum venulosum*. *Can. J. Biochem.* 44(3):311-318. Ref. Mar. 1966. 470 C16E
Chromatographic study.

- 61896 BLOEMEN, F. New column for neutralizing refining and deodorization of fats and for single or fractionated distillation of fatty acids. (Fr) *Rev. Franc. Corps Gras* 13(4): 247-259. Apr.1966. 307.8 R32
English summary.
Refining by steam.
- 61897 BONAR, A. R. Analytical characteristics of the unsaponifiable ingredients of cocoa butter. (Ge) *Rev. Int. Choc.* 21(3):96-98. Mar.1966. 68.38 R32
- 61898 CANADA. BOARD OF GRAIN COMMISSIONERS. GRAIN RESEARCH LABORATORY. Flax and rapeseed, 1964. Canada. Grain Res. Lab. Crop B. 93,17 p.,map. Nov.1964. 59.9 C161C
- 61899 CERUTTI, G., and MACCARRONE, A. Sesame seeds grown in Sicily. I. Yield and physico-chemical characteristics of the oil and cake. (It) *Riv. Ital. Sostanze Grasse* 43(3):95-98. Mar.1966. 307.8 OL3
English summary.
- 61900 CHAMBERS, J. A. Soya-it's function and uses. *Milling* 146(11):262,265. Mar.18,1966. 298.8 M622
- 61901 CHIARLO, B. Investigation on the *Laurus nobilis* of Liguria. I. Gas chromatographic determination of total fatty acids in drupes. (It) *Riv. Ital. Sostanze Grasse* 43(2):65-66. Feb. 1966. 307.8 OL3
English summary.
- 61902 CIANCIO, P. N. The soybean. (Sp) *Paraguay Indus. Com.* 22(255):16-17,19. Dec.1965. 280.8 P213
Products.
- 61903 COLAKOGLU, M. New analytical data about olive oils. (Fr) *Rev. Franc. Corps Gras* 13(4):261-269. Ref. Apr.1966. 307.8 R32
English summary.
Chromatography used.
- 61904 CORNELIUS, J. A. Some technical aspects influencing the quality of palm kernels. *J. Sci. Food Agr.* 17(2):57-61. Ref. Feb.1966. 382 S612
- 61905 COSCIA, A., and BRACCO DE TORIGINO, S. Soybeans; economic prospects in the Argentine Republic. (Sp) *Rev. Argent. Grasas Aceites* 67(1/3):12-22. Sept.1964/Dec.1965. 307.8 R322
- 61906 CUBERO, J. M., MANGOLD, H. K., and SCHMID, H. H. O. Methods for the analysis of lipides. I. Solution critical temperature. (Sp) *Grasas Aceites* 17(1):14-18. Ref. Jan./Feb. 1966. 307.8 G76
English summary, p.4 of supplement.
- 61907 DAVIES, A. C. Oil processing. 2. Margarine and shortenings. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:494-496. Ref. 1964. 382 M31R
Literature review.
- 61908 DEDIC, T. Oil plants and oil industry. (Cz) *Za Vysokou Urodu* 14(1):5-6. Jan.12,1966. 64.8 Z12
- 61909 ELLIS, R., GADDIS, A. M., and CURRIE, G. T. Carbonyls in oxidizing fat. IX. *J. Food Sci.* 31(2):191-195. Ref.,p.194-195. Mar./Apr.1966. 389.8 F7322
- 61910 ERHARDT, C. VON. Elimination of problems in the Mexican oil and fat industry. (Ge) *Seifen-Ole-Fette-Wachse* 91(20):656-658. Sept.29,1965. 307.8 Se4
English summary.
- 61911 ERIKSSON, B. Foreign oil plant quotations. (Sw) *Svensk Frotidn.* 34(10):143-144. Oct.15, 1965. 61.8 Sv2
- 61912 FEDELI, E. Chemical changes in glycerides and fatty acids, induced by the presence of metals. (It) *Riv. Ital. Sostanze Grasse* 43(3): 99-103. Mar.1966. 307.8 OL3
- 61913 FEDELI, E., and others. Isolation of geranyl geraniol from the unsaponifiable fraction of linseed oil. *J. Lipid Res.* 7(3):437-441. Ref. May 1966. 381 J8282
P. Capella, M. Cirimele, and G. Jacini, joint authors.
- 61914 FLORENZANO, G., and MATERASSI, R. Observations on the microflora of olives and ground pulp with particular reference to lipolytic microflora. (It) *Olearia* 19(7/8):134-138. July/Aug.1965. 307.8 OL2
English summary.
- 61915 FREEMAN, W. M. B. A layman takes a good look at tung oil research. *Amer. Tung News* 17(4):8. Apr.1966. 307.8 Am33
At the Pan American Tung Research and Development League.
- 61916 GARCIA FERNANDEZ, J. Amber olive oil. (Sp) *Agricultura [Madrid]* 35(406):80-81. Feb.1966. 15 Ag84
- 61917 GARLANDA, T., MASOERO, M., and GIUSSANI, A. Contact phenomena between plastic materials and fatty foods. (It) *Riv. Ital. Sostanze Grasse* 43(3):108-113. Mar.1966. 307.8 OL3
English summary.
- 61918 GOODING, C. M. B. Fate of chlorinated organic pesticide residues in the production of edible vegetable oils. *Chem. Indus.* 8:344. Feb.19,1966. 382 M31C
- 61919 GOTTARDI, V. Validity of glass containers for edible oils. (It) *Riv. Ital. Sostanze Grasse* 43(2):52-55. Feb.1966. 307.8 OL3
English summary.
- 61920 GRYNBERG, H., and SZCZEPANSKA, H. The structure of triglycerides in selected oils containing erucic acid. *Amer. Oil Chem. Soc. J.* 43(3):151-152. Mar.1966. 307.7 J82
- 61921 GUILLAUMIN, R., and DROUHIN, N. Calcium and magnesium in vegetable oils and animal fats; effect of refining. (Fr) *Rev. Franc. Corps Gras* 13(3):185-193. Mar.1966. 307.8 R32
English summary.
- 61922 GUILLAUMIN, R., and DROUHIN, N. Composition of sun flower oil waxes. (Fr) *Rev. Franc. Corps Gras* 13(1):21-28. Jan.1966. 307.8 R32
English summary.
- 61923 GUNSTONE, F. D. Fatty acids and their natural and synthetic derivatives. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:497-506. Ref. 1964. 382 M31R
Literature review.
- 61924 GUNSTONE, F. D., and SUBBARAO, R. The occurrence of linolenic acid and stearolic acid in *Santalum acuminatum* seed oil. *Chem. Indus.* 11:461-462. Mar.12,1966. 382 M31C
- 61925 GUPTA, D. R., and GARG, S. K. Essential oil from the seeds of *Litsea consimilis*. *Perfumery Essent. Oil Rec.* 57(3):160-163. Ref. Mar.1966. 308.8 P41
- 61926 HABENDORFF, R. Molecular distillation applied to the fats industries. (Fr) *Chim. Indus. [Paris]* 95(2,sup.):54-61. Ref. Feb.1966. 383 C42
- 61927 HAMERNIK, F. Situation and outlook of the culture of oil plants. (Cz) *Za Vysokou Urodu* 14(1):3-5. Jan.12,1966. 64.8 Z12
- 61928 HOFFMAN, M. L. Oxygen removal from cottonseed oil by sparging with nitrogen. *Food Technol.* 20(4):204-208. Apr.1966. 389.8 F7398
- 61929 HOWARD, H. D. Supply of oilseeds, oil milling and solvent extraction. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:485-490. Ref. 1964. 382 M31R
Literature review.
- 61930 HUNTER, G. L. K., and MOSHONAS, M. G. Analysis of alcohols in essential oils of grapefruit, lemon, lime, and tangerine. *J. Food Sci.* 31(2):167-171. Mar./Apr.1966. 389.8 F7322

- 61931 HUTCHINSON, G. H. Drying oils, driers and varnishes. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:668-673. Ref. 1964. 382 M31R
Literature review; includes vegetable drying oils.
- 61932 JASPERSON, H., and PRITCHARD, J. L. R. Factors influencing the refining and bleaching of palm oil. Trop. Sci. 7(4):189-200. Ref. 1965. 26 T756
- 61933 KANE, J. G. Study of mahua fat. Fette, Seifen, Anstrichmittel 68(1):1-6. Ref. Jan.1966. 384 C422
- 61934 KARLESKIND, A., AUDIAU, F., and WOLFF, J. P. Sterol analysis and its application for study of fat mixtures composition. (Fr) Rev. Franc. Corps Gras 13(3):165-173. Mar.1966. 307.8 R32
English summary.
- 61935 KAUFMANN, H. P., and KAUFMANN, I. Pro- and antioxidants in the field of fats. XVI. (Ge) Fette, Seifen, Anstrichmittel 68(1):15-23. Ref. Jan.1966. 384 C422
English summary.
- 61936 KAUFMANN, H. P., KAUFMANN, I. Pro- and antioxidants in the field of fats. XVIII. (Ge) Fette, Seifen, Anstrichmittel 68(3):177-182. Ref. Mar.1966. 384 C422
English summary.
- 61937 KELLEY, J. J., and PRESSEY, R. Studies with soybean protein and fiber formation. Cereal Chem. 43(2):195-206. Ref. Mar.1966. 59.8 C33
For edible spun fibers.
- 61938 KOEW, G. Technological treatment of soybean and peanut flours, with a view to utilization of vegetable proteins. (Sp) Rev. Argent. Grasas Aceites 6/7(1/3):5-11. Sept.1964/Dec.1965. 307.8 R322
- 61939 KOUL, G. L., and NIGAM, S. S. Studies on Indian essential oils. II. Colorimetry. Perfumery Essent. Oil Rec. 57(3):156-159. Mar. 1966. 308.8 P41
- 61940 KREWSON, C. F., and SCOTT, W. E. Euphorbia lagascae Spreng., an abundant source of epoxyoleic acid; seed extraction and oil composition. Amer. Oil Chem. Soc. J. 43(3):171-174. Ref. Mar.1966. 307.8 J82
- 61941 KRISHNA, D. Vanaspati industry in India. Agr. Situation India 20(8):663-666. Nov.1965. 281.9 In23
- 61942 KROLLER, E. A method for determining the sterol content of cocoa fat. (Ge) Deut. Lebensmittel-Rundsch. 62(2):50-51. Feb.1966. 389.8 D482
- 61943 KRUSEN, F. Little commodity study of fats. (Ge) Ernähr. Lehre Praxis 3:9-11. In Ernähr.-Umsch. 13(3). Mar.1966. 389.8 Er66
Chemistry, types, and processing.
- 61944 LE CLERC, A. M., and others. Investigation of the behavior of some edible fats during regulated frying and over-heating operations. (Fr) Rev. Franc. Corps Gras 13(3):175-183. Mar. 1966. 307.8 R32
P. Ramel, J. Dumain, and D. Fauquemberque, joint authors.
English summary.
- 61945 LORANT, B. Derivatographic research on fats and fatty acid derivatives. (Ge) Seifen-Ole-Fette-Wachse 92(6/2):149-150. (Concl.) Mar.16,1966. 307.8 Se4
- 61946 LUCK, H., and MAACK, R. Oscillographical polarography of oxidized fats. I. Experimental conditions. (Ge) Fette, Seifen, Anstrichmittel 68(2):81-85. Ref. Feb.1966. 384 C422
English summary.
- 61947 MARKMAN, A. L., and MAKHAMADAMINOV, M. D. New extraction methods of gossypol. 8 p. Transl. 15212
From cottonseed.
Translation from Masloboino-Zhirovaya Promyshlennost' 10:6-8. Oct.1963.
- 61948 MARKMAN, A. L., and ZALESOV, U. P. New methods of quantitative determination of gossypol. 9 p. Transl. 15213
From cottonseed.
Translation from Masloboino-Zhirovaya Promyshlennost' 27(4):19-21. 1961.
- 61949 MARTINEZ MORENO, J. M., and others. Physico-chemical studies on ground olive pastes. XXV. Effects of shearing on the centrifugation of the pastes. (Sp) Grasas Aceites 17(1):10-13. Ref. Jan./Feb.1966. 307.8 G76
C. Gomez Herrera, C. Janer del Valle, J. Pereda Marin, and E. Munoz Aranda, joint authors.
English summary, p.4 of supplement.
- 61950 MARTINI, B., and MARTINENGHI, G. B. Elaidic acid in alimentary oils. Gas chromatography on the capillary column of extracted olive oil in course of refinement. (Fr) Oleagineux 21(1):21-23. Jan.1966. 77.8 OL2
English summary.
- 61951 MCGILL, J. F. In a nutshell. Ga. Univ. Ext. Circ. 517, rev., 10 p.-folder, map. Feb.1966. 275.29 G29C
Peanut industry.
- 61952 MCGINLEY, L. Autoxidation and antioxidants. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:515-521. Ref. 1964. 382 M31R
Literature review; fats and oils.
- 61953 MELLOR S. A. C. Oilseed preparation by cooking for oil extraction. (Sp) Rev. Argent. Grasas Aceites 6/7(1/3):23-24. Sept.1964/Dec. 1965. 307.8 R322
- 61954 MILLER, B. R. Economic feasibility and efficiency of alternative locations for bulk grading and buying of farmers' stock peanuts in North Carolina and Virginia. Diss. Abs. 26(8):4295-4296. Feb.1966. 241.8 M58
- 61955 MOOKHERJEE, B. D. Characterization of monocarbonyl compounds in fatty foods. Diss. Abs. 26(9):5361. Mar.1966. 241.8 M58
Chromatography.
- 61956 MORRIS, L. J., and MARSHALL, M. O. Occurrence of stearolic acid in Santalaceae seed oils. Chem. Indus. 11:460-461. Ref. Mar.12, 1966. 382 M31C
- 61957 MULLER, P. Lavender oil. (Ge) Seifen-Ole-Fette-Wachse 91(19):628-629. Sept.15,1965. 307.8 Se4
English summary.
- 61958 MULLER, P. A. Bitter orange peel oil. (Ge) Seifen-Ole-Fette-Wachse 91(20):677. Sept.29, 1965. 307.8 Se4
English summary.
- 61959 NELSON, K. E., and others. The effect of steam deodorization on the flavor stability of butteroil. Food Technol. 20(4):208-209. Apr. 1966. 389.8 F7398
J. H. Vestal, C. Allen, and W. Parks, joint authors.
- 61960 NIKOLOV, N., and KOLEV, K. Bulgarian rose attar. Bulg. Foreign Trade 6:32-33. Nov./Dec.1965. 286.8 B872
From Rosa damascena.
- 61961 NORCIA, L. N., and ROSENTHAL, B. E. Sterol content of some plant oils; further observations on fast-reacting sterol. Amer. Oil Chem. Soc. J. 43(3):168-170. Ref. Mar.1966. 307.8 J82
- 61962 OSTRIC-MATIJASEVIC, and MARKOVIC, V. Quality of plastic packages for edible oils. (It) Riv. Ital. Sostanze Grasse 43(3):104-106. Mar. 1966. 307.8 OL3
English summary.
- 61963 PETER, E. Tour through the field of waxes. (Ge) Seifen-Ole-Fette-Wachse 91(19):633-634. Sept.15,1965. 307.8 Se4
English summary.

- 61964 PINHO, M. I. C. DE, and PINTO, M. F. Palmeira dendem (*Elaeis guineensis* Jacq.); determinação do teor em óleo na polpa dos frutos da variedade Dura (método indirecto-primeira tabela) [Coconut oilpalm (*Elaeis guineensis* Jacq.); determination of oil content in the fruit pulp of the Dura variety; indirect method-first table]. *Jornadas Silvo-Agron.* [Trab.], 5th Sess., No.1, 12 p. 1964. 99.8 J76
- 61965 POERCK, R. DE. International contributions to the improvement of the oil palm industry. (Ge) *Z. Ausländische Landwirt.* 4(3):303-304. Aug. 1965. 281.8 Z32
- 61966 POKORNY, J., and DAVIDKOVA, E. Thin-layer chromatographic analysis of oxidized fats and oils. (Ge) *Fette, Seifen, Anstrichmittel* 68(2):91-94. Ref. Feb. 1966. 384 C422 English summary.
- 61967 RUTROWSKI, A., and others. The hydrocarbons, triterpene alcohols and sterols of rapeseed oils. (It) *Riv. Ital. Sostanze Grasse* 43(3):89-94. Ref. Mar. 1966. 307.8 OL3
G. Jacini, P. Capella, and M. Cirimele, joint authors.
English summary.
- 61968 SASAKI, R. Contamination of soybean and its products with ⁹⁰Sr and ¹³⁷Cs. Tokyo. Nat. Inst. Nutr. Annu. Rep. 1965:10-12. 389.9 G573
- 61969 SCARDACCIONE, D., and other. Prospects for olive oil. (It) *Prog. Agr.* [Bologna] 9(2):173-186. Feb. 1965. 58.8 P94
S. Visco, D. Forcella, M. Bandini, and D. de Leonardis, joint authors.
- 61970 SCHOENLEBER, L. G., and PORTERFIELD, J. G. Factors affecting drying of unhulled castors and castor seed; a review of research. *Okla. Agr. Exp. Sta. Process. Ser.* P-526, 34 p. Apr. 1966. 100 Ok4M
U. S. Department of Agriculture, cooperating.
- 61971 SCHUSTER, G., MODDE, H., and SCHELD, E. Protein fatty acid adducts; their properties and uses. (Fr) *Rev. Franc. Corps Gras* 13(1):13-20. Ref. Jan. 1966. 307.8 R32
English summary.
- 61972 SCHWARTZ, D. P., PARKS, O. W., and YONCOKIE, R. A. Quantitative studies on methyl ketone formation in butteroil: effect of temperature. *Amer. Oil Chem. Soc. J.* 43(3):128-129. Ref. Mar. 1966. 307.8 J82
- 61973 SHARON, H. D. Organoleptic, chemical, biochemical and physical studies on the quality of Spanish-type peanuts. *Diss. Abs.* 26(9):5362-5363. Mar. 1966. 241.8 M58
- 61974 SINGLETARY, R. C. Peanut council grows in stature. *Peanut J. Nut World* 45(6):11. Apr. 7, 1966. 77.8 P313
Activities of the National Peanut Council; includes peanut industry.
- 61975 SMITH, A. K., and others. Nitrogen solubility index, isolated protein yield, and whey nitrogen content of several soybean strains. *Cereal Chem.* 43(2):261-270. Ref. Mar. 1966. 59.8 C33
J. J. Rackis, P. Isnardi, J. L. Cartter, and O. A. Krober, joint authors.
- 61976 SMITH, L. L. Aeration studies of cottonseed in commercial storages. *Amer. Soc. Agr. Eng. Pap.* 310, 6 p. 1965. 290.9 Am32P
- 61977 SOLOMON, B. Splitting of fats and production of glycerine in USSR. (Fr) *Rev. Franc. Corps Gras* 13(1):29-40. Ref. Jan. 1966. 307.8 R32
English summary.
- 61978 STANTON, M. G. Measurement by starch-gel electrophoresis of enthalpy change during reversible dissociation of groundnut protein. *Anal. Biochem.* 14(3):347-355. Mar. 1966. 381 An13
- 61979 STAZIONE SPERIMENTALE PER LE INDUSTRIE DEGLI OLII E DEI GRASSI. Minor constituents of linseed oils; final report. Milano. 1965. 68 p. TP682.S7
Project No: UR-E15-(40)-8; Research project: FG-It-104(60).
- 61980 THORNTON, J. S., and ANDERSON, C. A. Residue determination: gas chromatographic determination of residues of S, S, S,-tributyl phosphorotrithioate in cottonseed and cottonseed oil. *J. Agr. Food Chem.* 14(2):143-144. Mar./Apr. 1966. 381 J8223
Defoliant.
- 61981 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Chemically modified oil products and industrial uses; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-27-4, 6 p. Feb. 1966. A381 R31Ac
- 61982 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Composition of oilseeds; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-23-4, 4 p. Feb. 1966. A381 R31Ac
- 61983 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean oil; a list of publications for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-25-4, 4 p. Feb. 1966. A381 R31Ac
- 61984 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean protein products; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-26-4, 2 p. Feb. 1966. A381 R31Ac
- 61985 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Processing oilseeds, oil, and meal; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-24-4, 2 p. Feb. 1966. A381 R31Ac
- 61986 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Publications and patents, January-June 1965, Northern Utilization Research and Development Division. Peoria, Ill., 1965. 38 p. 1.9321 N2L69
Oilseeds and grain.
- 61987 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Review articles on oilseed crops research; a list of publications for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-29-4, 2 p. Feb. 1966. A381 R31Ac
Utilization.
- 61988 VIOQUE, A., and others. Trace elements in edible fats. IX. Influence of demetalization on the oxidative and flavor stabilities of soybean oil. *Oils Oilseeds J.* 18(8):10-12. Ref. Feb. 1966. 307.8 Oi54
R. Gutierrez, M. A. Albi, and N. Nosti, joint authors.
- 61989 VORSTER, L. J. Studies on detoxification of peanuts contaminated by aflatoxin and destined for the oil mill. (Fr) *Rev. Franc. Corps Gras* 13(1):7-12. Ref. Jan. 1966. 307.8 R32
English summary.
- 61990 WANG, C. Y. The world soybean production in recent years. (Ch) *Foreign Trade Mon.* 10(2):19-21, 58. Feb. 1965. 286.8 K962
- 61991 WITEK, S., and KREPINSKY, J. On terpenes. CLXXVII. The composition of valerian oil (*Valeriana officinalis* L.). *Collect. Czech. Chem. Commun.* 31(3):1112-1123. Ref. Mar. 1966. 385 C68
- 61992 WOLDICH, H. On the practical conduct of gas chromatography analysis in the field of fats. (Ge) *Z. Lebensmittel-Untersuchung - Forsch.* 129(4):197-205. Ref. 1966. 384 Z39
- 61993 WREN, W. L., and WALKDEN, R. A. B. Fats—recent technical advances. *Food Trade Rev.* 36(3):64-66. Mar. 1966. 389.8 F7334
Composition and use.
- 61994 WRIGHT, L. D. The anomalous solubility of cholesterol in oils. *Soc. Exp. Biol. Med. Proc.* 121(1):265-267. Jan. 1966. 442.9 So1
Vegetable oils.

- 61995 ZIEMBA, J. V. Create new foods with textured soy proteins. Food Eng. 38(4):58-60. Apr. 1966. 389.8 F737

POULTRY AND POULTRY PRODUCTS

- 61996 ALAMPI, P. What's the market? Poultry Trib. 72(5):30,50-51. May 1966. 47.8 P8642 Eggs.
- 61997 ALTERAUGE, W. Method for differentiating fresh and frozen turkeys. (Ge) Arch. Lebensmittelhyg. 17(2):36-37. Feb.1966. 41.8 L49
- 61998 AYRES, J. C. Detection of Salmonella in dried egg albumen. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:443-451. Ref. 1962, pub. 1965. TP368.I5
- 61999 BARNES, E. M., and SHRIMPTON, D. H. The effect of freezing eviscerated poultry on their shelf life at 1°, 10° and 15°. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:331-335. 1962, pub.1965. TP368.I5
- 62000 BARNES, E. M., and THORNLEY, M. J. A comparison of the spoilage flora of eviscerated chickens stored at 1°, 10° and 15°. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:369-372. 1962, pub.1965. TP368.I5
- 62001 BESCH, E. L., and SLUKA, S. J. Blastoderm location in the avian egg. Poultry Sci. 45(2):259-262. Mar.1966. 47.8 Am33P
- 62002 BLUESTONE, H., and ROJKO, A. S. Forecasting farm turkey prices in and out of the main marketing period. Agr. Econ. Res. 18(2):43-51. Apr.1966. 1 Ec7Agr
- 62003 BORE, R. J., and NICOLAS, F. The federations of producers of market eggs; their development and their influence on the market. (Fr) Rev. Elevage 39(spec.no.):145-147,149-150, map. 1966. 49 B462
- 62004 BORNSTEIN, S., and BARTOV, I. A comparison between visual scoring of yolk color and colorimetric assay of yolk carotenoids. Poultry Sci. 45(2):287-296. Ref. Mar.1966. 47.8 Am33P
- 62005 BROWN, S. E. Fall below cost markets seen extending to mid-spring 1967. Broiler Indus. 29(4):91-92,94. Apr.1966. 47.8 N45 Poultry.
- 62006 BROWN, W. E., BAKER, R. C., and NAYLOR, H. B. Egg spoilage as affected by the route of exposure. Poultry Sci. 45(2):279-283. Ref. Mar.1966. 47.8 Am33P Pseudomonas aeruginosa inoculation.
- 62007 BROWN, W. E., BAKER, R. C., and NAYLOR, H. B. The microbiology of cracked eggs. Poultry Sci. 45(2):284-287. Mar.1966. 47.8 Am33P
- 62008 BROWN, W. E., BAKER, R. C., and NAYLOR, H. B. Shell treatments as affecting microbial egg spoilage. Poultry Sci. 45(2):276-279. Mar.1966. 47.8 Am33P Pseudomonas aeruginosa.
- 62009 CHILDS, R. E. Chicken processing systems. Amer. Soc. Agr. Eng. Pap. 328,9 p. 1965. 290.9 Am32P Poultry transportation included.
- 62010 CRAWFORD, W. B. New concepts of automatic egg handling and processing. Amer. Soc. Agr. Eng. Pap. 316,12 p. 1965. 290.9 Am32P
- 62011 DAHLE, R. D. Managerial uses of accounting information in a vertically integrated broiler firm. Diss. Abs. 26(8):4292. Feb.1966. 241.8 M58
- 62012 DREWS, H. E. Freezer-handling system clears birds in 21/4 hours. Broiler Indus. 29(2):58-59. Feb.1966. 47.8 N45
- 62013 FABER, F. L. Present and alternative methods of pricing eggs. U. S. D. A. Econ. Res. Serv. ERS-275,27 p., map. Ref., p.20-24. Feb. 1966. A281.9 Ag83E
- 62014 FITZGERALD, G. A. The packaging of fowl parts in the marketplace. Amer. Soc. Agr. Eng. Pap. 331,11 p. 1965. 290.9 Am32P
- 62015 FRACANZANI, C. 1966: double the turkeys. (It) Riv. Zootec. 39(2):116-118. Feb.1966. 49 R52 Meat turkeys in Italy.
- 62016 FROMM, D. The influence of ambient pH on moisture content and yolk index of the hen's yolk. Poultry Sci. 45(2):374-379. Mar.1966. 47.8 Am33P
- 62017 FRY, J. L., HARMS, R. H., and MOORE, J. S. How important is egg size uniformity? Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(1):14-15. Jan.1966. 100 F66Su
- 62018 GEESINK, E. F. The production and commercialization of market eggs in the Netherlands. (Fr) Rev. Elevage 39(spec.no.):159-162. 1966. 49 B462
- 62019 GIRAUD, J. M. Some economic problems posed by the organization of production of market eggs. (Fr) Rev. Elevage 39(spec.no.):135-138,140-141,143. 1966. 49 B462 Vertical intergration in France.
- 62020 GLEZEN, W. P., and others. Salmonella in two poultry processing plants. Amer. Vet. Med. Ass. J. 148(5):550-552. Mar.1,1966. 41.8 Am3 M. P. Hines, M. Kerbaugh, M. E. Green, and J. Koomen, joint authors.
- 62021 GROSSKLAUS, D., and NEUSCHULZ, J. Further studies on the problem of ice water cooling of slaughter poultry. (Ge) Arch. Lebensmittelhyg. 17(2):33-36. Ref. Feb.1966. 41.8 L49 Includes Salmonella detection study.
- 62022 HARRISSON, C. J. The commercialization of eggs in Great Britain. (Fr) Rev. Elevage 39(spec.no.):155-156. 1966. 49 B462 The role of the British Egg Marketing Board.
- 62023 HENRY, W. R. Preparing for a merger: will it be cash or stock? Broiler Indus. 29(4):76,79. Apr.1966. 47.8 N45 The broiler business.
- 62024 HENRY, W. R. Things to consider in merger or sell-out. Broiler Indus. 29(2):42,44,49; (3):22,24,26. (Cont.) Feb.-Mar.1966. 47.8 N45 Title varies. Broiler industry.
- 62025 HOKE, I. M., and KLEVE, M. K. Heat penetration, quality, and yield of turkeys roasted to different internal thigh temperatures. J. Home Econ. 58(5):381-384. Mar.1966. 321.8 J82
- 62026 HOPE, J. The future of the poultry and feed industries. Agr. Merchant 45(7):39,42-44,46-47. July 1965. 10 Ag89 Great Britain.
- 62027 HORVATH, I. New poultry prices. (Hu) Baromfitenyesztes 10(2):5-6. Feb.1966. 47.8 B262
- 62028 HORVATH, I. Prices of poultry and ducks. (Hu) Magyar Mezogazdasag 21(7):15-16. Feb.9,1966. 19 M27
- 62029 HULSEMEYER, F. Die Erzeugung und Vermarktung von Eiern und Geflügelfleisch in der Bundesrepublik Deutschland; Entwicklungstendenzen und Rationalisierungsmöglichkeiten [The production and marketing of eggs and poultry meat in the German Federal Republic; trends and rationalization possibilities]. Agrarpolit. Marktwesen 6,128 p. 1966. 281.8 Ag837
- 62030 HUNTER, B. What Mrs. Consumer wants from you. Broiler Indus. 29(4):81-82,84. Apr.1966. 47.8 N45 Interview with Dorothy Marsh, food editor, on poultry consumption.
- 62031 JOLLES, J., and JOLLES, P. Isolation and purification of the biologically active des-lysylvalyl phenylalanine-lysozyme. Biochem. Biophys. Res. Commun. 22(1):22-25. Jan.4, 1966. 442.8 B5236 Hen's egg-white lysozyme.

- 62032 KAHLENBERG, O. J. Industry's role in the control of salmonellosis in eggs and egg products. *Ass. Food Drug Offic. U. S. Quart. Bull.* 29(3):116-121. July 1965. 389.9 As7Q
- 62033 KOTULA, A. W. Variability in microbiological samplings of chickens by the swab method. *Poultry Sci.* 45(2):233-236. Ref. Mar.1966. 47.8 Am33P
- 62034 KWON, T. W., and NORGAARD, M. J. Observations on the reactivity of 2-thiobarbituric acid-reactive substances in dried whole egg powder. *J. Food Sci.* 31(2):223-225. Mar./Apr.1966. 389.8 F7322
- 62035 LANG, O. The quick-freezing of poultry. (Ge) *Kalte* 19(2):55-56,58-59. Feb.1966. 295.8 K122
- 62036 LIBEAU, C. P. Egg pricing for the Boston egg market structure. *U. S. Farmer Coop. Serv. Serv. Rep.* 78,24 p. Feb.1966. A280.29 F22
- 62037 LOANE, P. Production of bacterial alpha-amylase in Queensland egg pulp. *Queensland J. Agr. Anim. Sci.* 22(3):335-341. Ref. Sept.1965. 23 Q37
- 62038 MELLOR, D. B. A study of *Salmonella* derby contamination of shell eggs. *Diss. Abs.* 26(3):1291-1292. Sept.1965. 241.8 M58
- 62039 MOSTERT, G. C., HARRINGTON, R. B., and STADELMAN, W. J. The effect of aging time, sex, strain and age on cooking time of turkey meat. *Poultry Sci.* 45(2):359-362. Ref. Mar.1966. 47.8 Am33P
- 32040 PABLO, I. S., SILVERMAN, G. J., and GOLDBLITH, S. A. Microbial growth patterns of rehydrated freeze-dried foods. II. Chicken. *J. Food Sci.* 31(2):245-252. Ref. Mar./Apr.1966. 389.8 F7322
- 62041 PEELER, R. J., and SCHRIMPER, R. A. Egg promotion: a controlled experiment evaluation. *Poultry Sci.* 45(2):226-233. Mar.1966. 47.8 Am33P
- 62042 QUEENSLAND DEPT. OF PRIMARY INDUSTRIES. DIV. OF MARKETING. Report on poultry industry, 1964-65 season. Brisbane, 1964,i.e.1965? 9 p.,map. 281.3479 Q3 Statistics.
- 62043 REPUBLIC OF SOUTH AFRICA, EGG CONTROL BOARD. Twelfth annual report 1st July, 1964 to 30th June, 1965. Pretoria, 1965. 10 p. 47.9 So86
- 62044 REVUE DE L'ELEVAGE. Production de l'oeuf de consommation [Production of the market egg]. *Rev. Elevage* 39(spec.no.),166 p. 1966. 49 B462
- 62045 SCHOTHORST, M. VAN, MOSSEL, D. A. A., and KAMPELMACHER, E. H. Experiences with the so-called "agar-sausages" according to Ten Cate as an aid in the hygienic evaluation of poultry processing plants. (Du) *Tijdschr. Diergeneesk.* 91(3):178-185. Ref. Feb.1,1966. 41.8 T431 English summary.
- 62046 SELTZER, N. What's new in egg packaging? *Poultry Trib.* 72(5):36,38. May 1966. 47.8 P8642
- 62047 SHRIMPTON, D. H. Eggs and poultry. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:406-418. Ref.,p.410-418. 1964. 382 M31R Literature review on various aspects of the industry.
- 62048 SIEGMANN, O. New methods in slaughter poultry inspection in the service of meat sanitation and poultry industry. (Ge) *Arch. Lebensmittelhig.* 17(2):31-33. Feb.1966. 41.8 L48
- 62049 SILLIKER, J. H., SCHMALL, A., and CHIU, J. Y. The fluorescent antibody technique as a means of detecting salmonellae in foods. *J. Food Sci.* 31(2):240-244. Ref. Mar./Apr.1966. 389.8 F7322 With special reference to eggs.
- 62050 SIMINTZIS, G., and FONTENAILLE, P. Effect of pasteurization on *Salmonella* in frozen eggs. (Fr) *Acad. Vet. France. Bull. (n.s.)* 38(10):477-483. Ref. Dec.1965. 41.9 R24 Includes discussion.
- 62051 SMITH, C. T., and others. Ronnel residues in eggs of poultry. *J. Econ. Entomol.* 58(6):1160-1161. Dec.1965. 421 J822 F. R. Shaw, D. L. Anderson, R. A. Callahan, and W. H. Ziener, joint authors.
- 62052 SPIEGEL, L. S. Develop basic line before you start precooking. *Broiler Indus.* 29(4):63,65-66. Apr.1966. 47.8 N45 Poultry meat products.
- 62053 SPIEGEL, L. S. Medium-size plant most apt to get wrong start. *Broiler Indus.* 29(2):76,78; (3):50,52. (Cont.) Feb.-Mar.1966. 47.8 N45 Title varies. Prepared poultry products industry.
- 62054 STEWART, D. J. The occurrence of enteropathogenic *E. coli* and salmonellae in processed broilers. *Int. Congr. Food Sci. Technol. Proc., 1st Congr.,v.2:485-490.* 1962,pub.1965. TP368.I5 Contamination of meat.
- 62055 STORY, J. R. How to convert your customers to accepting frozen poultry. *Quick Frozen Foods* 28(3):304. Oct.1965. 389.8 Q4 Advertising.
- 62056 SZLAMENICKY, I. Main economic factors influencing egg consumption. 1. (Hu) *Baromfitenyesztes* 10(2):10-11. (Cont.) Feb.1966. 47.8 B262 Includes price relations.
- 62057 SZLAMENICKY, I. Main economic factors influencing egg consumption. 2. (Hu) *Baromfitenyesztes* 10(3):16. Mar.1966. 47.8 B262
- 62058 THOMSON, J. E., and others. Effect of time and temperature of commercial continuous chilling of fryer chickens on carcass temperatures, weight, and bacterial counts. *Poultry Sci.* 45(2):363-369. Ref. Mar.1966. 47.8 Am33P A. J. Mercuri, J. A. Kinner, and D. H. Sanders, joint authors.
- 62059 THORNLEY, M. J., and BARNES, E. M. Screening methods for identifying the aerobic gram-negative flora of poultry. *Int. Congr. Food Sci. Technol. Proc., 1st Congr.,v.2:573-577.* Ref. 1962,pub.1965. TP368.I5
- 62060 VERGER, M. The criteria of quality and control of market eggs. (Fr) *Rev. Elevage* 39(spec.no.):47-48,51-52,55,57-58,61. 1966. 49 B462
- 62061 VIALI, G. Too many eggs: the situation. (It) *G. Agr.* 76(10):107. Mar.6,1966. 16 It1G
- 62062 WAGNER, W. USDA develops grades for poultry roasts. *Agr. Marketing [Washington]* 11(4):7. Apr.1966. A280.38 Ag8
- 62063 WALTERS, R. E., and HAMANN, J. A. Turkey processing operations. *Amer. Soc. Agr. Eng. Pap.* 329,13 p. 1965. 290.9 Am32P
- 62064 WEEKS, W. G. R. Marketing today and tomorrow. *Chicken, Egg* 1(6):21,23,25,27-28. Mar./Apr.1966. 47.8 C432 Poultry meat in Britain.
- 62065 WHITE, H. D., and MAY, K. N. Sanitary engineering in the poultry industry. *Amer. Soc. Agr. Eng. Pap.* 330,10 p. 1965. 290.9 Am32P
- 62066 WILKINSON, R. J. Relationships between cooked temperature and tenderness or juiciness of boneless turkey rolls as measured by physical, sensory and chemical methods. *Diss. Abs.* 26(8):4562. Feb.1966. 241.8 M58
- 62067 WOODBURN, M., and others. Frying chickens purchased in retail markets in one area. 1-2. *Poultry Sci.* 45(2):253-259,263-269. Ref. Mar.1966. 47.8 Am33P R. Harrington, W. J. Stadelman, M. Jewell, and G. E. Vail, joint authors. Microbiological and flavor aspects.

RUBBER AND RUBBER SUBSTITUTES

- 62068 ACRES, J., and REDFERN, C. J. Historical and statistical review. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:1-4. 1964. 305.9 In7A Rubber consumption, natural and synthetic.

- 62069 AUDLEY, B. G. The isolation and composition of helical protein microfibrils from *Hevea brasiliensis* latex. *Biochem. J.* 98(1):335-341. Ref. Jan.1966. 382 B52
- 62070 BELMAS, R. Some aspects of Japanese rubber industry and plastic materials. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(1):37-38. Jan.1966. 305.8 R32
- 62071 BUSWELL, A. G. Physical testing and specifications, other than for latex. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28: 48-55. Ref. 1964. 305.9 In7A
Reviews.
- 62072 COOPER, A. Cellular rubber. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28: 87-92. Ref. 1964. 305.9 In7A
Reviews.
Foam.
- 62073 DADSON, L. M. Synthetic rubber production. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:44-47. Ref. 1964. 305.9 In7A
In comparison to natural rubber.
- 62074 DAVIES, B. L. Hard rubber. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28: 93-95. Ref. 1964. 305.9 In7A
Reviews.
- 62075 DICKIE, R. A. Rheological properties of natural rubber networks. *Diss. Abs.* 26(9):5058-5059. Mar.1966. 241.8 M58
- 62076 FORBES AND WALKER LTD. Ceylon rubber review 1965. Colombo, 1966. 13 p. 286.37 C33
- 62077 GIENGER, E. B. Reactive elastomers. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(1):41-42. Jan. 1966. 305.8 R32
- 62078 GLAZER, J. Rubber. *Soc. Chem. Indus. Rep. Progr. Appl. Chem.* 49:522-533. Ref. 1964. 382 M31R
Literature review.
- 62079 GOTOH, R., TAKENAKA, T., and HAYAMA, N. Simultaneous measurements of stress relaxation and infrared dichroic change of vulcanized natural rubber. *Kyoto Univ. Inst. Chem. Res. Bull.* 43(4/5):369-379. Ref. Sept. 1965. 385 K99
- 62080 INSTITUTION OF THE RUBBER INDUSTRY, LONDON. Annual report on the progress of rubber technology. Vol. XXVIII, 1964, edited by T. J. Drakeley. London, 1964. 117 p. Ref. 305.9 In7A
Reviews.
- 62081 JACKSON, J. L., SHEN, M. C., and MCQUARRIE, D. A. Intermolecular obstruction in rubber elasticity theory. *J. Chem. Phys.* 44(6): 2388-2392. Ref. Mar.15,1966. 334.8 J823
- 62082 LANGTON, N. H. Physics of raw and vulcanised rubber. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:24-31. Ref. 1964. 305.9 In7A
Reviews.
- 62083 MORGAN, D. R. Chemistry of raw and vulcanised natural rubber. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:18-23. Ref. 1964. 305.9 In7A
Reviews.
- 62084 MULLINS, L. Roads. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:99-101. Ref. 1964. 305.9 In7A
Reviews.
- 62085 NORMANDALE, O. C. T. R. Britain's rubber manufacturing industry one of the largest in the world. *Rubber India* 18(1):11-14. Jan. 1966. 305.8 R829
- 62086 OPLATKA, A., and KATCHALSKY, A. On the thermoelastic inversion point of swollen rubber. *Makromol. Chem.* 92:251-259. 1966. 384 M29
- 62087 PHILIP, K. M. Indian rubber industry. *Planting Com.* 13(4):44-50,52-56. May 8,1965. 22 P697
- 62088 PHILIP, K. M. Natural rubber & other raw material requirements of the rubber industry. *Planting Com.* 13(11):33-34,36-38,40. Sept.8, 1965. 22 P697
India.
- 62089 RUBBER PRODUCERS' COUNCIL OF MALAYA. Annual report, 1965. Kuala Lumpur, 1965. 20 p. 305.9 R82
- 62090 SEMEGEN, S. T. Natural rubber: progress & prognostication at the mid-decade. *Rubber World* 154(1):75-77. Apr.1966. 305.8 In2
- 62091 SUTTON, S. D. Utilisation, properties and application of latex. *Inst. Rubber Indus. Annu. Rep. Progr. Rubber Technol.* 28:10-17. Ref. 1964. 305.9 In7A
- 62092 THIRION, P., and CHASSET, R. Rubber friction. (Fr) *Rev. Gen. Caoutchouc Plast.* 43(2): 211-224. Ref. Feb.1966. 305.8 R32
English summary, p.141.

SEEDS

- 62093 ALEKSEEVA, L. V. "Sluggish" molding of stored vegetable seeds. (Rus) *Moskov. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 102:477-480. 1965. 20 M857
Beets, carrots and cabbage.
- 62094 DENMARK. STATSFROKONTROLLEN. Beretning for det 94. arbejdsar fra 1. Juli 1964 til 30. Juni 1965. Report from the Danish State Seed Testing Station for the 94th working year, from the 1st July 1964 to 30th June 1965. Denmark. Statsfroktr. Beretn. 94,89 p. Dec.1965. 61.4 D41
English summary.
- 62095 GRAHAM, J. G. Ingenious machines ensure well graded maize seed. *New Zeal. J. Agr.* 112(3):14-15,17. Mar.1966. 23 N48J
- 62096 GREAT BRITAIN. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Quality in seeds. Great Brit. Min. Agr. Fish. Food. Adv. Leaflet. 247,rev., 7 p. Jan.1966. 10 G79La
- 62097 HARMOND, J. E., BRANDENBURG, N. R., and JENSEN, L. A. Physical properties of seed. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):30-32. 1965. 290.9 Am32T
- 62098 JENSEN, H. A., and LANGKILDE, N. E. Determination of species of adventitious seeds and seedlings in samples of *Lolium perenne* L. and *Lolium multiflorum* Lam. (Da) Denmark. Statsfroktr. Beretn. 94:76-83. Ref. Dec. 1965. 61.4 D41
English summary.
- 62099 JUSTICE, O. L. Fluorescence test for ryegrass. *Ottawa, Dep. Agr.*, 1964. 13 p. 61 J98
Distinguishing *Lolium multiflorum* from *L. perenne*.
- 62100 KOZLOV, G. High quality seed-growing should be under unremitting control to provide more farms with better seed varieties. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 75:39-43. June 16,1965. (JPRS 30,640) 173 J663Tso
Translation from *Sel'skaya Zhizn'*, 55:3. Mar.7,1965.
Issued by CFSTI.
- 62101 LANG, I. Investigations of phenol reactions of wheat varieties tested in Denmark. (Da) Denmark. Statsfroktr. Beretn. 94:84-89. Ref. Dec.1965. 61.4 D41
English summary.
- 62102 PEREVERZEVA, G. I. Microorganisms of carrot, beet and tomato seeds under normal conditions of storage. (Rus) *Moskow. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 103:323-328. 1965. 20 M857
Abstracted in *Ref. Zh. Biol.* 21(sect.B):54. Nov.1965. 241.7 R25
- 62103 PEREVERZEVA, G. I. Microorganisms of cucumber, cabbage and onion seeds under conditions of normal storage. (Rus) *Moskow. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl.* 111(1):117-123. 1965. 20 M857
Abstracted in *Ref. Zh. Biol.* 21(sect.B):54. Nov.1965. 241.7 R25

- 62104 PEREVERZEVA, G. I. Microorganisms of fresh cucumber, cabbage and onions seeds. (Rus) Moskow. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 111(1):111-116. 1965. 20 M857
Abstracted in Ref. Zh. Biol. 21(sect.B):54. Nov.1965. 241.7 R25
- 62105 PEREVERZEVA, G. I., and TSONEVA, A. Microorganisms of fresh carrot, beet and tomato seeds. (Rus) Moskow. Ord. Lenina Sel'skokhoz. Akad. K. A. Timiryazeva. Dokl. 103:315-321. 1965. 20 M857
Chiefly bacteria.
Abstracted in Ref. Zh. Biol. 21(sect.B):54. Nov.1965. 241.7 R25
- 62106 QUINLIVAN, B. J. Pasture seeds—1965 statistics and comments. West. Australia. Dep. Agr. J. (ser.4)6(11):641-642. Nov.1965. 23 W52J
- 62107 REINTS, R. E., and YOERGER, R. R. Trajectories of seeds and granular fertilizers. Amer. Soc. Agr. Eng. Pap. 602,10 p. 1965. 290.9 Am32P
- 62108 RUGE, U. ed., and others. Gartnerische Samenkunde [Technology of horticultural seeds]. Berlin, Parey, 1966. 175 p. Ref. SB177.R8
R. Maatsch, E. Lowig, H. Pirson, H. H. Schmidt, joint authors.
- 62109 SANDERS, J. W. R. Some (superficial) observations in regard to the draft of the seed and plant law. (Du) Zaadbelangen 20(1):3-7. Jan.15,1966. 61.8 Z1
- 62110 SCHALL, E. D., CARTER, A. S., and SHENBERGER, L. C. Inspection of legume inoculants and pre-inoculated seeds. Ind. Agr. Exp. Sta. Insp. Rep. 60,7 p. Jan.1966. 280.39 In22
- 62111 SCHALL, E. D., QUAKENBUSH, F. W., and CARTER, A. S. Inspection of agricultural and vegetable seeds. Ind. Agr. Exp. Sta. Insp. Rep. 58,50 p. Sept.1965. 280.39 In22
- 62112 SOMMER, E. The chemical composition of sugar beet seeds. (Ge) Zuchter 35(6):259-266. Ref. 1965. 442.8 Z8
- 62113 SPREAFICO, L. Practical advice on seed selection. (It) Agr. Milan. 14(9):298-299. Sept. 1965. 16 C153
Grain seed quality factors.
- 62114 STRYDOM, E., and SORGE, H. R. Be careful when buying certain kinds of imported vegetable seed. Farming S. Afr. 41(12):5,11,17. Mar.1966. 24 So842
- 62115 WHITLOCK, R. The future of British certified grass seeds. Agr. Merchant 46(4):66-67. Apr. 1966. 10 Ag89
- SUGAR AND SIRUPS**
- 62116 ACENA, B., and MACATANGAY, P. Production of glucose from cassava or corn starch and its use by various industries. Sugar News [Manila] 42(2):88-89. Feb.1966. 65.8 Su36
- 62117 AHLFELD, H. World sugar balance 1964/65 as compared to 1963/64, 1962/63, and 1937/38. (Sp) Indus. Azucar. 71(858):171-172. May 1965. 65.8 In22
Production and trade statistics.
- 62118 ANGUS, I. Sugar in Western Canada. Sugar Club. Annu. 5:31-37, map. 1964/65. 286.3659 Su3
- 62119 ANUNCIACION, C. The government and the sugar industry. Sugar News [Manila] 42(1):19-20,22,24-26. Jan.1966. 65.8 Su36
Includes legislation and policies, in the Philippines.
- 62120 BEREZHKO, S. T. Correlation between some anatomical and utilitarian properties in sugar beet varieties. (Rus) In Belotserkovskaya Opytno-Selektsionnaya Stantsiya. Itogi Nauchno Issledovatel'skikh Rabot po Selektzii, Agrotekhnike i Zashchite Rastenii 1964:40-60. Not in Libr.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:32. July 1965. Film S-202
- 62121 BOWLES, R. E., BRULJN, F., and GRAHAM, W. S. Ash and conductivity of sugar samples. S. Afr. Sugar J. 50(2):163,165,167. Feb.1966. 65.8 So8
- 62122 COOLEY, H. D. Sugar in a troubled world. Sugar Club. Annu. 5:39-45. 1964/65. 286.3659 Su3
Policy.
- 62123 CROSS, W. E. The problem of frozen cane in the Argentine. Sugar Journal 28(10):8,10,12,14. Mar.1966. 65.8 Su391
Effects on the quality of the sugarcane products.
- 62124 CROSS, W. E. Sugar manufacturing in Argentina. Sugar Journal 28(10):27-30,33-35,37. Mar.1966. 65.8 Su391
- 62125 DECOUX, L. Parallel between sugarcane and sugar beets. (Fr) Agricultura [Louvain] (ser.2)14(1):3-47. Ref. Mar.1966. 13 R32
English summary.
Industry.
- 62126 DEWITT, K. W. Sugar, chocolate and sugar confectionery, preserves and non-fermented beverages. Soc. Chem. Indus. Rep. Progr. Appl. Chem. 49:419-429. Ref. 1964. 382 M31R
Literature review; includes sugar manufacture and analysis.
- 62127 ELEK, T. Using the raw sugar, non-affinated low grade massecuite, under the form of a crystalline mass, as a basis for massecuite 2nd jet. (Rum) Indus. Aliment. 16(12):632-636. Dec.1965. 389.8 In26
English summary, p.676.
Sugar manufacture.
- 62128 GELBER, P. Non-caking brown sugars; overcome formulation and handling problems; impart true brown sugar flavor and color. Food Process./Marketing [Chicago] 27(4):98-100. Apr.1966. 389.8 F7325
- 62129 GORBAN', D. V., and TVERDOKHLEBOV, L. S. Increasing the yield of white sugar. 6 p. (TT 63-16357) Transl. 15297
Translation from Sakharnaya Promyshlennost' 7:20-23. 1957.
Issued by CFSTI.
- 62130 GRAHAM, W. S. Some notes on Natal C massecuites and C molasses. S. Afr. Sugar J. 50(2):153,155,157-159,161,163. Feb.1966. 65.8 So8
Properties and quality.
- 62131 GRAY, F. D. When winter starts to break—they make that sweet stuff. Agr. Situation [Washington] 50(4):13. Apr.1966. 1 Ec7Ag
Maple sirup.
- 62132 GREAT BRITAIN. SUGAR BOARD. Annual report, July 1964 to December 1965. London, 1966. 56 p. 281.3659 G792
- 62133 GROEBEL, W. Gas chromatographic determination of saccharine. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(3):153-155. 1966. 384 Z39
- 62134 GUPTA, S. C., and others. Factory trial of the Defeco Melt Crystallisation Process for the manufacture of white sugar without sulphur. Indian Sugar [Calcutta] 15(10):653-660. Jan. 1966. 65.8 In26
N. C. Varma, N. A. Ramaiah, J. P. Bansal, N. C. Jain, and J. P. Bahadur, joint authors.
- 62135 HANGYAL, K. Changes in technological properties of sugar beet during storage. (Hu) Cukoripar 19(2):44-52. (Cont.) Ref. 65.8 C89
- 62136 KELLY, N. The challenge of the synthetic sweeteners. Sugar Club. Annu. 5:11-16. 1964/65. 286.3659 Su3
- 62137 KEPPELER, R. A., and HALL, C. W. Thermal properties of some frozen sugar solutions. Amer. Soc. Agr. Eng. Pap. 808,11 p. 1965. 290.9 Am32P
Ice cream and frozen desserts.

- 62138 KONN, V. The influence of invert sugar upon removal of amino-acids from sugar solutions during saturation. 16 p. (TT 63-14574) Transl. 15309
Translation from Listy Cukrovarnicke 49: 190-195, 1930.
Issued by CFSTI.
- 62139 LOUDON, F. R. The determination of total sucrose in cane and its distribution among individual suppliers by the Java Ratio Method. S. Afr. Sugar J. 50(1):53,55,57,59,61. Jan.1966. 65.8 So8
- 62140 MAUCH, W., SCHMIDT-BERG, S., and BOUR-ZUTSCHKY, H. Enzymatic determination of L(+)-lactic acid in liquids containing sucrose. I. Sucrose-L(+)-lactic acid model solutions. (Ge) Z. Zuckerindus. 15(11):625-630. Ref. Nov.20,1965. 65.8 D48
English summary.
Sugar beet juices.
- 62141 MEHTA, J. S. Sugar production reaches new peak: need for greater incentives. Indian Sugar [Calcutta] 15(9):593-597. Dec.1965. 65.8 In26
Industry.
- 62142 MURPHY, T. O. The long-term world sugar picture. S. Afr. Sugar J. 50(1):33,35,37,39. Jan.1966. 65.8 So8
Outlook and industry.
- 62143 MURRAY, C. W. Thoughts on the diffusion process. Sugar J. 27(5):33-34. Oct.1964. 65.8 Su391
- 62144 NEBOT RUBIO, A. Spain; toward sugar autarchy? (Sp) Rev. Sindical Estad. 20(79):5-46. map. 1965. 263 Es8B
Statistics of the sugar beet industry.
- 62145 OESERT, K. Sugar beet production before the beginning of the E.E.C. market regulation. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 137:3-8, map. Feb.15,1966. 281.8 B462
- 62146 O'LBRIKH, H., and PEETZ, S. Studies of the spontaneous decomposition of Brazilian cane molasses. (Ge) Z. Zuckerindus. 15(11):643-648. Ref. Nov.20,1965. 65.8 D48
English summary.
- 62147 PARDON, D. Modern operation control in sugar industry. (Ge) Z. Zuckerindus. 15(11):630-634. Nov.20,1965. 65.8 D48
English summary.
- 62148 PATON, W. J. R. The sugar refining industry in Canada. Sugar Club. Annu. 5:3-8. 1964/65. 286.3659 Su3
- 62149 RIDIN, O. Wholesale trade in sugar. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 98:1-5. Dec.7,1965. (JPRS 33, 188; TT 65-33764; CSO 1840-D/PE) 173 J663Tro
Production and marketing.
Translation from Sovetskaya Torgovlya 10: 19-21. Oct.1965.
- 62150 RUPAREL, G. J. Sugar industry in Deccan. Indian Sugar [Calcutta] 15(8):557-560. Nov. 1965. 65.8 In26
- 62151 SASTRY, D. U. Location of the sugar industry in India. Gokhale Inst. Polit. Econ. J. 7(4): 352-370. Dec.1965. 280.9 G56A
- 62152 SHERIDAN, R. B. The wealth of Famaica in the eighteenth century. Econ. Hist. Rev. (ser.2)18(2):292-311. Ref. Aug.1965. 277.8 Ec7
Includes sugarcane production and estates.
- 62153 SHIFMAN, M. Giants of sugar refineries, speed up work. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93: 62-65. Sept.7,1965. (JPRS 31,833; TT 65-323-77; CSO 1840-S) 173 J663Tro
Translation from Stroitel'naya Gazeta July 11, 1965:2.
- 62154 SLABY, D. R. The use and handling of liquid sugar. Ass. Food Drug Offic. U. S. Quart. Bull. 29(3):111-116. July 1965. 389.9 As7Q
- 62155 SUGAR CLUB. Annual, number five, 1964-65 season. New York, 1965. 73 p. 286.3659 Su3
- 62156 SYMPOSIUM ON LOW-CALORIE FOODS. [Proceedings]. Food Technol. 20(3):39-40. (Cont.) Mar.1966. 389.8 F7398
This section contains "Technical aspects of non-nutritive sweeteners in dietary products," by J. A. Stein.
- 62157 THOMSON, A. A. Building a beet-cane factory. Sugar Club. Annu. 5:19-24. 1964/65. 286.3659 Su3
Program under Area Redevelopment Administration of the Department of Commerce.
- 62158 VAVRINECZ, G. The new Hungarian sugar standard. (Hu) Cukoripar 19(2):41-43. Mar./Apr.1966. 65.8 C89
German summary.
- 62159 ZOBELL, H. D. Thirty years in the agricultural department. Sugar Beet 18(47):20-23,34. Spring 1966. 66.8 Su34B
Sugar beet industry covering the last thirty years; includes outlook.

TOBACCO

- 62160 ANDERSON, J. W., and ROWAN, K. S. The effect of 6-furfurylaminopurine on senescence in tobacco-leaf tissue after harvest. Biochem. J. 98(2):401-404. Ref. Feb.1966. 382 B52
- 62161 AUSTRALIA. DEPT. OF PRIMARY INDUSTRY. Tenth annual report of the Tobacco Industry Trust Account for year ended 30th June, 1965. Canberra, 1965. 10 p. 286.3699 Au7
- 62162 BLINCOE, C. Fear poundage rejection will end price supports. Tobacco [New York] 162 (17):72,81. Apr.29,1966. 286.89 T552
- 62163 BOCESKI, D. Objective determination of the degree of fermentation of oriental tobaccos. 8 p. Transl. 15294
Translation from Duvan 11(6/7):211-216. June/July 1961.
- 62164 BODUROV, D. The relationship between the external characteristics of tobacco leaves and their chemical and smoking properties. 9 p. Transl. 15292
Translation from Bulgarski Tyutyun 6(6):39-44. 1961.
- 62165 BOGOTA. INSTITUTO NACIONAL DE FOMENTO TABACALERO. Censo tabacalero de Colombia [Tobacco census of Colombia] 1964. Bogota, 1965. 281.3699 B63
- 62166 BRUCE, L. C. North Carolina ports—their success lies in tobacco. Tobacco [New York] 162(17):111-113. Apr.29,1966. 286.89 T552
- 62167 BUCHET, J. Tobacco conditioning in the Semois Region. (Fr) Rev. Agr. [Brussels] 19 (1):3-19. Jan.1966. 13 R322
- 62168 BUNN, J. M., HENSON, W. H., and SMITH, E. M. A study of controlled curing methods for primed burley tobacco. Amer. Soc. Agr. Eng. Pap. 309,17 p. 1965. 290.9 Am32P
- 62169 CASPE, S. U.S. tobacco industry—historical review. Tobacco [New York] 162(13):14-15. Apr.1,1966. 286.89 T552
- 62170 CASSELS-SMITH, G. R. Maryland's predicament: manufactures disinterest. Tobacco [New York] 162(17):79. Apr.29,1966. 286.89 T552
- 62171 CLASSIFICATION terms officially defined. Rhodesian Tobacco J. 18(3):31-33. Mar.1966. 69.8 R34
- 62172 COLE, R. L., and PEARSON, D. S. The tobacco industry of Central Africa 1953-1963. East Afr. Econ. Rev. (n.s.)1(3):46-77. Ref. Dec. 1965. 280.8 Ea74
- 62173 CYRUS, J. H. 1965 was good—1966 will be better. Tobacco [New York] 162(17):32-33. Apr.29,1966. 286.89 T552
- 62174 DENNIS, H. A. 1965 Rhodesia, revenue, retribution. Tobacco [New York] 162(17):40-43,84. Apr.29,1966. 286.89 T552
- 62175 FREEMAN, O. L. Two-price system needed to make U.S. leaf competitive. Tobacco [New York] 162(15):14-15. Apr.15,1966. 286.89 T552

- 62176 GODFREY, H. D. Acreage-poundage—one year later. Tobacco [New York] 162(17):29-31. Apr.29,1966. 286.89 T552
- 62177 HARRELSON, W. L. Loose-leaf sales would benefit everyone. Tobacco [New York] 162(17):34-35,85. Apr.29,1966. 286.89 T552
- 62178 HUMPHRIES, E. G., JOHNSON, W. H., and HASSLER, F. J. Mechanisms controlling the drying rate of tobacco during curing. Amer. Soc. Agr. Eng. Pap. 307,29 p. 1965. 290.9 Am32P
- 62179 KAPNEMPORIKE HOMOSPONDIA TES HEL-LADOS. Tobacco is an important product of our country. (Gre) Athens. Emporikon Biomechanikon Epimelerion. Delt. 41(3):28-31. Mar.1966. 286.9 At4
Policies for marketing.
- 62180 KELLER, K. R. Research—the key that unlocked many doors. Tobacco [New York] 162(17):66-69,86. Apr.29,1966. 286.89 T552
- 62181 LEONOV, I. P. Aerodynamic properties of green tobacco leaves. 18 p. (TT 64-10664) Transl. 15431
Translation from Krasnodar. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki. Sbornik Nauchno-Issledovatel'skikh Rabot 151:117-126. 1960.
Issued by CFSTI.
- 62182 LIGUORI, O. Tests in curing Levant tobacco under polyethylene coverings. (It) Agricoltura 15(3):40-45. Mar.1966. 16 Ag8226
- 62183 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Produktiestatistieken, tabakverwerkende industrie 1964 [Production statistics, tobacco processing industries 1964]. Hilversum, 1966. 36 p. 259 St2Pr
- 62184 NEW ZEALAND. TOBACCO BOARD. Annual report, 1965. Wellington, 1965. 29 p. 281.3699 N48
- 62185 PANOV, P. TS., and BOYANOV, B. I. Use of infrared rays in tobacco curing. 10 p. Transl. 15380
Translation from Tabak [Moscow] 20(4):50-52. 1959.
- 62186 PASKALEVA-TOMOVA, K., ARSENYAN, E., and SECHENSKA, M. Investigations on the relation between the free amino acids and the color of light flue-cured Virginia tobacco. Bulgarska Akad. Nauk. Dokl. 18(4):381-384. Ref. 1965. 512 So2
- 62187 PETRENKO, A. G., and BELYAKOVA, Z. P. Changes in chlorophyll and nitrogenous substances of different colour tobacco leaves in the periods of ripening and curing. 15 p. Ref. (TT 64-10490) Transl. 15374
Translation from Krasnodar Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki. Sbornik Nauchno-Issledovatel'skikh Rabot 152:131-140. 1961.
Issued by CFSTI.
- 62188 PHILLIPS, R. J. Progress—another link in their chain of success. Tobacco [New York] 162(17):89,91,93. Apr.29,1966. 286.89 T552
Handling facilities at Virginia ports.
- 62189 PRESTON, J. B. Georgia "know how"—key to its success. Tobacco [New York] 162(17):74, 83. Apr.29,1966. 286.89 T552
Industry.
- 62190 QUEVEDO ALOUSO, A. Tobacco policy: study and critical examination of the present situation. (Sp) Agricultura [Madrid] 35(405):6-12, map. Jan.1966. 15 Ag84
- 62191 RANKIN, R. C. Bright leaf tobacco, 1965 crop. Wilmington, N. C., Carolina Printing & Stamp Co., 1965. 100 p. 286.3699 B76
Marketing statistics.
- 62192 SCISM, J. L. Acreage-poundage no panacea for all that ails flue-cured. Tobacco [New York] 162(17):44-47. Apr.29,1966. 286.89 T552
- 62193 SMITH, C. H. Pneumatic conveyors—a boon to leaf processors. Tobacco [New York] 162(17):58-60. Apr.29,1966. 286.89 T552
- 62194 STREET, O. E., and MCKEE, C. G. Maryland tobacco; a worldly heritage—a world market. Tobacco [New York] 162(17):76-77,85. Apr.29, 1966. 286.89 T552
- 62195 TOBACCO. Dixie directory. Tobacco [New York] 162(17):116-132,135-147. Apr.29,1966. 286.89 T552
- 62196 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Burley tobacco acreage-poundage referendum, Thursday, March 10, 1966. U. S. D. A. PA-704,4 p. Feb.1966. 1 Ag84Pro
Marketing quota in pounds with acreage allotment.
- 62197 YOUNG, J. H., and BUNN, J. M. An analytical description of the moisture sorption of cured tobacco. Amer. Soc. Agr. Eng. Pap. 308,17 p. 1965. 290.9 Am32P
- 62198 ZOLOTOVICH, G., ARSENYAN, E., and PASKALEVA-TOMOVA, K. Leaf pigments in Virginia tobacco and improved paper chromatographic method of their separation. Bulgarska Akad. Nauk. Dokl. 18(4):377-380. Ref. 1965. 512 So2

MISCELLANEOUS PRODUCTS

- 62199 ALLEN, L. A., and others. Recent investigations on food yeast. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:541-548. 1962, pub.1965. TP368.I5
M. Fleming, B. Hollis, and E. S. F. Rogans, joint authors.
- 62200 BANKS, A., and HARDY, R. Fat oxidation in relation to the preservation of fatty fish. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:203-209. Ref. 1962, pub.1965. TP368.I5
- 62201 BOTELHO, A. T. Aspects of preserving fish in brine. (Por) Conserv. Peixe 20(239):19,34; (240):29. (Cont.) Feb.-Mar.1966. 389.8 C7692
- 62202 BUSTER, L. S. The rose box. Amer. Rose Annu. 51:40-42. 1966. 81 Am31A
Transportation equipment.
- 62203 CAPE TOWN. FISHING INDUSTRY RESEARCH INSTITUTE. Eighteenth annual report, January-December, 1964. 97 p. 414.9 F53A
Includes fish processing.
- 62204 COENS, C. L. Roses in your diet. Amer. Rose Annu. 51:148-149. 1966. 81 Am31A
- 62205 COLE, R. C., and GREENWOOD-BARTON, L. H. Problems associated with the development of fisheries in tropical countries. III. The preservation of the catch by simple processes. Trop. Sci. 7(4):165-183. Ref. 1965. 26 T756
- 62206 COORTS, G. D., GARTNER, J. B., and MCCOLLUM, J. P. Effect of senescence and preservative on respiration in cut flowers of Rosa hybrida, "Velvet Times." Amer. Soc. Hort. Sci. Proc. 86:779-790. Ref. June 1965. 81 So12
- 62207 DENDY, D. A. V. The assay of annatto preparations by thin-layer chromatography. J. Sci. Food Agr. 17(2):75-76. Feb.1966. 382 So12
Measuring bixin in Bixa orellana.
- 62208 EMERSON, J. A., and others. Irradiation preservation of freshwater fish. Food Technol. 20(2):108-110. Feb.1966. 389.8 F7398
N. Kazanas, R. A. Greig, H. L. Seagran, and L. L. Kempe, joint authors.
- 62209 ERICHSEN, I., MOLIN, N., and TEAR, J. On the microflora in semi-preserved fish products. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:413-424. Ref. 1962, pub.1965. TP368.I5
- 62210 GAMMERMAN, A. F. Medicinal plant resources in China and Tibet. Soap. Perfumery Cosmetics 39(3):201-204. Mar.1966. 307.8 So13
Translation from Pyatigorsk. Farmatsevticheskii Institut, 1958: 373-377.
- 62211 GERLACH, J. C. Trials with treated bamboo show possibilities for farm use. New Zeal. J. Agr. 112(3):67,69. Mar.1966. 23 N48J
Treatment with preservatives.

- 62212 HOFMAN, N. C. Marketing in the ornamental plants sector. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):132-138. Mar.1965. 86 N384
English summary, p.173.
Discussion, p.146-148.
- 62213 ISHII, R. Utilization of food and fodder yeast in Japan. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:503-509. Ref. 1962, pub. 1965. TP368.I5
- 62214 IYENGAR, M. S. Assam coal and bamboo can serve nation; regional laboratory's work: research also on petroleum and cement. Yojana 10(2):7-9. Feb.6,1966. 280.8 Y7
Chiefly research on bamboo in paper making.
- 62215 MALHOTRA, S. S. Recent advances in processing and packaging of sea-foods. J. Food. Sci. Technol. [Mysore] 2(1):34-39. Ref. Apr. 1965. 389.8 J823
In India.
- 62216 MASUROVSKY, E. B., NICKERSON, J. T. R., and GOLDBLITH, S. A. Some recent advances in the microbiology of sea foods treated with substerilization doses of ionizing energy. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:311-330. Ref. 1962, pub.1965. TP368.I5
Irradiated fish.
- 62217 MITSUDA, H. Utilization of Chlorella as food. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:529-539. Ref. 1962, pub.1965. TP368.I5
For protein supply in Japan.
- 62218 NOVAK, A. F., and others. Radiation pasteurization of gulf coast oysters. Food Technol. 20 (2):103-104. Feb.1966. 389.8 F7398
J. A. Liuzzo, R. M. Grodner, and R. T. Lovell, joint authors.
- 62219 PIRATI, D. Effect of monosodium glutamate on canned tuna. (It) Indus. Conserve 41(1):7-11. Ref. Jan./Mar.1966. 389.8 In23
English summary.
- 62220 RAO, S. V. S., and VALSAN, A. P. Pickling of mackerels in tropical countries using propionic acid as preservative. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:221-226. Ref. 1962, pub.1965. TP368.I5
- 62221 RAVICH-SHCERBO, YU. A. Sanitation and bacteriological control analyses in the fish preserving industry. 4 p. (OTS 63-11119) Transl. 14335
Translation from Voprosy Pitaniya 19(5):79-82. 1960.
CFSTI: \$.50.
- 62222 SEN, D. P., and IYENGAR, J. R. Studies on defatting and deodorization of fish protein concentrate from Bombay-duck fish (Harpodon nehereus). J. Food Sci. Technol. [Mysore] 2(1):vi-vii. Apr.1965. 389.8 J823
- 62223 SEN, D. P., and LAHIRY, N. L. Salt-curing and sun-drying of mackerel (Rastrelliger canagurta). Int. Congr. Food Sci. Technol. Proc., 1st Congr. v.2:239-246. 1962, pub.1965. TP368.I5
- 62224 VERKAUFSGEHOSSENSCHAFT FUR GARTNERISCHE PRODUKTE ZURICH UND UMGEBUNG. Statistik [Statistics], 1965. Zurich, 1966. 77 p. 280.3909 V58
Ornamental plants and cut flowers.
- 62225 VERZELE, M. Practical aspects of hops chemistry. (Du) Int. Tijdschr. Brouwerij Mouterij 25(5):150-154. 1965/66. 390.8 R32Af
- 62226 WOLTER, E., and FEDDER, K. Hops analysis with the Fuchs-Klein-Messer mill. (Ge) Monatsschr. Brauerei 18(6):158-159. June 1965. 390.8 B7323

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 62227 ABEL, W. Agrarkrisen und Agrarkonjunktur; eine Geschichte der Land- und Ernährungs-wirtschaft Mitteleuropas seit dem hohen Mittel-alter [Agricultural depressions and business conditions; a history of the agricultural and food economics of Central Europe since the high Middle Ages]. Ed. 2, rev. and enl. Ham-burg, Parey, 1966. 301 p., map. HD1917.A2
Bibliography on prices and wages, p.291-296.
- 62228 AGRICULTURAL economy of the Italian re-gions. XV. Piedmont. Ital. Doc. Notes. 14(5): 405-420. Sept./Oct.1965. 280.8 It13
- 62229 AMADEI, G. The lessons of history: economic development between the ninth and fourteenth centuries. (It) Riv. Polit. Agr. 13(1):15-23. Mar.1966. 281.8 R523
- 62230 AVILA, M. Rural-urban disparities and eco-nomic underdevelopment. Diss. Abs. 26(9): 5073-5074. Mar.1966. 241.8 M58
Mexico.
- 62231 BACK, W. B. Effects of the natural resource base on chronically depressed rural areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:137-149. Nov.1965. 281.9 N8122
- 62232 BALLAS, D. J. Geography and the American Indian. J. Geogr. 65(4):156-168, map. Ref. Apr.1966. 278.8 J82
Includes the agricultural economy and land tenure and use.
- 62233 BARBERO, G. The dynamics of structures and land planning. (It) Riv. Econ. Agr. 20 (2/3):355-417. Ref. 1965. 281.8 R52
English summary.
Agriculture in economic programs and land use.
Includes discussion with introduction by G. Favaretti.
- 62234 BARBINA, A. Public intervention in ultra-depressed mountain zones. (It) Agr. Venezia 19(5):223-240. May 1965. 16 Ag826
- 62235 BAUM, E. L., and GLASGOW, R. B. A case study of a persistent low income area in south central Kentucky—its needs and potentials for development. N. C. State Univ. Agr. Policy Inst. Ser. 19:151-172. Nov.1965. 281.9 N8122
- 62236 BOWMAN, M. J., and ANDERSON, C. A. Inter-disciplinary aspects of the theory of regional development. N. C. State Univ. Agr. Policy Inst. Ser. 19:13-32. Nov.1965. 281.9 N8122
- 62237 BRANDAO, E. D. The education of the agricul-tural economist. (Por) Rev. Ceres 12(69):169-186. Jan./June 1965. 9.2 C332
English summary.
- 62238 BROWN, E. E., CULVER, D. W., and ROSE, B. B. The economic development of the South-west Georgia Planning and Development Com-mission area through utilization of the agricul-tural and agribusiness base. Ga. Agr. Exp. Sta. Bull. (n.s.)151,54 p., map. Dec.1965. 100 G293B
Southwest Georgia Planning and Development Commission, cooperating.
- 62239 CAMPUS, F. The dynamic of land structures and utilization in depressed areas. (It) Riv. Econ. Agr. 20(2/3):249-354. 1965. 281.8 R52
English summary.
Includes statistics of income, farmers by age group, farm types and size, and crop areas for Italy.
Includes discussion with introduction by C. Barberis.
- 62240 CARIAS, M. V. Rural planning in Israel. (Sp) Econ. Polit. 4(12):7-23. July/Sept.1965. 280.8 Ec7236
Economic program.
- 62241 COHEN, A. The technology/elite approach to the developmental process; Peruvian case study. Econ. Develop. Cult. Change 14(3): 323-333. Ref. Apr.1966. 280.8 Ec7226
Includes discussion of the agricultural land-owners.
- 62242 DELTSOS, J. Some aspects on the develop-ment of agricultural economy on mountains in the district of Achaea (Peloponnesus). (Fr) Mediterranea 8:304-309. Oct./Dec.1965. 281.8 M462
- 62243 DRAISMA, M. In Sweden—an agriculture under pressure of prosperity. 1. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(10/11): 477-479. Oct./Nov.1965. 12 N383M
- 62244 DUMONT, R. Lands alive. 247 p. New York, Monthly Rev. Press, 1965. HD1445.D8
Agricultural economy and land tenure in vari-ous countries.
Translation of Terres Vivantes.
- 62245 EVANS, H. C., and SHEPPARD, V. M. Eco-nomic outlook—1966. W. Va. Agr. Exp. Sta. Bull. 520:5-7. Jan.1966. 100 W52
- 62246 FEDERAL-PROVINCIAL AGRICULTURAL OUTLOOK CONFERENCE, OTTAWA, 1965. [Working papers]. Ottawa? 1965. various pag-ing. HD1785.F42
General economic outlook and situation and outlook for individual commodities; includes statistics.
- 62247 FELICIANI, A. Considerations on new aspects of the Lombard alpine mountain agricultural economy. (It) Bull. Agr. [Milano] 99(13):1-3. June 25,1965. 16 B87
- 62248 FERRARI-AGGRADI, M. Make of agriculture a balanced component of the Italian economy. (It) Agricoltura 14(2):19-23. Feb.1965. 16 Ag8226
- 62249 FERRARI-AGGRADI, M. Toward the actuation of the national program of economic develop-ment. (It) Agricoltura 14(8):15-16. Aug.1965. 16 Ag8226
- 62250 FLIEGEL, F. C., and BROWN, E. J. Low-in-come farm people. J. Coop. Ext. 4(1):44-50. Spring 1966. 275.28 J82
- 62251 FRANCE. DIRECTION DE LA DOCUMENTA-TION. L'economie du Danemark [The economy of Denmark]. France. Dir. Doc. Notes Etudes Doc. 3265,63 p., map. Feb.19,1966. 280.9 F843
Agriculture included.
- 62252 FRANCE. DIRECTION DE LA DOCUMENTA-TION. Progres economiques realises dans les pays en voie de developpement [Economic prog-ress accomplished by countries in the course of development]. France. Dir. Doc. Notes Etudes Doc. 3269,28 p. Mar.3,1966. 280.9 F843
- 62253 GREEN, H. A. Analytical methods for the determination of growth potentials of depressed rural areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:207-221. Ref. Nov.1965. 281.9 N8122
- 62254 GRIFFIN, K. B. Reflections on Latin Ameri-can development. Oxford Econ. Pap. (n.s.)18 (1):1-18. Mar.1966. 280.8 Ox2
Includes economic conditions of rural people.
- 62255 HOANG BAC. Economic development of the mountain region. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 224:20-31. Feb.8, 1966. (JPRS 34,048; TT 66-30490) 173 J663Trn
Includes agriculture.
Translation from Tuyen Huan 12:25-32. Dec. 1965.
Issued by CFSTI.
- 62256 IHLE, H. A. Little ABC for agricultural pub-licity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(5):158-160. (Cont.) Feb.3,1966. 18 N39
- 62257 IHLE, H. A. Little ABC for agricultural pub-licity helpers. (Ge) Mitt. Deut. Landwirt.-Ges. 81(8):306-307. (Cont.) Feb.24,1966. 18 N39

- 62258 ITALY. ISTITUTO NAZIONALE DI ECONOMIA AGRARIA. Annuario dell'agricoltura italiana [Annual of Italian agriculture]. Volume XVII, 1964. Roma, 1965. 459 p. 281.8 An7
An economic survey.
- 62259 JERSCHKOWSKY, O., and LEWINS, L. Basic data on the economy of U.S.S.R. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-66-9,27 p., map. Ref. Apr.1966. 157.54 Ov2
Includes the agricultural economy.
- 62260 JOHNSON, P. R. Effects of advancing technology and capital intensification in agriculture on chronically depressed rural areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:101-111. Nov.1965. 281.9 N8122
- 62261 JOHNSTON, B. F., and NIELSEN, S. T. Agricultural and structural transformation in a developing economy. Econ. Develop. Cult. Change 14(3):279-301. Ref. Apr.1966. 280.8 Ec7226
- 62262 KUAN, T. T. Commerce must serve rural villages. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 12:19-32. Feb.25,1966. (JPRS 34,301; TT 66-30742; CSO 13115-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 12:11-17. Dec.20,1965.
Issued by CFSTI.
- 62263 LANDBRUKETS SENTRALFORBUND. Arbok for Landbrukets økonomiske organisasjoner [Yearbook of the agricultural economic organizations], 1965. Oslo, 1965. 367 p. 280.29 L235
Economic conditions and cooperative organizations.
- 62264 LE RAY, N. L. Full-time farmers and part-time farmers in a low-income area of northern New York State: a study of their socio-economic characteristics. Diss. Abs. 26(9):5198. Mar.1966. 241.8 M58
- 62265 LEVEN, C. L. Theories of regional growth. N. C. State Univ. Agr. Policy Inst. Ser. 19:1-12. Nov.1965. 281.9 N8122
- 62266 LOMBARDO, H. A. Analysis of an agricultural economy within the Central Plateau Region of Costa Rica. Diss. Abs. 26(3):1390. Sept.1965. 241.8 M58
- 62267 MATHUR, A. On "throwing the baby away with the bath-water"; an essay in the defence of Keynesism in relation to the underdeveloped countries. Indian Econ. J. 12(4):397-416. Apr./June 1965. 280.8 In292
Includes agriculture.
- 62268 MATSKEVICH, V. Economic problems of the further development of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 94:3-14. Sept.9,1965. (JPRS 31,921; TT 65-32415; CSO-1840-S) 173 J663Tso
Policies.
Translation from Voprosy Ekonomiki 6:3-13. June 1965.
- 62269 MCINTYRE, A. Aspects of development and trade in the Commonwealth Caribbean. Econ. Bull. Latin Amer. 10(2):127-162. Oct.1965. 280.8 Ec799
Includes agriculture.
- 62270 MCNAMARA, F. T. Basic data on the economy of Tanzania. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-66-4,17 p.,map. Feb. 1966. 157.54 Ov2
Agriculture included.
- 62271 MEDICI, G. Development boards and reclamation societies in programming. (It) Riv. Econ. Agr. 21(1):3-7. 1966. 281.8 R52
- 62272 MEDICI, G. The money myth and the new agriculture. (It) G. Agr. 76(17):187. Apr.24, 1966. 16 ItIG
Industry-agriculture relationship.
- 62273 METGE, P. Growth, development and settlement of territory. (Fr) Mediterranée 8:293-303. Oct./Dec.1965. 281.8 M462
Senegal.
- 62274 MOKEYEV, P. Proper use of authority in administration of industrial enterprises. U. S. Joint Publ. Res. Serv. [Transl] USSR Indus. Develop. Soviet Tractors Agr. Mach. 188:6-11. Apr.15,1965. (JPRS 29,613; TT 65-30748) 173 J663Tsi
Agriculture and economic growth.
Translation from Ekonomicheskaya Gazeta 2:10. Jan.13,1965.
Issued by CFSTI.
- 62275 MONNET, G. Presentation of a topic; evolution in agricultural organization and management in rural areas. (Fr) Rev. Franc. Agr. 12:3-11, map. Spring 1966. 281.8 R328
Policies for economic development of rural areas.
- 62276 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Techno-economic survey of Mysore. New Delhi, 1965. 384 p.,map. HC437.M8N3
Contains chapters on agriculture and forestry.
- 62277 NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Techno-economic survey of Pondicherry. New Delhi, 1965. 147 p.,map. HC437.P6N3
Agriculture included.
- 62278 NECULA, G. Efficient exploitation of agricultural reserves in Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:19-29. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Policies for economic growth.
Translation from Lupta de Clasa 46(1):28-36. Jan.1966.
Issued by CFSTI.
- 62279 NEETZ, R. E. Yugoslavia moves ahead with economic reform measures. Foreign Agr. Incl. Foreign Crops Markets 4(17):7-8. Apr.25,1966. A281.9 F76Fo
- 62280 NGO VAN TINH. Consolidation of land reclamation bases in the mountain and middle regions. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:17-28. Mar.3,1966. (JPRS 34,389; TT 66-30829) 173 J663Trn
Economic policy.
Translation from Nghien Cuu Kinh Te 30:33-38. Dec.1965.
Issued by CFSTI.
- 62281 OLSON, R. E. Some economic aspects of agricultural development in Nebraska, 1854-1920. Diss. Abs. 26(9):5112-5113. Mar.1966. 241.8 M58
- 62282 PATUELLI, V. Evolute economy and problems of Sicilian agriculture. (It) Tec. Agr. 17(1):5-17. 1965. 16 T22
Includes policy.
- 62283 PEVENAGE, G. New trends and methods in agricultural economic research in Belgium. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 12(1):21-22. 1965. 275.249 F26
- 62284 PLAUNT, D. H. Methodology for evaluating economic theories. Diss. Abs. 26(8):4296-4297. Feb.1966. 241.8 M58
- 62285 PORTER, C. W. An agri-business summary for Pennsylvania. Penn. State Univ. Ext. Farm Econ., Mar.1966, 4 p. 275.28 P38
- 62286 RELAZIONE generale sulla situazione economica del Paese [General report on the economic situation of the Country]. Mondo Econ. 21(13, spec.sup.), 50 p. Apr.2,1966. 280.8 M742
Agriculture included.
- 62287 RIJKE, L. DE. De Nederlandse landbouw in 1964 [Netherlands agriculture in 1964]. Neth. Dir. Landbouw. Landbouwvoorlichting 22(extra no.):535-665. Nov.1965. 12 N383M
Economic.
- 62288 ROEST, P. J. G. On the borders of Rhine and Gouwe. (Du) CMC (Coop. Melkcent.) 21(6):98-100, map. June 19,1965. 44.8 C11
Economy.
- 62289 ROPKE, W. The position of agriculture in the modern industrial society. (Ge) Hohenheim. Landwirt. Hochsch. Reden Abhandl. 18:47-61. 1964. 105.8 H683R

- 62290 RUFF, S. O. Brazil's 1965 farm production reflects economic uptrend. The paradoxical agriculture of Brazil—temperate in the midst of the tropics—is responding strongly to the country's steady industrial and economic growth. Foreign Agr. Incl. Foreign Crops Markets 4(13):3-5. Mar.28,1966. A281.9 F76Fo
- 62291 SANDRI, I. Methodological features for periodic observations on the trend and state of agriculture. (It) Riv. Econ. Agr. 21(1):8-23. 1966. 281.8 R52
English summary.
- 62292 SANTMYER, C. Libya's agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS- Foreign-147,8 p.,map. Mar.1966. A281.9 Ag83
- 62293 SASSETTI, F. The eternal unredemed. (It) Riv. Polit. Agr. 13(1):25-31. Mar.1966. 281.8 R523
Economic conditions and policy in agriculture.
- 62294 SASTRY, M. V. R. A critical appraisal of methods of estimation of econometric models—with special reference to the agricultural sector of the Brookings-SSRC model of the United States. Diss. Abs. 26(9):5080. Mar.1966. 241.8 M58
- 62295 SCHICKELE, R. Functions of agricultural economics in the economic planning of developing countries. (Ge) Z. Ausländische Landwirt. 4 (3):181-192. Aug.1965. 281.8 Z32
English summary.
- 62296 SHARIFF, I. The development of Indian and American agriculture—a comparative study. Diss. Abs. 26(9):5089-5090. Mar.1966. 241.8 M58
Economic policy.
- 62297 SOCIETA ITALIANA DI ECONOMIA AGRARIA. 2° convegno di studi su: "Le strutture fondiari ed agrarie" [Second congress of the Italian Society of Agricultural Economics on: "Agricultural and Land Structures"]. Riv. Econ. Agr. 20(2/3),498 p. Ref. 1965. 281.8 R52
English summaries.
Held in Bologna, November 28-29, 1964.
Includes discussions.
- 62298 STINE, O. C. A case study of six central West Virginia counties of the interrelationships of factors leading to persistence of low incomes and unemployment in the area. N. C. State Univ. Agr. Policy Inst. Ser. 19:173-205, map. Nov.1965. 281.9 N8122
- 62299 SUNDARAM, T. R. Agricultural economics research in India. Indian J. Agr. Econ. 20(4): 108-127. Oct./Dec.1965. 281.8 In2
Contains a list of research projects.
- 62300 SWANSON, E. W. Entrepreneurship and innovation in chronically depressed areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:55-83. Nov.1965. 281.9 N8122
- 62301 TAUCHER, H. E. Die Eingliederung vertriebener Landwirte auf Vollbauernstellen in den Jahren 1960 und 1962 [The settlement of displaced farmers on full-time farms in the years 1960 and 1962]. Agrarsoz. Ges. Material-samml. 31,32 p. Nov.1964. 281.9 Ag862M
Results of a survey on land tenure, finance, and other economic as well as social factors.
- 62302 TEGELER, H. H. Jordan's agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS- Foreign-146,8 p.,map. Feb.1966. A281.9 Ag83
- 62303 THANH, B. Hai-Phong industries serve agriculture. U. S. D. A. Econ. Res. Serv. Transl. N. Vietnam's Econ. 219:6-8. Dec.29,1965. (JPRS 33,513; TT 65-34087) 173 J663Trn
Translation from Lao-dong 1596:2. Nov.4, 1965.
Issued by CFSTI.
- 62304 TORRES T, W. Economics of production in the region of El Bajio. (Sp) Agr. Tec. Mex. 2(5): 197-201. July 1965. 8 Ag839
Production functions.
- 62305 TRISOLDI, A. Urbanisics in today's rural world. II. (It) Genio Rurale 29(3):247-253. Mar.1966. 281.8 R522
Economic and social policy for farm areas in relation to industry and the urban area.
- 62306 VALLOT, J. Brief history of economic development; or, "Robinson Crusoe" revised and corrected. (Fr) Agr. Romande 5(2):3-16. Feb.1966. 17 Ag8
- 62307 VAN BILJON, F. J. The economic nature of the challenge to South African agriculture. Agrekon 5(1):4-8. Jan.1966. 281.8 Ag835
- 62308 VAN ROY, E. Economic frontiers: a study of economies in the hills of North Thailand. Diss. Abs. 26(8):4289-4290. Feb.1966. 241.8 M58
Agricultural.
- 62309 WALDROP, J. E. Agricultural efficiency and economic growth. La. Rural Econ. 27(3):9-11. Aug.1965. 281.8 L93
- 62310 WEBER, J. The maintenance and regeneration of the family farming in Europe by means of an equitable economic policy. (Fr) Confed. Europe. Agr. Publ. CEA 31:95-108. 1965. 28 C763
- 62311 WHISMAN, J. D. The administrative problem of allocating public resources among depressed rural areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:223-235. Nov.1965. 281.9 N8122
- 62312 ZELLER, A. Rearrangement of fundamental structures; French example and Mediterranean countries. (Fr) Mediterranea 7: 219-224. July/Sept.1965. 281.8 M462
Economic growth and social development.
- 62313 ZORRILLA, A. Agriculture and economic development. (Sp) Spain. Inst. Nac. Invest. Agron. Conf. 1964/65:107-116. 15 Sp18C

AGRICULTURAL FINANCE

- 62314 BALET, J. The need of having circulating capital available. (Fr) Agr. Romande (ser.B.)4 (9):64-65. Sept.1965. 17 Ag8
- 62315 BLACK, C. J. Capital deployment on farms in theory and practice. Farm Econ. [Oxford] 10 (12):475-484. 1965. 281.8 F223
- 62316 COQUART, M. Farmer and economic problems. (Fr) Paysans 10(58):21-27. Feb./Mar. 1966. 14 R323
Financial management in France.
- 62317 COTTRELL, C. M. Family business inventory and financial net worth record. Rutgers State Univ. Ext. Ext. Bull. 387,16 p. Jan.1966. 275.29 N46
- 62318 DUSZA, J. Fiscal policy and investments on private farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 323:9-23. Dec.8,1964. (JPRS. 27,734) 173 J663Ste
In Poland.
Translation from Wies Wspolczesna 9:23-36. Sept.1964.
Issued by CFSTI.
- 62319 ELLIS, A. B. Making use of farm accounts. Agr. Northern Ireland 40(10):296-299. Feb. 1966. 256.13 Ag82M
- 62320 FONDS DE DEVELOPPEMENT ECONOMIQUE ET SOCIAL. Rapport pour 1964-1965 (X rapport) [Report for 1964-1965 (X report)]. France. Min. Financ. Statist. Etudes Financ. 17(198,sup.):811-1006. June 1965. 260 F843
Includes agricultural investments.
- 62321 GRAVES, D. F. Financing confinement beef and dairy systems. Amer. Soc. Agr. Eng. Pap. 918,6 p. 1965. 290.9 Am32P
Farm financial management and credit.
- 62322 GRZYBOWSKI, G. The law on agricultural calamities and its practical applications. (Fr) Agr. Prat. 130(2):45-47. Feb.1966. 14 J82
Indemnities and insurance.

- 62323 GUILLORY, V. D., and HISSONG, C. S. Spending out of hand? You need a plan. La. State Univ. Ext. Publ. 1437, 9 p.-folder. Sept. 1965. 275.29 L93Ep
Family budgets.
- 62324 HEIBER, J. Analysis of the E.E.C. agricultural financing. (Ge) Molk.-Zeitung Welt Milch 19(36):1207-1208. Sept.10,1965. 44.8 M735
- 62325 KEIJSER, R. DE. Horticulture, investments and financing. (Fl) Raiffeisen Echo 6:77-84. June 1965. 284.28 R12
Greenhouse culture.
- 62326 MATEEV, A. Reducing the period of construction is the most important problem of the national economy. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:138-141. June 16, 1965. (JPRS 30,640) 173 J663Tso
Capital investment in farming.
Translation from Ekonomicheskaya Gazeta 6: 30-31. Feb.10,1965.
Issued by CFSTI.
- 62327 MIHAILOVIC, S. Amortization and capital maintenance in the economy. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 558:150-167. Ref. Mar.28,1966. (JPRS 34,763; TT 66-31202) 173 J663Tre
Includes agriculture.
Translation from Jugoslovenski Pregled 10: 373-378. Oct.1965.
Issued by CFSTI.
- 62328 MUMEY, G. A. Farm asset choice: theoretical considerations and some empirical findings. Diss. Abs. 26(8):4296. Feb.1966. 241.8 M58
- 62329 NAIR, S. K. Risk and capital expenditure (A case study of three villages in Kerala. Agr. Situation India 20(6):482-486. Sept.1965. 281.9 In23
- 62330 ORLANDO, G., SANDRI, I., and FILIPPINI, R. Contributo alla conoscenza dell'agricoltura dei paesi della Comunita Europea. Parte quarta, L'impiego die capitali tecnici [Contribution to the study of the agriculture of the countries of the European Community. Part four, the use of technical capital]. Roma, Cassa per Opere Straordinarie di Pubblico Interesse nell'Italia Meridionale, 1964. 194 p.,map. 281.17 C27
- 62331 PETITLAURENT. Application of the legislation on agricultural calamities. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51 (15):1001-1009. Nov.3/10,1965. 14 P215Bc
Includes discussion.
- 62332 POPPELEN, J. R. VAN. Farm financing. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfs-voorlichting Jaarnummer 1965:45-49. 12 N3833J
Dairy farms; includes types of credit.
- 62333 SEMONOV, V. A problem of a full self-supporting base for sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:1-4. Apr.19,1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Financial management.
Translation from Ekonomicheskaya Gazeta 11: 38. Mar.1966.
Issued by CFSTI.
- 62334 TOLANI, N. P. Social investment decisions: an operational model for choosing between a fertilizer plant and an irrigation project in under-developed countries. Diss. Abs. 26(9):5090. Mar.1966. 241.8 M58
- 62335 VREJBA, S. Economic effectiveness of investments in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:16-27. Dec.15,1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Rumania.
Translation from Probleme Agricole 8:8-13. Aug.1965.
Issued by CFSTI.
- 62336 VUKMANOVIC, S. Production, income distribution and workers' management in farming enterprises—Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:26-40. Dec.17,1964. (JPRS 27,897) 173 J663Ste
Translation from Socijalizam 10:1239-1254. Oct.1964.
Issued by CFSTI.
- 62337 WELLE, A. J. TER. Bookkeeping—credit—insurance. (Du) Loonbedrijf Land- Tuinbouw 18(4):311. Apr.1965. 283.8 L87
- 62338 WOZNIAK, W. The basic directions of agricultural investments during 1966-1970 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 324: 1-8. Dec.14,1965. (JPRS 27,836) 173 J663Ste
Translation from Nowe Rolnictwo 19:1-3. Oct.1964.
Issued by CFSTI.

Credit

- 62339 ANDERSON, E. A. Do you know what credit really costs? Kans. State Univ. Agr. Ext. L-188, 6 p.-folder. Dec.1965. 275.29 K13Le
- 62340 ANDERSON, R. T. Rotating credit associations in India. Econ. Develop. Cult. Change 14(3): 334-339. Apr.1966. 280.8 Ec7226
- 62341 BAXTER, N. D. Country banks and the Federal funds market. Fed. Reserve Bank Phila. Bus. Rev., Apr.1966:3-9. 284.8 F31P
- 62342 BEALE, C. I. A. Borrowing for farm development. Farm Policy 5(3):63-69. Dec.1965. 281.8 F2242
Policies in Australia.
- 62343 BEALE, C. I. A. Credit for agriculture. 2. Power Farming Australia New Zeal. Better Farming Dig. 75(3):9-10,85-86. Mar.1966. 58.8 P87
- 62344 BERKELEY BANK FOR COOPERATIVES. Report to stockholders, June 30, 1965. Berkeley, 1965. 9 p. 284.29 B45
- 62345 BOLLA, G. Agricultural credit in Africa. (It) Riv. Diritto Agr. 44(1/2,pt.1):44-58. Ref. Jan./June 1965. 16 R524
English summary.
- 62346 BRADLEY, H. O. Government already has \$80 million invested in New Zealand farms. New Zeal. J. Agr. 112(2):34-35,37,39,41. Feb.1966. 23 N48J
State Advances Corporation.
- 62347 BRAKE, J. R. Financing Michigan farms project '80: rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 46, 10 p. Mar.1966. 284.9 M58
Mortgage credit needs.
- 62348 CANADA, DEPT. OF AGRICULTURE. ECONOMICS BR. Credit unions and caisses populaires in Canada, 1964. Ottawa, 1965. 16 p. 284.29 C163
Text also in French, 16 p.
- 62349 CANADA, DEPT. OF FINANCE. Annual report, Farm Improvement Loans Act, 1964. Ottawa, 1965. 13 p. 284.29 C164
- 62350 CANADA, DEPT. OF FINANCE. 19th annual report of operations under the Farm Improvement Loans Act, 1963. Ottawa, 1964. 13 p. 284.29 C164
- 62351 CAPODAGLIO, G. Aspects of enterprise in general and enterprise cooperatives in particular. (Fr) Mediterranea 8:267-275. Oct./Dec.1965. 281.8 M462
English summary.
Credit cooperatives.
- 62352 CENTRAL BANK FOR COOPERATIVES. Annual report, June 30, 1965. Washington, D. C., 1965. 9 p. 284.29 C332
- 62353 CHIRKIN, I. N. Improving credit for mechanization of collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:24-26. Apr.1966. 30.69 Uc4

- 62354 COLLINGWOOD, A. R. Financing the purchase of farms and long-term capital improvements. Chartered Land Agents' Soc. J. 65(1):99-105. Mar.1966. 282.9 L22
- 62355 DOROSHENKO, YA. Bank and kolkhoz. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 93: 1-3. Aug.26,1965. (JPRS 31,737; TT 65-3232; CSO 1840-N) 173 J663Tso
Credit policies.
Translation from Sel'skaya Zhizn', Aug.6, 1965:2.
- 62356 FONTAINE, J. Le credit a l'agriculture et l'aide financiere de l'Etat [Agricultural credit and financial aid of the State]. Lyon. Ecole Nat. Vet. These 35,120 p. Ref. 1965. 41.2 L99
- 62357 JORDANOU, I. G. Agricultural credit in Cyprus. Mediterranea 6:125-129. Apr./June 1965. 281.8 M462
- 62358 LI, C. Loans and advance payments for the aid of agriculture in communist China. (Ch) China Mon. 7:25. July 1,1965. 280.8 T78
- 62359 MANITOBA FARM LOANS ASSOCIATION. Report of the board for period ending March 31st, 1965. Winnipeg, 1965. 284.29 M31
- 62360 MULLER, H. J. Outside capital on farms. (Ge) Raiffeisen-Rundschau 18(4):134-135. Apr. 1966. 284.28 R132
In relation to size.
- 62361 NUNEZ DEL POZO, J. A. Supervised credit. (Sp) Panagra 5(64):30-32. Feb.1966. 8 P196 Mexico.
- 62362 PATEL, J. Indian experience; a cooperative working bank. (Fr) Int. Arch. Sociol. Coop. 18: 151-159. July/Dec.1965. 280.28 Ar22
- 62363 PEREZ R, A. The slaughtering of heifers and cows suited for reproduction in Colombia and its possible remedies. (Sp) Banco Repub. Rev. 39(459):13-18. Jan.1966. 284.9 C713
Problems of credit and trade.
- 62364 POSKONOV, A. Gosbank leader discusses experiment in direct kolkhoz crediting. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117: 13-18. Mar.23,1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 2: 38. Jan.1966.
Issued by CFSTI.
- 62365 POSKONOV, A. Transition to direct system of kolkhoz crediting. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:8-12. Mar.23,1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Sel'skaya Zhizn', Jan.6, 1966:2.
Issued by CFSTI.
- 62366 SHEIRA, A. Z. Credit aspects of land reform in Africa. UN. Econ. Comm. Afr. Agr. Econ. Bull. Afr. 7:36-53. Sept.1965. 281.9 Un3823
- 62367 SPENCER, R. E. New credit regulations to boost commercial farm exports. Foreign Agr. Incl. Foreign Crops Markets 4(11):8-9. Mar.14,1966. A281.9 F76Fo
- 62368 U. S. FARMERS HOME ADMIN. Financial assistance to small towns and rural groups; water systems, waste disposal systems. U. S. D. A. PA-707,4 p. Mar.1966. 1 Ag84Pro
- 62369 WICHITA BANK FOR COOPERATIVES. Annual report, 1965. Wichita, 1965. 11 p. 284.29 W63
- Income
- 62370 BRAHMANAND, P. R. A Ricardian treatment of the modern circular-flow economy. Indian Econ. J. 13(1):55-87. Ref. July/Sept.1965. 280.8 In292
Includes differential land rents.
- 62371 EMEL'YANOV, A. M. Differentsial'naya renta v sotsialisticheskoy sel'skom khozyaistve [Differential rent in socialistic farming]. Aktual'nye Probl. Ekon. Sel'skogo Khoz. 4,99 p. 1965. 281.179 Ak7
- 62372 CHOJNACKA, H. Peasant farming income in 1961-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 410:1-22. Jan.11,1966. (JPRS 33,698; TT 66-30142) 173 J663Ste
Translation from Zagadnienia Ekonomiki Rolnej 5:17-38. 1965.
Issued by CFSTI.
- 62373 FITZPATRICK, J. M., and PARKER, C. V. Distribution of income in Canadian agriculture. Can. J. Agr. Econ. 13(2):47-64. 1965. 281.8 C16
- 62374 GASANOV, G. Increased material self-interest in Azerbaydzhani agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:62-65. June 16,1965. (JPRS 30,640) 173 J663Tso
Farmers income.
Translation from Ekonomicheskaya Gazeta 6: 8. Feb.1965.
Issued by CFSTI.
- 62375 HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. A szovetkezeti parasztsag jovedelmeinek szorodasa es reszvetele a mezogazdasagi munkaban [Distribution of income and participation of agricultural production cooperatives in agricultural work of the peasantry]. Budapest, 1965. 72 p. (Its Statisztikai idoszaki kozlemenyek, v.77, No.10) HD1940.H8A5
- 62376 SYULEMEZOV, S. A factor in the more even increase and distribution of population income. U. S. Joint. Publ. Res. Ser. Transl. Econ. Organ. Manage. East. Europe 567:1-17. May 5, 1966. (JPRS 35,350; TT 66-31786) 173 J663Tre
Includes agriculture in Bulgaria.
Translation from Planovo Stopanstvo i Statistika 3:3-17. Mar.1966.
Issued by CFSTI.
- Insurance
- 62377 BONJEAN, A. Communication sur les differentes formes d'assurance sociale des exploitants agricoles et des membres de la famille travaillant a la ferme et propositions concernant des mesures complementaires a prendre dans ce domaine [Communication on the different forms of social insurance of farm operators and family members working on the farm and proposals concerning supplementary measures to take in this field]. Confed. Europe. Agr. 14th Gen. Assembly (Ad 402), 13 p. 1962. 28 C764
- 62378 BONJEAN, A. Insurance and family farming. (Fr) Confed. Europe. Agr. Publ. CEA 31:201-210. 1965. 28 C763
- 62379 CATALDI, E. Accident insurance in agriculture in the single text of June 30, 1965, No. 1124. (It) Previdenza Soc. Agr. 16(5):364-372. Sept./Oct.1965. 281.8 P92
English summary, p.355.
The text of the decree is given in a 55-page supplement following p.468 in this issue.
- 62380 COCHETTI, A. Sick assistance for retired self-employed workers, farmers, and meta-yers. (It) Previdenza Soc. Agr. 16(5):373-374. Sept./Oct.1965. 281.8 P92
English summary, p.355.
Under social security.
- 62381 GATTA, C. Administrative and jurisdictional protection of right of the active and passive electorate in assemblies of mutual health insurance banks for self-employed workers. (It) Previdenza Soc. Agr. 16(5):375-381. Sept./Oct.1965. 281.8 P92
English summary, p.355.
- 62382 GATTA, C. The nominative lists of agricultural workers. (It) G. Agr. 76(9):99. Feb.27, 1966. 16 It1G
For unified contributions.
- 62383 ISAKOV, M. Cattle insurance. (Se) Vet. Glas. 19(9):737-739. 1965. 41.8 J93
- 62384 KOCH, K. A. Simple parliamentary procedure. La. U. Agr. Ext. Ext. P. 1376,12 p. Apr.1964. 275.29 L93Ep

- 62385 PEYER, E. Inquiry concerning frost insurance in viticulture. (Ge) Schweiz. Z. Obst- Weinbau 101(25):631-633. Dec.11,1965. 80 Sch9
- 62386 PIZETA, T., and PAVLOVIC, M. Crop and livestock insurance in Croatia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:15-20. Feb.26,1965. (JPRS 28,905) 173 J663Ste
Translation from Agronomski Glasnik 8/9: 671-673. Aug./Sept.1964.
Issued by CFSTI.
- 62387 PRAVDIN, D. I. Obschestvennye fondy potrebleniya v kolkhozakh [Social consumption fund on collective farm]. Moskva, Kolos, 1966. 135 p. HD1492.U4P7
Includes social security, insurance, pensions, etc.
- 62388 SAMMONS, R., and MYRICK, D. Montana's Commissioner of Insurance. Mont. State Coll. Ext. Folder 85,6 p.-folder. Dec.1965. 275.29 M76FoL
- 62389 SMITH, E. K. Effects of advancing technology and capital intensification in nonfarm industry in depressed rural areas. N. C. State Univ. Agr. Policy Inst. Ser. 19:113-136. Ref. Nov. 1965. 281.9 N8122
Illustrated by studies of the Area Redevelopment Program.
- 62390 SMITH, R. S. Insurance for the farm business. Cornell Univ. Ext. Cornell Ext. Bull. 1003,rev., 30 p. Apr.1966. 275.29 N48E
- 62391 VILLARREA G., R. Voice of agricultural insurance mutuals. (Sp) Panagra 5(65):42. Mar. 1966. 8 P196
Mexico.
- 62392 YLOUSES, G. L. DES. Old-age insurance for beekeepers. (Fr) Apiculteur 110(2):31-35. Feb.1966. 424.8 Ap3
- Taxation
- 62393 AHMED, M. M. A. An economic evaluation of farmland for tax assessment, Tulsa County, Oklahoma. Diss. Abs. 26(3):1384. Sept.1965. 241.8 M58
- 62394 BUHMANN, H. After the VOL, now the GDL! (Ge) Mitt. Deut. Landwirt.-Ges. 81(8):299-302. Feb.24,1966. 18 N39
Taxation of bookkeeping and non-bookkeeping farmers.
- 62395 CLAUSAGER, A. Farm taxation (property taxes). (Da) Sammenslutningen 18(10):373-377. Oct.1965. 11 Sa46
- 62396 CLAUSAGER, A. Levying of land taxes. (Da) Sammenslutningen 19(2):50-52. Feb.1966. 11 Sa46
- 62397 FIGGE, H. The deferment of the tax on development for land in agricultural use. (Ge) Recht Landwirt. 18(2):34-35. Feb.1966. 30.58 R24
- 62398 GARCIA DE BLANES, G. The truth on tax reform. (Sp) Inst. Agr. Catalan San Isidro. Rev. 114(5):98-102. May 1965. 15 Sa5
- 62399 GARCIA ISIDRO, M. Punish the better. (Sp) Agricultura [Madrid] 34(401):493-494. Sept. 1965. 15 Ag84
Taxation.
- 62400 GRAY, J. R., and GOLLEHON, R. G. County assessments of New Mexico agricultural property. N. Mex. Agr. Exp. Sta. Res. Rep. 113, 5 p.,map. Nov.1965. 100 N465R
- 62401 GRAY, J. R., and HENDERSON, D. C. Sources and uses of New Mexico's taxes and other revenues. N. Mex. Agr. Exp. Sta. Bull. 500,38 p. 1965. 100 N465
- 62402 HASSALL, P. The corporation tax and the close company. Agr. Merchant 45(8):78-79. Aug.1965. 10 Ag89
Great Britain.
- 62403 KANSAL, J. B. Taxation of agricultural land in Uttar Pradesh. Indian J. Agr. Econ. 20(4): 88-91. Oct./Dec.1965. 281.8 In2
- 62404 LE DREN, J. Revolution of stamp paper amongst the peasants of lower Brittany, in the spring 1675. (Fr) Paysans 10(56):73-76. Oct./Nov.1965. 14 R323
Taxation for agricultural products.
- 62405 LI, S. T. Agricultural tax work during the last ten years. 19 p. (JPRS 4162) Transl. 14813
Translation from Ts'ai-cheng 19:1-6. Oct.9, 1959.
Issued by CFSTI.
- 62406 PASSAMONTI, G. Income tax for swine farmers. (It) Suinicoltura 6(5):63-72. May 1965. 46.8 Su3
Italy.
- 62407 PHILIP, K. M. Duties and taxes on the rubber industry. Planters' Chron. 60(23):444-447. Dec.1,1965. 22 P693
India.
- 62408 ROLLAND, M. Appearance of the practical guide to agricultural taxation. (Fr) Rev. Prat. Legislation Agr. 19(226):35-38. Mar.1966. 281.8 R325
- 62409 SCHEU, H. Taxational testing of farm. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(4): 112-113. Apr.15,1966. 58.8 D81
- 62410 SCHMID, G. Demand for introduction of a beverage tax. (Ge) Schweiz. Z. Obst- Weinbau 101(25):633-635. Dec.11,1965. 80 Sch9
Alcoholic, chiefly.
- 62411 SHAH, M. Export and domestic taxation. Planting Com. 13(3):17,19-20,41-42. May 8, 1965. 22 P697
India.
- AGRICULTURAL LABOR AND WAGES
- 62412 AGEE, D. E. Career exploration record book—Unit B: exploring opportunities in farming or ranching. Wyo. Univ. Ext. [4-H Club. Circ.] C-10a,21 p. Oct.1965. 275.29 W99Fc
4-H Clubs.
- 62413 AGEE, D. E. Career exploration—Unit B: exploring opportunities in farming or ranching. Wyo. Univ. Ext. [4-H Club. Circ.] C-10,19 p. Ref. Nov.1965. 275.29 W99Fc
4-H Clubs.
- 62414 AIYER, S. K. Some problems of industry and labour in Kerala. Planting Com. 13(4):29,31, 33-35. May 8,1965. 22 P697
Chiefly agricultural labor.
- 62415 ANELASKAS, A. A., and BUZILOV, YU. T. Increasing material interest in labor of the livestock farmers. (Rus) Zhivotnovodstvo 2: 45-46. Feb.1966. 49 Z6
- 62416 ANEMA, P. Farming and labor. (Du) CMC (Coop. Melkcent.) 21(3):46. May 8,1965. 44.8 C11
Dairy farming.
- 62417 BAKONYI, E. Labor procedures and resources in the various forms of association. (Ge) Landarbeit 16(9):73-76. Sept.1965. 18 L2355
Labor requirements and savings in different kinds of cooperative farming.
- 62418 BARTOLELLI, M. The education of technicians for the scientific organization of labor. (It) Colt. G. Vinicolo Ital. 111(10):313-317. Oct.1965. 16 C72
- 62419 BECKERICH, A. The work certificate. (Fr) Agr. Prat. 130(2):30-39. Feb.1966. 14 J82
- 62420 BERGER, H. The gainfully employed in Bavaria in May 1965 by economic field and occupational position. (Ge) Bayern Zahlen 20 (3):78-80. Mar.1966. 265 B34
Includes the agricultural by employed.
- 62421 CHACKO, V. I. Productivity and welfare. Planters' Chron. 61(4):73-74. Feb.15,1966. 22 P693
Chiefly labor in the coffee industry in India.
- 62422 CLIFT, J. H. Maincrop potatoes; planting methods and labour requirements. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):133-136. Mar.1966. 10 G79J
Chiefly labor.

- 62423 CONFERENCE OF TRADE UNIONS OF AGRICULTURAL WORKERS OF THE EUROPEAN SOCIALIST COUNTRIES. [Reports and discussions]. Land Labour 6(4/6),99 p. Aug./Dec. 1965. 283.8 L224
Introduction by S. V. Yegurazdov; conclusions by G. Ghisio.
- 62424 CORSTIAENSEN, W. P. M. Secondary operations in the contract firm. (Du) Loonbedrijf Land- Tuinbouw 19(1):45,47. Jan.1966. 283.8 L87
- 62425 COSCIUG, V., and IONEL, A. The application of the additional remuneration in the field of vegetal production at the Agricultural Production Cooperative of Movileni-Iashi. (Rum) Probl. Agr. [Bucharest] 18(2):55-65. Feb. 1966. 21 R862
English summary, p.3 of contents.
- 62426 CRONEMEYER, C. S. Sources of farm labor in 1965. Employment Serv. Rev. 3(4):55-57. Apr.1966. 158.3 Em72
Recruiting and placement.
- 62427 DUTTA, C. L. The overlapping jurisdiction of the Central and State governments in labour legislation. Planting Com. 13(11):22-24. Sept.8,1965. 22 P697
India.
- 62428 FILLA, M. The start of organizing is planning. (Hu) Kerteszeti Szolozs. 14(24):4-5. Dec.1965. 80 K474
Labor work management.
- 62429 FULLER, E. I. An evaluation of alternative labor data for use in farm planning. Diss. Abs. 26(9):5084-5085. Mar.1966. 241.8 M58
- 62430 GEERLOF, A. J. The labor extension project. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:25,27,30-31. 12 N3833J
Work management for increased productivity.
- 62431 GESCHIERE, J., MOLEN, J. VAN DER. The pickup wagon. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):288-293. June 1965. 12 N383M
Labor aspects of loading and unloading.
- 62432 GHOSE, B. C. Present dispute for high increase of minimum wages in Dargeeling, Dooars and Terai. Planting Com. 13(11):30-32. Sept.8,1965. 22 P697
- 62433 HALMAN, Z. J. Arbeidsorganisatie-onderzoek op een aantal gemengde bedrijven van 10-18 ha in Noord-Brabant. Labour management research on mixed farms with an acreage from 10 to 18 hectares in the province of Noord-Brabant. Wageningen. Inst. Landbouwttech. Ration. Publ. 93,36 p. 1966. 58.9 W12
English summary.
- 62434 HAMMER, W. Farrowing bay with slatted floors for manure. (Ge) Landarbeit 17(4):25-28. Apr.1966. 18 L2355
Labor saving.
- 62435 HATEGAN, I., and others. Some problems concerning the methodology of the manpower analysis in the agricultural production co-operatives. (Rum) Probl. Agr. [Bucharest] 18(3):92-103. Mar.1966. 21 R862
C. Mateuca, I. Neagu, and D. Firu, joint authors.
- 62436 HEILAND, H., JANDL, A., and KASTNER, W. On the application of network techniques in agricultural operations research. (Ge) Agrarwirtschaft 15(3):89-101. Ref. Mar.1966. 281.8 Ag826
English summary.
Statistical method.
- 62437 HENLEY, D. Farm labor wants "city wages." Doane's Agr. Rep. 29(11):38-39. Apr.8,1966. 281.8 D652
- 62438 HERR, A. Wages and hours of labor in Bavarian agriculture 1964 and 1965. (Ge) Bayern Zahlen 20(3):90-93. Mar.1966. 265 B34
- 62439 HESSELBACH, J., and KREINER, E. The determination of time spans and field work days. (Ge) Schweiz. Landwirt. Monatsh. 44(2):65-78. Feb.1966. 17 Sch93
Labor requirements.
- 62440 HESSELBACH, J. Working procedures and labor requirements for milking in milking stalls with two milkers. (Ge) Landarbeit 16(9):78-79. Sept.1965. 18 L2355
Includes labor costs.
- 62441 HEUNKS, F. J. Factoren, die van invloed zijn op het in de landbouw gaan werken van boerenzoons; literatuurstudie [Factors influencing the entry of farmers' sons into agriculture]. Landbouw-Econ. Inst. Stud. 35,45 p. Ref. Feb.1966. 281.9 L23S
- 62442 HIRON, C. The Fresnay-sur-Sarthe labor bank. (Fr) Potasse 39(329):211-213. Nov. 1965. 57.8 P84
- 62443 HOOGERWERF, M. L., and SCHIPPERS, J. M. Arbeidsproductiviteit en opvolging op landbouw-bedrijven op Walcheren [Labor productivity and succession on farms of Walcheren]. Landouw-Econ. Inst. Verslagen 151,36 p. Feb.1966. 281.9 L23V
- 62444 HOVI, R. Work simplification—a key of productivity. (Fi) Puutarha 69(1):6-7. 1966. 80 P99
English summary, contents and summaries.
In horticulture.
- 62445 HSIAO, C. The farm labor system in communist China. (Ch) China Mon. 10:32-33. Oct.1, 1965. 280.8 T78
- 62446 INDIA. LABOUR BUR. The Indian labour year book 1964. Delhi, 1965. 385 p. 269.5 In28
Includes agricultural wages.
- 62447 JENSEN, E. V. Farm labor; an evaluation of trends in farm labor supply up to 1975. (Da) Tolvmandsbladet 37(10):492-494. Oct.1965. 11 T58
- 62448 KELLER, P. Method studies. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:119-122. 1965. 33.11 AL7
Farm labor time and motion study.
- 62449 KELLER, P. Work studies. (Da) Tolvmandsbladet 37(10):506-512. Oct.1965. 11 T58
In agriculture.
- 62450 KOLHOOP, K. C. Agricultural assistants employed on farms in the Netherlands. (Fr) Confed. Europe. Agr. Publ. CEA 31:211-220. 1965. 28 C763
Labor, chiefly from cooperative pools, used in emergencies.
- 62451 KRUTER, M. Economic stimulation as a lever for raising production. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:5-6. Apr.2,1965. (JPRS 29,393; TT: 65-30631) 173 J663Tsi
Farm labor.
Translation from Ekonomicheskaya Gazeta 8:11. Feb.24,1965.
Issued by CFSTI.
- 62452 LELY, J. V. D. The contract labor package on mixed farms. (Du) Loonbedrijf Land-Tuinbouw 19(1):19,21,23,25. Jan.1966. 283.8 L87
Includes costs.
- 62453 LELY, J. V. D. Costs of contract labor in sandy districts. (Du) Loonbedrijf Land-Tuinbouw 18(5):413-415. May 1965. 283.8 L87
Includes total production costs.
- 62454 LELY, J. V. D. The increase of labor costs. (Du) Loonbedrijf Land-Tuinbouw 18(7):555, 557. July 1965. 283.8 L87
- 62455 LEONOV, I. New system of wages for manager of state farms labor force. (Rus) Sel'skoe Khoz. Tadzh. 10:53-55. Oct.1965. 20 Se494
- 62456 LINKUN, N. I., KIM, S. P., and POLINA, V. I. Oplata truda v sovkhovakh v zavisimosti ot rezul'tatov proizvodstva [Wages on state farms depending on results in production]. Moskva, Kolos, 1965. 151 p. HD4966.A29U4

- 62457 LIU, Y. C. The educational front should consider support of agriculture as the most glorious task. 11 p. (JPRS 4307) Transl. 14812 Youth as farming labor. Translation from Kuang-ming Jih-pao Oct. 9, 1960:2. Issued by CFSTI.
- 62458 LOUWES, A. J. What is the position of the farmer on contract work, viewed from the point of view of the farm economy? (Du) Loonbedrijf Land- Tuinbouw 18(6):471,473, 475,477,479. June 1965. 283.8 L87
- 62459 MAUGERI, A. The role of the woman on our farms. (It) Agr. Milan. 14(9):307-308. Sept. 1965. 16 C153
- 62460 MISHRA, G. Agricultural labour in Bihar. Agr. Situation India 20(7):577-584. Oct. 1965. 281.9 In23
- 62461 MITCHELL, F. M. Farm labor—improving interstate recruitment. Employment Serv. Rev. 3(4):58-59. Apr. 1966. 158.3 Em72 Michigan.
- 62462 MOEDT, K. The financing of the agricultural contract labor firm. (Du) Loonbedrijf Land- Tuinbouw 18(9):701,703. Sept. 1965. 283.8 L87
- 62463 MUDALIAR, K. R. The Association of Planters of the State of Madras. Planters' Chron. 60(16):290-294. Aug. 15, 1965. 22 P693 Chiefly labor.
- 62464 NALSON, J. S. The farm labour force in Western Australia. Farm Policy 5(3):70-73. Dec. 1965. 281.8 F2242
- 62465 NATIONAL ADVISORY COMMITTEE OF FARM LABOR. Poverty on the land in a land of plenty. A report on the public hearings, Washington, D. C., May 18-19, 1964. New York, 1965. HD1525.N3
- 62466 NAYAR, G. K. Productivity in Indian industry. Planting Com. 13(12):10-12. Sept. 23, 1965. 22 P697 Labor.
- 62467 NAZAREVSKIY, L. I. Bonuses to agricultural workers for plan fulfillment and over-fulfillment. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 61:7-12. Jan. 19, 1965. (JPRS 28,354) 173 J663Tso Translation from Uchet i Finansy v Kokhozakh i Sovkhozakh 10:56-58. Oct. 1964. Issued by CFSTI.
- 62468 NIEUWENHUIJSE, L. Good experiences with the course "management for the contract firm." (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(10/11):482-483. Oct./Nov. 1965. 12 N383M
- 62469 OYGARD, G. A review of recent studies of liquid manure handling and the use of slatted floors; dairy systems in northwestern Europe, 1960-1965. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 197,21 p. Ref. Apr. 1966. 281.9 C81A Review of research on labor and costs.
- 62470 PRAX, A. Weekly time off in agriculture. (Fr) Rev. Prat. Legislation Agr. 18(217):73-74. June 1965. 281.8 R325
- 62471 PRONK, G. M. A future one-man grassland farm, with and without contract labor. (Du) Loonbedrijf Land- Tuinbouw 18(6):495,497, 499,501,503. June 1965. 283.8 L87
- 62472 RAO, V. S. Labour productivity in the tea plantations. Planting Com. 13(4):65-69. May 8, 1965. 22 P697 India.
- 62473 RITAGLIATI, A. The C.V.M.A. [Agricultural Equipment Using Cooperatives of the National Association of Beet Producers [Cooperative Utenti Macchine Agricole, Associazione Nazionale Bieticoltori]] in action in beet culture. (It) G. Agr. 76(10):109. Mar. 6, 1966. 16 It1G Mechanization in saving labor costs.
- 62474 ROMANY, P. Farm population—agricultural production. (Hu) Magyar Mezogazdasag 21(11): 10-11. Mar. 16, 1966. 19 M27 Chiefly comparative farm labor statistics.
- 62475 SLAWINSKI, Z. Structural changes in employment within the context of Latin America's economic development. Econ. Bull. Latin Amer. 10(2):163-187. Oct. 1965. 280.8 Ec799 Agricultural employment included.
- 62476 SZILAGYI, J. Some problems of labor situation. (Hu) Magyar Mezogazdasag 21(10):6. Mar. 9, 1966. 19 M27 In state and collective farms.
- 62477 TRAN DUC. The division of labor in agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 1:93-117. Feb. 25, 1965. (JPRS: 28,893) 173 J663Th Translation from Hoc Tap 1:57-65. Jan. 1965. Issued by CFSTI.
- 62478 UPPAL, J. S. Disguised agricultural unemployment in an underdeveloped economy—its nature and measurement. Diss. Abs. 26(9): 5090-5091. Mar. 1966. 241.8 M58
- 62479 U. S. DEPT. OF LABOR. Year of transition; seasonal farm labor, 1965; a report from the Secretary of Labor. Washington, 1966? various paging. HD1525.A5U5
- 62480 U. S. PRESIDENT (L. B. JOHNSON). Manpower report of the President and a report on manpower requirements, resources, utilization, and training, by the United States Department of Labor, transmitted to the Congress March 1966. Washington, 1966. 229 p., map. 149 M31 Includes a section on farm workers.
- 62481 VADASZ, L. A munkatermekenyseg novelese a teheneszetben [Increasing labor productivity in dairying]. Budapest, Mezogazdasagi Kiado, 1965. 150 p., map. Ref., p. 145-148. HD9275.A2V3 Review of literature.
- 62482 VEEN, S. VAN. Changes in labour requirement in flowerbulb holdings. (Du) Neth. Dir. Tuinbouw. Mededel. 28(9): 449-456. Sept. 1965. 83 N384 English summary, p. 474.
- 62483 VIRGINIA POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Labor management on the farm. Va. Polytech. Inst. Ext. Leaflet 214,8 p.-folder. Dec. 1965. 275.29 V81L
- 62484 YEMEL'YANOV, A., and KHOZYAISTVO, P. Incentives and initiative in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117: 24-33. Mar. 23, 1966. (JPRS 34,683) TT 66-31122) 173 J663Tso Translation from Planovoe Khozyaistvo 1:74-79. Jan. 1965.
- 62485 ZAGORODNII, M. S., GROGORENKO, N. N., and SUK, L. K. Problem in calculation of work performed on fields. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:14-17. Apr. 1966. 30.69 Uc4
- 62486 ZEZZOS, R. Life of shepherds yesterday and today. (It) Mondo Latte 20(2):123-126. Feb. 1966. 44.8 M74
- 62487 ZHULIN, V. Detachments contract to till land. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 97:1-7. Oct. 5, 1965. (JPRS 32,241; TT 65-32-731; CSO 1840-S) 173 J663Tso Translation from Komsomol'skaya Pravda Aug. 7, 1965:1-2.
- 62488 ZHURIKOV, V., and others. Labour payment of collective farmers should depend on the results of production. (Rus) Ekon. Sel'skogo Khoz. 3: 75-86. Mar. 1966. 281.8 So73 V. Mikhailov, V. Kostilev, and Y. Proskurin, joint authors.

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 62489 ABIBON, L. Agricultural prospects in the mountain provinces. (Fr) Potasse 39(329): 195-198. Nov.1965. 57.8 P84 Haute-Loire.
- 62490 ABRAHAMS, E. Agriculture in Ghana. Ghana Farmer 8(4):119-120,137. Nov.1964. 24 G564
- 62491 AGGRADI, M. F. Vitality and requirements of the agricultural world. (It) Prog. Agr. [Bologna] 11(6):605-608. June 1965. 58.8 P94 The Green Plan.
- 62492 ARNANZ, R. Agriculture and the development plan. (Sp) Agricultura [Madrid] 34(397):256-259. May 1965. 15 Ag84
- 62493 ARNOTT, D. Farming cameo: series 3. 38. Fishguard, Pembrokeshire. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):138-139. Mar. 1966. 10 G79J
- 62494 BABEK, Z. The lack of a clear concept for the long-range development of Czechoslovak agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 391:1-8. Sept.16,1965. (JPRS 32,021; TT 65-32515) 173 J663Ste
Translation from Ekonomika Zemedelstvi 6: 163-166. June 5,1965.
Issued by CFSTI.
- 62495 BALANENKO, P. Sound foundation of agricultural development. (Rus) Ekon. Sel'skogo Khoz. 3:27-33. Mar.1966. 281.8 So73 Policies.
- 62496 BALSOTTI, L. "Green Plan" and "mountain law" for mountain territories of the region. (It) Nuova Econ. (n.s.)78(2):6-7. Feb.1966. 287 P43
- 62497 BANDINI, M. Agrarian policy: science and practical action. (It) Riv. Polit. Agr. 13(1): 7-14. Mar.1966. 281.8 R523
- 62498 BANDINI, M. Agricultural and land structures. (It) Riv. Econ. Agr. 20(2/3):465-496. 1965. 281.8 R52
English summary.
European and American countries.
Includes discussion.
- 62499 BARHEINE, Rhine agriculture undergoing change. (Ge) Ubersicht 17(4):332,334-335. Apr.9,1966. 18 Ub3
- 62500 BARRETO, R. Supplying and exportation. (Por) Brazil. Conselho Nac. Econ. Rev. 14(1): 8-25. Jan./Apr.1965. 280.9 B735R
Agricultural policy.
Includes discussion.
- 62501 BEESTON, N. Agriculture adjusts to change. I. Agr. Merchant 46(3):53,57,60-61. Mar. 1966. 10 Ag89
Great Britain.
- 62502 BIROWO, A. T. Interregional competition in agricultural production in Sweden; a methodological study with an interregional linear programming model. Uppsala. Lantbrukshogsk. Ann. 31(4):307-404,map. Ref. 1965. 104 Up6
- 62503 BLANCKENBURG, P. VON, and BONTE-FRIEDHEIM, C. Aid for Africa's agriculture. (Ge) Z. Auslandsche Landwirt. 4(3):193-217. Aug.1965. 281.8 Z32
English summary.
Policy and German technical assistance.
- 62504 BORRIES, R. VON. Development help in African practice. (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):469-471. Mar.17,1966. 18 N39
- 62505 BUBLOT, G., and DEFORT, M. Modern techniques and agricultural structures. (Fr) Agricultura [Louvain] (ser.2)14(1):67-82. Mar. 1966. 13 R32
- 62506 CAMPBELL, D. A. Team work in agriculture in the United States has lessons for New Zealand. New Zeal. J. Agr. 112(3):18-19. Mar. 1966. 23 N48J
Team effort of scientists, extension officers, and keen farmers.
- 62507 CAMPBELL, D. I. Outlook for Australian agriculture. Can. Dep. Agr. Econ. Br. Agr. Abroad 21(1):32-33. Feb.1966. 281.9 C1642A
Includes statistics.
- 62508 CANADA. DEPT. OF AGRICULTURE. List of publications 1965. Ottawa, 1965. 13 p. 242.2 C163
- 62509 CANADA. PRAIRIE FARM REHABILITATION ADMIN. Annual report on Prairie Farm Rehabilitation and related activities 1963-1964. n.p., 1964. 20 p. 281.13 C164
- 62510 CARLIN, J. Trends in Western Australian agriculture. Farm Policy 5(3):86-97. Dec.1965. 281.8 F2242
- 62511 CARROZZA, A. The teaching of agricultural law in the frame of a "department" given over to the social sciences of agriculture. (It) Riv. Diritto Agr. 44(1/2,pt.1):164-171. Jan./June 1965. 16 R524
- 62512 CASADIO, G. The role of agriculture in the European Economic Community. (It) Roma Econ. 18(11):575-582. (Concl.) Ref. Nov.1965. 280.8 R66
- 62513 CEDILLO U., V. Agricultural diversification and planning. (Sp) Panagra 5(62):42-43. Dec. 1965. 8 P196
Mexico.
- 62514 CHUNG, C. Economic theory work to face countryside. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10: 126-134. Dec.20,1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Chinese agricultural policy.
Translation from Ching Chi Yen Chiu 10:70-73. Oct.20,1965.
Issued by CFSTI.
- 62515 CLAYTON, E. Planning the development of peasant agriculture. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:148-158. 1965. 286.9 In86
Labor and agricultural productivity.
- 62516 DAHOMEY. SERV. DU DEVELOPPEMENT RURAL. Rapport annuel [Annual report of the Rural Development Service], 1964. n.p., 1965? 236 p.,map. 270 D132
Agricultural policy and statistics.
- 62517 DIFFIDENTI, G. A. The renaissance of the Italian mountain passes through Avigliano. (It) Genio Rurale 29(1):81-83. Jan.1966. 281.8 R522
- 62518 DRAPER, W. J. Agriculture in the Upper Burnett. Queensland Agr. J. 92(2):78-84,map. Feb.1966. 23 Q33
- 62519 EDNEY, L. E. Farming cameo: series 3. 37. North Oxfordshire. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):87-88. Feb.1966. 10 G79J
- 62520 EDONGO, N. The Transcameroun and rural development. (Fr) Cameroun Agr. Past. Forest. 85:33-34. Mar.1965. 24 C353
- 62521 ENCHILL, K. B. Need of a legal commission for Africa. (It) Riv. Diritto Agr. 44(1/2,pt.1): 59-68. Jan./June 1965. 16 R524
English summary.
- 62522 EYCK, W. VAN. The European Economic Community. II. Agriculture in the E.E.C. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):271-274. June 1965. 12 N383M
- 62523 FERNANDEZ, J. Contribution to the knowledge of the geography of the Alto Neuquen region. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 207: 5-44,map. Ref. Mar.1965. 9 Id3
Agriculture included.
- 62524 FOMBEURRE, J. Should the courts of equal numbers be suppressed? (Fr) Rev. Prat. Legislation Agr. 18(7/8):93-112. July/Aug. 1965. 281.8 R325
- 62525 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL FAO COMMITTEE OF FINLAND. Finland; article XI report for the years 1961-63 to the Food and Agriculture Organization of the United Nations. Helsinki, 1964. 36 p. 389.9 F738
Agriculture and forestry in Finland.

- 62526 FORTEGNESE over nordisk jordbrukslitteratur. List of Scandinavian agricultural literature, 1964. Nord. Jordbruksforsk. Suppl. 11, 134 p. 1966. 11 N752
- 62527 FRASSOLDATI, C. Trends and prospects of the new agrarian law and function of the agrarian contract. (It) Riv. Diritto Agr. 44(1/2,pt.1):8-43. Jan./June 1965. 16 R524
English summary.
- 62528 FREEMAN, O. L. U.S. agricultural team sees hope for Vietnam's farmers. Foreign Agr. Incl. Foreign Crops Markets 4(15):3-5. Apr.11,1966. A281.9 F76Fo
- 62529 FREISBERG, E. Die grüne Hürde Europas; deutsche Agrarpolitik und EWG [The green hurdles of Europe; German agricultural policy and E.E.C.]. Köln, Westdeutscher Verlag, 1965. 214 p. (Europäische Gegenwart; Schriften zur Europapolitik, v.4) HD1918.F7
- 62530 GALONENKO, G. S., GRITSKOV, M. K., and POPOVA, I. K. Osnovnye printsipy planirovaniya sel'skogo khozyaistva [Basic principles in agricultural planning]. Aktual'nye Probl. Ekon. Sel'skogo Khoz. 2,131 p. 1965. 281.179 Ak7
Policies and farm management.
- 62531 GERMANY (FEDERAL REPUBLIC). BUNDESKANZLER. Bericht der Bundesregierung über die Lage der Landwirtschaft gemäss §4 des Landwirtschaftsgesetzes (Grüner Bericht 1966); Massnahmen der Bundesregierung gemäss §5 des Landwirtschaftsgesetzes (Grüner Plan 1966) [Report of the Federal Government on the situation of agriculture in accordance with §4 of the Agricultural Law (Green Report 1966); measures of the Federal Government in accordance with §5 of the Agricultural Law (Green Plan 1966)]. Bonn, 1966. 294 p. 18 G316
- 62532 GILES, A. Agricultural micro-planning in a region of Peru. (It) Riv. Agr. Subtrop. Trop. 59(1/3):42-54. Jan./Mar.1965. 26 Ag82
English summary, p.2 of supplement.
- 62533 GIORGI, E. Technical assistance and the development of agriculture. (It) Genio Rurale 29(1):33-41. Jan.1966. 281.8 R522
Extension work and technical assistance in development areas.
- 62534 GRIFFITHS, P. H. Past, present and future. Agr. Merchant 45(7):27,29,31-32. July 1965. 10 Ag89
Outlook on agriculture in Great Britain; includes trade.
- 62535 GROTZBACH, E. Cultural-geographic observations in the Farkhar-Valley (Afghan Hindu-Kush). (Ge) Erde 96(4):279-300, map. Ref. 1965. 474 Er1
English summary.
Includes agriculture.
- 62536 GUAM, GOVERNOR. Annual report, 1965. Washington, 1966. 195 p. 153.1 G93
Includes work of the Department of Agriculture.
- 62537 GUCWA, S. Reconstruction of Polish agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 407: 12-27. Jan.3,1966. (JPRS 33,558; TT 66-30003) 173 J663Ste
Translation from Wies Wspolczesna 10:28-40. Oct.1965.
Issued by CFSTI.
- 62538 GUEVARA CALDERON, J. Present and future of the American Tropics. (Sp) Panagra 5(62): 18-22. Dec.1965. 8 P196
Agriculture.
- 62539 GUTIERREZ JIMENEZ, M., and GUEVARA CALDERON, J. Agricultural organization in the Latin American and Caribbean countries. (Sp) Panagra 2(29):48-50. Jan.1,1964. 8 P196
Policy.
- 62540 GVATI, H. Israel agriculture in the coming decade. Israel Year Book 1966:177,178,180-184. 280.8 Is73
- 62541 HADIWIDJAJA, T. Aspects of the development of native agriculture in Indonesia. (Fr) Soc. Etudes Expansion. Rev. 219:31-40. Jan./Feb. 1966. 280.8 So17
- 62542 HAEGGBLOM, S., ISAKSSON, N. I., and LINDEN, H. Lantbrukets anpassning [Agricultural adjustment]. Uppsala. Lantbrukshögsk. Aktuell Lantbrukshögsk. 83,30 p., map. Ref. 1966. 11 Up62A
- 62543 HALEY, L. The challenging decade ahead. Planters' Chron. 60(24):476-477. Dec.15,1965. 22 P693
Outlook on agriculture in the United States.
- 62544 HARPANTIDES, J. Agriculture and fertilizer usage in Greece. Int. Superphosphate Manufacturers Ass. Agr. Comm. Bull. Doc. 43:19-28. Feb.1966. 241 In832
Text also in French.
- 62545 HELLEINER, G. K. Peasant agriculture; development, and export instability: the Nigerian case. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:44-64. 1965. 286.9 In86
- 62546 HOHENHEIMER Hochschule [Hohenheim University Conference] 1964. Hohenheim. Landwirt. Hochsch. Reden Abhandl. 18,64 p. 1964. 105.8 H683R
- 62547 HONG KONG. Report for the year 1965. Hong Kong, 1966. 347 p., map. 280.184 H75
Contains chapters on agriculture and land.
- 62548 IBANEZ, J. E. Agriculture in Spain in 1964. (Fr) Mediterranea 28(6):213-219. June 1965. 281.8 M462
- 62549 IDENBURG, R. Plan and reality. (Du) Koninklijke Ned. Heidemaatsch. Tijdschr. 76(11): 541-551, map. Nov.1965. 12 N282
Agricultural and land-use planning on new polders.
- 62550 ILLJIN, M. Method in carrying out agricultural policy in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 433:15-26. Apr.19,1966. (JPRS 35,098; TT 66-31535) 173 J663Ste
Translation from Socijalizam 2:167-178. Feb.1966.
Issued by CFSTI.
- 62551 THE ISRAEL yearbook, 1966. Tel Aviv, 1966. 323 p. 280.8 Is73
Agriculture included.
- 62552 THE IVORY Coast market. (Fr) Marches Trop. Mediter. 22(1068):1185-1314, map. Apr.30,1966. 286.8 M33
Includes chapters on agriculture and forestry.
- 62553 JAGIELSKI, M. Agricultural problems and tasks [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 328:7-22. Jan.4,1965. (JPRS 28,093) 173 J663Ste
Productive capacity and policies.
Translation from Nowe Drogi 12:38-51. Dec.1964.
Issued by CFSTI.
- 62554 JANJETOVIC, M. Production and productivity in the socialized sector in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 558:136-149. Ref. Mar.28,1966. (JPRS 34,763; TT 66-31202) 173 J663Tre
Includes agriculture.
Translation from Socijalizam 12:1549-1562, n.m., 1965.
Issued by CFSTI.
- 62555 JOCHNOWITZ, R. S. The Federal Area Redevelopment Administration. Diss. Abs. 26(3): 1756-1757. Sept.1965. 241.8 M58
- 62556 KEBIN, I. Agricultural problems in Estonia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:19-29. May 20,1965. (JPRS 30,184; CSO-1840-D) 173 J663Tso
Outlook.
Translation from Ekonomicheskaya Gazeta 12:3-4. Mar.24,1965.

- 62557 KERNBERGER, L. H. A shadow of itself? Strength and weakness of the Federal Ministry of Agriculture [Bundeslandwirtschaftsministerium]. (Ge) *Ubersicht* 17(4):297-298,300,302, 304. Apr.9,1966. 18 Ub3
Policy.
- 62558 KHAN, A. R. The framework for planning in Pakistan with special reference to the Third Five-Year Plan (1965-70). *Oxford Econ. Pap.* (n.s.)18(1):111-125. Mar.1966. 280.8 Ox2
Includes agriculture.
- 62559 KHOL'TS, E. Effect of economic control system on the farms in German Democratic Republic. (Rus) *Ekon. Sel'skogo Khoz.* 3:113-117. Mar.1966. 281.8 So73
- 62560 KONEV, V. Agriculture in the Amurskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 243:1-4. Nov.29,1965. (JPRS 33,071; TT 65-33648; CSO 1840-N) 173 J663 Tsi
Situation and policies.
Translation from *Ekonomicheskaya Gazeta* 41:28. Oct.13,1965.
- 62561 KOREA. MINISTRY OF AGRICULTURE AND FORESTRY. Agriculture in Korea, 1965. Seoul, 1965. 192 p.,map. 269.7 K8443
- 62562 KOULOPOULOS, D. Hellenic agriculture. (Fr) *Méditerranée* 7:170-178. July/Sept.1965. 281.8 M462
Outlook and policies.
- 62563 LAM QUANG HUYEN. On the development of agricultural commodities in the North. U. S. Joint Publ. Res. Serv. Transl. *Hoc Tap (Stud.)* N. Vietnam 8:43-45. Sept.17,1965. (JPRS: 32,060; TT: 65-32553) 173 J663Th
Agricultural policies in North Vietnam.
Translation from *Hoc Tap* 8:45-50. Aug.1965.
Issued by CFSTI.
- 62564 LARSON, N. G. Negroes in agriculture; preliminary list No. 2. Washington, U. S. Nat. Agr. Lib., 1965. 9 p. VF Bibliogr.
Typewritten.
- 62565 LEE, Y. L. Agriculture in Sarawak. *J. Trop. Geogr.* 21:21-29,map. Ref. Dec.1965. 331.8 M29
Production and outlook.
- 62566 LE QUANG TUAN. Success of 1964 agricultural production expands hopes for 1965. U. S. Joint Publ. Res. Serv. Transl. *N. Vietnam's Econ.* 182:120-126. July 2,1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from *Nghien-cuu Kinh-te* 25:71-73. Feb.1965.
Issued by CFSTI.
- 62567 LI, K. T. The approach to further development of Taiwan's agriculture. *Indus. Free China* 25(2):2-9. Feb.25,1966. 297.8 T99
- 62568 LIGUORI, A. Agriculture in the Marches and its prospects in the E.E.C. (It) *G. Agr.* 76 (17):192. Apr.24,1966. 16 It1G
- 62569 LIN, H. Communist China's agriculture in 1964. (Ch) *China Mon.* 4:24-29,57. Apr.1, 1965. 280.8 T78
- 62570 LITTLE, C. H. Recent area development concepts with application to Oklahoma. *Okla. Curr. Farm Econ.* 39(1):3-9,map. Mar.1966. 100 Ok4
Public Works and Economic Development Act of 1965.
- 62571 MANYAKIN, V. The lag in the development of agriculture must be overcome. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 75:1-17. June 16,1965. (JPRS 30,640) 173 J663Tso
Productive capacity.
Translation from *Ekonomika Sel'skogo Khozaystva* 2:1-12. Feb.1965.
Issued by CFSTI.
- 62572 MARZI, G. DE. Developments and balance of the past year. (It) *Prog. Agr. [Bologna]* 12(1): 23-38. Jan.1966. 58.8 P94
- 62573 MATCHANOV, N. Measures to improve agriculture in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 71:3-7. May 20,1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Policies.
Translation from *Sel'skaya Zhizn*, April 14, 1965:2.
- 62574 MATSKEVICH, V. V. Changes in Soviet agricultural administration. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 72:34-37. May 28, 1965. (JPRS 30,307) 173 J663Tso
Policies.
Translation from *Sovetskaya Latvija*, Apr.4, 1965:1.
Issued by CFSTI.
- 62575 MCCULLOUGH, W. B. Agriculture pays New Zealand's way. *Foreign Trade* 125(6):13-15. Mar.19,1966. 286.8 C162
- 62576 MEI, A. Introductory note on agricultural micro-planning applied in a region of Peru. (It) *Riv. Agr. Subtrop. Trop.* 59(1/3):39-41. Jan./Mar.1965. 26 Ag82
English summary, p.2 of supplement.
- 62577 METCALF, J. E. Hopeful change of course. *Far East. Econ. Rev.* 51(13):629-630,632-634. Mar.31,1966. 280.8 F223
Agriculture in Ceylon.
- 62578 MINNESOTA STATE GRANGE. Proceedings, ninety-third annual session, Milaca, Minnesota, October 19-22, 1965. n.p., 1965. 84 p. 4 M662
- 62579 MIRAGLIA, M. What is productivity? (It) *Agr. Milan.* 14(9):296-297. Sept.1965. 16 C153
Includes reference to agriculture and labor.
- 62580 MONYAKIN, V. Agriculture at the period between the XXII and XXIII Congresses of the CPSU [Communist Party of the Soviet Union]. (Rus) *Ekon. Sel'skogo Khoz.* 3:8-19. Mar. 1966. 281.8 So73
- 62581 MUDALIAR, K. R. Planting industry in Madras State. *Planting Com.* 13(9):10-12,14-16. Aug.8,1965. 22 P697
Five-Year Plan.
- 62582 MUNCH, S. The development of the agriculture of Cuba. I. (Ge) *Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropen-veterinarmed.* 3(1):73-94,map. Ref. 1965. 26 L53
English summary.
- 62583 NARAYANAN, C. Agriculture under democracy and dictatorship. *Planting Com.* 13(4):21-24. May 8,1965. 22 P697
United States and USSR.
- 62584 NATIONAL Agricultural Library Catalog 1(1), 29 p. Jan.1966. A75076.N3
- 62585 THE NATIONAL information problem—a problem of abundance. *SDC (Syst. Develop. Corp.) Mag.* 9(2):1-15. Feb.1966. 326.8 Sy8
Proposed system includes the National Agricultural Library.
- 62586 NGUYEN. Report of North Vietnam Council of Ministers on 1964 state plan. 38 p. (JPRS 24,396) Transl. 14214
Five-Year Plan, including agricultural policies.
Translation from *Nhan Dan* Apr.1964:1-3.
CFSTI: \$1.00.
- 62587 NGUYEN, D. Agricultural development in the mountain region. U. S. Joint Publ. Res. Serv. Transl. *N. Vietnam's Econ.* 216:9-15. Dec.21, 1965. (JPRS 33,415; TT 65-33989) 173 J663Trn
Translation from *Thoi Su Pho Thong* 20:18-25. Oct.1965.
Issued by CFSTI.
- 62588 NIAGARA COUNTY (NEW YORK). AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Agricultural Conservation Program, Niagara County; handbook for 1965. Lockport, 1965. 20 p. 281.9 N51
Program year 1964/65.
Library has also volume for 1963/64.

- 62589 NIELSEN, E. R. Structure adjustment and farm laws. (Da) *Tolvmandsbladet* 37(10):489-491. Oct.1965. 11 T58
- 62590 NOILHAN. Agriculture and gastronomy. (Fr) Paris. Acad. Agr. France. Compt. Rend. Seances 51(18):1228-1238. Dec.8/15,1965. 14 P215Bc
Gastronomy as providing a key to agricultural development.
- 62591 OGG, W. E., and others. Farmers and farm policy. Iowa Farm Sci. 20(8):10-11. Feb. 1966. 275.28 Io94
G. M. Beal, J. M. Bohlen, and R. Warland, joint authors.
Iowa farmers' and economists' view of cost-price squeeze and the causes.
- 62592 PALEOLOGUE, J. E. Agriculture in the frame of unity in the Mediterranean area. (Fr) *Mediterranea* 8:256-266. (Cont.) Oct./Dec. 1965. 281.8 M462
English summary.
- 62593 PAPI, G. U. Plans and programs in agriculture. (It) *Prog. Agr. [Bologna]* 12(2):153-160. Feb.1966. 58.8 P94
International.
- 62594 PASANEN, O. N. An analysis of the agricultural base and potential in State economic area 2b in northeast Missouri. Diss. Abs. 26(3): 1393-1394. Sept.1965. 241.8 M58
- 62595 PEDERSEN, A. H. Some impressions on Russian agriculture and dairy industry. (Da) *Maelkeritidende* 79(14):287-303. (Cont.) Apr.8,1966. 44.8 M26
- 62596 PEDERSEN, A. H. Some impressions on Russian agriculture and dairy industry. (Da) *Maelkeritidende* 79(15):315-321. (Cont.) Apr.15,1966. 44.8 M26
- 62597 PEDERSEN, S. Agriculture in 1965. (Da) *Tidsskr. Landokon.* 1:1-36. Jan.1966. 11 T43
- 62598 PERSSON, I. Agriculture in the Province of Kalmar. (Sw) *Sveriges Utsadesforen. Tidskr.* 75(6):376-384. 1965. 61.9 Sv23
- 62599 POPESCU, B. Some problems of agricultural planning. (Rum) *Probl. Agr. [Bucharest]* 18 (3):13-22. Mar.1966. 21 R862
- 62600 POPESCU, M., and BALAURE, F. Intensive and comprehensive development of socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 409:27-43. Jan.7,1966. (JPRS: 33,647; TT: 66-30091) 173 J663Ste
Rumania.
Translation from *Probleme Economice* 11: 122-135. Nov.1965.
Issued by CFSTI.
- 62601 RAO, P. V. G. K. Marketed surplus and agricultural production—a case study of a village in U.P. Agr. Situation India 20(7):567-575. Oct.1965. 281.9 In23
- 62602 REA, E. Recent developments in British agriculture. Pakistan J. Sci. 16(5/6):316-320. Sept./Nov.1964. 475 P172
- 62603 RIGGS, D. W. 1966 Green Report: progress and problems on West German farms. Foreign Agr. Incl. Foreign Crops Markets 4(14):9. Apr.4,1966. A281.9 F76Fo
Includes Green Plan.
- 62604 RIOTTE, A. New organization of rural areas. (Fr) *Rev. Franc. Agr.* 12:23-33, map. Spring 1966. 281.8 R328
- 62605 ROCHESTER, M. C., and WILLIAMON, P. S. The 1966 agricultural outlook for South Carolina. Clemson Univ. Ext. Misc. Circ., Dec. 1965, 6 p.-folder. 275.29 So8M
- 62606 ROCKEFELLER FOUNDATION. Program in the agricultural sciences; annual report, 1964-1965. New York, 1965. 262 p. 281.9 R59
Includes the program for Mexico, Colombia, Chile, and India, the International Food Crop Improvement Program, the International Rice Research Institute, and other programs.
- 62607 ROUVEROUX. Observations on the decline of agriculture in the Central Massif. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebdom. Seances 51(18):1169-1178. Dec.8/15,1965. 14 P215Bc
Includes discussion.
- 62608 RUDRAMOORTHY, B. Increasing agricultural production; role of panchayats. Kurukshetra 14(4):9-12. Jan.1966. 281.28 K96
- 62609 RUDY, D. The agriculture industry. Planters' Chron. 61(5):85-86. Mar.1,1966. 22 P693
USSR.
- 62610 RUSSELL, G. E. Total resource development in Virginia; a guide for planning and action. Va. Polytech. Inst. Ext. Circ. 990, 15 p. Dec. 1965. 275.29 V81C
Result of a cooperative effort by members of the State Rural Areas Development Committee.
- 62611 SAIDMURADOV, K. S. Postroenie fundamenta sotsialisticheskoi ekonomiki v sel'skom khoz-yaistve Tadjikistana [Formation of foundations for socialist farming in Tadjikistan]. Dushanbe, Izdatel'stvo AN Tadjikskoi SSR, 1965. 137 p. Ref. HD2105.T3S2
- 62612 SALA-ESCOLIES, E. Dialog on Spanish agricultural policy. (Sp) *Inst. Agr. Catalan San Isidro. Rev.* 114(5):89-90. May 1965. 15 Sa5
- 62613 SCHELHAAS, H. On the future of the farm. (Du) *Ned. Zuivelbond. Off. Orgaan* 57(24):502-504. (Concl.) June 16,1965. 44.9 AL3
- 62614 SCHORR, H. The 1966 Green Plan. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(8):273-274,308. Feb.24,1966. 18 N39
- 62615 SCHUEREN, J. B. G. M. R. DE VAN DER, New tasks. (Du) *Koninkijke Ned. Heidemaatsch. Tijdschr.* 76(11):532-536. Nov.1965. 12 N282
Policy of the Nederlandsche Heidemaatschap-pij in agriculture and related fields.
- 62616 SOET, F. DE. Positive, essential, and undis-guised. (Du) *Landbouwkundig Tijdschr.* 77(17): 621-623. Oct.1965. 105.2 Or3
Agricultural policy.
- 62617 TAMBAD, S. B. Spatial and temporal variations in agricultural productivity in Mysore State. Indian J. Agr. Econ 20(4):39-45. Oct./Dec.1965. 281.8 In2
- 62618 TEGELER, H. H. The agriculture of West Asia. U. S. D. A. Econ. Res. Serv. ERS-Foreign-143, 75 p., map. Ref. Feb.1966. A281.9 Ag83
- 62619 TOMIN, M. Agrarian policy and the private farm [in] Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:11-26. Mar.22,1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from *Socijalizam* 12:1563-1579. 1965.
Issued by CFSTI.
- 62620 TORRACCA, M. Public programs for provincial agriculture from 1961 to 1964. (It) *Agr. Spezia* 13(6):114-117. June 1965. 16 Ag8229
- 62621 TRAN HUU DUC. 1965 plans for agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 155:44-50. Mar.23,1965. (JPRS: 29,254) 173 J663Trn
Translation from *Thoi Su Pho Thong* 3:5-12. Feb.1965.
Issued by CFSTI.
- 62622 TRAN XUAN TRUONG. Characteristics of the new division of labor in agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:1-16. Mar.3,1966. (JPRS 34,389; TT 66-30829) 173 J663Trn
Agricultural policy and specialization by regions.
Translation from *Nghien Cuu Kinh Te* 30:7-15,22. Dec.1965.
Issued by CFSTI.

- 62623 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. TECHNICAL ASSISTANCE COMMITTEE. Annual report of the Technical Assistance Board for 1964; final report on the implementation of the 1963-1964 programme. UN. Econ. Soc. Council. Offic. Rec. Suppl. 5,150 p., map. 1965. 280.9 Un3653Os
- 62624 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. The Western Hemisphere agricultural situation; review of 1965 and outlook for 1966. U. S. D. A. Econ. Res. Serv. ERS-Foreign-154,70 p. Mar.1966. A281.9 Ag83
Includes statistics.
- 62625 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Background on U.S. agriculture. U. S. D. A. Leaflet. 491,rev.,8 p.-folder. Mar. 1966. 1 Ag84L
- 62626 U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Rural Areas Development at work. U. S. D. A. PA-625,rev.,32 p. Apr. 1966. 1 Ag84Pro
Program.
- 62627 VOLOVCHENKO, I. P. Concerning the intensification of agricultural production. 40 p. (JPRS 23,310; OTS 64-21607) Transl. 14255 Policies.
Translation from Pravda Feb.11,1964:1-4. CFSTI: \$1.25.
- 62628 WALTERS, H. E. New Soviet plan implies major farm policy switch; the programs outlined for Soviet agriculture in 1966-70, while not new in themselves, add up to a new look at Soviet farmers and their needs. Foreign Agr. Incl. Foreign Crops Markets 4(12):3-5. Mar.21,1966. A281.9 F76Fo
Soviet Five Year Plan for 1966-70.
- 62629 WARD, R. J. Focus in Jordan agriculture. Land Econ. 42(2):189-194. May 1966. 282.8 J82
- 62630 WARLEY, T. K. Agricultural policy in Europe. Grain Rev. 3(2):1-4. Apr.1965. 286.81 G767
Chiefly British policies and European Economic Community.
- 62631 WARREN, C. J. UAR's Second 5-Year Plan shifts stress to agriculture. Foreign Agr. Incl. Foreign Crops Markets 4(18):9. May 2, 1966. A281.9 F76Fo
- 62632 WEINGARTNER, H. Farming between technique and state. (Ge) Lebendige Erde 3:102-104. May/June 1965. 18 L49
Policy in France.
- 62633 WORKSHOP ON PROBLEMS OF CHRONICALLY DEPRESSED RURAL AREAS, ASHEVILLE, N. C., 1965. [Papers]. N. C. State Univ. Agr. Policy Inst. Ser. 19,235 p.,map. Ref. Nov. 1965. 281.9 N8122
- 62634 ZYSSET, H. The agriculture of Ile-de-France. (Ge) Grune 94(4):1452-1459. Oct.8,1965. 17 Sch9
- Subsidies
- 62635 CORSTIAENSEN, W. P. M. The subsidy for agricultural equipment in Germany. (Du) Loonbedrijf Land- Tuinbouw 18(8):637,639. Aug.1965. 283.8 L87
For purchases.
- 62636 DARDIS, R. The welfare cost of agricultural protection. Diss. Abs. 26(8):4283-4284. Feb. 1966. 241.8 M58
Trade.
- 62637 GADDONI, E. Incentives for the strengthening of cattle raising in the Province. (It) Romagna Agr. Zootec. 50(6):167-168. June 1965. 16 R66
Subsidy.
- 62638 KLUSMANN, W. Subsidies for forage conservation and liquid manure equipment from the 1965 Green Plan in Schleswig-Holstein. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 137:15-20. Feb.15,1966. 281.8 B462
Payments for silo construction and manure-handling equipment.
- COST AND STANDARD OF LIVING
- 62639 MOD, MRS. A. Timely questions on the standard of living [in] Hungary. U. S. Joint Publ. Res. Ser. Transl. Econ. Organ. Manage. East. Europe 559:23-41. Apr.6,1966. (JPRS 34,901; TT 66-31339) 173 J663Tre
Includes rural areas.
Translation from Tarsadalmi Szemle 3:13-27. Mar.1966.
Issued by CFSTI.
- 62640 SCHWENK, F. Family living outlook for 1966. Iowa Farm Sci. 20(8):14-15. Feb.1966. 275.28 I094
Chiefly on new products on the market.
- FARM MANAGEMENT AND LAND ECONOMICS
- 62641 AANDERUD, W. G. Income variability of alternative plans, selected farm and ranch situations, rolling plains of northwest Oklahoma. Diss. Abs. 26(3):1383-1384. Sept.1965. 241.8 M58
Includes linear programming techniques.
- 62642 AANESLAND, N., and BORGAN, S. Optimum size of farm suited to the community. (No) Ny Jord 52(5):177-189. Oct.1965. 282.28 N98
- 62643 ACHARI, T. K. T. A note on optimum resource allocation as estimated from Cobb-Douglas production functions. Indian J. Agr. Econ. 20(4):101-107. Oct./Dec.1965. 281.8 In2
- 62644 ANSCHEL, K. R. Economic aspects of peasant rubber production in midwestern Nigeria. Diss. Abs. 26(8):4291. Feb.1966. 241.8 M58
- 62645 ADDENS, N. H. H. Has the Netherlands dairy cattle farmer a future? (Du) Misset's "Zuivel" 71(13):293,295. Mar.30,1965. 44.8 N282
- 62646 ANGHEL, G., and GUTESCU, L. Main ways of increasing contribution of co-operative sector to agricultural production development. (Rum) Probl. Econ. [Bucharest] 19(2):68-81. Feb.1966. 280.8 P947
English summary, p.172.
- 62647 ANTOINE, M. A. Agricultural production co-operatives. (Fr) Liege. Inst. Prov. Coop. Agr. Bull. 47:8-20. Mar.1966. 280.29 L62
- 62648 ARLT, R., and RICHTER, H. Rechte und Pflichten der Genossenschaftsbauern [Rights and duties of collective farmers]. Berlin, Staatsverlag der Deutschen Demokratischen Republik, 1965. 440 p. HD1492.G3A7
- 62649 ARNANZ, R. An example of communal farming. (Sp) Agricultura [Madrid] 34(401):489. Sept.1965. 15 Ag84
Rye culture.
- 62650 ATHREY, N. B. The small grower in the Indian coffee economy. Planting Com. 13(11):25-28. Sept.8,1965. 22 p697
- 62651 BANGMA, J. Farm adaptation. (Du) Neth. Rikjslandbouwoconsul. Utrecht. Bedrijfsvoorzichting Jaarnummer 1965:42-45. 12 N3833J
Dairy farm management and costs and returns.
- 62652 BAROZZI, L. Technique at the service of man. (It) Genio Rurale 29(1):17-23. Jan.1966. 281.8 R522
Farming methods and mechanization and its effects.
- 62653 BENVENUTI, B. In a period of ten years the stability of cooperatives doubled. (It) Esso Agr. 14(1):14. Dec.1965. 58.8 Es7
Agricultural.
- 62654 BERG, C. VAN DEN, and LOCHT, L. J. Review of economic research in land improvement. (Du) Landbouwkundig Tijdschr. 77(17):624-630. Oct.1965. 105.2 Or3
Input-output analysis.
- 62655 BERGMANN, D. Some views on agriculture without livestock. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(17): 1149-1154. Dec.1,1965. 14 P215Bc

- 62656 BESEDY po ekonomike sovkhoznogo proizvodstva [Discussions on economy in production on the state farms]. Ed. 2, rev. and enl. Moskva, Ekonomika, 1965. 392 p. HD1493.U4B4
- 62657 BISICCHIA, L. Cooperation at the service of the small producer: "vital farms" or "vital agricultural cooperatives"? (It) Sondrio. Cam. Com. Indus. Agr. Valtellina Val. Chiavenna 19(2):9-13. Feb.1966. 287 So5
- 62658 BOON, C. The family farm, basis of the European agricultural and forestry economy. (Fr) Confed. Europe. Agr. Publ. CEA 31:5-40. 1965. 28 C763
- 62659 BOONMAN, D. C. M. Cooperation in dairy farming. (Du) Landbouwmecanisatie 17(3):317-321; (4):399-402. Mar.-Apr.1966. 58.8 L2352
English summary.
- 62660 BORISOV, YA. Changes needed in administration of kolkhozes and sovkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:5-9. Apr.19,1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 11:36. Mar.1966.
Issued by CFSTI.
- 62661 BRANDES, W. How does one calculate in agriculture? (Ge) Mitt. Deut. Landwirt.-Ges. 80 (30):1200-1202. July 29,1965. 18 N39
Statistical analysis of farm planning.
- 62662 BRAS, C. Ideas on the development of grassland farms. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 23(1):20-24. Jan.1966. 12 N383M
Management.
- 62663 BULLER, O. H. Profitable adjustments on selected Michigan tree fruit farms. Diss. Abs. 26(8):4291-4292. Feb.1966. 241.8 M58
Linear programming for farm management adjustments.
- 62664 BYELOZERTSEV, A. Increasing profits in grain production. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:58-63. Feb.1966. 20 V633
English summary.
- 62665 CAMPOS, A. C. R. DE. Social development of the rural man and the agricultural regent. (Por) Granja [Lisboa] 24(3/4):97-104. July/Dec.1965. 15.5 G76
Farm management.
- 62666 CARLO, A. DE. Calves with blazons. (It) Modena 72(1):11-14. Jan.1966. 280.9 M722
Farm management.
- 62667 CELO, A. For a better ratio in poultry farming. (Al) Bul. Shkencave Bujqesore 4(3):89-94. Ref. 1965. 21.5 B87
English summary.
Farm size.
- 62668 CEYLON, LAND COMMISSIONER. Administration report for 1963-64. Colombo, 1965. 88 p. 282.29 C33
Text also in Singhalese.
- 62669 CHACKO, V. I. The plantation industry of India; its relevance to economic progress. Planting Com. 13(4):9,11-15. May 8,1965. 22 P697
Chiefly coffee and tea.
- 62670 CHAMBLISS, R. L., and HOEPNER, P. H. Farm organization and resource use in the cash-grain area of northeastern Virginia. Va. Agr. Exp. Sta. Bull. 571,64 p. Feb.1966. 100 V81S
Linear programming.
- 62671 CHAWDHARI, T. P. S., CHOWDHURY, S. L., and SHARMA, B. M. Farmers' perception of constraints influencing choice of crops and adoption of certain recommended practices. Agr. Situation India 20(7):555-565. Oct.1965. 281.9 In23
- 62672 CICORIA, L. The reform of the farm. (It) Nuova Econ. (n.s.) 78(1):14-15. Jan.1966. 287 P43
Share farming.
- 62673 CLAYTON, E. The application of modern farm management techniques to peasant farming. UN. Econ. Comm. Afr. Agr. Econ. Bull. Afr. 7:1-11. Sept.1965. 281.9 Un3823
- 62674 COLYER, D. Optimal organizations for representative farms in northwest Missouri. Mo. Agr. Exp. Sta. Res. Bull. 890,47, p.,map. Dec.1965. 100 M693
Linear programming.
- 62675 COLYER, D., and PETERSON, G. A. Adjustments in dairy farming in western Wisconsin under alternative capital limitations. Wis. Agr. Exp. Sta. Res. Bull. 578,31 p. Feb.1966. 100 W75
U. S. Department of Agriculture, cooperating.
Linear programming.
- 62676 CONDRATENCO, T. Indices of intensive and many-sided development of agricultural (Rum) Probl. Econ. [Bucharest] 19(1):143-145. Jan. 1966. 280.8 P947
- 62677 CONNEMAN, G. J. An economic analysis of changes in milk production in the New York milkshed; changes on farms supplying milk to the New York-New Jersey market 1960-1964; progress report 5. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 195,21 p. Mar. 1966. 281.9 C81A
- 62678 CONNEMAN, G. J., and LOOMIS, C. W. Agricultural Science Youth Program 1966. Farm management problem, Cornell University, Ithaca, New York, March 28-30, 1966. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 427,10 p. 1966. 281.9 C81Ae
- 62679 CONNOR, L. J. Long-run adjustment hypotheses for farm operators in a sparsely populated, high-risk area of the Great Plains. Diss. Abs. 26(3):1385-1386. Sept.1965. 241.8 M58
- 62680 DEBRIVE, L. The V Plan; hope or illusion for agriculture. (Fr) Paysans 10(58):49-56. Feb./Mar.1966. 14 R323
In France.
- 62681 DECKEN, H. VON DER. Important points of view touching the establishment of experimental farms in development countries. (Ge) Agrarwirtschaft 15(3):101-108. Mar.1966. 281.8 Ag826
English summary.
- 62682 DIJK, H. VAN. Farm management and income. (Du) Neth. Rijkslandbouwwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:15-20. 12 N3833J
Livestock farms.
- 62683 DILLON, J. L. Farm management in Australia as an academic discipline. Rev. Marketing Agr. Econ. 33(4):175-189. Ref. Dec.1965. 286.8 N47M
- 62684 DORING, H. Zu den Kooperationsbeziehungen in der Landwirtschaft der Deutschen Demokratischen Republik [Cooperative relations in the agriculture of the German Democratic Republic]. Berlin, Staatsverlag der Deutschen Demokratischen Republik, 1965. 397 p.,map. HD1491.G3D6
Chapters by H. Friedrich, H. Doring, H. Muller, G. Curdt, E. Goschick, R. Mieth, S. Schifferdecker, G. Bucher, and R. Trautmann.
- 62685 DZELZITIS, YA. YA. Economic commission on collective farm. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:32. Apr.1966. 30.69 Uc4
- 62686 EDINGER, W. The simplification of animal raising on the farm. (Ge) Forderungsdienst 13(5):145-151. May 1965. 19 F75
Austria.
- 62687 EFIMOV, V. P. Intensifikatsiya sel'skogo khozyaistva v kolkhozakh i sovkhozakh [Intensification of agriculture on collective and state farms]. Moskva, Kolos, 1965. 383 p. HD1992.E3
- 62688 ELDIK, J. VAN. Problems and prospects of dairy cattle raising. (Du) Neth. Dir. Landbouw. Landbouwwoorlichting 23(1):14-19. Jan. 1966. 12 N383M

- 62689 FANNING, P. K. Application and analysis of American crop production concepts on State farms in Yugoslavia. Diss. Abs. 26(8):4415-4416. Feb.1966. 241.8 M58
- 62690 FARUQI, N. Y. Z. Correlation between prices and farmers' choice of products. Agr. Marketing [Nagpur] 8(2):1-3. July 1965. 280.38 Ag84 India.
- 62691 FAUNIERES, A. Le travail de direction du chef d'entreprise agricole [The directional work of the farm head]. Organ. Gestion Entrep. Agr. 25(Etude252),12 p.,map. (Cont.) June 1965. 281.8 Or33
- 62692 FAZEKAS, B. Development of agricultural plants. II. (1949-1964). (Hu) Statist. Szemle 44(2):115-138. Feb.1966. 266.5 St2M English summary. State farms.
- 62693 FIFE, L. S. The application of EDP to the decision making process in industry and on the farm. Amer. Soc. Agr. Eng. Pap. 614,12 p. 1965. 290.9 Am32P
- 62694 FIORITO, G. Livestock raising on small farms. (It) Agr. Napoletana 32(7/8):32-36. (Cont.) July/Aug.1965. 16 Ag8268 Cattle.
- 62695 FRINGS, H. M. K., and HEUVEL, C. V. D. Developments in poultry raising. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:39-41, map. 12 N3833J Farms.
- 62696 GARDER, N. DE. Societies for Land Management and Rural Settlement S.A.F.E.R. [Societes d'Amenagement Foncier et d'Etablissement Rural]. (Fr) Rev. Franc. Agr. 12:65-75, map. Spring 1966. 281.8 R328 Various activities.
- 62697 GASSER, W. Die Behinderung der landwirtschaftlichen Entwicklung durch die zu geringe Betriebsgrösse und die ungünstige regionale Lage; Vortrag anlässlich der 5. Internationalen Arbeitstagung vom 3. November 1965 [Hindering of agricultural development through too small farms and unfavorable regional position]. St. Gallen, Hochschule St. Gallen für Wirtschafts- und Sozialwissenschaften, 1965? 21 p. HD2032.G3
- 62698 GIL, F. A. Kibbutz and moshav: aspects and social and economic problems in their present structure. I. (It) Riv. Agr. Subtrop. Trop. 59(7/9):317-336. Ref. July/Sept.1965. 26 Ag82 English summary, p.6 of supplement.
- 62699 GOSCHICK, E. Further development of services rendered by farmer trade cooperatives [Bauerliche Handelsgenossenschaften]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 409:1-5. Jan.7,1966. (JPRS: 33,647; TT: 66-30091) 173 J663Ste Translation from WTF Feldwirtschaft 6(12): 534-536. Dec.1965. Issued by CFSTI.
- 62700 GREINER, G., and others. Die Vertragsbeziehungen der LPG; ein Leitaden für LPG-Vorsitzende [Contract relations of collective farms; a guide for collective farm chairmen]. Berlin, Staatsverlag der Deutschen Demokratischen Republik, 1965. 155 p. HD1492.G3G7 S. Bergmann, E. Drews, G. Freund, K. Justmann, W. Meiser, and E. Wendland, joint authors.
- 62701 GROENDIJK, T. The new Zegveld experimental farm. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:49-52. 12 N3833J Grassland farm.
- 62702 GUELFAT, I. Cooperative and collective enterprises in socialist agriculture; considerations on development in agricultural cooperation in the U.S.S.R. and countries of people's democracies. (Fr) Int. Arch. Sociol. Coop. 18:11, 31. July/Dec.1965. 280.28 Ar22
- 62703 GUNN, H. J. Some long-term aspects of hill sheep farming. Scot. Agr. 45(1):25-27. Winter 1965/66. 10 Sco82So
- 62704 GYENES, A. Agricultural cooperation in Hungary. (Fr) Int. Arch. Sociol. Coop. 18:32-42. July/Dec.1965. 280.28 Ar22
- 62705 HACOEN, E. Social structure and economic development of the Israeli kibbutz. (Fr) Arch. Sociol. Coop. 18:76-80. July/Dec.1965. 280.28 Ar22
- 62706 HAINAUX, J. Intensive production of beef and grain production. (Fr) Inform. Doc. Agr. 19(13):8-11,13-17,19-20. July 1,1965. 14 In32 Management.
- 62707 HARRISON, A. The farms of Buckinghamshire; some features of farm businesses in a county adjoining Greater London. Reading, Engl. Univ. Dep. Agr. Econ. Misc. Stud. 40,31 p., map. Feb.1966. 281.9 R22Ms
- 62708 HART, M. L. 'T. The ballad of the farmer and reality. (Du) Veeteelt Zuivelber. 8(12):500-502. Dec.1965. 49 V51 Chiefly on the size and management of dairy farms. Comments on article by T. C. J. M. Rijssenbeek, reply by Rijssenbeek, p.503-504.
- 62709 HARTIA, S. New draft statutes for agricultural cooperatives [in] Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:1-16. Apr.12,1966. (JPRS 34,999; TT 66-31437) 173 J663Ste Translation from Probleme Economice 19(1): 50-63. Jan.1966. Issued by CFSTI.
- 62710 HARTIA, S. The rules—basic law of agricultural production co-operatives. (Rum) Probl. Econ. [Bucharest] 19(1):50-63. Jan.1966. 280.8 P947 English summary, p.169.
- 62711 HEAGLER, A. M., COOKE, F. T., and TRAMMEL, T. E. The place of cow-calf enterprises in farming systems in the Yazoo-Mississippi Delta. Miss. Agr. Exp. Sta. Bull. 719,16 p. Nov.1965. 100 M69 Linear programming used.
- 62712 HIGHSMITH, R. M. How types of farming divide world agriculture into regions; land capabilities plus social and economic factors have created a complex agricultural pattern, but this can be subdivided into nine general regions. Foreign Agr. Incl. Foreign Crops Markets 4(11):3-5, map. Mar.14,1966. A281.9 F76Fo
- 62713 HOFMANN, F. Efficient hog production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 407:1-8. Jan.3,1965. (JPRS 33,558; TT 66-30003) 173 J663Ste Translation from Die Deutsche Landwirtschaft 12:499-501. Dec.1965. Issued by CFSTI.
- 62714 HOGG, J. T. Farming planning in action—Rangitikei. Soil Water 2(3):21-22. Mar.1966. 56.8 So323 Conservation farming.
- 62715 HOUTEN, J. G. T. The endangering of the balance of nature through technical culture measures. (Ge) Agrarpolit. Rev. 22(6):241-251. Feb.1966. 281.8 Ag824
- 62716 HOWALD, O. Estimation of costs and programming in agriculture. (Ge) Agrarpolit. Rev. 22(6):252-266. Feb.1966. 281.8 Ag824
- 62717 HSIEH, S. C. Commercialization of agricultural production in relation to small farm system in Taiwan. Farm Manage. Notes Asia Far East 2(1):7-14. Jan.1966. 281.8 F2228 Amount of farm products marketing in relation to amount kept for home consumption.
- 62718 HUTTON, R. F. A simulation technique for making management decisions in dairy farming; narrative, flow chart, and computer code description. U. S. D. A. Agr. Econ. Rep. 87, 143 p. Ref. Feb.1966. A281.9 Ag8A

- 62719 JAMIL, M. B., and HEE, K. T. The need for conducting management research in Malaya. *Farm Manage. Notes Asia Far East* 2(1):1-6. Jan.1966. 281.8 F2228
- 62720 JASSO SUBIALDEA, A. Sheep on the ejido. (Sp) *Panagra* 5(64):24-25. Feb.1966. 8 P196 Management.
- 62721 KACHIRASHVILI, G. Operation of the "Yuzhnyy" sovkhos-poultry combine of Krymskaya oblast. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 59:10-19. Jan.8,1965. (JPRS: 28,203) 173 J663Tso
Translation from *Kolkhozno Sovkhoznoye Proizvodstvo RSFSR* 9:40-42. Sept.1964. Issued by CFSTI.
- 62722 KADLEC, J. R., and MORRIS, W. H. M. How big should the swine enterprise be? *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):93-100. Apr.1966. 281.8 Am32 Farm management.
- 62723 KAMMINGA, J. Management planning in agriculture: program planning. (Du) *Neth. Dir. Landbouw. Landbouwvoorlichting* 22(10/11): 484-491. Oct./Nov.1965. 12 N383M
- 62724 KENYA COLONY AND PROTECTORATE. DEPT. OF SURVEYS. Survey of Kenya; administration report, 1964. Nairobi, 1965. 16 p. 282.9 K422
- 62725 KHAN, R. A. Marginal rates of substitution between fertilizer and land in production of wheat and paddy rice. *Diss. Abs.* 26(9):5085. Mar.1966. 241.8 M58
- 62726 KIM NGOC. Some experiences of the Vinh Phuc party organization in leading agricultural production. U. S. Joint Publ. Res. Serv. Transl. *Hoc Tap (Stud.) N. Vietnam* 6:115-120. July 19,1965. (JPRS: 31,139; TT: 65-31637) 173 J663Th
Farm management.
Translation from *Hoc Tap* 6:64-67. June 1964. Issued by CFSTI.
- 62727 KLETCH, G. Selling pure air by a neo-capitalist peasant in a civilization of relaxation. (Fr) *Rev. Franc. Agr.* 12:34-38. Spring 1966. 281.8 R328
Exploitation of tourism.
- 62728 KOENINGS, R. Federal programs for outdoor recreation as they affect farm managers and rural appraisers. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):69-78. Apr.1966. 281.8 Am32
- 62729 KOOYMAN, P. Structural changes in flower-bulb growing. (Du) *Neth. Dir. Tuinbouw. Mededl.* 28(9):434-436. Sept.1965. 86 N384
English summary p.473-474.
- 62730 KOTICHENKOV, A. Development of social production and private subsidiary farming. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 117:19-23. Mar.23,1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from *Planovoe Khozyaistvo* 2: 79-81. Jan.1966. Issued by CFSTI.
- 62731 LARMOUR, T. A. Farm management standards 1965-66. *Agr. Northern Ireland* 40(9):264-269. Jan.1966. 256.13 Ag82M
- 62732 LEE, J. E. Exact aggregation; a discussion of Miller's theorem. *Agr. Econ. Res.* 18(2):58-61. Apr.1966. 1 Ec7Agr
Farm linear programming models.
- 62733 LING, H. The development of diversified operations. U. S. Joint Publ. Res. Serv. Transl. *Ching-chi Yen-chiu (Econ. Res.)* 10:10-42. Dec.20,1965. (JPRS 33,403; TT 65-33977; 13029-N) 173 J663Trf
Diversified farming.
Translation from *Ching Chi Yen Chiu* 10:5-18. Oct.20,1965. Issued by CFSTI.
- 62734 LUCA, I. The effective exploitation of irrigated lands on state farms. (Rum) *Probl. Agr. [Bucharest]* 17(6):61-68. June 1965. 21 R862
- 62735 LUND, P. Farm simplification without large investments. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(30):1187-1188. July 29,1965. 18 N39
- 62736 MADDEX, R. L. Materials handling as a planning base for farm development. *Amer. Soc. Agr. Eng. Pap.* 504,7 p. 1965. 290.9 Am32P
Farm organization.
- 62737 MAKINGS, S. M. Group farming and tractor use. *UN. Econ. Comm. Afr. Agr. Econ. Bull. Afr.* 7:28-35. Sept.1965. 281.9 Un3823
- 62738 MANDERSON, A. The production of prime lamb and wool in the high rainfall zone in New South Wales and Victoria 1960-61 to 1962-63. *Australia. Bur. Agr. Econ. Quart. Rev. Agr. Econ.* 19(1):30-41. Jan.1966. 281.9 Au73
Includes costs and returns.
- 62739 MARUTA, S. On the structure of the peasantry household economy. *Kagoshima Univ. Fac. Agr. Mem.* 5(2):19-26. Mar.1965. 107.6 K114
- 62740 MCCORMACK, R. J. The Canada land inventory of ARDA [Agricultural Rehabilitation and Development Act]. *Forest. Chron.* 42(1):45-50. Mar.1966. 99.8 F7623
- 62741 MCCROSKEY, S. E., FALLERT, R. F., and WHITTED, S. F. Changes in dairying; past and future trends, based on St. Louis marketing surveys. *Mo. Agr. Exp. Sta. Bull.* 844, 28 p. Feb.1966. 100 M693
Farm management aspects.
- 62742 MCDOWELL, J. I. Scale economies and returns in commercial cattle feedlots. *Diss. Abs.* 26(3):1390-1391. Sept.1965. 241.8 M58
- 62743 MCKINLEY, C. The management of land and related water resources in Oregon; a case study in administrative federalism. *Washington, 1965.* 552 p. Ref. HD211.O7M3
Forest and range management, work of the Soil Conservation Service, and the Agricultural Conservation Program included.
- 62744 MCMILLEN, W. R. Farm management offered by business and industry. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):88-92. Apr.1966. 281.8 Am32
- 62745 MEASNICOV, M., and others. The determination of the shape and size of irrigated or drained field crop breaks. (Rum) *Probl. Agr. [Bucharest]* 17(6):37-47. June 1965. 21 R862
I. Bold, I. Eftimie, and N. Ioan, joint authors. English summary.
For improved management.
- 62746 METCALFE, D. S. For agriculture the past is only a prologue. (It) *Genio Rurale* 28(5): 339-348. May 1965. 281.8 R522
Farming of the future.
- 62747 METZGER, H. B., and TAYLOR, R. I. Organizing dairy farms to maximize net incomes. *Maine Farm Res.* 13(4):21-30. Jan.1966. 100 M28Ma
Use of linear programming.
- 62748 MICKA, E. S. Economic effects of alternative resource organizations in the production of market eggs. *Diss. Abs.* 26(9):5087. Mar. 1966. 241.8 M58
- 62749 MILLAR, A. D. Present-day problems in hill sheep management. *Scot. Agr.* 45(1):9-13. Winter 1965/66. 10 Sco82So
- 62750 MILLER, R. H. Veal adds to dairy income. *Agr. Situation [Washington]* 50(4):7. Apr.1966. 1 Ec7Agr
- 62751 MILLER, T. A. Sufficient conditions for exact aggregation in linear programming models. *Agr. Econ. Res.* 18(2):52-57. Apr.1966. 1 Ec7Agr
Farms.
- 62752 MISSERI, S. C. The possibility of defining and classifying farms in relation to environmental differences. (It) *Riv. Econ. Agr.* 20(2/3):53-173. Ref.,p.142-145. 1965. 281.8 R52
English summary.
Includes discussion with introduction by C. Cupo.

- 62753 MORRISON, T. C. Business management key to greater egg profits. *Poultry Trib.* 72(4):20, 54,56. Apr.1966. 47.8 P8642
- 62754 MUELLER, A. G., and MUEHLING, A. J. Hog production systems: an analysis to help in management decision-making. (Condensed.) *Agr. Eng.* 1(3):140-141. Mar.1966. 58.8 Ag83 Includes costs.
- 62755 NARAYANASWAMY, S. Ways and means in the plantation industry. *Planting Com.* 13(4):6-8. May 8,1965. 22 P697
Tea and coffee in India.
- 62756 NEGOITA, V., and DEAS, S. The effectiveness of the specialization and concentration of maize production at the state farms of the Bacau Trust. (Rum) *Probl. Agr.* [Bucharest] 18(3): 104-108. Mar.1966. 21 R862
- 62757 NEW SOUTH WALES. DEPT. OF LANDS. Report for the year ended 30th June, 1965. Sydney, 1965. 50 p. 271.1 L22R
- 62758 NIELSEN, S. H. Danger of wrong investments in agriculture; management problems in connection with consolidation and cooperative management of farms. (Da) *Tolvmandsbladet* 37(10):484-488. Oct.1965. 11 T58
- 62759 NIEWENHUYSEN, J. Economic development in the African reserves of South Africa. *Land Econ.* 42(2):195-202. May 1966. 282.8 J82
Includes policies.
- 62760 OKONOMIK der LPG; Lehrbuch der Fachschulen für Landwirtschaft [Economics of collective farms; textbook for vocational agricultural schools]. Ed. 2, heavily rev. Berlin, Deutscher Landwirtschaftsverlag, 1965. 542 p. (Lehrbuch der Okonomik der LPG)
HD1492.G304
- 62761 OLSEN, E. Experiment station seeks higher efficiency on Danish farms. *FATIS* (Food Agr. Tech. Inform. Serv.) Rev. 12(1):18-20. 1965. 275.249 F26
- 62762 OLY, D. Organization of management and mechanization of accounting in production co-operatives. (Hu) *Magyar Mezogazdasag* 21 (12):10. Mar.23,1966. 19 M27
- 62763 PETIT, M. J. Econometric analysis of the feed grain livestock economy. *Diss. Abs.* 26 (9):5087-5088. Mar.1966. 241.8 M58
Input-output analysis.
- 62764 PLOEG, J. VAN DER. Influence of combining on arable farms in Groningen. (Du) *Landbouw. Landbouwvoorlichting* 23(1):9-13. Jan.1966. 12 N383M
Management and costs.
- 62765 PORTER, W. W. The public domain—heart of the Republic. III. *Amer. Forests* 72(3):34-35, 58-63. Mar.1966. 99.8 F762
History.
- 62766 PRICE, O. T. W. The opportunity for British farming. *Farm Bus.* 5(2):33-40. Mar.1966. 281.8 F2284
Management.
- 62767 RAM, K., and CHAWDHARI, T. P. S. Estimation of relationships between farm management factors and farm income. *Indian J. Agr. Econ.* 20(4):1-16. Oct./Dec.1965. 281.8 In2
- 62768 RAO, T. R. Urbanisation and efficiency in farming. *Indian J. Agr. Econ.* 20(4):92-96. Oct./Dec.1965.
Returns included
- 62769 RAO, V. Y. Soybean supply functions for United States: a national, regional and state analysis. *Diss. Abs.* 26(9):5088. Mar.1966. 241.8 M58
- 62770 RASTOMYAN, K. E., and KOVALENKO, A. I. Study of technology of stationary farm processes in order to obtain their most useful application. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 3:98-102. Mar.1966. 20 V633
Statistical method used.
- 62771 REINHARD, C. Finishing economy secures the future. (Ge) *Raiffeisen-Rundschau* 18(4):140-142. Apr.1966. 284.28 R132
With particular reference to swine, and poultry and egg production.
- 62772 RICKARDS, P. A., and MUSGRAVE, W. F. Farm planning, linear programming and soil heterogeneity. *Rev. Marketing Agr. Econ.* 33 (4):190-213. Ref. Dec.1965. 286.8 N47M
In Australia.
- 62773 RIJNIERSE, A. A. M., and VEEN, S. VAN. De fruitteelt in de Bangert en omgeving [Fruit culture in Bangert and environs]. *Landbouw-Econ. Inst. Stud.* 34,32 p. Jan.1966. 281.9 L23S
Production areas and farm management.
- 62774 RILEY, M. P., and STEWART, J. R. The Hutterites: South Dakota's communal farmers. *S. Dak. Agr. Exp. Sta. Bull.* 530,31 p.,map. Feb.1966. 100 So82
- 62775 ROSCA, L. Raising the zootechnical share of output and income in agriculture. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 426:4-10. Mar.22,1966. (JPRS 34,460; TT 66-31079) 173 J663Ste
Farm management in Rumania.
Translation from *Agricultura Socialista* 7:7. Feb.1966.
Issued by CFSTI.
- 62776 ROTHLISBERGER, P. Farm planning. (Ge) *Grüne* 94(7):217-226. Feb.18,1966. 17 Sch9
Switzerland.
- 62777 RUSINOV, I. Intensification and deepening of agricultural specialization. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 67,12 p. May 4,1965. (JPRS 29,894) 173 J663Tso
Translation from *Voprosy Ekonomiki* 1:63-72. Jan.1965.
CFSTI: \$1.00
- 62778 SACHS, A. Observations and experiences in the 1965 working year. b) Farm management considerations. (Ge) *Grüne* 93(45):1614-1619. Nov.5,1965. 17 Sch9
Cattle in Switzerland.
- 62779 SACHEY, F. M. A. Pig farming is a money-making enterprise. *Ghana Farmer* 9(1):15-16, 37. Feb.1965. 24 G564
- 62780 SAVALE, R. S. A multi-period programming model showing the possibilities of capital formation in farming in Maharashtra area. *Indian J. Agr. Econ.* 20(4):29-38. Oct./Dec.1965. 281.8 In2
- 62781 SCHEER, P. L. Experiences and results of the swine nucleus in East Utrecht. (Du) *Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorzichting Jaarnummer* 1965:53-55. 12 N3833J
Management and costs and returns.
- 62782 SCHMIDT, F. Two American chinchilla farms, small but obviously well managed, including income from fur and breeding animal sale. (Ge) *Deut. Pelztierzüchter* 40(2):29-30. Feb.1,1966. 412.628 D48
- 62783 SCHROEDER, J. J., and HAGAN, A. R. Alternative systems of farming for a medium-size farm in central Missouri. *Mo. Agr. Exp. Sta. Res. Bull.* 897,51 p.,map. Ref. Sept.1965. 100 M693
Linear programming and block budgeting used.
U. S. Department of Agriculture, cooperating.
- 62784 SEREDENKO, B. Methods of reducing expenditures of labor and capital. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach.* 159,10 p. Dec.17, 1964. (JPRS 27,887; TT 64-51959) 173 J663Tsi
Farm management.
Translation from *Zernobobovyye Kul'tury* 9: 1-3. Sept.1964.
CFSTI: 1.00.
- 62785 SEUSTER, H. Der funktionelle Ablauf im landwirtschaftlichen Betrieb [The functional approach on the farm]. Hamburg, Parey, 1966. 159 p. S561.S4
Bibliography, p.147-153.

- 62786 SHMELEV, G. The economic role of individual auxiliary farms. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 78,14 p. June 23,1965. (JPRS 30,746) 173 J663Tso
Supplementary income for farmers.
Translation from Voprosy Ekonomiki 4:27-37. Apr.1965.
Issued by CFSTI. \$1.00
- 62787 SMITH, R. S. Incorporation of the farm business. Cornell Univ. Ext. Cornell. Ext. Bull. 1016,rev.,19 p. Nov.1965. 275.29 N48E
Family farm.
- 62788 SOROKIN, Y. Organizational structure of contemporary sovkhozes in the virgin lands region. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 60:3-7. Jan.11,1965. (JPRS 28,239) 173 J663Tso
Translation from Sovetskaya Rossiya 239:2. Oct.1964.
Issued by CFSTI.
- 62789 SRIVASTAVA, D. Cooperative agriculture and rural animation in India. (Fr) Int. Arch. Sociol. Coop. 18:200-205. July/Dec.1965. 280.28 Ar22
- 62790 STADHOUDERS, P. J. The structure of flower-bulb holdings on clay soils. (Du) Neth. Dir. Tuinbouw. Mededel. 28(9):457-466. Sept.1965. 86 N384
English summary, p.474.
- 62791 STANIVUKOVIC, S. Some observations on agriculture and cooperatives in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:1-8. Feb.26, 1965. (JPRS 28,905) 173 J663Ste
Translation from Agronomski Glasnik 8/9: 660-665. Aug./Sept.1964.
Issued by CFSTI.
- 62792 STEFANI, A. DE. The best size for farms. (It) G. Agr. 76(14):151. Apr.3,1966. 16 It1G
- 62793 STURIALE, C. Inquiry on the entrepreneurial level in agriculture. (It) Riv. Polit. Agr. 13(1): 43-46. Mar.1966. 281.8 R523
- 62794 STUTZER, D. Supplemental income, tourism. (Ge) DLZ (Deut. Landtech. Z.) 17(3):170,172. Mar.1966. 58.8 T677
For farmers.
- 62795 SUPPINI, A. On the profits of the barn in sharefarming. (It) Genio Rurale 29(2):143-146. Feb.1966. 281.8 R522
Division between owner and metayer.
- 62796 SVAB, J., and TOTTH, J. Crop production and livestock raising on state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 323:1-8. Dec.8,1964. (JPRS 27,734) 173 J663Ste
Translation from Statisztikai Szemle 42(10): 990-996. Oct.1964.
Issued by CFSTI.
- 62797 TAUBER, J. Agricultural producer cooperatives in Czechoslovakia. (Fr) Int. Arch. Sociol. Coop. 18:53-75. July/Dec.1965. 280.28 Ar22
- 62798 TAYLOR, D. C. Income improving adjustments and normative supply responses for hogs and beef in southwestern Minnesota. Diss. Abs. 26(8):4298. Feb.1966. 241.8 M58
Use of linear programming.
- 62799 TEXAS CATTLE FEEDERS COMMITTEE. Should Texas have a feedlot licensing law? Cattleman 52(11):36-37,58,60-62. Apr.1966. 49 C29
Panel discussion; moderator: L. Bergsma; panel members: T. Bratcher, G. Crofoot, P. Ganz, A. B. Rich, and J. Zummo.
- 62800 THOMSON, J. M., HALL, J. K. S., and GILCHRIST, J. A. A report on the new dairying system at Auchincruive. Scot. Agr. 45(1):1-8. Winter 1965/66. 10 Sco82So
- 62801 THORKELESON, G. F. What or where is the future of professional farm management. Amer. Soc. Farm. Managers Rural Appraisers. J. 30 (1):79-87. Apr.1966. 281.8 Am32
- 62802 TO CA. Some experiences in organizing livestock administration in agricultural cooperatives in Thai-Binh Province. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:80-88. July 2,1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien-cuu Kinh-te 25:35-38. Feb.1965.
Issued by CFSTI.
- 62803 TOFAN, A., and PINTEA, R. Economic advantages of agricultural production, concentration, and specialization. (Rum) Probl. Econ. [Bucharest] 19(2):142-147. Feb.1966. 280.8 P947
- 62804 TOFANI, M. About the methodologies of research and of study of agricultural and land structures. (It) Riv. Econ. Agr. 20(2/3):7-8. 1965. 281.8 R52
- 62805 TOULEMONDE, J. L'elevage ovin—et l'irrigation [Sheep raising—and irrigation]. Organ. Gestion Entrep. Agr. 25,4 p.following Etude 251. June 1965. 281.8 Or33
Farm management.
- 62806 TSINKOV, M. Reserves for the increase in production and income from the dairy. 19 p. (TT 64-10353) Transl. 15395
Translation from Sotsialisticheskoe Sel'skoe Khozyaistvo 11:27-35. 1953.
Issued by CFSTI.
- 62807 VAISSIERE, J. DE. Reflections on policies for agricultural organization and exploitation in France. (Fr) Rev. Franc. Agr. 12:12-22. Spring 1966. 281.8 R328
- 62808 VEER, J. DE. The practical importance of farm comparison work for agricultural extension. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):275-280. June 1965. 12 N383M
- 62809 VRIES, D. DE. On the size of a farm. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfsvoorlichting Jaarnummer 1965:10-14. 12 N3833J
Livestock farm management.
- 62810 VRIES, K. J. DE. The application of program planning to extension. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(1):6-8. Jan. 1966. 12 N383M
- 62811 WAGEMANN, H. The position of the State farms in socialized agriculture in the GDR and their mission. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 322:1-20. Dec.4,1964. (JPRS 27,686) 173 J663Ste
Translation from Einheit 9/10:141-152. Sept./Oct.1964.
Issued by CFSTI.
- 62812 WALLACE, J. J. Our young profession in retrospect. Amer. Soc. Farm. Managers Rural Appraisers. J. 30(1):101-107. Apr.1966. 281.8 Am32
Farm management.
- 62813 WARREN, S. W. Changes in New York farming as indicated by farm business charts: 1946 (white), 1958 (blue), 1966 (buff). Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 428,7 p. Mar.1966. 281.9 C81Ae
- 62814 WARREN, S. W. Location of farms by type, New York, 1959. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 429,11 p.,map. Mar.1966. 281.9 C81Ae
- 62815 WATANABE, N., OGAWA, M., and SHIBATA, S. Readjustment work of land parcels and its effect on farm management. 71 p. Transl. 15873
Rice farms.
Translation from Tohoku National Agricultural Experiment Station. Bulletin 29:53-74. 1959.
- 62816 YAKUSHEV, A. G., and AIDIN, V. N. Most profitable combination of branches on farm enterprises determined by mathematical methods and electronic computers. (Rus) Zhivotnovodstvo 2:46-51. Feb.1966. 49 Z6
- 62817 ZAMBIA. DEPT. OF LANDS. Annual report for the year 1964. Lusaka, 1965. 7 p. 282.9 R342

- 62818 ZOCCHI, L. The "pork factory", a realization for swine production in the future. (It) Suinicoltura 6(5):53-62. May 1965. 46.8 Su3
Italy; planning and equipping a large swine farm.
- 62819 ZUCCHI, G. The dynamics of land structure and utilization in development areas. (It) Riv. Econ. Agr. 20(2/3):174-248. 1965. 281.8 R52
English summary.
Includes discussion with introduction by G. A. Marselli.
- 62820 ZUIDEMA, L. W. How to win in the big dairy business. Big Farmer 38(2):76-77. Spring 1966. 58.8 B46
Management.
- Bookkeeping and Records
- 62821 ANDZHAN, K. YA., and VAIKULIS, YA. Balance analysis on collective farm. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 2:41-45. Feb. 1966. 30.69 Uc4
- 62822 BIDENKO, D. S. Teaching journal entry system in accounting. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:42-43. Apr. 1966. 30.69 Uc4
- 62823 BLINOV, L. P., and SHUMILOV, N. P. Commercial accounting system and problems of material stimulation on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 2:37-38. Feb. 1966. 30.69 Uc4
- 62824 BOBOSHKO, B. M. Experience in teaching bookkeeping. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:40-41. Apr. 1966. 30.69 Uc4
- 62825 BOCHSBIHLER, K. Introduction to the income-expenditure book for farms. (Ge) For-derungsdienst 13(5):161-169. May 1965. 19 F75
Accounting in Austria.
- 62826 BOT, L. Samarkand initiative. Cent. Asian Rev. 14(1):20-24. 1966. 280.8 C332
Bookkeeping in USSR.
- 62827 BRADY, K. E. How to keep an account. II. Agr. Northern Ireland 40(8):234-238. Dec. 1965. 256.13 Ag82M
- 62828 CLITHERO, W. A. Computers—agriculture's new electronic workhorse. Agr. Banking Financ. 8(2):26B-26D. Mar./Apr. 1965. 284.8 B22
- 62829 DETTWILER, E. Bookkeeping survey of the Swiss Farmer's Secretariat [Schweizerisches Bauernsekretariat]. (Ge) Grune 93(43):1511-1519. (Concl.) Oct. 22, 1965. 17 Sch9
- 62830 DORZHIYEV, D. D. Cost accounting leads to profits. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 61:1-6. Jan. 19, 1965. (JPRS 28,354) 173 J663Tso
Translation from Uchet i Finansy v Kolkhozakh i Sovkhozakh 10:27-30. Oct. 1964.
Issued by CFSTI.
- 62831 ESIN, A. I. Introduction of the commercial accounting system on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 2:30-36. Feb. 1966. 30.69 Uc4
- 62832 FROST, B. S. J. The National Poultry Costing Scheme. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):67-69. Feb. 1966. 10 G79J
A system introduced by National Agricultural Advisory Service, in which farmers keep records.
- 62833 GUISE, J. W. B. Standardization of farm accounts for managerial analysis. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 19, 38 p. 1965. 281.9 L632
- 62834 KUDINOV, I. P. Our experience in centralization of accounting on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:18. Apr. 1966. 30.69 Uc4
Kirghiz SSSR.
- 62835 LARMOUR, T. A. Why keep farm accounts? Agr. Northern Ireland 40(6):164-166. Oct. 1965. 256.13 Ag82M
- 62836 MALYSHEV, I. V. How to study subject "Book-keeping account." (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 4:38-40. Apr. 1966. 30.69 Uc4
- 62837 PRECHTER, T. Kalkulation im Erwerbsgartenbau und ihre betriebswirtschaftliche Auswertung [Calculation in commercial horticulture and its economic utilization], by H. K. Mohring, A. Eurich, G. Lehmann, and W. Stolz. Gart. Berufspraxis 26, 171 p. 1966. 80 G1945
- 62838 RASSLOFF, G. Measures taken towards developing and introducing a uniform system of accountancy and statistics within socialist agriculture. (Ge) Statist. Praxis 21(2):54-55. Feb. 1966. 251.8 St25
- 62839 RHOADE, R. R. Adjusting farm account data for representative research use. Diss. Abs. 26(8):4297. Feb. 1966. 241.8 M58
Michigan.
- 62840 ROY, E. P. Computers in agribusiness. Feed-stuffs 38(8):7, 73-74. Ref. Feb. 26, 1966. 286.81 F322
- 62841 SENGED, T. Questions of internal business accounting at agricultural artels. U. S. Joint Publ. Res. Serv. Transl. Mongolia 99:25-31. Feb. 18, 1966. (JPRS 34,203; TT 66-30644) 173 J663Tmo
Translation from Namyn Am'dral 10:55-60. Oct. 1965.
Issued by CFSTI.
- 62842 UGAROV, YU. O., and ABASHIN, A. A. Plain economic condition in farming. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 2:38-40. Feb. 1966. 30.69 Uc4
Accounting on state farms.
- Costs and Returns
- 62843 AARSETH, B. Importance of reindeer husbandry for Karasjok. (No) Fjell-Nytt 7(1):12-15. Feb. 1966. 410 F58
Returns.
- 62844 AFDAL, L. Is the egg production on the road to "no man's land?" (No) Fjorfe 83(2):28-30. Feb. 1966. 47.8 T432
Flock size and returns.
- 62845 AMERKAHANOV, YU. K. Some problems of the livestock husbandry. (Rus) Sel'skoe Khoz. Tadzh. 10:14-18. Oct. 1965. 20 Se494
Costs.
- 62846 AVILES CORDERO, M., and QUINTERO ALFARO, J. L. Cost of raising heifers for replacements on Puerto Rican dairy farms. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 196, 27 p. Sept. 1965. 100 P83
English summary.
- 62847 BALDONI, R. Forage grains in livestock feeding. (It) Genio Rurale 28(6):451-460. June 1965. 281.8 R522
Cattle feed; includes comparative costs of various forages.
- 62848 BERGMAN, J. H. A review of hothouse tomatoes in 1966. (Du) Groenten Fruit 21 (22, i.e. 32):1455, 1457. Feb. 23, 1966. 80 G89
Costs and returns.
- 62849 BRATTON, C. A. 1965 farm business summary: Chenango County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 409, 24 p. Feb. 1966. 281.9 C81Ae
- 62850 BRATTON, C. A. 1965 farm business summary: Chenango County (Group A). Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 408, 24 p. Jan. 1966. 281.9 C81Ae
- 62851 BRATTON, C. A. 1965 farm business summary: Dutchess County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 426, 23 p. Feb. 1966. 281.9 C81Ae
- 62852 BRATTON, C. A. 1965 farm business summary: Oneida County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 416, 26 p. Feb. 1966. 281.9 C81Ae
- 62853 BRATTON, C. A. 1965 farm business summary: St. Lawrence County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 403, 24 p. Feb. 1966. 281.9 C81Ae
- 62854 BREART, G. The prices of means of production paid by farmers in European countries and in overseas countries that are world exporters of agricultural products. (Fr) Confed. Europe. Agr. Publ. CEA 31:109-132. 1965. 28 C763

- 62855 BROOKE, C. N. An economic evaluation of continuous cereal growing. Chartered Surv. 98(11):583-586. Ref. May 1966. 325.8 C38
Cash crop costs in Great Britain.
- 62856 BULL, A. D. Financial results, East of Scotland farms, 1963-64. Part I-31. Stock raising and feeding farms; Part II-70. Arable farms. Edinb. Sch. Agr. Bull. 82,28 p. Aug.1965. 103 Ed4E
- 62857 CASLER, G. L. 1965 farm business summary, Allegany County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 406,23 p. Feb.1966. 281.9 C81Ae
- 62858 CASLER, G. L. 1965 farm business summary: Chautauqua County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 407,23 p. Feb. 1966. 281.9 C81Ae
- 62859 CASLER, G. L. 1965 farm business summary, Monroe County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 414,23 p. Feb.1966. 281.9 C81Ae
- 62860 CASLER, G. L. 1965 farm business summary, Niagara County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 415,23 p. Feb.1966. 281.9 C81Ae
- 62861 CASLER, G. L. 1965 farm business summary, Orange County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 417,23 p. Feb.1966. 281.9 C81Ae
- 62862 CASLER, G. L. 1965 farm business summary, Wyoming County. Cornell Univ. Coll. Agr. Econ. A. E. Ext. 424,23 p. Feb.1966. 281.9 C81Ae
- 62863 CERVENY, A., and KUCA, S. A contribution to the economics of turkey-breeding. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:187-198. 1964. 281.9 N632
English summary.
- 62864 CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Livestock farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 986, 25 p., map. Oct.1965. 275.29 V81C
- 62865 DLJKSTRA, H. Milking and milk processing. (Du) Loonbedrijf Land- Tuinbouw 18(4):289, 291. Apr.1965. 283.8 L87
Costs and cost savings.
- 62866 DROMIGNY, J. C. Cost of production of market eggs. (Fr) Rev. Elevage 39(spec.no.):125, 127-128,130-132. 1966. 49 B462
- 62867 ENGVALL, W. L. Major profit factors in dairy management. Calif. Agr. 20(1):14-15. Jan.1966. 100 C12Cag
- 62868 ERIKSSON, B. What does it cost to grow strawberries? (Sw) Skaraborgs Lans.Hushallningssallsk. Tidn. 3:53-55. June 1965. 11 Sk1
- 62869 FORENINGEN AF JYDSKE LANDBOFORENINGER. REGNSKABSUDVALGET. Landbrugsregnskaber fra Jyske regnskabskredse, 1964/65 ved A. Soby [Farm records from accounting districts in Jutland, 1964/65, by A. Soby]. Aarhus, 1965. various paging. 11 F76
- 62870 HRMO, V. The effect of levelling of costs of agricultural production on the development of economy of collective farms. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:245-252. 1964. 281.9 N632
English summary.
- 62871 IVANKA, L., BACA, J., and KALAVSKY, M. A contribution to the problem of the effect of acreage of collective farm land on some economic co-efficients of agricultural production. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:177-186. 1964. 281.9 N632
English summary.
- 62872 JACOBSEN, A. Planning roughage production. (Da) Dansk Landbrug 85(3):75-77. Mar.1966. 280.28 V91
Costs and returns from cattle.
- 62873 KAMPHORST, H. The profitability of broiler fattening. (Du) Inzicht 20(2):20-21. Feb.1966. 44.8 In9
- 62874 KIMBALL, N. D. Costs and returns for large Wisconsin dairy herds. Wis. Agr. Exp. Sta. Bull. 579,18 p. Apr.1966. 100 W75
U. S. Department of Agriculture, cooperating.
- 62875 LABUDA, K. Effectiveness of production of collective farms and possibilities of its improvement. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko-Ekon. Fak. Sb. 8:199-216. 1964. 281.9 N632
English summary.
- 62876 LADUE, E. L. 1965 farm business summary, Albany County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 405,25 p. Feb.1966. 281.9 C81Ae
- 62877 LADUE, E. L. 1965 farm business summary: Lewis County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 412,27 p. Feb.1966. 281.9 C81Ae
- 62878 LADUE, E. L. 1965 farm business summary: Otsego County (Burlington and Exeter). Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 402,25 p. Jan.1966. 281.9 C81Ae
- 62879 LADUE, E. L. 1965 farm business summary: Otsego County (Butternuts and Morris). Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 401,25 p. Jan.1966. 281.9 C81Ae
- 62880 LADUE, E. L., and BROWN, J. J. 1965 farm business summary, Herkimer County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 411,25 p. Feb.1966. 281.9 C81Ae
- 62881 LADUE, E. L., DELL, J. C., and ORR, N. L. 1965 farm business summary, Tompkins, Schuyler & Chemung Counties. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 423,25 p. Feb.1966. 281.9 C81Ae
- 62882 LADUE, E. L., and DURNIAK, W. 1965 farm business summary, Schenectady County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 419,24 p. Feb.1966. 281.9 C81Ae
- 62883 LADUE, E. L., and GENGEBACH, W. 1965 farm business summary, Otsego County (combined township groups). Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 418,25 p. Feb.1966. 281.9 C81Ae
- 62884 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFUHRUNGS-GESELLSCHAFT m.b.H. Die Buchfuhrungsergebnisse aus der osterreichischen Landwirtschaft im Jahre 1964 [Accounting results for Austrian agriculture in the year 1964]. Wien, 1965. 129 p. 266 L22Bu
- 62885 LANDOKONOMISKE DRIFTSBUR. Undersogelser over landbrugets driftsforhold. 48. Regnskabsresultater fra danske landbrug i aret 1963-64 [Investigations of farm management conditions. 48. Investigation of Danish farm accounts 1963-64]. 2. Kobenhavn, 1965. 181 p. 11 D414
- 62886 LANDOKONOMISKE DRIFTSBUR. Undersogelser over landbrugets driftsforhold. 49. Regnskabsresultater fra danske landbrug i aret 1964-65 [Investigations of farm management conditions. 49. Investigation of Danish farm accounts 1964-65]. 1. Kobenhavn, 1965. 76 p. 11 D414
- 62887 LARD, C. F., and GODDARD, R. J. Comparison of net returns from growing skip-row vs. solid-row cotton on Ames plantation. Tenn. Farm Home Sci. Progr. Rep. 56:16-18. Oct./Dec.1965. 100 T25F
- 62888 LELY, J. V. D. Changes in the operating costs on farms. (Du) Loonbedrijf Land- Tuinbouw 18(11):817,819,821,823. Nov.1965. 283.8 L87
Labor, contracting, and equipment.
- 62889 LOOMIS, C. W., and DAVIS, L. N. 1965 farm business summary, Ontario County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 431,23 p. Apr.1966. 281.9 C81Ae
- 62890 LOOMIS, C. W., NUFFER, L. G., and TRATTEL, G. C. 1965 farm business summary, Washington County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 432,23 p. Apr. 1966. 281.9 C81Ae

- 62891 LOOMIS, C. W., WRISLEY, M. D., and WOOD, D. 1965 farm business summary, Saratoga County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 430,23 p. Apr.1966. 281.9 C81Ae
- 62892 MARZOLF, W. W. Economic possibilities of commercial swine production in western New York. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 196,21 p. Mar.1966. 281.9 C81A
Chiefly costs and returns.
- 62893 MARZOLF, W. W. 1965 dairy farm business study club; summary: Steuben County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 422,25 p. Mar.1966. 281.9 C81Ae
Costs and returns.
- 62894 MARZOLF, W. W. 1965 farm business summary: Madison County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 399,25 p. Jan.1966. 281.9 C81Ae
- 62895 MARZOLF, W. W. 1965 farm business summary: Oswego County. Cornell Univ. Coll. Agr. Dept. Agr. Econ. A. E. Ext. 400,25 p. Jan.1966. 281.9 C81Ae
- 62896 MARZOLF, W. W. 1965 farm business summary, Yates County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 425,25 p. Feb. 1966. 281.9 C81Ae
- 62897 MCCOY, J. H., and WAKEFIELD, H. D. Economics of scale in farm cattle feedlots of Kansas—an analysis of nonfeed costs. Kans. Agr. Exp. Sta. Tech. Bull. 145,38 p. Jan.1966. 100 K13S
Budget method of analysis used.
- 62898 MUELLER, A. G. Economics of narrow-row culture. Amer. Soc. Agr. Eng. Pap. 654,6 p. 1965. 290.9 Am32P
Costs.
- 62899 NODLAND, T. R. 1963 annual report of the Southeastern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 275,25 p.,map. June 1964. 281.9 M66
Costs and returns.
- 62900 NODLAND, T. R. 1963 annual report of the Southwestern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 276,24 p.,map. June 1964. 281.9 M66
Costs and returns.
- 62901 NODLAND, T. R. 1964 annual report of the Southeastern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 280,25 p.,map. June 1965. 281.9 M66
Costs and returns.
- 62902 NODLAND, T. R. 1964 annual report of the Southwestern Minnesota Farm Management Service. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 281,24 p.,map. June 1965. 281.9 M66
Costs and returns.
- 62903 NODLAND, T. R., CULLEN, M., and SMITH, R. E. 1964 report of the Farm Management Service for Vocational Agriculture in West Central Minnesota. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 279,24 p. Apr.1965. 281.9 M66
Costs and returns.
- 62904 NODLAND, T. R., SMITH, R. E., and CULLEN, M. 1963 report of the Farm Management Service for Vocational Agriculture in West Central Minnesota. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 273,25 p.,map. Mar. 1964. 281.9 M66
Costs and returns.
- 62905 OLIVER, G. D., and HOGSTROM, A. W. The 1965 Ord River cotton crop. West. Australia. Dep. Agr. J. (ser.4)7(1):32-35,38-42. Jan. 1966. 23 W52J
Chiefly costs and returns.
- 62906 PEDERSEN, S. Management accounts and animal husbandry economy. (Da) Tolvmands-bladet 37(10):501-505. Oct.1965. 11 T58
Returns.
- 62907 PEDERSEN, S. Swine husbandry in Denmark. (Da) Alt Nyeste Landbrug, Havebrug, Hus-holdning 12:166-183. 1965. 33.11 AL7
Chiefly returns.
- 62908 POLOVENKO, I. Meadows and pastures as the cheapest sources of fodder. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:82-91. June 16,1965. (JPRS 30,640) 173 J663Tso
Includes hay costs.
Translation from Ekonomika Sel'skogo Kho-zyaystva 2:12-18. Feb.1965.
Issued by CFSTI.
- 62909 POTYONDI, L. Is the soybean production eco-nomical? (Hu) Magyar Mezogazdasag 21(7): 22. Feb.16,1966. 19 M27
- 62910 RAO, M. K. Wealth from bananas;Orissa panchayat's success. Kurukshetra 14(4):29-30. Jan.1966. 281.28 K96
- 62911 REIMERS, H. Marginal share and special cost-free gross product in education and ex-tension. 2. (Ge) Betriebswirtsch. Mitt. Wirt-schaftsberater 137:9-13. Feb.15,1966. 281.8 B462
- 62912 RICCI, A. Production costs of the Ravenna Livestock Estate. 1. Grain production cost. (It) Romagna Agr. Zootec. 51(1):3-11. Jan. 1966. 16 R66
- 62913 SADASIVAN, G. Further developments on the index of cost of cultivation. Indian J. Agr. Econ. 20(4):83-88. Oct./Dec.1965. 281.8 In2
- 62914 SAMVIRKENDE JYDSKE HUSMANDSFOREN-INGER. DRIFTSOKONOMIDUVALGET. Land-brugs regnskaber [Farm accounts], 1964-65, by P. K. Hansen. n.p., 1965. 184 p. 30.69 Sa4
Costs and returns.
- 62915 SAVAGE, Z. Thirty-three years of citrus costs and returns in Florida, 1931-1964. Fla. Univ. Ext. Econ. Ser. 66-2,24 p.,map. Mar. 1966. 275.29 F66Ag
- 62916 SENN, H. Profitability of cotton culture in central Africa (Cameroun, Central Africa, Chad). (Fr) Cameroun Agr. Past. Forest. 87: 44-56. May 1965. 24 C353
- 62917 SINGH, K., and HRABOVSKY, J. P. An eco-nomic analysis of bullock labour use on Delhi farms. Indian J. Agr. Econ. 20(4):17-28. Oct./Dec.1965. 281.8 In2
- 62918 SMITH, R. S., and WILDE, E. 1965 farm busi-ness summary, Sullivan County. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 404,23 p. Jan.1966. 281.9 C81Ae
- 62919 STANTON, B. F., and HAZELL, P. Costs of harvesting sugar beets; a first year of experi-ence, central New York, 1965. Cornell. Univ. Coll. Agr. Dep. Agr. Econ. A. E. Ext. 433,12 p. Apr.1966. 281.9 C81Ae
- 62920 STUBBS, W. C. More calves for bigger prof-its. Queensland Agr. J. 92(2):66-72. Feb. 1966. 23 Q33
Costs and returns.
- 62921 SUTER, R. C. Forage crops: harvesting. Ind. Agr. Exp. Sta. Res. Progr. Rep. 218,30 p. Ref. Apr.1966. 100 In2Res
Research on alternative methods and costs.
- 62922 VEGTE, W. V. D. Financial results. (Du) Neth. Rijkslandbouwconsul. Utrecht. Bedrijfs-voorlichting Jaarnummer 1965:2-5. 12 N3833J
Livestock farms.
- 62923 WALCH, H. N., and NODLAND, T. R. Feeder cattle costs and returns 1962-1963. Minn. Univ. Inst. Agr. Dep. Agr. Econ. Rep. 277, 25 p. July 1964. 281.9 M66
- 62924 WALCH, H., and NODLAND, T. Summary re-port of the various farm management services in Minnesota for 1963. Minn. Univ. Inst. Agr. Dept. Agr. Econ. Rep. 278,23 p. Oct.1964. 281.9 M66
Costs and returns.
- 62925 ZUFFEREY, M. Profitability of Valais moun-tain pastures. (Fr) Agr. Romande (ser.B.)4 (9):66-67. Sept.1965. 17 Ag8
Milk costs and returns.

Land Settlement and Colonization

- 62926 CARROZZA, A. Italian way of internal colonization. (It) Riv. Diritto Agr. 44(1/2,pt.1):69-84. Jan./June 1965. 16 R524
English summary.
- 62927 CLOUGH, R. H. Some notes on a recent economic survey of land settlement in Kenya. East Afr. Econ. Rev. (n.s.)1(3):78-83. Dec. 1965. 280.8 Ea74
- 62928 HONG KONG, DISTRICT COMMISSIONER, NEW TERRITORIES. Annual departmental reports 1964-65. Hong Kong, 1965. 44 p. 280.9 H753
Settlement.
- 62929 JORDAN, T. G. A geographical appraisal of the significance of German settlement in nineteenth-century Texas agriculture. Diss. Abs. 26(9):5364. Mar.1966. 241.8 M58
- 62930 SCHNEITER, P. A human joint enterprise. (Fr) Mediterranée 6:117-124. Apr./June 1965. 281.8 M462
English summary.
Refugee settlement; includes rural areas.
- 62931 SINGH, S. We must get the best out of newly irrigated areas. Yojana 10(6):9-10. Apr.3, 1966. 280.8 Y7
Land settlement in India.
- 62932 STOUSE, P. A. D. Agricultural settlement in former Costa Rican banana regions. Diss. Abs. 26(9):5364-5365. Mar.1966. 241.8 M58
- 62933 WOLFF, G. The slavocracy and the homestead problem in 1854. Agr. Hist. 40(2):101-112. Ref. Apr.1966. 30.98 Ag8
Homestead Bill of 1854.
- Land Tenure
- 62934 ADAM, F. H. Contribution of land tenure structures to agricultural development in Sudan through incentives, knowledge and capital. Diss. Abs. 26(9):5081-5082. Mar.1966. 241.8 M58
- 62935 ALBUQUERQUE, J. A. DE. The agrarian reform carried out by the Cotia cooperative. (Por) Arco-Iris 13(86):9-10. Apr.1965. 280.28 Ar2
- 62936 ALEXANDER, D. J. Inheritance, sale, conacre and leases are factors producing changes in farm structure. Agr. Northern Ireland 40(2):42-45. June 1965. 256.13 Ag82M
Chiefly inheritance and sale of farms.
- 62937 ALLENGER, D. E. The agrarian reform in Latin America. (Sp) Ext. Amer. 11(1):13-19. 1966. 275.249 Ex8
- 62938 BASTOS, H. Brazilian agrarian reform and land statute. (Por) Brazil. Conselho Nac. Econ. Rev. 14(1):26-43. Jan./Apr.1965. 280.9 B735R
- 62939 BLEDSOE, S. Pasture deals that can pay. Cattleman 52(11):35. Apr.1966. 49 C29
Clauses to put into contracts for expanding grazing operations with leased cattle.
- 62940 BOE, P. The distribution of land problem in agriculture. (Du) Tidsskr. Landokon. 9:359-371, map. Nov.1965. 11 T43
Consolidation of holdings.
- 62941 BURIANYK, Z. W. Agrarian reform measure in Chile. Can. Dep. Agr. Econ. Br. Agr. Abroad 21(1):34-38. Feb.1966. 281.9 C1642A
- 62942 CALAN, L. DE. Opposition to renewal of lease for an aged tenant. (Fr) Agr. Prat. 130(2):40-41. Feb.1966. 14 J82
- 62943 DELAHUNTY, E. Farmers' rights against trespassers; penalties are normally not severe. New Zeal. J. Agr. 112(2):65. Feb.1966. 23 N48J
- 62944 DUIN, R. H. A. VAN. Research on physical planning of rural regions. (Du) Landbouwkundig Tijdschr. 76(20):900-928, map. Ref. Nov. 1964. 105.2 Or3
English summary.
Includes tenure and use.
- 62945 DULY, L. C. British land policy at the Cape, 1795-1844. Diss. Abs. 26(8):4602. Feb.1966. 241.8 M58
Grants and tenure.
- 62946 ELEFSON, R. V. Economics of agricultural leasing. Diss. Abs. 26(9):5084. Mar.1966. 241.8 M58
- 62947 FOAG, A. The small garden and small leased land law. (Ge) Recht Landwirt. 18(2):29-32. Feb.1966. 30.58 R24
History.
- 62948 GALLONI, G. The communion of purpose in agricultural contracts. (It) Riv. Diritto Agr. 44(1/2,pt.1):85-163. Jan./June 1965. 16 R524
English summary.
- 62949 HEIMPEL, C. Land tenure in Latin America. (Ge) Z. Ausländische Landwirt. 4(3):244-260. Aug.1965. 281.8 Z32
English summary.
- 62950 HULTEN, J. J. Land reform in Hawaii. Land Econ. 42(2):235-240. Ref. May 1965. 282.8 J82
- 62951 ILIE, N., LITVIN, M., and BURCEA, A. The correlation of land reallocation and reclamation works in the dammed enclosures of the Bucharest region. (Rum) Probl. Agr. [Bucharest] 17(6):29-36, map. June 1965. 21 R862
- 62952 JACOBY, E. H. Prospects of the world congress of agrarian reform in 1966. (Fr) Int. Arch. Sociol. Coop. 18:160-167. July/Dec.1965. 280.28 Ar22
- 62953 MEIJERMAN, G. C. Land consolidation and linear programming. (Du) Landbouwkundig Tijdschr. 76(20):975-989. Ref. Nov.1964. 105.2 Or3
English summary.
- 62954 MILANO, G. Landed property and infrastructures; terminology, classification, survey. (It) Riv. Econ. Agr. 20(2/3):9-52. 1965. 281.8 R52
English summary.
Includes discussion with introduction by U. Sorbi.
- 62955 MITIC, N. Tendencies in procurement of land by the socialized sector. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:37-48. Mar.22,1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Leasing land in Yugoslavia.
Translation from Produktivnost 1:12-16. Jan. 1966.
Issued by CFSTI.
- 62956 MULLER, P. On the forms of land tenure and types of holdings in African agriculture. (Ge) Z. Ausländische Landwirt. 4(3):261-277. Ref. Aug.1965. 281.8 Z32
English summary.
- 62957 OSTERHOUDT, F. H., and CONKLIN, H. E. Renting of land by part-owner farmers in central New York. N. Y. (State) Agr. Exp. Sta. Bull. 1006, 56 p., map. Apr.1966. 100 N48
- 62958 OZAKI, Y. The land struggles in English revolution. I. What the parties aimed at in 1940-60. Kyoto Univ. Econ. Rev. 35(1):42-80. Ref. Apr. 1965. 280.8 K99
- 62959 PETROCCHI, G. Capitalist societies, land ownership. (It) Riv. Polit. Agr. 13(1):33-38. Mar.1966. 281.8 R523
Cooperatives.
- 62960 RIGHOLT, J. W. Parcelation problems of farms with increasing mechanization. (Du) Landbouwkundig Tijdschr. 76(20):929-942. Ref. Nov.1964. 105.2 Or3
English summary.
Fragmentation and labor.
- 62961 SAJA, F. Limits of the agrarian reform policy. (It) Prog. Agr. [Bologna] 12(1):39-44. Jan. 1966. 58.8 P94
- 62962 SCAMMELL, W. S. The law of agricultural holdings; some notes on recent cases. Chartered Surv. 97(8):428-430. Feb.1965. 325.8 C38
Tenancy.

- 62963 SETTLE, M. B. To own or rent a home. Va. Polytech. Inst. Ext. Leaf. 215, 3 p. Dec. 1965. 275.29 V81L
- 62964 SHARMA, P. S. Study of the structural and tenurial aspects of rural economy in the light of 1961 census. Indian J. Agr. Econ. 20(4):46-82. Oct./Dec. 1965. 281.8 In2
- 62965 SHIMAZU, Y. Shin nochiho no horitsu chishiki [Legal knowledge of the new agricultural land law]. Tokyo, Ikueido, 1965. 353 p. HD1167.S5
- 62966 SKARD, T. A renting contract from Svelvik Nursery 1894. (No) Norsk Planteskolelag 11: 5-8. 1965. 86 N812
- 62967 SORBI, U. Land rearrangement and productive size. (It) Prog. Agr. [Bologna] 11(11):1087-1090. Nov. 1965. 58.8 P94
- 62968 SUHR, K. Tenancy in Danish agriculture. Chartered Land Agents' Soc. J. 65(3):106-111. Mar. 1966. 282.9 L22
Farms.
- 62969 THOMPSON, J. G. A new landlord tenant relationship. Chartered Land Agents' Soc. J. 65(4):149-152. Apr. 1966. 282.9 L22
Legal aspects in Great Britain.
- 62970 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. Progress in land reform; fourth report. Chapters I-II. n.p., 1965. 226 p. Ref. (Its E/4020) 282.9 Un3
- 62971 AL-YASIRI, K. A. The agrarian reform law of 1958: a catalyst for economic and social development in Iraq. Diss. Abs. 26(9):5082. Mar. 1966. 241.8 M58
- Land Utilization
- 62972 AUSTIN, M. E. Land resource regions and major land resource areas of the United States, exclusive of Alaska and Hawaii. U. S. D. A. Agr. Handbook 296, 82 p., map. Ref. Dec. 1965. 1 Ag84Ah
- 62973 BARBERIS, C. The Appennines of Emilia: livestock reconversion or abandonment? (It) Previdenza Soc. Agr. 16(5):383-386. Sept./Oct. 1965. 281.8 P92
English summary, p. 355.
- 62974 BLAIR, L. F. Changing Cape Cod's future face. Landscape Architect., July 1965:272-274, map. 80 L23
Zoning.
- 62975 BONNAL, C. Land development in Corsica. (Fr) Avenir Agr. 6:5-9. Nov./Dec. 1965. 14 Av32
- 62976 BRAGA, V. L. The dynamics of type of crop in Vicenza. (It) Agr. Venezia 19(6):289-306. June 1965. 16 Ag826
Land use.
- 62977 COOK, N. R. Effects of upstream flood protection on land use in the upper Washita River Basin, Oklahoma. Diss. Abs. 26(3):1386. Sept. 1965. 241.8 M58
- 62978 FRANDSEN, E. Tee room for St. George. Our Publ. Lands 15(4):7-8. Spring 1966. 156.55 Ou7
Town-country planning; utilization of public lands in Utah.
- 62979 GIBSON, W. L. Zoning and land use planning in rural Virginia. Va. Univ. News Lett. 42 (8):29-32. Apr. 15, 1966. 280.9 V815
- 62980 HENDERSON, U. B. An economic analysis of the waterfowl resource of the Swan Lake National Wildlife Refuge and the impact upon the rural community. Diss. Abs. 26(9):5077. Mar. 1966. 241.8 M58
Effects on income and land values.
- 62981 HERWEIJER, S. Consolidation of holdings in the city border. (Du) CMC (Coop. Melkcent.) 21(6):94, 96. June 19, 1965. 44.8 C11
Planning.
- 62982 JAMES, G. An economic appraisal of the use of hills and uplands for forestry and agriculture respectively. Farm Econ. [Oxford] 10(12): 497-506. 1965. 281.8 F223
In Wales.
- 62983 KONGSVIK, R. Only the land can provide bread; utilization of our land resources. (No) Norske Myrselsk. Medd. 63(5):137-143. Oct. 1965. 11 N813
- 62984 LE LOC. The problem of agricultural crop zoning in the North. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 10: 93-100. Nov. 9, 1965. (JPRS: 32,783; TT: 65-33361) 173 J663Th
Translation from Hoc Tap 10:54-58. Oct. 1965.
Issued by CFSTI.
- 62985 MEIGS, P. Geography of coastal deserts. UN Educ. Sci. Cult. Organ. Arid Zone Res. 28, 140 p., map. 1966. 278.9 Un3
Bibliography, p. 134-140.
Includes land use.
- 62986 MICHALET, D. Adaptation of mountain farmers to touristic activities. (Fr) Rev. Franc. Agr. 12:44-52. Spring 1966. 281.8 R328
Use land for recreation.
- 62987 MURAUSKAS, G. Land improvement work in Lithuanian SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:8-9. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from Sovetskaya Litva, April 3, 1965:3.
- 62988 NEWCOMB, L. S. Implementation of the Land and Water Conservation Fund Act of 1965. Ala. Forest Prod. 9(4):12-14. Apr. 1966. 99.82 AL1
- 62989 NGHYEN THIEN VY. Initial results of movement to mobilize lowland compatriots to participate in economic and cultural development of mountain areas. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:59-79. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Land utilization.
Translation from Nghien-cuu Kinh-te 25:27-34, 38. Feb. 1965.
Issued by CFSTI.
- 62990 OLSEN, O. B. The cultivation of virgin land task and Selskapet Ny Jord [Society New Land]. (No) Ny Jord 52(5):190-194. Oct. 1965. 282.28 N98
- 62991 RALSTON, R. A. An economic evaluation of land use alternatives in Dent County, Missouri. Diss. Abs. 26(9):5088. Mar. 1966. 241.8 M58
- 62992 REGE, N. D. Development of hilly areas. Indian Farming 15(6):35. Sept. 1965. 22 In283
- 62993 ROLLINS, L. J. Rural views—town plans. N. Y. State Planning News 30(2):6, 14. Mar./Apr. 1966. 280.7 N481
Farmer's viewpoint on zoning.
- 62994 ROMEO, A. Land use for the lower Colorado river. Colo. River Water Users' Ass. Proc., 21st Annu. Meeting: 27-31. 1965. 292.9 C712
Includes tenure and recreational use.
- 62995 ROYAL INSTITUTION OF CHARTERED SURVEYORS. WORKING PARTY. The role of the chartered surveyor in town and country planning; report. Chartered Surv. 98(10):537-540. Apr. 1966. 325.8 C38
A. D. G. Smart, chairman.
- 62996 RUDBECK, J. P. Economic impact of outdoor recreation, a case study in Washington County. Maine Farm Res. 13(4):33-36. Jan. 1966. 100 M28Ma
- 62997 SANIN VILLA, G. Plan for the intensive utilization of vast regions of Colombia that are now ineffectively used. (Sp) Rev. Nac. Agr. 57 (722):43-45, map. (Cont.) June 1965. 9.4 R32
- 62998 SCHMITZ, A. Agricultural resource-use efficiency in north western Saskatchewan. Can. J. Agr. Econ. 13(2):34-46. 1965. 281.8 C16
Thesis (M.S.)—Saskatchewan University.
Management and policies.

- 62999 SKIRVANEK, F. The impact of Hawaii's landscape laws. *Landscape Architect.*, July 1965: 264-266, map.
Land-use zoning.
- 63000 STAMP, SIR D. Too many people? 1. The right use of the world's lands. *Progress* [London] 51(285):16-21. Mar. 1965. 280.8 P949
- 63001 STEFENELLI, F. Tourism in the national parks and in the Gran Paradiso Park [Parco Nazionale Gran Paradiso]. (It) *Agricoltura* 14(2):83-92. Feb. 1965. 16 Ag8226
- 63002 STRONG, D. C. Economic appraisal of land and water resource projects in less developed countries. *Diss. Abs.* 26(8):4297-4298. Feb. 1966. 241.8 M58
- 63003 SUZUKI, F. An economic study of land utilization. I. Scope of economic land classification research in the United States. (Ja) *Tohoku Nat. Agr. Exp. Sta. Bull.* 31:107-144, map. Ref. Mar. 1965. 107.6 M822
English summary.
- 63004 TRUONG-NGOC. About agricultural production in the midlands and highlands. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 10:101-109. Nov. 9, 1965.
(JPRS: 32,783; TT: 65-33361) 173 J663Th
Land utilization.
Translation from Hoc Tap 10:59-64. Oct. 1965.
Issued by CFSTI.
- 63005 U. S. FOREST SERV. How the U. S. Department of Agriculture provides year-round fun on farm & forest. U. S. D. A. PA-720, 6 p. Ref. Mar. 1966. 1 Ag84Pro
- 63006 VOL'NOV, YU. V. Preserve our land resources. (Rus) *Uchet Finansy Kolkhoz. Sov-khoz.* 4:27. Apr. 1966. 30.69 Uc4
Utilization.
- 63007 WALSER, P. Opportunities from ranch recreation projects. *Cattleman* 52(10):35, 52, 54. Mar. 1966. 49 C29
Texas.
- 63008 YAMAMOTO, S., and MASAI, Y. Rural and urban land uses of the Shimizu area in central Japan; a geographic study on the modernization of a region. *Tokyo. Univ. Educ. Sci. Rep. Sect. C*, 9(83/84):17-66, map. Ref. Mar. 10, 1965. 513 T578C
- Land Values and Valuation
- 63009 BARROS, H. DE. Brief note on the appraisal of rural property by capitalization of income. (Por) *Agros* [Lisboa] 48(1/2):51-61. Jan./Apr. 1965. 15.5 Ag82
English summary.
- 63010 BIXIO, M. Principles of appraisal in the Holy Scriptures. (It) *G. Agr.* 76(9):93. Feb. 27, 1966. 16 It1G
- 63011 DONEY, F. R. Condemnation appraisal of farm and ranch property. *Rural Realtor* 17(11):2. Nov. 1965. 282.8 R88
- 63012 EASLEY, C. H. The market data or comparable sales approach—how good are our data? *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):34-40. Apr. 1966. 281.8 Am32
Farm appraisal.
- 63013 EVERETT, C. H., and others. Professional techniques recommended in the use of the market data approach. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):108-111. Apr. 1966. 281.8 Am32
C. A. Bresnahan, E. E. Henry, J. M. McNair, F. Nisley, W. D. Davis, W. A. Tubbs, C. H. Easley, H. J. Garrett, L. V. Heid, and H. A. Scott, joint authors.
- 63014 FAZIO, S. DL. Analysis of a value judgement in the revision of emphyteusis rents. (It) *Tec. Agr.* 16(3/4):142-149. May/Aug. 1964. 16 T22
- 63015 MICHEL, I. Appraisals inherent in condominiums. (It) *Genio Rurale* 29(2):147-152. Feb. 1966. 281.8 R522
- 63016 MUIR, B. C. M. Farm valuation. *J. Agr.* [Melbourne] 64(1):11-17. Jan. 1966. 23 V66J
- 63017 MURRAY, W. G., and FARDI, M. A. Iowa farm values rise 10 percent in '65. *Iowa Farm Sci.* 20(8):3-4, map. Feb. 1966. 275.28 I094
- 63018 NELSON, T. R. An econometric model of the land market stressing effects of government programs on land values. *Diss. Abs.* 26(3): 1392. Sept. 1965. 241.8 M58
- 63019 PARCHER, L. A. Federal revenue stamps as an indicator of land prices. *Okla. Curr. Farm Econ.* 39(1):10-15. Mar. 1966. 100 Ok4
To estimate market value of property.
- 63020 PILMER, C. L., STALCUP, H. E., and MAXWELL, G. I. Example appraisal. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):6-22, map. Apr. 1966. 281.8 Am32
- 63021 REISS, F. J. The economic environment of rural appraisals or some characteristics of the current farmland market. *Amer. Soc. Farm. Managers. Rural Appraisers. J.* 30(1):57-61. Apr. 1966. 281.8 Am32
- 63022 SZKILLADZ, J. A quick appraisal of a farm during an inspection. (Pol) *Nowe Roln.* 13(12): 26-27. June 16/30, 1964. 20.5 N86
- 63023 THOMPSON, A. C. Barometer for long-term land investors. *Rural Realtor* 17(8):3. Aug. 1965. 282.8 R88
Land values.
- 63024 WALDSTEIN, A. F. Farm plan for example appraisal. *Amer. Soc. Farm. Managers Rural Appraisers. J.* 30(1):41-56. Apr. 1966. 281.8 Am32
- 63025 ZUCCONI, G. On the degree of approximation of appraisals. (It) *Genio Rurale* 28(5):361-366. May 1965. 281.8 R522
- POPULATION
- 63026 CALZECCHI-ONESTI, A. Problems of the age. I. The senescence of agriculture. (It) *Ital. Agr.* 103(2):111-114. Feb. 1966. 16 It1
Aging farm population.
- 63027 CHOLDIN, H. M. Exploratory research on family planning in villages. *Pakistan Acad. Rural Develop. J.* 5(2):70-77. Oct. 1964. 281.29 P17
Program in relation to attitudes and culture.
- 63028 COSCIA, A. A. La desocupacion y el exodo en el medio rural [Unemployment and the rural exodus]. *Pergamino. Estac. Exp. Agropecuar. Inform. Tec.* 44, 10 p. Aug. 1965. 102.5 P413
- 63029 DIFIDENTI, G. A. Qualified labor for agriculture. (It) *Riv. Polit. Agr.* 13(1):58-60. Mar. 1966. 281.8 R523
Rural exodus.
- 63030 FAUSTINI, G. Agricultural exodus, rural exodus. (It) *Riv. Econ. Agr.* 21(1):42-54. 1966. 281.8 R52
English summary.
- 63031 GARCIA ISIDRO, M. Castile is becoming depopulated. (Sp) *Agricultura* [Madrid] 35(406): 68-69. Feb. 1966. 15 Ag84
Rural exodus.
- 63032 HAUSER, A. Destiny and tasks of farm population in the industrial society. (Ge) *Agrar-polit. Rev.* 22(6):225-240. Feb. 1966. 281.8 Ag824
Includes farming as an occupation and public relations in agriculture.
- 63033 HERLIHY, D. Population, plague and social change in rural Pistoia, 1201-1430. *Econ. Hist. Rev.* (ser. 2) 18(2):225-244. Ref. Aug. 1965. 277.8 Ee7
Rural-urban migration.
- 63034 HORSTMANN, K. Rural-urban migration of the E.E.C. countries in the mirror of statistics. (Ge) *Raumforsch. Raumordnung* 24(1):1-8, map. Jan. 1966. 282.9 R19
- 63035 MELILLI, G. What this phenomenon of the rural exodus means. (It) *Agr. Italia* 11(10): 31-35, 37-39, 41-43. Oct. 1965. 16 Ag8232

- 63036 PARR, J. B. Outmigration and the depressed area problem. *Land Econ.* 42(2):149-159. Ref. May 1966. 282.8 J82
- 63037 RAJAN, K. S. S. India's population problem. *Planters' Chron.* 60(23):452-455. Dec.1,1965. 22 P693
- 63038 RAZZELL, P. E. Population change in eighteenth-century England; a reinterpretation. *Econ. Hist. Rev.* (ser.2)18(2):312-332. Ref. Aug.1965. 277.8 Ec7
Includes mortality and changes in rural areas.
- 63039 SEN GUPTA, B. City lights—or darkness? *Yojana* 10(6):13-14,27. Apr.3,1966. 280.8 Y7
Urbanization in India.
- 63040 SINCLAIR, R. O., and TEFFT, F. S. Off-farm migration and farm consolidation in central Vermont, 1953-63. *Vt. Agr. Exp. Sta. Bull.* 647,52 p.,map. Ref. Dec.1965. 100 V59
In relation to land use changes, socio-economic conditions of migrating and remaining farmers, and the community tax base.
- 63041 VICICONTE, T. The rural exodus. (It) *G. Agr.* 76(16):176. Apr.17,1966. 16 It1G
- RURAL SOCIAL ORGANIZATION**
- 63042 BEDDEGENOODTS, M. Attitude of the Flemish farmer with regard to his social situation. (Fr) *Sociol. Ruralis* 5(2):112-120. 1965. 281.29 So12
English summary.
- 63043 CARVALHO, A. DE., and others. Essay of medical-social study of rural communities. I. The Alentejan village of Granja de Mourao. (Por) *Agros [Lisboa]* 47(4):323-358, map. Ref. July/Aug.1964. 15.5 Ag82
G. J. Janz, C. S. Reis, G. L. Pinto, M. Lopes da Costa, and R. C. Pinhao, joint authors.
English summary.
- 63044 GRIFFEN, W. B. Changing Indian societies in north-central colonial Mexico. *Diss. Abs.* 26(3):1281. Sept.1965. 241.8 M58
- 63045 HASEGAWA, K. Changing home living pattern of the family farm. (Ja) *Tohoku Nat. Agr. Exp. Sta. Bull.* 31:145-161. Mar.1965. 107.6 M822
English summary.
- 63046 HOLDEN, D. E. W. The scientific method in the social sciences. (Sp) *Ext. Amer.* 11(1):3-7. (Cont.) 1966. 275.249 Ex8
- 63047 MARSHALL, G. A. Women, trade, and the Yoruba family. *Diss. Abs.* 26(3):1282-1283. Sept.1965. 241.8 M58
Nigeria.
- 63048 MORRIS, H. W. The Grass Koiari—change and progress. *Australian Ter.* 5(6):39-48, map. Nov.1965. 280.8 Au77
Land tenure and inheritance and the effect of the Sirinumu Dam Project on culture and economy.
- 63049 RODGERS, W. B. The wages of change: an anthropological study of the effects of economic development on some Negro communities in the Out Island Bahamas. *Diss. Abs.* 26(8):4169-4170. Feb.1966. 241.8 M58
- 63050 SPIELBERG, J. San Miguel Milpas Altas: an ethnographic analysis of interpersonal relations in a peasant ladino community of Guatemala. *Diss. Abs.* 26(8):4170-4171. Feb.1966. 241.8 M58
- 63051 STEFANI, A. DE'. Rural people in the social hierarchy. (It) *G. Agr.* 76(12):127-128. Mar.20,1966. 16 It1G
- 63052 TODD, V. S. Growing up with agriculture. New York, Vantage Press, 1965. 73 p. S417.T6
- 63053 WANG, H. C. Rural class line during socialist period. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (*Econ. Res.*) 10:56-71. Dec.20,1965. (JPRS 33,403; TT 65-33977; 173 J663Trf
Translation from Ching Chi Yen Chiu 10:24-30. Oct.20,1965.
Issued by CFSTI.
- 63054 WHITEMAN, J. The function of food in society. *Nutrition* 20(1):4-8. Spring 1966. 389.8 N959
Includes Trobriand Islands.
- 63055 ZANNINI, G. L. M. The wedding of the pork. (It) *Suincoltura* 6(10):45-47. Oct.1965. 46.8 Su3
- 63056 ZWEENS-WIERSEMA, A. C., and ZWEENS, J. A qualifying remark on the application of scale analysis by Levesque and Brohier. *Sociol. Ruralis* 5(2):149-153. 1965. 281.29 So12
In rural sociological research; includes reply by A. Levesque and M. Brohier.
- Human Ecology**
- 63057 BUNDESVEREINIGUNG DER KOMMUNALEN SPITZENVERBANDE. Zentrale Orte [Central sites]. Koln-Marienburg, 1965? 16 p. HT169.G3B8
Regional planning.
- 63058 CLEVY, M. DE P. Trade and regional planning. (Fr) *Cooperation* 36(2):32-33. Feb.1966. 280.28 C7845
- 63059 FRIEDMANN, J. Poor regions and poor nations: perspectives on the problem of Appalachia. *Southern Econ. J.* 32(4):465-473. Apr. 1966. 280.8 So84
- 63060 GLEAVE, M. B. The changing frontiers of settlement in the uplands of Northern Nigeria. *Nigerian Geogr. J.* 8(2):127-141, map. Ref. Dec.1965. 331.8 N56
Includes tribes.
- 63061 HOU, H. Y., and others. Suggestions on the lines of development for agriculture, forestry, husbandry, subsidiary industry and fishery in the various natural zones in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 58:1-44. June 8,1965. (JPRS 30,478) 173 J663Tcf
S. Chiang, C. T. Ch'en, and S. C. Hu, joint authors.
Translation from K'o Hsueh T'ung Pao 9:8-26. Sept.17,1964.
Issued by CFSTI.
- 63062 HSU, K. H., and HOU, C. C. Observations on the article by Mr. Hou Hsueh-yu and others entitled "Suggestions on the lines of development for agriculture, forestry, husbandry, subsidiary industry and fishery in the various natural zones of China." U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 58:45-53. June 8,1965. (JPRS 30,478) 173 J663Tcf
Translation from K'o Hsueh T'ung Pao 2:146-149. Feb.17,1964.
Issued by CFSTI.
- 63063 KANNENBERG, E. G. Methodology of estimating centers and bases for determining promotion measures. (Ge) *Bad Godesberg. Inst. Raumforsch. Inform.* 15(13):393-403. July 15, 1965. 280.9 B6431
- 63064 KLIMOV, A. The cooperators' urgent task U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93:9-19. Sept.7, 1965. (JPRS 31,883; TT 65-32377; CSO 1840-S) 173 J663Tro
Villages and marketing.
Translation from Sovetskaya Potriebitel'skaya Kooperatsiya 6:4-11. June 1965.
- 63065 LARSON, N. G. Planning in rural areas; a list of selected references. Washington, U. S. Nat. Agr. Lib., 1965. 4 p. VF Bibliogr.
Typewritten.
- 63066 LOEWEN, J. A. From nomadism to sedentary agriculture. *Amer. Indig.* 26(1):27-42. Jan. 1966. 446.9 In8A
Mexico.
- 63067 NIEDERFRANK, E. J., and JAHNS, I. R. Development defined. *Ext. Serv. Rev.* 37(3):14-15. Mar.1966. 1 Ex892Ex
Communities.
- 63068 PALLAVICINI, G. Methods of calculating and verifying profit indexes in regional planning. (It) *Riv. Econ. Agr.* 20(2/3):418-464. 1965. 281.8 R52
English summary.
Includes discussion with introduction by G. Orlando.

- 63069 PIEDOUE D'HERITOT, H. DE. Regional planning. I. The means. (Fr) Agr. Prat. 130(2): 21-26, map. Feb. 1966. 14 J82
- 63070 ROSENBAUM, H., and BERNSDORFF, M. Die erforderliche Grundausrustung bayerischer Landgemeinden [The necessary basic utilities of Bavarian rural communities]. Agrarsoz. Fes. Materialsamml. 35, 165 p. Aug. 1964. 281.9 Ag862M
- 63071 SPARENBURG, G. A. Opening up of parcels in strip allotments. (Du) Landbouwkundig Tijdschr. 76(20):958-974. Nov. 1964. 105.2 Or3 Investments and returns.
- 63072 SPITZER, H. Farm planning under the influence of regional conditions: a contribution to the methodology of regional planning. (Ge) Raumforsch. Raumordnung 24(1):9-24, map. Ref. Jan. 1966. 282.9 R19
- 63073 SPITZER, H. Regional agriculture as a current field of effort. (Ge) Diplomlandwirt 4:93-94. Apr. 1966. 18 D62 Planning.
- 63074 STERNSTEIN, L. Settlement patterns in Thailand. J. Trop. Geogr. 21:30-43, map. Dec. 1965. 331.8 M29
- Institutions
- 63075 ALVES, V. M. Management and extension centers in agriculture. (Por) Granja [Lisboa] 24 (3/4):113-123. July/Dec. 1965. 15.5 G76
- 63076 ANDERSON, D. L. A comparative descriptive analysis of first-year agriculture short course and degree students at Michigan State University. Diss. Abs. 26(8):4320-4321. Feb. 1966. 241.8 M58
- 63077 ARGENTINA. INSTITUTO NACIONAL DE TECNOLOGIA AGROPECUARIA. Guia del INTA; personal tecnico y dependencias [Guide to INTA; technical personnel and dependencies of the National Institute of Agricultural Technology], 1965. 170 p., map. 9 Ar39P Extension and research.
- 63078 ATHERTON, L. The farm novel and agricultural history: a review. Agr. Hist. 40(2):131-140. Ref. Apr. 1966. 30.98 Ag8
- 63079 BAHADUR, R. Prospects of tourism in India. Planting Com. 13(12):20, 22-23. Sept. 23, 1965. 22 P697
- 63080 BAROOAH, S. R. Farmers' training in India. Kurukshetra 14(3):29-32. Dec. 1965. 281.28 K96
- 63081 BEALS, H. D. Educational and occupational plans and attainments of Wisconsin's rural youth. Diss. Abs. 26(9):5119. Mar. 1966. 241.8 M58
- 63082 BEAULIEU, G. M. Analysis of the participation of four institutions in an educational process. (Sp) Ext. Amer. 11(1):30-31. 1966. 275.249 Ex8 Promotion of a new bean variety in Costa Rica.
- 63083 BEHRENS, J. "Focus on line and design," a self-teaching program of the Cooperative Extension Service. Ill. Res. 8(1):16. Winter 1966. 100 IL64
- 63084 BERAUD, D. Coordinated development of human resources in agriculture. (Fr) Mediterranee 9:45-51. Jan./Mar. 1966. 281.8 M462 English summary. Chiefly needs for higher education of professionals.
- 63085 BERTRAND, A. L. The impact of changes in agriculture on political life in the North American Region. Sociol. Ruralis 5(2):121-132. Ref. 1965. 281.29 So12 United States and Canada.
- 63086 BESSA, J. DOS S. Centenary of the Course of Agricultural Regents. (Por) Granja [Lisboa] 24(3/4):9-35. Ref. July/Dec. 1965. 15.5 G76
- 63087 BLUME, G. T. Meeting agenda & check sheet. Va. Polytech. Inst. Ext. Circ. 989, 8 p. Nov. 1965. 275.29 V81C For extension use.
- 63088 BOCKELMANN, H. VON. Agricultural fair in Paris. (Ge) Mitt. Deut. Landwirt.-Ges. 81(12): 503-504, 506-508, 510-512. Mar. 24, 1966. 18 N39
- 63089 BONTE, P. "Good morning, Mister Mayor." (Fr) Rev. Franc. Agr. 12:39-43. Spring 1966. 281.8 R328 Promotion of tourism for communities.
- 63090 BUDDE, H. J. Show research as extension method in development countries. (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):464-465. Mar. 17, 1966. 18 N39
- 63091 CALIFORNIA. DEPT. OF AGRICULTURE. DIV. OF FAIRS AND EXPOSITIONS. Amendments to the master premium list-December 1, 1964 and December 1, 1965. n.p., 1965. 120 p. 4.5 C123A
- 63092 CARPENTER, W. L. Administrative communication. J. Coop. Ext. 4(1):23-27. Spring 1966. 275.28 J82
- 63093 CASTLE, A. D. A comparison of the creativity of urban and rural students in Oklahoma. Diss. Abs. 26(3):1420-1421. Sept. 1965. 241.8 M58
- 63094 CH'EN, H. C. Massive advance of sanitation work toward rural areas. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:1-15. Jan. 11, 1966. (JPRS 33,699; TT 66-30143; CSO 3530-D) 173 J663Trh Translation from Hung Ch'i 13:1-9. Dec. 6, 1965. Issued by CFSTI.
- 63095 CLARK, H. E., and MULLIN, S. A. — and they have changed. Ext. Serv. Rev. 37(3):3-6. Mar. 1966. 1 Ex892Ex Youth program in Oregon.
- 63096 CORNELL UNIVERSITY. STATE COLLEGE OF HOME ECONOMICS. Fortieth annual report. Ithaca, 1966. 78 p. 321.9 N48
- 63097 CROFT, J. Body mechanics (posture & foot health). Wyo. Univ. Ext. [4-H Club. Circ.] H-5-24 p. June 1965. 275.29 W99Fc 4-H Clubs.
- 63098 CROFT, J. Leaders' guide, body mechanics (posture & foot health). Wyo. Univ. Ext. [4-H Club. Circ.] H-6, 23 p. Aug. 1965. 275.29 W99Fc 4-H Clubs.
- 63099 DAVIS, L. H. How are county agents changing? Farm Technol. 21(8):15, 58. Sept. 1965. 275.28 N213
- 63100 DIACONU, P. A century of fruitful activity. (Rum) Probl. Agr. [Bucharest] 18(2):71-72. Feb. 1966. 21 R862 English summary, p. 3 of contents. Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya].
- 63101 DONOSO LOERO, T. Rural television in Chile. (Sp) Ext. Amer. 11(1):28-29. 1966. 275.249 Ex8
- 63102 EADDY, K. M. A critique of the agricultural education program in Florida. Diss. Abs. 26 (3):1423-1424. Sept. 1965. 241.8 M58
- 63103 FASCHING, J. L. New design for Appalachia. Ext. Serv. Rev. 37(3):7-10. Mar. 1966. 1 Ex892Ex West Virginia University Appalachian Center.
- 63104 FICH, C. The advisory service in the melting pot. (Da) Horticultura 20(4):62-64. Apr. 1966. 80 H7825
- 63105 FJOERVOLL, O. Norwegian agricultural education today and tomorrow. (No) Norske Myrselsk. Medd. 64(1):20-24. Feb. 1966. 11 N813
- 63106 FOSTER, J. H. The private outdoor recreation industry in Plymouth County, Massachusetts, 1963. Mass. Univ. Ext. Publ. 431, 84 p., map. Mar. 1966. 275.29 M381L
- 63107 GIL PRECIADO, J. Higher agricultural education noble function. (Sp) Panagra 5(65):15-18. Mar. 1966. 8 P196 Mexico.

- 63108 GROBBECKER, K. More understanding for agriculture. (Ge) Mitt. Deut. Landwirt.-Ges. 81(5):150,152,154,156-157. Feb.3,1966. 18 N39
- 63109 HAGA JORDBRUKSSKOLE. Melding om Haga Jordbruksskoles virksomhet [Report on the Work of Haga Agricultural School], by Even Haugen, 1964, v. 46. Mysen, 1964. 3 p. 275.9 M99
- 63110 HANOVER. LANDWIRTSCHAFTSKAMMER. Jahresbericht [Annual report], 1964. Hannover, 1965. 276 p. 18 H193J
- 63111 HEARNE, C. C. Agricultural education of foreigners in the United States. (Ge) (Abridged) Z. Ausländische Landwirt. 4(3): 301-302. Aug.1965. 281.8 Z32
Cooperative program of the U. S. Department of Agriculture and State universities and land-grant colleges.
- 63112 HERRICK, E. L. Good posture for good health. Clemson Univ. Ext. Circ. 221, rev. 4 p. June 1965. 275.29 So8E
- 63113 HOERNER, T. A. Factors related to employment of Iowa State University graduates in agricultural education. Diss. Abs. 26(9):5265-5266. Mar.1966. 241.8 M58
- 63114 HOLMAN, C., and WILLIAMS, B. Education for agriculture. Agr. Soc. Trinidad Tobago. J. 65 (4):479-481,483,485. Dec.1965. 8 T73
West Indies.
- 63115 HOUSEHOLDER, W. A. An evaluation of work experience programs as an element of agricultural education in Panamanian school of agriculture. Diss. Abs. 26(8):4416-4417. Feb. 1966. 241.8 M58
- 63116 HRUSCHKA, E., and RHEINWALD, H. The effectiveness of German pilot farms. Sociol. Ruralis 5(2):101-111. Ref. 1965. 281.29 So12
- 63117 HUGHES, D. D. The influence of ideas on political action: the agrarian idea in American politics. Diss. Abs. 26(3):1746-1747. Sept. 1965. 241.8 M58
- 63118 IMPRESSIONS of the 1966 "Green Week" in Berlin. Int. Fruit World 25(1):282,285-286, 289-290,293,295. Spring 1966. 286.83 F9426
Text also in German and French.
Agricultural exposition.
- 63119 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Informe tecnico [Technical report], 1965. Turrialba, Costa Rica, 1966. 2 v. 28 In83
Education and research.
- 63120 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. GOVERNING BOARDS. Informe, quinta reunion anual, Bogota, Colombia, 17-24 de Abril de 1966 [Report fifth annual meeting, Bogota, Colombia, April 17-24, 1966]. Bogota, 1966. various paging. 28 In834I
- 63121 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. TECHNICAL CONSULTATIVE COUNCIL. Informe de la undecima reunion, Bogota, Colombia, 18 de Abril de 1966 [Report of the eleventh meeting, Bogota, Colombia, April 18, 1966]. Bogota, 1966. various paging. 28 In8332
- 63122 IYER, R. S. Does Panchayati Raj need B.D.O.s? Yojana 10(2):27. Feb.6,1966. 280.8 Y7
- 63123 JACOBET, W. Bauerliche Arbeit und Wirtschaft; ein Beitrag zur Wissenschaftsgeschichte der deutschen Volkskunde [Peasant work and economy; a contribution to the scientific history of German folklore]. Berlin, Akademie-Verlag, 1965. 261 p. (Institut für Deutsche Volkskunde. Veröffentlichungen, v.39) HD653.J3
Bibliography, p.209-253.
- 63124 JOHNSEN, R. Reapportionment and legislative strength. Pear Growers League. Annu. 1965: 45-46. 286.3939 P31
In relation to agriculture in California.
- 63125 JUSTUS, B. S. Peasants against communism? Int. Peasant Union. Bull. May/Dec.1965:16-21. 280.9 In822
In Vietnam.
- 63126 KAVOURAS, G. Vocational agricultural training in Greece. Mediterranea 7:179-183. July/Sept.1965. 281.8 M462
- 63127 KIM, S. The influence of agricultural literature on rural teaching and development. (Ko) Res. Guidance 5(1):111-113. Mar.1964. 22.5 K846Y
- 63128 KNOL, W. Example is better than precept, but experience gives the punch. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):269-270. June 1965. 12 N383M
Extension work.
- 63129 KRUGER, W. Advisory work according to program. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 137:35-37. Feb.15,1966. 281.8 B462
- 63130 LABERGE, D. E. Isolation of the antigens from moldy hay and from Thermopolyspora polyspora involved in farmer's lung disease. Diss. Abs. 26(9):5011. Mar.1966. 241.8 M58
- 63131 LABERGE, D. E., and STAHMANN, M. A. Antigens from moldy hay involved in farmer's lung. Soc. Exp. Biol. Med. Proc. 121(2):458-462. Ref. Feb.1966. 442.9 So1
- 63132 LABERGE, D. E., and STAHMANN, M. A. Antigens from Thermopolyspora polyspora involved in farmer's lung. Soc. Exp. Biol. Med. Proc. 121(2):463-468. Ref. Feb.1966. 442.9 So1
- 63133 LANPHER, B. F. Developments in agricultural extension in the U.S.A. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(6):281-287. June 1965. 12 N383M
- 63134 LELE, J. K. Role of local government in rural development. Diss. Abs. 26(9):5537-5538. Mar.1966. 241.8 M58
India.
- 63135 LELY, J. V. D. Young learned--old finished. (Du) Loonbedrijf Land- Tuinbouw 18(5):393. May 1965. 283.8 L87
Relative success of young and older people taking examinations for management of contract firms.
- 63136 LIMON C., E. Modesty does not diminish capacity. (Sp) Panagra 5(62):14. Dec.1965. 8 p196
Agricultural education at the Michoacan University of San Nicolas de Hidalgo [Universidad Michoacana de San Nicolas de Hidalgo].
- 63137 LIPANOWICZ, J. Tenth anniversary of scientific publications of the Higher Agricultural School of Wroclaw [Wyzsza Szkoła Rolnicza]. (Pol) Med. Weter. 21(12):752-754. Dec.1965. 41.8 M463
- 63138 LONEY, R. N. A. Proposals for the organization of rural secondary schools with special reference to Trinidad-Tobago. Diss. Abs. 26 (3):1514. Sept.1965. 241.8 M58
- 63139 MADDOCK, S. J., GEHRKEN, G. A., and GUTHRIE, W. A. Rural male residents' participation in outdoor recreation. U. S. Forest Serv. Res. Note SE-49, 2 p. Nov.1965. A99.9 F7623Un
Virginia.
- 63140 MALCOM, L. County agents, USA. Farm Technol. 21(5):24. May 1965. 275.28 N213
- 63141 MATTHEY, F. Extension work in the Canton of Neuchatel. (Fr) Agr. Romande (ser.B.)4 (9):67-68. Sept.1965. 17 Ag8
- 63142 MAUNDER, A. H. The meaning of extension education. Christian Rural Fellowship Bull. 244:1-8. Spring, 1966. 281.29 C46
Includes terminology.
- 63143 MCLAUCHLAN, G. Officers of Department study techniques of imparting knowledge to farmers. New Zeal. J. Agr. 112(3):21. Mar. 1966. 23 N48J
- 63144 MERRILL, L. G. The College of Agriculture and Environmental Science. N. J. Agr. 47(5): 2-9. Sept./Oct.1965. 275.28 N46
Rutgers State University.

- 63145 METCALFE, D. S. The place of research in higher agricultural education. *Mediterranea* 9:10-17. Ref. Jan./Mar.1966. 281.8 M462
- 63146 MISSIROLI, M. Problems of the age. II. Leisure and the aged. (It) *Ital. Agr.* 103(2):115-117. Feb.1966. 16 It1
- 63147 NELSON, L., and DONOHUE, G. Social change in Goodhue County, 1940-65. *Minn. Agr. Exp. Sta. Sta. Bull.* 482,67 p.,map. 1966. 100 M66
- 63148 NICHOLLS, J. M. Ropecraft manual. Wyo. Univ. Ext. [4-H Club. Circ.] RC-5,38 p. Aug. 1965. 275.29 W99Fc
4-H Clubs.
- 63149 NORWAY. LANDBRUKSDEPT. Melding om offentlege landbrukstiltak i aret 1963. III. Opplaering og rettleiing [Report on State aid to agriculture in 1963. III. Instruction and advisory service]. Sarpsborg, 1965. 98 p. 11 C46
- 63150 OPOKU, A. A. The women of Ghana's place in agriculture. *Ghana Farmer* 9(1):28-29. Feb. 1965. 24 G564
- 63151 ORR, C. L. An analytical study of the Conference of Presidents of Negro Land-Grand Colleges. *Diss. Abs.* 26(8):4393. Feb.1966. 241.8 M58
- 63152 OSINGA, A. Impressions of the Davis campus of the University of California. (Du) *Landbouwkundig Tijdschr.* 77(12):462-465. June 1965. 105.2 Or3
- 63153 PALMER, D. E. Squares and rounds; how to call. Wyo. Univ. Ext. [4-H Club. Circ.] Rn-14-16 p. 1965. 275.29 W99Fc
Includes separate papers by M. McKenzie, P. Hartman, and R. Stillion.
4-H Clubs.
- 63154 PATEL, A. U. Food, democracy and the school. *Kurukshetra* 14(4):20-22. Jan.1966. 281.28 K96
Agricultural education.
- 63155 PAUL, L. C. Canada organises a professional society for advisory workers. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(1):1-4. 1965. 275.249 F26
Canadian Society of Rural Extension.
- 63156 PESSON, L. L. Principles for the formulation of the plan of studies. (Sp) *Ext. Amer.* 11(1):22-27. 1966. 275.249 Ex8
- 63157 PETERSEN, B. Experiences with accounting in handicraft firms. (Ge) *Mitt. Deut. Landwirt.-Ges.* 80(30):1208-1209. July 29, 1965. 18 N39
- 63158 PIEL, J. C. The use of the graduate agriculturist in Europe. (Ge) *Diplomlandwirt* 16(3):62,64,66,68,70,72. Mar.1966. 18 D62
- 63159 PONSONNARD, C. Les zones-temoins: facteur de productivite agricole [Pilot zones: a factor in agricultural productivity]. Lyon, Ecole Nat. Vet. These 31,130 p. 1965. 41.2 L99
In France.
- 63160 POWERS, R. C. Background information in planning. *J. Coop. Ext.* 4(1):11-22. Spring 1966. 275.28 J82
- 63161 POWERS, R. D. Communicating with graphs. *J. Coop. Ext.* 4(1):35-43. Spring 1966. 275.28 J82
- 63162 PRIMROSE, V. M. A study of the effectiveness of the educational program of the radiophonic schools of Sutatenza on the life of the Colombian peasant farmer. *Diss. Abs.* 26(8):4418. Feb.1966. 241.8 M58
- 63163 PROBLEMS of the age. III. Instruction of youth: basic problem, by Vedo. (It) *Ital. Agr.* 103(2):118-121. Feb.1966. 16 It1
- 63164 ROLFES, M. The education of the graduate agriculturist in Europe. (Ge) *Diplomlandwirt* 16(3):59-61. Mar.1966. 18 D62
- 63165 RUCKRIEM, G. M. Die Situation der Volksschule auf dem Lande; soziologische Studien und padagogische Uberlegungen [The situation of rural elementary schools; sociological studies and pedagogical reflections]. Munchen, Kosel, 1965. 350 p. (Schriften des Deutschen Instituts fur Wissenschaftliche Padagogik) HN450.R8
Bibliography, p.277-351.
- 63166 SAMVIRKENDE JYDSKE HUSMADSFÖRENINGER. UNGDOMSUDVALGET. Ungdomsarbejdet [Youth work], 1965, by M. Pilgaard. Arhus, 1966. 63 p. 275.1 Sa42
Chiefly 4-H activities.
- 63167 SCHULTZ, T. W. Education and economic opportunities in depressed areas: implications for research. N. C. State Univ. Agr. Policy Inst. Ser. 19:45-53. Nov.1965. 281.9 N8122
- 63168 SENZEL, I. Hear Ye! old town meeting goes West. *Our Publ. Lands* 15(4):9-10. Spring 1966. 156.55 Ou7
- 63169 SHOTWELL, T. K. Technology and educational reform in early America. *Diss. Abs.* 26(9):5207. Mar.1966. 241.8 M58
Agricultural education included.
- 63170 SINGH, B. N. Make villages attractive and stop rush to towns. *Yojana* 10(6):7-8. Apr.3, 1966. 280.8 Y7
Hygiene and sanitation.
- 63171 SMITH, W. I., and MOORE, J. W. Programmed materials in mathematics for superior students in rural schools. *Diss. Abs.* 26(9):5621. Mar. 1966. 241.8 M58
- 63172 SMITH, W. M. Extension administration—purpose and process. (Du) *Landbouwkundig Tijdschr.* 77(17):631-642. Ref. Oct.1965. 105.2 Or3
English summary.
- 63173 STARCE, V. Agreement for establishing International Centre for Advanced Mediterranean Agronomic Studies [Centre International de Hautes Etudes Agronomiques Meditteraneennes]. (Fr) *Mediterranea* 6:89-95. Apr./June 1965. 281.8 M462
English summary.
- 63174 SWANSON, H. B. Factors associated with motivation toward professional development of county agricultural extension agents in Minnesota. *Diss. Abs.* 26(9):5184-5185. Mar.1966. 241.8 M58
- 63175 TANG, A. M. A critical analysis of the Area Redevelopment Act and local subsidies to industry. N. C. State Univ. Agr. Policy Inst. Ser. 19:85-99. Nov.1965. 281.9 N8122
- 63176 TARABAIN, A. Agricultural education in Syria and its effects on agricultural development. (Fr) Leipzig, Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1):95-106. 1965. 26 L53
English summary.
- 63177 THURER, G. Farmer art as a reflection of life. (Ge) *Grune* 94(4):1445-1451. Oct.8, 1965. 17 Sch9
Switzerland.
- 63178 TRAPPEN, W. VAN. Problems of agricultural advisory services and the tasks for farm organizations, especially in the maintenance and regeneration of the family farm in Europe. (Fr) Confed. Europe. Agr. Publ. CEA 31:133-147. 1965. 28 C763
- 63179 U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Special programs, 1965-1966; special programs to meet Federal agency needs. Washington, 1965. 26 p. 1 Ag854E
- 63180 VEPA, R. K. Panchayats in Andhra Pradesh. *Kurukshetra* 14(4):14-16. Jan.1966. 281.28 K96
Panchayati Raj system.
- 63181 WEST OF SCOTLAND AGRICULTURAL COLLEGE. Report on the work of the college for the year ended 30th September, 1965. Glasgow, 1965. 116 p. 103 W52A

- 63182 WORLD CONGRESS OF AGRICULTURAL LIBRARIANS AND DOCUMENTALISTS, 3, WASHINGTON, D. C., 1965. [General note, list of participants, and abstracts of papers]. Inst. Ass. Agr. Libr. Doc. Quart. Bull. 11(1/2):1-29. Jan./Apr.1966. 243.9 In84Q
International Association of Agricultural Librarians and Documentalists.
- 63183 WYE COLLEGE. The report of the principal to the governing body for the year 1964-65. n.p., 1966. 91 p. 103 W97R
- 63184 WYOMING UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Wyoming recreation report. Wyo. Univ. Ext. [4-H Club. Circ.] Re-1,11 p. June 1965. 275.29 W99Fc 4-H Clubs.
- 63185 YOUNIS, EL-F. M. Z. Differential citizen participation in rural community development, a comparative study. Diss. Abs. 26(3):1825. Sept.1965. 241.8 M58
- Leadership
- 63186 ABOUL-SHOUD, K. H. Leadership correlates and structure in a rural social system. Diss. Abs. 26(9):5192-5193. Mar.1966. 241.8 M58 Wisconsin.
- 63187 RUST, I. W. Recognizing the ideal cooperative director. U. S. Farmer Coop. Serv. Educ. Circ. 26,9 p. Jan.1966. A280.29 F22Fc
- Rural Organizations and Movements
- 63188 ABREU, A. DA P. Agricultural association prospects. (Por) Granja [Lisboa] 24(3/4):37-56. July/Dec.1965. 15.5 G76
Cooperatives included.
- 63189 ARMSTRONG, W. H. Mundakayam Planters' Association. Planters' Chron. 60(16):295-299. Aug.15,1965. 22 P693
- 63190 BANDINI, M. A necessity: organization. (It) G. Agr. 76(9):91. Feb.27,1966. 16 It1G
- 63191 BARNS, W. D. Farmers versus scientists: the Grange, the Farmers' Alliance, and the West Virginia Agricultural Experiment Station. W. Va. Acad. Sci. Proc. 37:197-206. Ref. 1965, pub.1966. 500 W52
- 63192 BHOLAY, D. A. Consistency of teacher ratings and achievement patterns of 4-H Club members in relation to their participation in 4-H Clubs and other organization in grades one, six, and twelve. Diss. Abs. 26(9):4915-4916. Mar.1966. 241.8 M58
- 63193 CONFEDERATION EUROPEENNE DE L'AGRICULTURE, SECRETARIAT GENERAL. Report on the activity of the CEA in 1964/65; report on the finances of the CEA in 1964 budget for the year 1965. (Fr) Confed. Europe. Agr. Publ. CEA 31:41-67. 1965. 28 C763
- 63194 COUNTRY LANDOWNERS' ASSOCIATION. The finance committee's report to members, 1964. London, 1965. 6 p. 282.9 C832
- 63195 FREEMAN, T. R. The effect of farm migration upon the development of 4-H Club programs in urban areas. Diss. Abs. 26(9):5195-5196. Mar.1966. 241.8 M58
- 63196 GALARD, M. Organizations coordination by an harmonious policy. (Fr) Paysans 10(58):41-47. Feb./Mar.1966. 14 R323
In France.
- 63197 GALARD, M. Start again the basic syndicate in order to coordinate the agricultural organizations. (Fr) Paysans 10(56):45-49. Oct./Nov.1965. 14 R323
- 63198 GESING, F. Agricultural circles in 1966 in Poland. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 429:6-11. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from Nowe Rolnictwo 3:4-6. Feb. 1966.
Issued by CFSTI.
- 63199 HARRISON, L. R. Speak up for 4-H. Wyo. Univ. Ext. [4-H Club. Circ.] PS-1,15 p. June 1965. 275.29 W99Fc
- 63200 HOOLJER, H. Three central country youth organizations. (Du) CMC (Coop. Melkcent.) 21 (8):134. July 17,1965. 44.8 C11
- 63201 IRISH AGRICULTURAL ORGANISATION SOCIETY. 1965, annual report. Dublin, 1965. 53 p. 10 Ir42
- 63202 LANDOKONOMISK arbog [Agricultural economic yearbook], 1966, v. 67. Kobenhavn, 1965. 336 p. 11 L233
List of Danish agricultural organizations.
- 63203 LONDON, C. H. S. Association of Planters of Kerala. Planters' Chron. 60(17):318-320. Sept.1,1965. 22 P693
- 63204 MACDONALD, A. F. 72nd UPASI [United Planters' Association of Southern India] annual conference, 8th September, 1965; observations. Planters' Chron. 60(21):395-396. Nov.1,1965. 22 P693
- 63205 MASSEY, W. S. S. The Nilgiri-Wynaad Planters' Association. Planters' Chron. 60(14):262-264. July 15,1965. 22 P693
- 63206 MAYOW, D. W. The Wynaad Planters' Association. Planters' Chron. 60(15):274-275. Aug.1, 1965. 22 P693
- 63207 MUDALIAR, K. R. The Anamallai Planters' Association. Planters' Chron. 60(15):276-280. Aug.1,1965. 22 P693
- 63208 NELSON, J. 4-H program reflects changing era. Rural Realtor 17(9):2-3. Sept.1965. 282.8 R88
Four-H Clubs in Minnesota.
- 63209 NIELSEN, K. De Samvirkende Danske Landboforeninger [Federation of Danish Agricultural Societies]. (Da) Dansk Landbrug 85(3):64-66. Mar.1966. 280.28 V91
Cooperatives.
- 63210 RAJES, M. S. P. Shevaroy Planters' Association. Planters' Chron. 60(16):302-304. Aug.15, 1965. 22 P693
- 63211 REVUE FRANCAISE DE L'AGRICULTURE. Politique agricole de groupe [Group agricultural policy], by V. S. Petitlaurent. Paris, Office Publ. Generale, 1965. 155 p. HD1945.R4
In the agricultural economy; includes cooperative farming.
- 63212 SETTY, T. C. M. The Mysore State Planters' Association. Planters' Chron. 60(22):423-426. Nov.15,1965. 22 P693
- 63213 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA. 72nd annual conference, 7th and 8th September, 1965. Planters' Chron. 60(18):325-334,336-344. (Cont.) Sept.15,1965. 22 P693
Papers by R. S. Dickson, A. S. Bam, H. S. Reddy, and P. S. H. Mohamed.
- 63214 UNITED PLANTERS' ASSOCIATION OF SOUTHERN INDIA. 72nd annual conference, 7th and 8th September, 1965. Planters' Chron. 60(19):355-357,359-361. (Cont.) Oct.1,1965. 22 P693
Papers by R. Fell and H. K. S. Lindsay.
- 63215 WYOMING UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Attendance record, 4-H Club project group. Wyo. Univ. Ext. [4-H Club. Circ.] G-5B,1 p. Feb.1965. 275.29 W99Fc
- Cooperative Organizations
- 63216 ABRAHAMSEN, M. A. Cooperative trends show progress. News Farmer Coop. 33(2):3-4. May 1966. 166.2 N47
- 63217 AGUILAR M., A. Agrarian reform and rural cooperation in Mexico. (Fr) Int. Arch. Sociol. Coop. 18:206-214. July/Dec.1965. 280.28 Ar22
Includes discussion of ejidos.
- 63218 ANDRADE, P. C. DE. Agrarian problems in the Northeast of Brazil and possibilities of cooperative development (State of Pernambuco). (Fr) Int. Arch. Sociol. Coop. 18:215-223. July/Dec. 1965. 280.28 Ar22
- 63219 BENOIST, G. Education is the key to success. (Fr) Coop. Agr. [Paris] 13(47):27-28. Apr. 1966. 280.28 C78972

- 63220 BENYAMINI, H. The cooperative village, factor reinforcing family farms. (Fr) *Int. Arch. Sociol. Coop.* 18:103-114. July/Dec.1965. 280.28 Ar22 Israel.
- 63221 BHAGWAT, N. P. Co-operation in a socialist economy. Maharashtra Co-op. Quart. 49(3): 222-227. Jan.1966. 280.28 B63 Cooperatives.
- 63222 BIGORRE, M. R. The case of industries and agricultural cooperatives. (Fr) *Coop. Agr.* [Paris] 146:13-21. Mar.1966. 280.28 C78972 Policies in France.
- 63223 COLLOQUE: COOPERATION AGRICOLE ET DEVELOPPEMENT RURAL, TEL AVIV, 1965. Acts. (Fr) *Int. Arch. Sociol. Coop.* 18:3-223. July/Dec.1965. 280.28 Ar22
- 63224 CRAVEN, H. L. Services emphasized at 44 regional meetings. *News Farmer Coop.* 33(2): 12-13. May 1966. 166.2 N47
- 63225 DARIN-DRABKIN, H. National planning, local initiative, and cooperative coordination. (Fr) *Int. Arch. Sociol. Coop.* 18:170-179. July/Dec. 1965. 280.28 Ar22
Agricultural planning; includes reference to Israel.
- 63226 GALESKI, B. Information notes on rural cooperative research in Poland. (Fr) *Int. Arch. Sociol. Coop.* 18:87-90. July/Dec.1965. 280.28 Ar22
- 63227 GHOSAL, S. N., and SHARMA, M. D. Self-reliance in food through cooperation. *Kurukshetra* 14(3):20-21. Dec.1965. 281.28 K96
- 63228 GRIFFIN, N. Financial structure of regional farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rep. 133,56 p.,map. Apr.1966. A280.29 F22G
- 63229 HALPERIN, H. From the agricultural cooperative to the agrindus. (Fr) *Int. Arch. Sociol. Coop.* 18:123-142. July/Dec.1965. 280.28 Ar22
Regional cooperation of industry and agriculture.
- 63230 HARTMANN, E. Proposals for definite collaboration between European cooperatives within the framework of the CEA. (Fr) *Confed. Europe Agr. Publ. CEA* 31:161-167. 1965. 28 C763
- 63231 HAUGH, F. Policy points up Wisconsin Department of Agriculture program. *News Farmer Coop.* 32(12):5,16-17. Mar.1966. 166.2 N47 Cooperatives.
- 63232 HEINKEL, F. V. Publishing with a purpose. *News Farmer Coop.* 33(2):9,16-17. May 1966. 166.2 N47
Discussion of the cooperative publication, Missouri Farmer.
- 63233 HOLROYD, W. M. Distribution savings mean savings to distribute. *News Farmer Coop.* 32(12):3,18-19. Mar.1966. 166.2 N47 Cooperatives.
- 63234 HULBERT, H. H. A look at Argentine cooperatives. *News Farmer Coop.* 32(12):6-7,19. Mar.1966. 166.2 N47
- 63235 HUSAIN, A. M. M. A model cooperative organization for agricultural development in East Pakistan. *Diss. Abs.* 26(3):1389. Sept. 1965. 241.8 M58
- 63236 INDIANA FARM BUR. COOPERATIVE ASSOCIATION. 39th annual report, 1965. n.p., 1965. 14 p. 280.29 In293
- 63237 KNAPP, J. G. Farm cooperative business up for 10th year. *Grain Prod. News* 18(8):2,19. May 1966. 286.81 G764
Statistics.
- 63238 LAUTZ, J. VON. The Saar cooperatives in the fore of the E.E.C. (Ge) *Z. Gesamte Genossenschaftswesen* 15(3):237-240. Third Q.1965. 286.8 Z3
Agricultural.
- 63239 LOM, F. Regional ties between agriculture, industry, and consumer services (Czechoslovakia). (Fr) *Int. Arch. Sociol. Coop.* 18:143-150. July/Dec.1965. 280.28 Ar22
Cooperative organizations.
- 63240 LUNA ARROYO, A. Rural development and cooperative organization in Mexico. (Fr) *Int. Arch. Sociol. Coop.* 18:43-52. July/Dec.1965. 280.28 Ar22
- 63241 MATHER, J. W. Practical paths to "people problems" in mergers. *News Farmer Coop.* 33(2):7-8,18. May 1966. 166.2 N47
- 63242 MAURER, K. J. Increased resistance to risk through production cooperatives. (Ge) *Obst Gemuse* 30(3):20-22. Mar.1966. 286.83 Ob72
- 63243 NAIK, S. V. P. Role of cooperation instrument for social and economic democracy. *Kurukshetra* 14(3):5-9. Dec.1965. 281.28 K96
- 63244 OLUWASANMI, H. A. The adaptation of modern cooperative structures to the development of Nigerian agriculture. (Fr) *Int. Arch. Sociol. Coop.* 18:192-199. July/Dec.1965. 280.28 Ar22
- 63245 PATTERSON, W. L. Cooperatives' future rests on youth education. *News Farmer Coop.* 33(1):10-11,17. Apr.1966. 166.2 N47
- 63246 PHILLIPS, D. Cooperative progress down through the ages. *News Farmer Coop.* 32(12): 13-14. Mar.1966. 166.2 N47
- 63247 PLUNKETT FOUNDATION FOR CO-OPERATIVE STUDIES. Agricultural co-operation organization chart. London, 1965? 4 p. HD1491.G5P6
- 63248 REYMOND, P. Cooperative integration can be promoted without interruption from its base. (Fr) *Cah. Ingen. Agron.* 197:13-18. June/July 1965. 14 C112
Vertical and horizontal integration in France.
- 63249 SAINI, H. S. Membership relations of Montana farmer cooperatives. *Diss. Abs.* 26(8):4297. Feb.1966. 241.8 M58
- 63250 ST. SIEGENS, G. The role of the cooperative organization in rural development. (Fr) *Int. Arch. Sociol. Coop.* 18:5-8. July/Dec.1965. 280.28 Ar22
- 63251 SCHUMACHER, C. Laws of cooperatives in the E.E.C. countries and the problem of coordinating them. (Ge) *Z. Gesamte Genossenschaftswesen* 15(3):190-203. Third Q.1965. 286.8 Z3
English summary.
- 63252 SMITH, L. P. F. Cooperative organization of family farms and introduction of modern technology into traditional villages. (Fr) *Int. Arch. Sociol. Coop.* 18:82-86. July/Dec.1965. 280.28 Ar22
- 63253 SONNEMANN, T. The current task of agricultural cooperation in West Germany. (Ge) *Co-operative* 28(325):18-20. Feb.1966. 280.29 N216M
- 63254 STANTON, B. Cooperative meetings geared to world problems and business reports. *News Farmer Coop.* 32(12):8-9,14-15. Mar.1966. 166.2 N47
- 63255 STANTON, B. Extension cooperative specialists meet in D. C. *News Farmer Coop.* 33(2): 5-6,17. May 1966. 166.2 N47
Conference with Farmer Cooperative Service and Federal Extension Service.
- 63256 STIPETIC, V. Cooperative organization and coordination between national planning and local initiative (study of the case of Yugoslavia). (Fr) *Int. Arch. Sociol. Coop.* 18:180-190. July/Dec.1965. 280.28 Ar22
- 63257 STIPETIC, V. Cooperative organization and technological modernization of traditional villages. (Fr) *Int. Arch. Sociol. Coop.* 18:115-120. July/Dec.1965. 280.28 Ar22
- 63258 SVARDSTROM, K. J. Modern technology and cooperative organization of family farms; the case of Sweden. (Fr) *Int. Arch. Sociol. Coop.* 18:91-102. July/Dec.1965. 280.28 Ar22

- 63259 SWANSON, B. L. Co-op business volume climbs for 10th year. *News Farmer Coop.* 33(1):6-8. Apr.1966. 166.2 N47
- 63260 SWEDEN, STATISTISKA CENTRALBYRAN. Kooperativ verksamhet [Co-operative activity], 1963. Stockholm, 1965. 98 p. 257.3 St2K
Table of contents, summary and some table headings also in English.
- 63261 TAYLOR, P. V. A. G. [Associated Growers] of Florida; how a co-op builds its produce program. *Prod. Marketing* 9(4):19-20. Apr.1966. 280.38 P943
- 63262 THOMAS, E. H. Farmer groups and human problems. (Fr) *Liege. Inst. Prov. Coop. Agr. Bull.* 47:21-33. Mar.1966. 279,28 L62
- 63263 TYBOUT, C. R. Recent development of Netherlands agricultural cooperation; integration, concentration, collaboration with non-cooperative forms of enterprise. (Fr) *Confed. Europe. Agr. Publ. CEA* 31:168-200. 1965. 28 C763
- 63264 WESTERN FARMERS ASSOCIATION. 49th annual meeting. *Western Farmer* 43(9):3-16, 20,22,24,26,28. Mar.1966. 47.8 W27
Pacific Northwest States cooperative organization.
- 63265 YERMAKOV, F. The market, kolkhozes and consumers' cooperatives. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:49-51. June 16,1965. (JPRS 30,640) 173 J663Tso
Translation from *Ekonomicheskaya Gazeta* 6: 31. Feb.1965.
Issued by CFSTI.
- RURAL SOCIAL PSYCHOLOGY**
- 63266 ALLEGER, D. E. A southern rural paradox: social change and despair. *Sunshine State Agr. Res. Rep. [Fla. Sta.]* 11(1):5-8. Jan.1966. 100 F66Su
Anomic tendencies in low-increase areas as scored on Srole amonia scale (attitudinal scaling).
- 63267 BAN, A. W. VAN DEN. The adoption process. *FATIS (Food Agr. Tech. Inform. Serv.) Rev.* 12(1):5-7. 1965. 275.249 F26
Netherlands.
- 63268 CALDAS, E. DE. C. Commentary on the study of diffusion of innovations in agriculture. (Fr) *Mediterranea* 9:18-24. Jan./Mar.1966. 281.8 M462
English summary.
For rural development.
- 63269 DOTY, C. Learning to share through play experiences. *Ariz. Univ. Ext. Folder* 109,8 p. Sept.1965. 275.29 Ar42Ext
- 63270 FORD, T. R. The effects of prevailing values and beliefs on the perpetuation of poverty in rural areas. *N. C. State Univ. Agr. Policy Inst. Ser.* 19:33-43. Nov.1965. 281.9 N8122
- 63271 GREER, P. B. Developmental tasks of youth. *Rutgers State Univ. Ext. Leaflet* 363-A,4 p. Mar.1966. 275.29 N46L
- 63272 GREER, P. B. Ready for school? Preschool growth and development. *Rutgers State Univ. Ext. Leaflet* 189-A,4 p. Jan.1966. 275.29 N46L
- 63273 HOBBLE, D. Does your child mind? *Kans. State Univ. Agr. Ext. L-192,6 p.-folder.* Mar. 1966. 275.29 K13Le
- 63274 HOBBLE, D. Tantrums at two. *Kans. State Univ. Agr. Ext. L-191,6 p.-folder.* Feb.1966. 275.29 K13Le
- 63275 HUNDT, W. On the professional ethos in agriculture. (Ge) *Lebendige Erde* 6:233-238. Nov./Dec.1965. 18 L49
- 63276 MAUREL, F. Progress under conditions. (Fr) *Paysans* 10(58):15-20. Feb./Mar.1966. 14 R323
Attitudes and values of farmers in France.
- 63277 OGG, W. E., and others. Farmers and farm policy. *Iowa Farm Sci.* 20(9):9-11. Mar.1966. 275.28 I094
G. M. Beal, J. M. Bohlen, and R. Warland, joint authors.
Attitudes.
- 63278 RUDE, H. N. The effects of selected psychological and personal history factors related to employment status in a low income rural area. *Diss. Abs.* 26(3):1768. Sept.1965. 241.8 M58
- 63279 SACHS, R. Changes in goals and values. (Ge) *Sociol. Rurals* 5(2):133-148. Ref. 1965. 281.29 S012
English summary.
- 63280 U. S. FEDERAL EXTENSION SERV. Babies look and learn; a guide for parents. U. S. D. A. PA-714,8 p. Mar.1966. 1 Ag84Pro
- 63281 U. S. FEDERAL EXTENSION SERV. Babies touch, taste, and learn; a guide for parents. U. S. D. A. PA-711,8 p. Mar.1966. 1 Ag84Pro
- 63282 U. S. FEDERAL EXTENSION SERV. Parents and teenagers; a guide for parents. U. S. D. A. PA-717,12 p. Mar.1966. 1 Ag84Pro
Youth psychology.
- 63283 YOUNG, J. N. The influence of neighborhood norms on the diffusion of recommended farm practices. *Diss. Abs.* 26(8):4871. Feb.1966. 241.8 M58

TRADE, FOREIGN AND INTERNATIONAL

- 63284 ABOYADE, O. A note on external trade, capital distortion and planned development. *Int. Seminar Afr. Primary Prod. Int. Trade Pap.* 1964:26-43. 1965. 286.9 In86
- 63285 AGUILAR, A. The terms of trade in Honduras from 1930 to 1960. (Sp) *Econ. Polit.* 4(10):22-35. Jan./Mar.1965. 280.8 Ec7236
- 63286 ALCARAZ LUNA, M. Small increase in exports of Canary Islands tomatoes. (Sp) *Rev. Sindical Estad.* 20(79):2-4. 1965. 263 Es8B
- 63287 ARLITT, M. Development of fruit imports in recent years. (Ge) *Fruchthandel* 26:1114-1115. June 25,1965. 286.83 F9428
- 63288 ARLITT, M. Fruit imports and changed marketing methods. (Ge) *Fruchthandel* 23:988-990. July 4,1965. 286.83 F9428
- 63289 ARLITT, M. Imports and German fruit production. (Ge) *Fruchthandel* 27:1160-1163. (Cont.) July 2,1965. 286.83 F9428
- 63290 ARLITT, M. Imports of fresh fruit and vegetables into the German Federal Republic in the year 1965 (preliminary results). (Ge) *Indus. Obst- Gemuseverwertung* 51(5):119-121. Mar.3,1966. 389.8 K832
- 63291 ARLITT, M. Tropical fruit imports of the Federal Republic of Germany. I. (Ge) *Obst Gemuse* 30(3):30-34. Mar.1966. 286.83 Ob72
- 63292 AUSTRALIA, BUR. OF CENSUS AND STATISTICS. Imports cleared for home consumption, 1964-65, bulletin No.6. Canberra, 1965. 437 p. 271 Au72I
- 63293 BALASUBRAMANIAN, V. Plantation industry and the foreign exchange crisis. *Planting Com.* 13(11):17-19,21. Sept.8,1965. 22 P697
India.
- 63294 BANANAS from the West Indies. *Int. Fruit World* 25(1):373-374,377,379-380,383. Spring 1966. 286.83 F9426
Text also in German and French.
- 63295 BANK OF NOVA SCOTIA. Buoyant markets for farm products. *Bank Nova Scotia. Mon. Rev.* Jan.1966,4 p. 280.9 B223
Canadian trade.
- 63296 BARCHAM, R. J. Iraq needs raw materials, food and manufactures. *Australian Food Manufacture Distributor* 35(8):28. Mar.10,1966. 389.8 Au7
Exports from Australia.
- 63297 BERTIN-ROULLEAU, J. The Common Market again on the rails. (Fr) *Rev. Conserv.* 21(1):42-44. Jan./Feb.1966. 389.8 R326

- 63298 BREMEN. STATISTISCHES LANDESAMT. Handel und verkehr 1964 [Trade and traffic 1964]. Statist. Mitt. Bremen 20(2):112 p. 1965. 265 St292
- 63299 BROWN, J. A. C. A brief survey of prospects for African exports of agricultural products. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:1-7. 1965. 286.9 In86
- 63300 BROWNE, R., and NOUYRIT, H. Yes, a common market exists. (Fr) Nouvelles Marches Agr. 109:19-30. Mar.18,1966. 286.8 N85
- 63301 BUDZICH, E. Polish foodstuff exports. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 195:45-51. Dec.4,1964. (JPRS 27,687; CSO 2600-S) 173 J663 Tree Translation from Zycie Gospodarcze 43:4. Oct.25,1964.
- 63302 CANITANO, D. Organization of trade from harvesting to marketing. (It) Agricoltura 14 (6):99-106. June 1965. 16 Ag8226 Citrus.
- 63303 CHICORY and endive. Int. Fruit World 25(1): 3-4,7,9,11,13,14,17,19,20,23-24. Spring 1966. 286.83 F9426 Text also in French and German. Includes Belgian exports.
- 63304 COMBEN, N., and CAMPBELL, C. Promotion and growth of British market for U.S. dehy [dehydrated alfalfa]. Foreign Agr. Incl. Foreign Crops Markets 4(18):10-11. May 2,1966. A281.9 F76Fo
- 63305 DA COSTA, G. C. Elasticities of demand for Indian exports—an empirical investigation. Indian Econ. J. 13(1):41-54. July/Sept.1965. 280.8 In292
- 63306 DEMOTAKE-KOURAKOS, S. Developments in the international wine trade. I-II. (Gre) Trapeziki Ikonomotech. Epitheorisis (67):325-328; (68):359-363. Nov./Dec.1965. 284.8 T68 English summary, p.365a and 396a.
- 63307 DOERK, K. Problemes du financement d'installations communautaires en vue de la creation du Marche Commun [Problems of financing community installations in view of the creation of the Common Market]. Confed. Europe. Agr. 14th Gen. Assembly (Ad 306), 2 p. 1962. 28 C764
- 63308 DONAT, F. Financing of agricultural policies of E.E.C. (Fr) Cah. Ingen. Agron. 197:27-30. June/July 1965. 14 C112
- 63309 DUMONT, R. An introductory note on development prospects for intra-African trade in agricultural commodities. UN. Econ. Comm. Afr. Agr. Econ. Bull. Afr. 7:12-27. Sept.1965. 281.9 Un3823
- 63310 THE EEC orange squabble. Int. Fruit World 25(1):221-222,225,227,231-232,235,237-238,241-242,245-246,249. Spring 1966. 286.83 F9426 Text also in French and German. Tariffs on imports from non-EEC countries.
- 63311 EHMAN, F. W. Grenada—spice island of the Western Hemisphere. Foreign Agr. Incl. Foreign Crops Markets 4(13):7-8. Mar.28,1966. A281.9 F76Fo Chiefly export of nutmeg.
- 63312 EKSTROM, F. The seed market. (Sw) Svensk Frotidn. 34(10):144. Oct.15,1965. 61.8 Sv2 Trade.
- 63313 ENGHOLM, B. C. Cereals marketing. Agr. Merchant 45(8):62-64,66-67,69. Aug.1965. 10 Ag89 Chiefly trade in Great Britain.
- 63314 EVA, C. DELL'. Increase in the agricultural deficit an index of decreased self-sufficiency. (It) G. Agr. 76(16):181. Apr.17,1966. 16 It1G Trade.
- 63315 FERNANDEZ-PENA, J. L. The Spanish citrus fruit trade. (Ge) Fruchthandel 24:1017-1018. June 11,1965. 286.83 F9428
- 63316 FERRARI-AGGRADI, M. Community agreements as element of European integration. (It) Molini Ital. 16(2):49-51. Feb.1965. 298.8 M73
- 63317 FINLAND. TULLIHALLITUKSESSA. Ulkomaankauppa, vuosijulkaisu, Osa II. Foreign trade, Volume II, 1962. Helsinki, 1965. 277 p. (Suomen Virallinen Tilasto, Official Statistics of Finland I A:82) 267.5 B47H Introduction and table headings in Finnish, Swedish, and English.
- 63318 FISCHER, W. 88 professional expressions from the dictionary of E.E.C. agricultural market policy. (Ge) Mitt. Deut. Landwirt.-Ges. 80 (30):1210-1211. (Cont.) July 29,1965. 18 N39
- 63319 FRANCE. COMITE CENTRAL DE LA LAINE. France: statistiques du commerce exterieur de produits lainiers, annee 1965 [France: statistics of the foreign trade of wool products 1965]. France. Comite Cent. Laine. Indus. Lainiere Franc. 1082,28 p. Mar.1966. 286.3459 F84B Includes skins, and greasy and washed wool.
- 63320 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Statistiques du commerce exterieur; importations-exportations, annee 1965 [Statistics of foreign trade; imports-exports, year 1965]. Paris, 1966. 367 p. 260 D742
- 63321 FRIED, E. R. Mid-point year review of coffee agreement. Tea Coffee Trade J. 130(3):28,30-32,34,36. Mar.1966. 68.8 T22 The International Coffee Agreement.
- 63322 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Aussenhandel. Reihe 2. Spezialhandel nach Waren und Landern Dezember und Jahr 1965 [Foreign trade, Series 2., Special trade according to commodities and countries, December and year 1965]. Wiesbaden, 1966. 770 p. 265 St2A
- 63323 GLATTLI, H. Cattle marketing in spring 1965. (Ge) Grune 93(36):1235-1240. Sept.3,1965. 17 Sch9 Statistics and export in Switzerland.
- 63324 GODREJ, A. B. Trade and marketing aspects of the economics of the solvent extraction industry. Oils Oilseeds J. 18(8):13-16. Feb. 1966. 307.8 Oi54
- 63325 GOOLSBY, O. H. Agricultural exports from temperate and tropical zones, changes in prices and foreign exchange earnings, 1947-63. U. S. D. A. Foreign Agr. Econ. Rep. 29,24 p. Mar.1966. A281.9 Ag8F Statistics.
- 63326 GROTEWOLD, A. World exports of non-mineral primary products. I. Amer. J. Econ. Sociol. 25(2):153-162, map. (Cont.) Apr.1966. 280.8 Am393
- 63327 HARNETTY, P. The imperialism of free trade: Lancashire and the Indian cotton duties, 1859-1862. Econ. Hist. Rev. (ser.2)18(2):333-349. Ref. Aug.1965. 277.8 Ec7
- 63328 HEATH, T., and BUTTERWICK, M. Common Market: is agriculture hindering British entry? Statist 190(4594):733-734. Mar.25,1966. 286.8 St2
- 63329 HEIFETZ, E. Jaffas and the reference prices in the Benelux countries. Israel Export Trade J. 18(2):15. Feb.1966. 286.8 Is7 Orange and grapefruit trade.
- 63330 HOY, D. R., and FISHER, J. S. Latin America and the European Common Market. Geogr. Rev. 56(1):90-97, map. Jan.1966. 500 Am35G Includes trade of agricultural products.
- 63331 HUNGARIAN fruit and vegetable exports. Int. Fruit World 25(1):384,387,389-390,393,395-396. Spring 1966. 286.83 F9426 Text also in German and French.

- 63332 INTERNATIONAL SEMINAR ON AFRICAN PRIMARY PRODUCTS AND INTERNATIONAL TRADE, EDINBURGH, 1964. African primary products and international trade, papers delivered at an international seminar in the University of Edinburgh, September 1964, edited by J. G. Stewart and H. W. Ord. Edinburgh, Univ. Press, 1965. 218 p. 286.9 In86
- 63333 IOANES, R. A. Ag exports to peak in 1966. Grain Age 7(5):24,32,34,36. May 1966. 281.8 G76
By United States.
- 63334 IOANES, R. A. Cracking the export market. News Farmer Coop. 33(2):10-11,17-18. May 1966. 166.2 N47
- 63335 IRELAND. CENTRAL STATISTICS OFF. Trade statistics of Ireland year 1965 and December 1965. Dublin, 1966. 52 p. 256.12 In2tr
- 63336 ISRAEL. MINISTRY OF COMMERCE AND INDUSTRY. Export bulletin yearbook, (condensed) 1965. Jerusalem, 1966. 81 p., map. 269.8 Is742E
Text also in Hebrew.
- 63337 JAHN, H. R. Export and market requirements of fruit, vegetables, and tropical fruits in Turkey. II. (Ge) Fruchthandel 33:1412-1414. (Cont.) Aug.13,1965. 286.83 F9428
- 63338 JAHN, H. R. Turkey as a supplier of fruits and vegetables. I. (Ge) Fruchthandel 31:1322-1324. July 30,1965. 286.83 F9428
- 63339 KAMALAPRIJA, V. Descriptive survey of the Colombian banana market structure for export. Bogota, Instituto Latinoamericano de Mercadeo Agrícola, 1965. 138 p. HD9259.B23C7
English translation of Estudio descriptivo de la estructura del mercado del banano colombiano para la exportacion.
- 63340 KAMALAPRIJA, V. Estudio descriptivo de la estructura del mercado del banano colombiano para la exportacion [Descriptive study of the Colombian banana export market structure]. Bogota, Instituto Latino-Americano de Mercadeo Agrícola, 1965. 150 p. HD9259.B22C7
- 63341 KELLY, R. Foreign trade of Argentina and Australia, 1930 to 1960. II. Econ. Bull. Latin Amer. 10(2):188-211. Oct.1965. 280.8 Ec799
Agricultural products included.
- 63342 KIGER, H. C. Impact of Rhodesian independence on the world tobacco trade. Foreign Agr. Incl. Foreign Crops Markets 4(11):6-7. Mar.14,1966. A281.9 F76Fo
- 63343 KRUGER, J. The skimming off of excess goods as an instrument of the EEC's agricultural trading policy. (Ge) Agrarwirtschaft 15(3):85-89. Mar.1966. 281.8 Ag826
English summary.
Eggs, poultry, and swine.
- 63344 KUHLMEIJER, H. J. What is marketing? (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):124-131. Mar.1965. 86 N384
English summary, p.173.
Trade in Western Europe.
Discussion, p.146-148.
- 63345 LE NGAN. Many agricultural products from Hung Yen produced for export. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 179:21-24. June 23,1965. (JPRS: 30,764) 173 J663Trn
Translation from Thoi Su Pho Thong, Mar. 1965:28-33.
Issued by CFSTI.
- 63346 LEAVITT, D. H. How South Africa markets its wool. Foreign Trade 125(8):6-7. Apr.16, 1966. 286.8 C162
- 63347 LECERF, J. Important agricultural documents awaiting the end of the European crisis. (Fr) Agr. Prat. 130(2):12-14. Feb.1966. 14 J82
France and the Common Market.
- 63348 LEEUWEN, C. VAN. The world fishmeal market and the Netherlands. (Du) Molenaar Weekbl. 68(29):724,726. July 20,1965. 298.8 M732
Trade and consumption.
- 63349 LEIBFRIED, J. L. A study of the International Wheat Agreement: its development, negotiation, and provisions. Diss. Abs. 26(8):4293-4294. Feb.1966. 241.8 M58
- 63350 LIVINGSTONE, I. The marketing of crops in Uganda and Tanganyika. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:125-147. 1965. 286.9 In86
Food trade.
- 63351 LUU, V. D. Ten years of foreign trade in North Vietnam (1955-1965). U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 217:1-23. Dec.21,1965. (JPRS 33,418; TT 65-33992) 173 J663Trn
Translation from Nghien Cuu Kinh Te 29:12-22,41. Oct.1965.
Issued by CFSTI.
- 63352 MACDOUGALL, C. The pig and the peasant. Far East. Econ. Rev. 52(3):153-156. Apr.21, 1966. 280.8 F223
Agricultural, and particularly pig, production for export products as a means of improving exchange to buy equipment for China.
- 63353 MACNAUGHT, J. E.E.C. [European Economic Community] financing of structural improvements. Can. Dep. Agr. Econ. Br. Agr. Abroad 21(1):13-16. Feb.1966. 281.9 C1642A
Discussion of agricultural fund available to member states.
- 63354 MCDONALD, H. J. How markets look for feed grains, American wheat. Grain Age 7(5):28-29, 36. May 1966. 281.8 G76
Trade.
- 63355 MCDOWELL, A. M. Exports of California fruits and vegetables by air to Europe at '65 level; asparagus up. Foreign Agr. Incl. Foreign Crops Markets 4(19):11. May 9,1966. A281.9 F76Fo
Chiefly strawberries and asparagus.
- 63356 MINYARD, J. D. Japan's import of U.S. agricultural products reach record value of \$966 million in 1965. Foreign Agr. Incl. Foreign Crops Markets 4(12):8. Mar.21,1966. A281.9 F76Fo
- 63357 MONTANER ESTEVE, J. The Common Market and Spain. (Sp) Cult. Mod. 48(6):218-219. June 1965. 15 C89
- 63358 MOROCCO in the wake of nationalization of the export trade. Int. Fruit World 25(1):357, 359,361,363-364,367,369-370. Spring 1966. 286.83 F9426
Text also in German and French.
Establishment of Office of Commercialization et d'Exportation [Office de Commercialisation et d'Exportation].
Chiefly citrus and vegetables.
- 63359 MURRAY, K. L. "Golden toast" campaign helps boost wheat bread sales in West Germany. Foreign Agr. Incl. Foreign Crops Markets 4(14):12,16. Apr.4,1966. A281.9 F76Fo
Mode from American wheat.
- 63360 NETHERLANDS. CENTRAAL BUR. VOOR DE STATISTIEK. Statistiek van de grensoverschrijdende goederenstromen naar verkeerswijzen [Statistics of commodities crossing borders according to type of transportation], 1964. Hilversum, 1965. 169 p. 259 St2Sta
- 63361 THE NEW Spanish allotment system regulating orange exports. Int. Fruit World 25(1):153, 155-156,159,161,163,165. Spring 1966. 286.83 F9426
Text also in German and Spanish.
- 63362 NEW ZEALAND. DEPT. OF INDUSTRIES AND COMMERCE. Report for the year ended 31 March 1964. Wellington, 1964. 66 p. 271.2 In2A
Includes food and agricultural trade.
- 63363 NEW ZEALAND. DEPT. OF STATISTICS. New Zealand external trade 1962-63 and 1963-64; report and analysis. Wellington, 1965. 75 p. 271.2 C33R

- 63364 NEW ZEALAND. DEPT. OF STATISTICS. New Zealand: imports, pt.A-B, 1963-64. Wellington, 1965. 2 v. 271.2 St2Ne
Pt. A, Commodity by country; pt. B, Country by commodity.
- 63365 NGUYEN TAM. Export in the current situation. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 224:7-14. Feb.8, 1966. (JPRS 34,048; TT 66-30490) 173 J663Trn
Includes agriculture.
Translation from Thoi Su Pho Thong 24:17-24. Dec.1965.
Issued by CFSTI.
- 63366 NOUYRIT, H. The financing of the common agricultural policy and its political consequences. (Fr) Inform. Doc. Agr. 19(11):2-3,5-7. June 1, 1965. 14 In32
- 63367 O'GRADY, D. Europe, growing market for Australian exporters. Australian Food Manufacture Distributor 35(7):20,22, map. Feb.10, 1966. 389.8 Au7
- 63368 ONITIRI, H. M. A. The role of international organizations in developing African primary products. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:8-18. 1965. 286.9 In86
- 63369 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Trade by commodities; detailed analysis by S.I.T.C. items; supplement, Jan.-December 1964. Paris, 1966. 168 p. (Series C) 286.9 Or32Oc
Text also in French.
- 63370 PALMER, J. D. U.S. should reopen trade with communist countries. Tobacco [New York] 162(14):20-21. Apr.8, 1966. 286.89 T552
- 63371 PANAMA. DIRECCION DE ESTADISTICA Y CENSO. Anuario de comercio exterior, ano 1963 [Annual of foreign trade, year 1963]. n.p., 1966. 505 p. (Estadistica Panamena, ano XXIV) 254 P197A
- 63372 PEDERSEN, A. V. The Kennedy-round. (Da) Tolvmadsbladet 37(10):481-483. Oct.1965. 11 T58
- 63373 PEREZ AYALA, R. An economic solution: expansion of markets and elimination of taxes on coffee destined for new markets. (Sp) Rev. Cafetalera 50:22-25. Oct.1965. 68.28 R322
Guatemala; includes statistics.
- 63374 PERU. SUPERINTENDENCIA GENERAL DE ADUANAS. DEPT. DE ESTADISTICA. Estadística del comercio exterior [Statistics of foreign trade], 1964. Lima, 1964. 1343 p. 255.8 Ad9E
- 63375 PICARD. World trade in animals for slaughter, meat and meat products from 1959 to 1963. (Ge) Fleischwirtschaft 45(7):789-794, 797-798. July 1965. 280.38 F62
English summary.
Statistics.
- 63376 PILLAI, R. K. Cashew export trade of India. Planting Com. 13(4):37-40. May 8, 1965. 22 P697
- 63377 REGIER, D. W., and others. Meat import prospects of the European Economic Community. U. S. D. A. Econ. Res. Serv. ERS-Foreign-139, 28 p. Feb.1966. A281.9 Ag83
R. N. Brown, R. W. Hexem, and W. P. Huth, joint authors.
- 63378 REPORT of an Argentine joint commission on trade talks held with the EEC. Int. Fruit World 25(1):311-312, 315, 317-318, 321-322, 325-326, 329. Spring 1966. 286.83 F9426
Text also in German and Spanish.
- 63379 RIQUELME INDA, J. Agricultural export cooperatives. (Sp) Confed. Cam. Nac. Com. Carta Semanal 31(1472):10-12. Mar.12, 1966. 286.8 C76
Mexico.
- 63380 RODMAN, W. L. Rapid rise in Australia's cotton output is decreasing imports. Foreign Agr. Incl. Foreign Crops Markets 4(16):16. Apr.18, 1966. A281.9 F76Fo
- 63381 ROTHSTEIN, M. Antebellum wheat and cotton exports: a contrast in marketing organization and economic development. Agr. Hist. 40(2): 91-100. Ref. Apr.1966. 30.98 Ag8
- 63382 SANGERS, W. J. The exports of flowerbulbs to three countries and the dependence on consumptive spendings. (Du) Neth. Dir. Tuinbouw. Mededel. 28(9):428-433. Sept.1965. 86 N384
English summary, p.473.
West Germany, England, and Sweden.
- 63383 SCHATZ, H. Fruit and vegetable marketing within the framework of active trading for processing purposes economically advantageous? (Ge) Indus. Obst- Gemuseverwertung 51(6): 185-188. Mar.17, 1966. 389.8 K832
Export of raw or partially processed products to be finished and then re-imported.
- 63384 SCHILLING, G. A. W. New markets boosting total U.S. cotton sales to Africa. Foreign Agr. Incl. Foreign Crops Markets 4(18):7-8. May 2, 1966. A281.9 F76Fo
- 63385 SCHUMACHER, H. H. The world honey market. Amer. Bee J. 106(1):10-11. Jan.1966. 424.8 Am3
- 63386 SEERS, D. International trade and development—the special interests of Africa. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:19-25. 1965. 286.9 In86
- 63387 SHIOTA, T. Importation of raw cotton in Japan. Cotton Dig. 38(29):16, map. Mar.19, 1966. 286.82 C822
- 63388 SONNEMANN, T. Cooperatives in international trade. (Ge) Z. Gesamte Genossenschaftswesen 15(3):181-189. Third Q.1965. 286.8 Z3
English summary.
In the European Economic Community.
- 63389 SOREIDE, K. The poultry section today and future prospects. (No) Fjorfe 83(2):27. Feb. 1966. 47.8 T432
Trade in eggs and poultry meat.
- 63390 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Foreign trade, analytical tables, export, January-December 1964. Brussels, 1965. 737 p. 286.9 St2S
Text also in German, French, Spanish, and Dutch.
- 63391 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Foreign trade, analytical tables: import, January/December 1964. Brussels, 1965? 402 p. 286.9 St2S
Text also in German, French, Dutch, and Italian.
- 63392 SWEDEN. STATISTISKA CENTRALBYRAN. Utrikeshandel [Foreign trade] 1964. II. Stockholm, 1966. 340 p. 257.3 St2Ha
Table of contents, summary and some table headings also in English.
- 63393 SWITZERLAND. EIDGENOSSISCHE OBERZOLLDIREKTION. Jahresstatistik des Aussenhandels der Schweiz 1965. Erster Band [Annual statistics of the foreign trade of Switzerland 1965. Volume one]. Bern, 1966. 449 p. 262 Z7S
Text also in French.
- 63394 SZTYBER, W. B. CEMA—prices in the computing of the effectiveness of foreign trade. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 197:31-49. Dec.9, 1964. (JPRS 27,755; CSO 2600-N) 173 J663Tree
Includes agricultural products; USSR bloc.
Translation from Gospodarka Planowa 8-9: 85-89. 1964.
- 63395 TOBIN, A. J. The port of New York looks to the future. Sugar Club. Annu. 5:25-30. 1964/65. 286.3659 Su3
Sugar trade.
- 63396 TONTZ, R. L., ed. Foreign agricultural trade; selected readings. Ames, Iowa State Univ. Press, 1966. 500 p. HD9006.T6
- 63397 UGOH, S. U. Prospects for some Nigerian agricultural products in the world market. Nigerian J. Econ. Soc. Stud. 7(3):237-243. Nov.1965. 280.8 N56
- 63398 UNITED STATES-JAPAN TRADE COUNCIL. United States trade with Japan: 1960-64. Washington, 1965? 29 p. HF3127.U5

- 63399 U. S. DECIDUOUS fruit exports to Europe. Int. Fruit World 25(1):71-72,75,77-78. Spring 1966. 286.83 F9426
Text also in German and French.
- 63400 U. S. S. R. MINISTERSTVO VNESHNEI TORGOVLI. PLANOVO-EKONOMICHESKOE UPRAVLENIE. USSR foreign trade for 1964; statistical review. 441 p. (JPRS 32,214; TT 66-30655; CSO 4023-S) 286.8 V84Ae
Translation of Vneshnyaya torgovlya za 1964; statisticheskii obzor.
CFSTI: \$7.46.
- 63401 VAN ALPHEN, H. Wines: South Africa's vintage crop. Foreign Trade 125(8):10-11. Apr.16,1966. 286.8 C162
Trade.
- 63402 VINING, D. K. Spain boosts its citrus exports and at same time gets higher prices in foreign markets. Foreign Agr. Incl. Foreign Crops Markets 4(12):9. Mar.21,1966. A281.9 F76Fo
- 63403 WAGEMANN, H. Regulations to implement the decisions of the European Common Market on questions of hygiene relating to trade in fresh meat between member countries (Durchführungsgesetz EWG-Richtlinie Frisches Fleisch-FrFIG). (Ge) Fleischwirtschaft 45(8):905-910, 913. Aug.1965. 280.38 F62
English summary.
- 63404 WARDEN, T. A. Shipments of farm products to the European Economic Community and to Asia increased the value of U.S. agricultural exports again in 1964-65. Foreign Agr. Trade U. S., May 1966:14-18. A286.9 Ag8
- 63405 WEST German apple and pear imports from Southern Hemisphere countries. Int. Fruit World 25(1):269,271,273,275-276,279,281. Spring 1966. 286.83 F9426
Text also in German and French.
- 63406 WIGHTMAN, V. F. U.S. food aid programs. Can. Dep. Agr. Econ. Br. Agr. Abroad 21(1):6-12. Feb.1966. 281.9 C1642A
Public Law 480 as basis for Food for Peace Program.
- 63407 WOODMAN, H. D. Itinerant cotton merchants of the antebellum South. Agr. Hist. 40(2):79-80. Ref. Apr.1966. 30.98 Ag8
History of cotton trade between Southern States and England.
- 63408 WOODWORTH, H. H. Inspecting grain shipments for India. Agr. Marketing [Washington] 11(4):4. Apr.1966. A280.38 Ag8
- 63409 WORK, S. H. Thailand's industrial progress changing its farm trade. Foreign Agr. Incl. Foreign Crops Markets 4(17):3-5. Apr.25, 1966. A281.9 F76Fo
- 63410 WRIGHT, W. D. C. A determinant of demand for food imports into West Africa. Int. Seminar Afr. Primary Prod. Int. Trade Pap. 1964:117-124. 1965. 286.9 In86
Includes statistics.
- 63411 YUGOSLAV dried prunes in the export. Int. Processed Fruits 10(1):48,51-54. 1966. 286.83 In82
Text also in German and French.
- 63412 ZEGELIN, G. B. Try Switzerland for food and wine sales outlets. Australian Food Manufacture Distributor 35(8):48. Mar.10,1966. 389.8 Au7

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 63413 AMERICAN DIETETIC ASSOCIATION. Annual reports & proceedings, 48th annual meeting, Cleveland, Ohio, 1964-1965. Chicago, 1965. 64 p. 389.9 Am35P
- 63414 COCHRANE, E. J. Around the world with foods & traditions. Wyo. Univ. Ext. [4-H Club. Circ.] F-40,11 p. July 1965. 275.29 W99Fc
- 63415 COCHRANE, E. J., and WALTON, W. Commencement for life: foods-nutrition. V. Wyo. Univ. Ext. [4-H Club. Circ.] F-25,46 p. Sept. 1965. 275.29 W99Fc
- 63416 COCHRANE, E. J., and WALTON, W. Commencement for life leaders' guide: foods-nutrition. V. Wyo. Univ. Ext. [4-H Club. Circ.] F-26,9 p. July 1965. 275.29 W99Fc
- 63417 COCHRANE, E. J., and WALTON, W. The round up: foods and nutrition. IV. Wyo. Univ. Ext. [4-H Club. Circ.] F-20,49 p. Nov.1965. 275.29 W99Fc
- 63418 COCHRANE, E. J., and WALTON, W. The round up leaders' guide: foods and nutrition. IV. Wyo. Univ. Ext. [4-H Club. Circ.] F-21,8 p. Oct.1965. 275.29 W99Fc
- 63419 CONGRESSO NAZIONALE DI STUDI DI IGIENE ALIMENTARE, 2, BOLOGNA, 1964. [Summaries of papers of the National Congress of Food Hygiene Studies]. II. (It) Minerva Dietol. 5(3):134-158. July/Sept.1965. 389.8 M66 Nutrition.
- 63420 CZAJKOWSKI, J. M. Hawaiian foods and traditions. Ky. Univ. Ext. Circ. 603,18 p. Sept. 1965. 275.29 K415
Chiefly recipes.
- 63421 DE MAEYER, E. M. International nutrition programs by the United Nations agencies. Amer. J. Public Health Nat. Health 56(4):619-622. Apr.1966. 449.9 Am3J
- 63422 ELLIOTT, I. Nutrition education in Canada. Can. Nutr. Notes 23(4):41-47. Apr.1966. 389.9 C168
- 63423 GONZALEZ S., M. Venezuelan requirements in nutrients and recent consumption (revision of 1962). (Sp) Arch. Venezolanos Nutr. 14(2):191-201. 1964. 389.8 Ar22
English summary.
- 63424 HANSEN, C. Nutrition. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:141-144. 1965. 33.11 AL7
- 63425 INTERNATIONAL MICROECOLOGICAL SYMPOSIUM BERLIN AND REHBRUCKE, 1964. [Vorträge. Addresses]. Potsdam. Inst. Ernähr. Ernährungsforsch. 10(2/3):109-542. 1965. 386.3 P84
Papers in English or German.
Human and animal nutrition.
- 63426 ISOBE, S., and others. The nutrition status of the mountainous villages. 1. The dietary survey of the families and the effect of the school feeding on the nutrient intake. Tokyo. Nat. Inst. Nutr. Annu. Rep. 1965:27-29. 389.9 T573
Y. Ichinose, K. Yamakawa, A. Kaga, M. Uzuoka, F. Takahashi, K. Shimamura, and S. Nagamine, joint authors.
- 63427 JONES, G. T. The influence of income and family structure on the family diet in India. 2. Farm Econ. [Oxford] 10(12):485-496. 1965. 281.8 F223
- 63428 JORDAN, G. E. The development of the foods and nutrition major area of study in home economics and the current status of nutrition teaching. Diss. Abs. 26(8):4620. Feb.1966. 241.8 M58
- 63429 KARIEL, H. G. A proposed classification of diet. Ass. Amer. Geogr. Ann. 56(1):68-79, map. Mar.1966. 500 As73

- 63430 KEVANY, J. J. Nutrition programs in Latin America. Amer. J. Public Health Nat. Health 56(4):614-618. Apr.1966. 449.9 Am3J
- 63431 KING, C. G. Trends in international nutrition programs. Amer. Diet. Ass. J. 48(4):297-300. Ref. Apr.1966. 389.8 Am34
- 63432 MCKENZIE, F. C. An evaluation of popular nutritional knowledge. S. Afr. Sugar J. 50(1):40-41,43,45. Ref. Jan.1966. 65.8 So8
From a survey taken of people's opinions in Great Britain.
- 63433 MEDVED, E. Teaching by television. J. Coop. Ext. 4(1):28-34. Spring 1966. 275.28 J82
Teaching nutrition.
- 63434 MIKESH, V. Protein-rich foreign foods. Minn. Univ. Ext. Pam. 211,6 p.-folder, map. Jan.1966. 275.29 M66P
Chiefly recipes.
- 63435 MIKESH, V. Stretching your protein dollar. Minn. Univ. Ext. Pam. 210,6 p.-folder. Jan.1966. 275.29 M66P
Chiefly recipes.
- 63436 MIKESH, V. You and protein. Minn. Univ. Ext. Pam. 209,6 p.-folder. Jan.1966. 275.29 M66P
- 63437 OKE, O. L. The introduction of leaf protein into the Nigerian diet. Nutrition 20(1):18-21. Ref. Spring 1966. 389.8 N959
Food sources.
- 63438 RICE, E. E. The national diet heart study. Food Nutr. News 37(3):1,4. Dec.1965. 389.8 F7332
In relation to health.
- 63439 SCHULMEISTER, H. Dietetics in practice and theory. (Ge) Ernähr.-Umsch. 13(2):41. Feb. 1966. 389.8 Er66
- 63440 SHERMAN, W. C. Selenium. Food Nutr. News 37(3):3. Dec.1965. 389.8 F7332
In human nutrition.
- 63441 STANTON, B. R. Meal patterns of elderly patients. Nutrition 20(1):9-12. Spring 1966. 389.8 N959
- 63442 TOKYO. NATIONAL INSTITUTE OF NUTRITION. Annual report, 1965. Tokyo, 1965. 41 p. 389.9 T573
- 63443 U. S. FEDERAL EXTENSION SERV. Food for young families: feeding young children. U. S. D. A. PA-693,4 p. Mar.1966. 1 Ag84Pro
- 63444 WACHTEL, U. Some current problems of modern infant nutrition. 1. (Ge) Ernähr.-Umsch. 13(2):34-36. Feb.1966. 389.8 Er66
- 63445 WILHELM, M. Honey cook book. Iowa Falls, General Publ. Binding, 1965. 126 p. TX740.W5

FOOD HABITS

- BOOKER, L. W. Dietary habits of Maine children. Maine Farm Res. 13(4):14-15. Jan. 1966. 100 M28Ma
- 63446 HIX, H. Changes in nutrition. (Ge) Ernähr.-Umsch. 13(3):63-68. Mar.1966. 389.8 Er66
- 63447 SYMPOSIUM ON FOOD PREJUDICES AND TABOOS. [Proceedings]. Food Technol. 20(3):42-44. (Cont.) Mar.1966. 389.8 F7398
This section includes "The Geographic approach to food prejudices," by F. J. Simoons.

NUTRITIVE AND VITAMIN CONTENT

- 63449 ANDRIEU, R. Nutritive value of milk in adults. (Fr) Tech. Lait. 21(492/493):13,15. (Cont.) Aug.20/Sept.5,1965. 44.8 Of2
- 63450 BING, F. C. Nutrition and the effect of artificial sweeteners. Ass. Food Drug Offic. U. S. Quart. Bull. 29(3):87-97. Ref. July 1965. 389.9 As7Q
Chiefly on nutritive value.
- 63451 BLANKHART, D. M. Food quality and health in the tropics. (Du) Landbouwkundig Tijdschr. 77(16):589-600. Ref.,p.598-600. Sept.1965. 105.2 Or3
Nutritive value.

- 63452 CRAVIOTO B., R. O., and CERVANTES M., M. Protein value of "masa" corn flour enriched with soybean flour and sesame proteins. (Sp) *Ciencia* 24(3/4):159-162. Ref. Aug.25,1965. 475 C48
English summary.
- 63453 FERRO-LUZZI, G. Nutritive value of fresh pork. (It) *Agr. Italia* 11(10):47-49,51-53,55, 57,59-61,63. Ref. Oct.1965. 16 Ag8232
- 63454 KUZAYLI, M. V., COWAN, J. W., and SABRY, Z. I. Nutritive value of Middle Eastern food-stuffs. II. Composition of pulses, seeds, nuts and cereal products of Lebanon. *J. Sci. Food Agr.* 17(2):82-84. Ref. Feb.1966. 382 So12
- 63455 LUCIANI, F. The value of asparagus. (It) *Riviera Fiori* 20(1):20-21. Jan.1966. 287 R52
Nutritive value.
- 63456 MERLI, G. M. Coffee in the nutrition of the community: biological action of chlorogenic acid. (It) *Minerva Dietol.* 5(3):129-134. Ref. July/Sept.1965. 289.8 M66
Nutritive value.
- 63457 MICHEV, B. Vitamin content of fruit from forests. (Bu) *Gorsko Stopanstvo* 21(7):37-39. July 1965. 99.8 G682
- 63458 MITSUDA, H. Enrichment of rice by soaking method. *Int. Congr. Food Sci. Technol. Proc.*, 1st Congr., v.2:521-528. Ref. 1962, pub.1965. TP368.I5
- 63459 NOMURA, D. Studies on the bound form of ascorbic acid. 1. Ascorbigen content in some Japanese crucifers. *Yamaguti. Univ. Fac. Agr. Bull.* 15:523-530. 1964. 107.6 Y14
- 63460 PARPIA, H. A. B., SWAMINATHAN, M., and BHATIA, D. S. Peanut protein foods for protein-poor countries. *J. Food Sci. Technol. [Mysore]* 2(1):17-33. Ref. Apr.1965. 389.8 J823
- 63461 RINNO, G. The value of vegetables in nutritional physiology. (Ge) *Zuchter* 35(6):255-259. 1965. 442.8 Z8
- 63462 SCHILLINGER, A. On the vitamin content and the vitamin C stability of wild and cultivated blueberries. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(2):65-70. Ref. 1966. 384 Z39
- 63463 SILIPRANDI, N. Biological value and nutritional importance of meats. (It) *Minerva Dietol.* 5(3):122-129. July/Sept.1965. 289.8 M66
- 63464 SUBRAHMANYAN, V. The role of milk and milk products in tropical nutrition. *Ned. Melk-Zuiveltijdschr.* 19(4):331-342. Oct./Dec.1965. 44.8 N283
- 63465 SYMPOSIUM ON NUTRITIONAL SIGNIFICANCE OF THE NON-NUTRIENT COMPONENTS OF FOOD. [Papers] *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 25(1,pt.1):102-144. Ref. Jan./Feb.1966. 442.9 F31P
Introductory remarks, by L. Friedman; Naturally occurring toxicants in foods, by O. Mikkelsen and M. G. Yang, p.104-123; Physiologically significant food contaminants, by G. N. Wogan, p.124-129; Nutritional impact of modern food processing, by J. A. Campbell and A. B. Morrison, p.130-136; Nutritional status and biological response, by L. Friedman, p.137-144.
- 63466 TERRA, G. J. A. Production of tropical foods in relation to modern quality requirements. (Du) *Landbouwkundig Tijdschr.* 77(16):601-614. Sept.1965. 105.2 Or3
The available products and their nutritive value.
- 63467 VANOSSI, L. Vitamins of yeast. (It) *Tec. Molitoria* 16(12):129-132. June 1965. 298.8 Se42

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 63468 ALBERTA. DEPT. OF AGRICULTURE. Annual report for the year 1964. Edmonton, 1965. 247 p., map. 7 AL12
- 63469 ALT DET nyeste inden for landbrug, havebrug og husholdning [All the most recent in agriculture, horticulture and home economics], 1955-66. Kobenhavn, Danske Landhusholdningsselskab, 1965. 33.11 AL7
- 63470 AMERICAN SOCIETY FOR MICROBIOLOGY. Bacteriological proceedings, 1965; abstracts of the 65th annual meeting, Atlantic City, April 25-29, 1965. Ann Arbor, Mich., 1965. 151 p. 448.39 S612A
Includes agriculture.
- 63471 ANDREICHIN, R. Application of semiconductors in agrobiolgy and biology. (Bu) Priroda [Sofia] 13(6):9-12. Nov./Dec. 1964. 410 P934
- 63472 ANTAL, D. Installations for plant protection. (Hu) Magyar Mezogazdasag 21(11):15. (Cont.) Mar. 16, 1966. 19 M27
Storage of economic poisons, chiefly.
- 63473 ANTAL, D. Installations for plant protection. II. (Hu) Magyar Mezogazdasag 21(12):12-13. Mar. 23, 1966. 19 M27
Storage structures for economic poisons.
- 63474 ANTIGUA. AGRICULTURAL DEPT. Annual report for the year 1963. Antigua, 1966. 33 p. 102 W52
- 63475 BERMUDA. DIRECTOR OF AGRICULTURE AND FISHERIES. Annual report for the year 1964. Hamilton, 1965. 34 p. 8 B45
- 63476 BEZUGLYI, S. Prospects for producing new forms of pesticides. (Rus) Zashch. Rast. Vred. Boleznei 3:9-11. 1965. 421 Z1
- 63477 BONFIGLIOLI, O. The application of plastics in agriculture. (It) Agricoltura 15(3):14-20. Mar. 1966. 16 Ag8226
- 63478 BRANDENBERGER, H., and MULLER, S. Detection of pesticides through combination of double canal gas chromatography and spectrophotometry. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):281-292. 1965. 389.9 Sw6
- 63479 BRITISH VIRGIN ISLANDS. DEPT. OF AGRICULTURE. Report for the year 1964. n.p., 1965? 14 p. 8 V81
- 63480 BRUIN, H. J. DE. Some points on the economic poisons law of 1962. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 23(1):3-5. Jan. 1966. 12 N383M
- 63481 BURCHFIELD, H. P. Chromatographic and infrared methods for the analysis of pesticides in water. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p. 91-107. Ref. 1965. 387 M43
- 63482 BURCHFIELD, H. P., and others. Selective detection systems in the analysis of drugs and pesticides. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p. 129-146. 1965. 387 M43
D. E. Johnson, J. W. Rhoades, and R. J. Wheeler, joint authors.
- 63483 CALIFORNIA. DEPT. OF AGRICULTURE. FIELD CROPS AND AGRICULTURAL CHEMICALS, SACRAMENTO. Pesticides 1964-1965; a summary of decisions on economic poisons analyzed in fiscal year ended June 30, 1965. Sacramento, 1965. 113 p. 381 C12
- 63484 CHEMICAL WEEK. 1966 buyers' guide issue: chemicals. New York, 1965. 614 p. 225 D84
Agricultural chemicals included.
- 63485 COLWELL, R. N. Aerial photography—a valuable sensor for the scientist. In Brode, W. R., ed. Science in progress, ser. 15, p. 21-62, map. Ref. New Haven, Yale Univ. Press, 1966. 330 B16
Includes applications to forestry, range management, and crops.
- 63486 COSMO, A. Fish culture as supplement on the farm. (It) Agr. Venetie 19(9):419-429. Sept. 1965. 16 Ag826
Use of waters on farms for fish production.
- 63487 DRC 1339 FOUND toxic to starlings only; many more tests planned in California. Pest Contr. 34(2):52. Feb. 1966. 449.8 Ex8
Pests in rural area.
- 63488 GIACOMINI, V. Significance and function of national parks. (It) Agricoltura 14(2):27-54. Feb. 1965. 16 Ag8226
- 63489 GRAESER, H. Plastics in agriculture. (Ge) DLZ (Deut. Landtech. Z.) 17(3):138, 140, 142. Mar. 1966. 58.8 T677
Various uses.
- 63490 GRANDCHAMP, V. Precautions for their use. (Fr) Paysans 10(58):119-124. Feb./Mar. 1966. 14 R323
Economic poisons.
- 63491 HARRIS, L. P. Know your pesticides. Amer. Rose Annu. 51:73-77. 1966. 81 Am31A
Chiefly their properties.
- 63492 HAWAII. DEPT. OF AGRICULTURE. Report, fiscal period ending June 30, 1965. Honolulu, 1966. 52 p. 2 H31
- 63493 HOUTEN, J. G. TEN. Risks for the balance of nature deriving from the use of certain technical processes in agriculture. (Fr) Confed. Europe. Agr. Publ. CEA 31:148-160. Ref. 1965. 28 C763
Includes land clearing and use of fertilizers and economic poisons.
- 63494 HYDE, R. M. Civil defense leader's guide. Wyo. Univ. Ext. [4-H Club. Circ.] CD-6, 19 p. Ref. Apr. 1965. 275.29 W99Fc
- 63495 INTER-AMERICAN SYMPOSIUM ON THE PEACEFUL APPLICATION OF NUCLEAR ENERGY, 5. VALPARAISO, 1964. Papers. Washington, Pan Amer. Union, 1965. 264 p. 173 At7Pi
Papers and abstracts in English, Spanish and Portuguese.
Includes papers in various fields of agriculture.
- 63496 ISRAEL CHEMICAL SOCIETY. Proceedings of the XXXV meeting, Haifa, February, 1966. Israel J. Chem. 3(4a), 143 p. Ref. Feb. 1966. 385 Is7
Abstracts, including agricultural subjects.
- 63497 JAY, R. A cool approach to hot chemicals. Farm Quart. 21(2):58-59, 108. Spring 1966. 6 F22995
Used by farmers; safety.
- 63498 KECK, G. Radioactive fallout measurements in 1963 and 1964. (Ge) Wien. Tierarztl. Monatsschr. 52(11):967-972. Ref. Nov. 1965. 41.8 T345
English summary.
- 63499 KHOLODKOVSKII, N. A. Generalizations in biological sciences. (Rus) Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 15:5-11. 1964. 420 V96
- 63500 KLYCHNIKOV, V. M. Agrokhimicheskaya sluzhba v sel'skom khozyaistve [Agrochemical services on the farms]. Moskva, Kolos, 1964. 184 p. Ref. S587.K5
- 63501 KNOWLTON, G. F., and JENSEN, L. A. Use only safest pesticides about the home. Utah. State Univ. Ext. Entomol. Mimeo Ser. 83, rev., 3 p. Feb. 1966. 275.29 UtlEn
Includes chemicals for weed control.
- 63502 KNOWLTON, G. F., and ROBERTS, R. S. Use pesticides safely in and about the home. Utah. State Univ. Ext. Entomol. Mimeo Ser. 52, rev., 1 p. Jan. 1966. 275.29 UtlEn

- 63503 KRASILNIKOV, N. A. Toxic chemicals in agriculture. (Rus) Priroda [Moscow] 1:13-22. 1966. 410 P933
- 63504 KRONBERGS LANS HUSHALLNINGSSALLSKAP. Handlingar. Ny foljd [Proceedings of Kronoberg Province Agricultural Society. New series], CI, 1965. 145 p. 11 K92
- 63505 LAWS, E. R. What to do after a pesticide accident. Pest Contr. 34(1):8-10. Jan.1966. 449.8 Ex8
- 63506 LEWIS, W. Thermal conductivity-temperature relationship for nine glass and asbestos fiber-reinforced aircraft plastics. U. S. Forest Serv. Res. Paper FPL 36,14 p. Aug.1965. A99.9 F7634U
- 63507 MARAIS, P. G., and SMIT, W. B. DE. Tables to correct for resolving time counting losses of nucleonic apparatus. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 37,49 p. 1965. 24 So863
With relation to agriculture.
- 63508 MATTICK, L. R., and SZYMANSKI, H. A., ed. Lectures on gas chromatography, 1964; agricultural and biological applications. New York, Plenum Press, 1965. 256 p. Ref. 387 M43
Based on papers presented at the 1964 Cornell University Pesticide Workshop and the 1964 Canisius College Gas Chromatography Institute.
- 63509 MERCER, R. Agriculture and supply industries all up. Can. Farm Equip. Dealer 62(4):40-45. Apr.1966. 58.8 C163
Equipment, fertilizer and pesticides marketing.
- 63510 MOSS, F. E. Why I'm for a Department of Natural Resources. Amer. Forests 72(3):16-17,46. Mar.1966. 99.8 F762
- 63511 MOYE, H. A. The analysis of trace quantities of pesticides utilizing thin layer chromatography and phosphorimetry. Diss. Abs. 26(3):1314. Sept.1965. 241.8 M58
- 63512 NELSON, D. Wise use of natural resources has changing values. J. Forest. 64(4):227-229. Apr.1966. 99.8 F768
California.
- 63513 NEVADA. DEPT. OF CONSERVATION AND NATURAL RESOURCES. Annual report, July 1, 1964 to June 30, 1965. Carson City, 1966. 41 p. 279.9 N412
Includes the Divisions of Forestry, State Lands, and Water Resources.
- 63514 NEW BRUNSWICK. DEPT. OF AGRICULTURE. Annual report for the year ended March 31st 1965. Fredericton, 1965. 174 p. 7 N42
- 63515 NORTHERN NIGERIA. MINISTRY OF AGRICULTURE. Annual report, 1963-1964. Kaduna, 1965. 26 p. 24 N562
- 63516 PANATTONI, A. The sectors using plastics the most. (It) Agricoltura 15(3):21-27. Mar.1966. 16 Ag8226
In agriculture.
- 63517 PAUL, C. Agricultural chemicals: a major factor in America's farm production leadership. Calif. Citrogr. 51(6):222,243-245. Apr. 1966. 80 C125
- 63518 PAVLOVSKII, E. N. On the article by N. A. Kholodkovskii "Generalizations in biological sciences." (Rus) Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 15:3-4. 1964. 420 V96
- 63519 PORTER, W. W. The public domain heart of the Republic. IV. Natural resources—conservation and use. Amer. Forests 72(4):28-31,53-55,57-59. Apr.1966. 99.8 F762
- 63520 RAMAUT, J. L. Pesticides, biocenosis and side chains. (Fr) Natur. Belg. 46(8):348-391. (Cont.) Oct.1965. 410.9 N21
Insecticides, herbicides and fungicides and their toxicity.
- 63521 RHOADES, J. W., and others. New gas chromatographic instrumentation for pesticide and drug analysis. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p.33-39. 1965. 387 M43
R. J. Wheeler, D. E. Johnson, and H. P. Burchfield, joint authors.
- 63522 RUBEN, J. Whither economic poisons? (Du) Loonbedrijf Land- Tuinbouw 18(11):853,855, 857. Nov.1965. 283.8 L87
Hazards.
- 63523 SAMVIRKENDE SJAELLANDSKE LANDBOFORENINGER. Beretning [Report of the Federation of Zealand Agricultural Societies], 1965. n.p., 1966. 131 p. 11 Z1Be
- 63524 SANCHEZ O'DONOGHUE, J. For a policy of pesticides in Colombia. (Sp) Agr. Trop. 21(6):301-327. Ref. June 1965. 26 Ag8
The industry and regulation.
- 63525 SCHIEL, E. Microbiology program (basic document). (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:18-24. Oct.1965. 9 Id3
Microbiology applied in various fields of agricultural research by the National Institute of Agricultural Technology [Instituto Nacional de Tecnologia Agropecuaria].
- 63526 SCHNEIBLE, S. R. Small package pesticides. Soap Chem. Spec. 42(3):118-119,121,131. Mar. 1966. 307.8 So12
- 63527 SCHWEIZERISCHE GESELLSCHAFT FUR ANALYTISCHE UND ANGEWANDTE CHEMIE. Report of the 76th annual meeting, September 4 and 5, 1964, at Solothurn. (Ge) Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 55(6):415-521. 1964. 389.9 Sw6
Text in French, or in German.
- 63528 SCHWEIZERISCHE GESELLSCHAFT FUR ANALYTISCHE UND ANGEWANDTE CHEMIE. Report on the 77th annual meeting of the Swiss Society for Analytical and Applied Chemistry, September 3-4, 1965, in Zermatt. (Ge) Mitt. Geb. Lebensmitteluntersuch. Hyg. 56(4):203-319. Ref. 1965. 389.9 Sw6
Text in French, or in German.
- 63529 ST. PROS, I. Controlling voles at their wintering places. (Hu) Magyar Mezőgazdaság 21(12):13. Mar.23,1966. 19 M27
Agricultural pests.
- 63530 SILVA, A. M. DA. Brief summary of the development of the Service of Agriculture and Forestry and Service of Agriculture [Servico da Agricultura e Florestas and Servico da Agricultura] from 1952 to 1965. (Por) Gaz. Agr. [Lourenco Marques] 17(195):226-237. Aug. 1965. 24 G25
- 63531 SIMS, M. E. I'd rather fight than change. Feed Farm Supplier 40(4):30-33. Apr.1966. 47.8 H28
Selling farm supplies.
- 63532 SKARABORGS LANS HUSHALLNINGSSALLSKAP. Arsberattelse [Annual report of Skaraborg Province Agricultural Society], 1964. Skara, 1965. 112 p. 11 Sk1Ar
- 63533 SMITH, F. J., and MOELLER, R. J. Evaluating performance in the American farm supply trade. Agr. Merchant 45(9):54-55,58. Sept. 1965. 10 Ag89
- 63534 SMITHSONIAN INSTITUTION. Annual report of the Board of Regents showing the operations, expenditures, and condition of the Institution for the year ended June 30, 1964. Washington, 1965. 553 p. Ref. 500 Sm6R
- 63535 SMITHSONIAN INSTITUTION. Report of the Secretary and financial report of the Executive Committee of the Board of Regents for the year ended June 30, 1964. Washington, 1965. 293 p. 500 Sm6S
- 63536 SMITHSONIAN INSTITUTION. Smithsonian year 1965; annual report of the Smithsonian Institution for the year ended June 30, 1965, including the financial report of the Executive Committee of the Board of Regents. Washington, 1965. 439 p. 500 Sm6S

- 63537 SOCIETY OF CHEMICAL INDUSTRY, LONDON. Reports on the progress of applied chemistry, vol. XLIX:1964. London, 1964. 801 p. Ref. 382 M31R
Literature reviews, including agricultural chemistry.
- 63538 STAMM, J. A. Theory of the microcoulometric gas chromatography as applied to pesticide residue analysis. In Mattick, L. R., and Szymanski, H. A., ed. Lectures on gas chromatography, p.53-58. 1965. 387 M43
- 63539 STILES, D. Traps reduce starlings 33% in Syracuse. Pest Contr. 34(2):16-18,22. Feb. 1966. 449.8 Ex8
- 63540 STRADER, H. L. A program of conservation education: a sourcebook for teaching conservation in science programs (with special reference to the problems and policies in the area of Richmond, Virginia). Diss. Abs. 26(8):4189. Feb.1966. 241.8 M58
- 63541 STRATTON, C. How to survive in suburbia. Feed Farm Supplier 40(2):46-47,60. Feb.1966. 47.8 H28
Interview with J. L. Reed.
Marketing of farm supplies and feed.
- 63542 SZEKER, GY., LEVAI, T., and NAGY, G. S. Experiences in connection with investments of the chemical industry in the second Five-Year Plan. II. (Hu) Magyar Kem. Lapja 21(2):57-64. Feb.1966. 385 M27
English summary.
Includes agricultural chemicals.
- 63543 TAPP, J. W. California State Board of Agriculture. Pear Growers League. Annu. 1965:21. 286.3939 P31
- 63544 THOMAS, P. M. Precautions in handling toxic chemicals (insecticides, fumigants, raticides) in warehouses. Warehousing Newslett. 8(2):11, 23. Mar.1965. 280.38 W22
- 63545 TOKYO. UNIVERSITY. INSTITUTE OF APPLIED MICROBIOLOGY. Reports from the Institute. Tokyo, 1964. 561 p.,map. Ref. 448.39 T57
- 63546 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1967. Hearings, 89th Cong., 2d sess. 1. Washington, 1966. 501 p., map. 1 Ag81Hes
- 63547 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1967. Hearings, 89th Cong., 2d sess. 2. Washington, 1966. 740 p., map. 1 Ag81Hes
- 63548 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1967. Hearings, 89th Cong., 2d sess. 3. Washington, 1966. 685 p., map. 1 Ag81Hes
- 63549 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1967. Hearings, 89th Cong., 2d sess. 4. Washington, 1966. 317 p. 1 Ag81Hes
- 63550 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture appropriations for 1967. Hearings, 89th Cong., 2d sess. 5. Washington, 1966. 750 p. 1 Ag81Hes
- 63551 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture and related agencies appropriation bill, 1967. Report, 89th Cong., 2d sess. Washington, 1966. 67 p. 1 Ag81R
- 63552 U. S. CONGRESS. SENATE. COMMITTEE ON GOVERNMENT OPERATIONS. Interagency coordination in environmental hazards (pesticides). Hearing, 88th Cong., 2d sess.; agency coordination study (pursuant to S. Res. 288, 88th Cong.), coordination of activities relating to the use of pesticides, April 16, 21, and 22, 1964. Part 10 (including exhibits). Washington, 1965. p.2063-2243. Ref. 395 Un34
- 63553 U. S. CONGRESS. SENATE. COMMITTEE ON GOVERNMENT OPERATIONS. Interagency coordination in environmental hazards (pesticides). Hearings, 88th Cong., 2d sess.; agency coordination study (pursuant to S. Res. 288, 88th Cong.); coordination of activities relating to the use of pesticides, April 30, June 29, July 28 and 29, 1964. Part 11 (including exhibits). Washington, 1966. p.2245-2628. 395 Un34
- 63554 U. S. DEPT. OF AGRICULTURE. Budget estimates for the United States Department of Agriculture for the fiscal year ending June 30, 1967. Washington, 1966. various paging. 1 Ag87Es
- 63555 U. S. DEPT. OF AGRICULTURE. Project and geographic breakdown, budget estimates, 1967. Washington, 1966. 293 p. 1.90 A2P948
- 63556 U. S. DEPT. OF THE INTERIOR. The population challenge; conservation yearbook No. 2. Washington, 1966. 80 p. S914.U48
Includes natural resources conservation.
- 63557 U. S. DEPT. OF THE INTERIOR. Quest for quality; conservation yearbook [No.1]. Washington, 1965. 96 p.,map. S914.U48
- 63558 U. S. TENNESSEE VALLEY AUTHORITY. TVA today, 1965-1966. Knoxville, 1965. 28 p.,map. TK1425.M8T3
Includes agricultural aspects.
- 63559 WACHTEL, U. Some current problems of modern infant nutrition. 2. (Ge) Ernähr.-Umsch. 13(3):71-73. Mar.1966. 389.8 Er66
- 63560 WHITE HOUSE CONFERENCE ON NATURAL BEAUTY, WASHINGTON, 1965. Report to the President; statement by the Chairman and summations by the 15 panel chairmen; the President's response; remarks of the President. Washington, 1965. 47 p. S912.W5
- 63561 WHITEMAN, E. E. A comparative study of the effect of a traditional and a specially designed college course in biology upon conservation attitudes. Diss. Abs. 26(8):4150. Feb.1966. 241.8 M58
- 63562 WILSON, E. B. Small town planning for civil defense. Amer. Soc. Agr. Eng. Pap. 930,3 p. 1965. 290.9 Am32P
- 63563 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Big game animals and furbearers record book; a 4-H wildlife appreciation project. Wyo. Univ. Ext. [4-H Club. Circ.]WL-10a,13 p. July 1965. 275.29 W99Fc
- 63564 ZWANZIG, G. W. Landscape conservation law in central Europe. (Ge) Erde 96(4):301-303. 1965. 474 Erl

BIOGRAPHY

- 63565 AEHNELT, E. Chief agricultural administrative councilor Dr. Christian Sell is 60 years old. (Ge) Deut. Tierarztl. Wochensh. 72(22): 538. Nov.15,1965. 41.8 D482
- 63566 ALBERT Eggen is dead. (No) Meieriposten 55 (16):355-356. Apr.23,1966. 44.8 M47
- 63567 ALLODIATORIS, I. Viktor Janka, 1837-1890. (Hu) Elovilag 10(4):249. 1965. 410 EL6
- 63568 ARTHUR Raymond Gordon Emslie. Poultry Sci. 45(2):427. Mar.1966. 47.8 Am33P
Obituary.
- 63569 AZEVEDO, A. L. Joaquim Vieira Botelho da Costa, professor and scientist. (Por) Agros [Lisboa] 48(1/2):27-30. Jan./Apr.1965. 15.5 Ag82
- 63570 BAIER, W., and RINDERLE. On the sixtieth birthday of Dr. h. c. Karl Eibl. (Ge) Tierarztl. Umsch. 21(4):159-161. Apr.1,1966. 41.8 T445
- 63571 BAJAI, J. Janos Suranyi (1886-1965). (Hu) Novenytermeles 15(1):1-4. Mar.1966. 64.8 N76
- 63572 BARBIER, G. Note on Sir John Russell, foreign member. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(14):959-961. Oct.20/27,1965. 14 P215Bc

- 63573 BARTELS, G. Prof. Dr. H. Keller of Giessen died. (Ge) Tierarztl. Umsch. 21(3):143. Mar.1,1966. 41.8 T445
- 63574 BARTELS, H. Professor Dr. Hugo Keller of Giessen died. (Ge) Arch. Lebensmittelhgy. 17(2):46-47. Feb.1966. 41.8 L49
- 63575 BELJERS, J. A. Some hitherto unknown peculiarities about G. J. Hengeveld, teacher of the State Veterinary School at Utrecht 1853-1881. (Du) Tijdschr. Diergeneesk. 91(4):215-222. Feb.15,1966. 41.8 T431
English summary.
- 63576 BEL'GARD, A. L. G. N. Vysotskii as geobotanist. (Rus) Les. Khoz. 10:12-13. Oct.1965. 99.8 L5622
- 63577 BENNETT, J. H. William Whaley, planter of seventeenth-century Jamaica. Agr. Hist. 40(2):113-124. Ref. Apr.1966. 30.98 Ag8
- 63578 BERG, K. Sven Ekman, 1876-1964. Hydrobiologia 27(1/2):274-286. Jan.31,1966. 410 H992
Includes list of publications.
- 63579 BERLIN.HUMBOLDT UNIVERSITAT. VETERINARMEDIZINISCHE FAKULTAT. Honorary degrees. (Ge) Monatsh. Veterinarmed. 20(24):1016-1019. Dec.15,1965. 41.8 M742
Conferred to V. Butozan, R. A. Zion, J. Mocsy, M. Moskov, K. Nehring, and H. Paech, joint authors.
- 63580 BOER, H. DE, HOEKSTRA, P., and LEVER, J. In memoriam Prof. Dr. J. J. Duyvene de Wit. (Du) Veeteelt Zuivelber. 8(11):443-444. Nov.1965. 49 V51
- 63581 BOLLA, G. In memory of Carlo Frassoldati. (It) Riv. Diritto Agr. 44(1/2.pt.1):3-7. Jan./June 1965. 16 R524
Includes a list of his writings.
- 63582 BOOGAERT, D. H. VAN A. 100 year Mendel. (Du) Veeteelt Zuivelber. 8(7/8):320-321. July/Aug.1965. 49 V51
- 63583 BOVEY, P. Anna Maurizio retires. (Fr) J. Suisse Apicult. 63(1/2):5-6. Jan./Feb.1966. 424.9 S01
- 63584 BOVEY, P. Retirement of Dr. A. Maurizio. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(1):5-7. Jan.1966. 424.8 Sch9
- 63585 BREIREM, K. Oscar Kellner, May 13, 1851-September 22, 1911. (Du) Voeding 27(3):83-91. Mar.15,1966. 389.8 V85
- 63586 BRENN, A. Linard Nicolay-Falett, Bergun. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(2):83-84. Feb.1966. 424.8 Sch9
- 63587 BUINING, A. F. H. Curt Backeberg†. (Du) Succulenta 45(2):19. Feb.1966. 450 Su12
- 63588 CAJAL, N. Academician Stefan S. Nicolau-70th birthday. Acta Virol. 10(2):183. Mar. 1966. 448.3 Ac85
- 63589 CARLSON, E. A. Oliver Evans (1755-1819). Amer. Soc. Agr. Eng. Pap. 847,9 p.,map. 1965. 290.9 Am32P
- 63590 A CELEBRITY in the world of apiculture departs; L. E. Snelgrove. (Fr) Gaz. Apic. 67(705):31,48. Feb.1966. 424.8 G25
- 63591 CERNY, L. The life-jubilee of Prof. MVDr. Augustin Sokol. (Cz) Veterinarstvi 15(12):569. 1965. 41.8 V6439
- 63592 CHEREMISINOV, N. A. Isaac Grigorievich Beilin (1883-1965). (Rus) Bot. Zhur. [Moscow] 51(1):143-144. 1965. 451 R923
- 63593 CHEREMISINOV, N. Maksim Semenovich Utkin. (Rus) Zashch. Rast. Vred. Boleznei 3:62-63. 1965. 421 Z1
- 63594 CHRISTIANSEN, S. A. The Hortonom-disk was awarded to consultant Christian Fich for the first time. (Da) Horticultura 20(4):59-60. Apr.1966. 80 H7825
- 63595 CLELAND, R. E. Otto Renner 1883-1960. Genetics 53(1):1-6. Jan.1966. 442.8 G23
- 63596 CONTRIBUTION of the scientist to fodder ensilage. (Rus) Zhivotnovodstvo 3:77-78. Mar. 1966. 49 Z6
A. A. Zubrillin.
- 63597 CRUM, H. A tribute to Edwin B. Bartram. Bryologist 69(1):124-134. Spring 1966. 450 B84
Includes list of publications.
- 63598 DALBRO, S. Consultant Christian Fich. (Da) Horticultura 20(4):61. Apr.1966. 80 H7825
- 63599 DAVIS, L. G. Obituary: Kelvin Dorward, 1908-1965. J. Econ. Entomol. 59(1):246-247. Feb. 1966. 421 J822
- 63600 D. D. VERDEREVSKII. (Rus) Zashch. Rast. Vred. Boleznei 3:59. 1965. 421 Z1
- 63601 DEGEN, W. Dr. med. vet. Max Gysler of Liestal died. (Ge) Schweiz. Arch. Tierheilk. 108(2):101-102. Feb.1966. 41.8 Sch9
- 63602 DIERNHOFER, K. Professor Dr. DDr.h.c. David Wirth is 80 years old. (Ge) Wien. Tierarztl. Monatsschr. 52(12):1092-1093. Dec. 1965. 41.8 T345
- 63603 DMITRII Ivanovich Startsev. (Rus) Zhivotnovodstvo 2:89. Feb.1966. 49 Z6
- 63604 DR. A. W. WOODROW retires. Amer. Bee J. 106(2):54. Feb.1966. 424.8 Am3
- 63605 DR. [ALAN] Woodrow retires. Gleanings Bee Cult. 94(2):111. Feb.1966. 424.8 G47
- 63606 DR. CLIFFORD B. Purves (1902-1965). Trend 7:22. Spring 1966. 302.8 T72
- 63607 DR. DYCE retires. Amer. Bee J. 106(2):58-59. Feb.1966. 424.8 Am3
- 63608 DR. MARIO Ruzzi. (It) Nuovo Prog. Vet. 21(3):128,130. Feb.15,1966. 41.8 P942
- 63609 DRIEUX, H. Adrien Coquot, 1876-1966. (Fr) Rec. Med. Vet. 142(2):77-82. Feb.1966. 41.8 R24
- 63610 DYK, V. The contribution of O. V. Hykes to biology, physiology and veterinary medicine. (Cz) Veterinarstvi 15(12):568-569. 1965. 41.8 V6439
- 63611 ECKMULLNER, O. On the 60th birthday of Prof. Dr. h. c. Julius Speer. (Ge) Centralbl. Gesamte Forstwesen 83(1):57-58. Mar.1966. 99.8 C33
- 63612 EMANUILOV, I. Academician Professor Dr. S. Angelov (Feb. 28, 1878-Oct. 1, 1964). (Bu) Priroda [Sofia] 13(6):115-116. Nov./Dec.1964. 410 P934
- 63613 ERLING Hylen is dead. (No) Meieriposten 55(10):215-216. Mar.12,1966. 44.8 M47
- 63614 ERIK Grorud will be 80 years old April 10. (No) Gartneryrket 56(14):344-345. Apr.1,1966. 80 G1938
- 63615 FAMOUS anniversary of the scientist and pedagog. (Rus) Zhivotnovodstvo 2:86. Feb.1966. 49 Z6
Ya. G. Gubarevich.
- 63616 50 YEARS of service to science. (Rus) Les. Khoz. 10:61. Oct.1965. 99.8 L5622
A. P. Shimanyuk.
- 63617 FINDLEY, S. H. Alexander J. Bondurant: American agricultural adviser to Australian tobacco growers, 1896. Agr. Hist. 40(2):125-130. Ref. Apr.1966. 30.98 Ag8
- 63618 FLOTTER, L. Veterinary councilor Dr. Kurt Barth of Cottbus died. (Ge) Monatsh. Veterinarmed. 20(23):982. Dec.1,1965. 41.8 M742
- 63619 FLUCKIGER, G. Dr. med. vet. Alois Omlin of Lungern died. (Ge) Schweiz. Arch. Tierheilk. 108(2):100-101. Feb.1966. 41.8 Sch9
- 63620 FRENS, A. M. In memoriam Prof. Dr. J. W. Pette. (Du) Tijdschr. Diergeneesk. 91(6):421-423. Mar.15,1966. 41.8 T431
- 63621 FRITZ Jegge, Zug. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(2):82. Feb.1966. 424.8 Sch9
- 63622 FRITZSCHE, K. Chief state veterinary councilor Dr. P. Imhoff of Diez is 65 years old. (Ge) Tierarztl. Umsch. 21(4):197-198. Apr.1, 1966. 41.8 T445
- 63623 FRITZSCHE, K. Professor Dr. Hugo Keller of Giessen died. (Ge) Deut. Tierarztl. Wochenschr. 73(4):93-94. Feb.15,1966. 41.8 D482

- 63624 G. A. PATERILO. (Rus) Zashch. Rast. Vred. Boleznei 3:58. 1965. 421 Z1
- 63625 GALESLOOT, T. E. Presentation of the first "Friesland" Award to Dr. V. Subrahmanyam. Ned. Melk-Zuiveltijdschr. 19(4):328-330. Oct./Dec.1965. 44.8 N283
Awarded by Cooperative Milk Products Factory [Cooperative Condensfabriek Leeuwarden].
- 63626 GIBSON, T. E., and TAYLOR, R. B. Dr. E. L. Taylor. Vet. Rec. 78(11):386-388. Mar.12, 1966. 41.8 V641
- 63627 GOLD, T. M. Vladislav Adolphovich Rotert (1863-1916). (Rus) Bot. Zhur. [Moscow] 51(1):145-151. 1965. 451 R923
Includes list of his publications.
- 63628 GLADSTONE Hume Cale, Sr. Amer. Bee J. 106(2):46. Feb.1965. 424.8 Am3
- 63629 GYULA, K. In memory of Dr. Agoston Zimmermann (Dec.3,1875-Oct.6,1963). (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:12-14. 1965. 41.9 B85
- 63630 HANKE, W. Hermann Gaus died. (Ge) Landtech. Forsch. 16(1):13. 1966. 58.8 L2332
- 63631 HERREN. Awarding of the Otto Appel commemorative medal. (Ge) Berlin. Biol. Bundesanst. Land-Forstwirtschaft. 115:1-3. June 1965. 410.9 G31M
To Dr. H. Bremer, phytopathologist.
- 63632 HICKIN, N. E. H. Maxwell Lefroy, a pioneer in preservative treatment of timber in buildings. B.W.P.A. (Brit. Wood Preserv. Ass.) News Sheet 59:1-2. Feb.1966. 300.9 B77B
- 63633 HOLLE, A. H. Dr. Josef Warnking is 65 years old. (Ge) Deut. Tierarztl. Wochenschr. 72(22):537-538. Nov.15,1965. 41.8 D482
- 63634 HOPPE, F. G. In memoriam Andreas Andresen Moller, 12/17/1906-1/23/1966. (Da) Danske Dyrslaegerfor. Medlemsbl. 49(5):219. Mar.1, 1966. 41.9 D23
- 63635 HORVATH, Z. Janos Mocsy professor is 70 years old. (Hu) Magyar Allatorv. Lapja 20(11):481-482. Nov.1965. 41.8 V644
- 63636 HOUDINIÈRE, A. Necrology note—H. Simonnet (1891-1965). (Fr) Acad. Vet. France. Bull. (n.s.)38(8):309-310. Oct.1965. 41.9 R24
- 63637 HUNDT, W. Professor Reinhold Tuxen 65 years old. (Ge) Lebendige Erde 3:132-134. May/June 1965. 18 L49
- 63638 ILIEV, A. 60th birthday anniversary of Prof. Yu. Dukhovnikov. (Bu) Gorsko Stopanstvo 21(1):43-44. Jan.1965. 99.8 G682
- 63639 IN MEMORIA di Eliseo Iandolo, 3 maggio 1965 [In memory of Eliseo Iandolo, May 3, 1965]. Bonifica Integrale 19(5),42 p. May 1965. 55.9 As72
Contributions by M. Ferrari Aggradi, G. Medici, G. Andalo, A. Bruno, S. Fusco, N. Pappalardo, G. Pescatore, and M. Rossi Doria.
- 63640 IN MEMORIAM. (No) Korn Mag. 1:13. 1966. 59.8 K84
Gunnar Overby.
- 63641 IN MEMORIAM Carl Graf von Hardenberg. (Ge) Z. Zuckerindus. 15(11):657. Nov.20,1965. 65.8 D48
- 63642 IN MEMORY of A. L. Efimov. (Rus) Zashch. Rast. Vred. Boleznei 3:62. 1965. 421 Z1
- 63643 IN MEMORY of G. E. Ermakov. (Rus) Zhivotnovodstvo 2:87-88. Feb.1966. 49 Z6
- 63644 IN MEMORY of I. L. Seryugin. (Rus) Veterinariya 10:126. Oct.1965. 41.8 V6426
- 63645 IN MEMORY of I. P. Milovantsev. (Rus) Veterinariya 10:126. Oct.1965. 41.8 V6426
- 63646 IN MEMORY of I. V. Vasil'chenko. (Rus) Veterinariya 10:126. Oct.1965. 41.8 V6426
- 63647 IN MEMORY of Professor P. I. Shipenko. (Rus) Gidrotekh. Melior. 3:63. Mar.1966. 290.8 G362
- 63648 INAUGURATION ceremony of the Rector Magnificus of the Tierarztliche Hochschule in Vienna for the academic year 1965/66, Dr. Michael Zacherl, November 4, 1965. (Ge) Wien. Tierarztl. Monatsschr. 53(1):1-19. Jan.1966. 41.8 T345
Speeches by A. Kment and M. Zacherl.
- 63649 INGVAR Gjedrem will be 60 years old. (No) Meieriposten 55(16):354-355. Apr.23,1966. 44.8 M47
- 63650 JASTRZEBSKI, T. Sixtieth birthday of Prof. Dr. H. Rohrer. (Pol) Med. Weter. 21(12):755. Dec.1965. 41.8 M463
- 63651 JONKER, F. P. In memoriam Prof. Dr. Mr. F. Florschütz. (Du) Vakbl. Biol. 45(10):214-215. Oct.1965. 442.8 V22
- 63652 JORDAN. Dr. Georg Klockow is 70 years old. (Ge) Deut. Tierarztl. 14(3):122. Mar.5, 1966. 41.8 D484
- 63653 KHARITONOVICH, F. N. Prominent forester for steppe areas. (Rus) Les. Khoz. 10:6-7. Oct.1965. 99.8 L5622
G. N. Vysotskii.
- 63654 KIENZLE. Prof. Dr. h. c. Karl Trautwein of Freiburg is 70 years old. (Ge) Tierarztl. Umsch. 21(4):195,197. Apr.1,1966. 41.8 T445
- 63655 KOSTLER, J. N. Professor Hans Pallmann died. (Ge) Forstwiss. Centralbl. 85(1/2):60. Jan./Feb.1966. 99.8 F775
- 63656 KOTOV, M. I., and LYKHVAR, D. F. Mykola Mykolaiovych Hryshko. (Ukr) Ukr. Bot. Zhur. 21(4):112-114. 1964. 450 J8212J
Includes list of publications.
- 63657 KRAAI, J. In memoriam Hendrik Tjeerd van der Veen. (Du) Tijdschr. Diergeneesk. 91(5):334-336. Mar.1,1966. 41.8 T431
- 63658 LANDBOUWVOORLICHTING. Special number issued on the occasion of the passing of Ir. H. T. Tjallema. (Du) Neth. Dir. Landbouw. Landbouwvoorlichting 22(9):423-476. Sept. 1965. 12 N383M
Papers by M. Baars, D. E. Burema, P. Oosterveld, P. B. de Boer, P. A. den Engelse, G. J. Vervelde, P. W. B. Arkema, and J. M. Schijen.
- 63659 LARSEN Odd, Broby. (Da) Dansk Pelsdyravl 29(3):131-133. Mar.20,1966. 412.628 D23
Oluf Larsen Odd is 80 years old.
- 63660 LE DREN, J. Rene Colson. (Fr) Paysans 10(58):67-75. Feb./Mar.1966. 14 R323
Biography of a farmer and journalist of France.
- 63661 LEBEDEV, V. I. On occasion of the 80th birthday of academician A. E. Fersman. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.8,1964:15-17. (JPRS 26,788; TT 64-51045) 173 J663Bio
Geochemist.
Translation from Vestnik Leningradskogo Universiteta—Seriya Geologii i Geografii 2:176-177, 1964.
- 63662 LEROY, A. M. Bartolo Maymone (1884-1965). (Fr) World Rev. Anim. Prod. 4:9-10. Oct./Dec.1965. 49 W89
- 63663 LESTER W. Smith 1901-1965. Mosquito News 25(4):493-494. Dec.1965. 421 M85
- 63664 LEYHAUSEN. District veterinary director Dr. Sonderkamp, of Neuss is 65 years old. (Ge) Deut. Tierarztl. 14(3):119-120. Mar.5,1966. 41.8 D484
- 63665 LOBINA. In memory of Carlo Frassoldati. (It) Ital. Forest. Mont. 20(6):277-278. Nov./Dec.1965. 99.8 It12
- 63666 LOEFF, J. A. VAN DER. Cornelius Van Engelen: agricultural pioneer in eighteenth-century Netherlands. Int. Ass. Agr. Libr. Doc. Quart. Bull. 11(1/2):30-32. Jan./Apr.1966. 243.9 In84Q
- 63667 LOGGINOV, B. I. G. N. Vysotskii as pioneer of scientific reforestation of steppe areas. (Rus) Les. Khoz. 10:8-9. Oct.1965. 99.8 L5622

- 63668 LUND, O. I. J. Moum, Trondheim, died April 12. (No) Gartneryrket 56(15/16):370. Apr.15, 1966. 80 G1938
Necrology.
- 63669 MALIANI, C. First centenary of his birth: Nazareno Strampelli. (It) G. Agr. 76(13):141-142. Mar.27,1966. 16 It1G
- 63670 MANTOVANI, G. In memory of Prof. Luigi Cominotti. (It) Nuovo Prog. Vet. 21(3):126, 128. Feb.15,1966. 41.8 P942
- 63671 MARKUS, J. In memory of Bela Tormay. (Hu) Magyar Allatorv. Lapja 20(11):514-516. Nov. 1965. 41.8 V644
- 63672 MARTINI, S. Gustav Pfau-Schellenberg (1815-1881). (Ge) Schweiz. Landwirt. Monatsh. 43 (6/7):256-263. June/July 1965. 17 Sch93
English summary.
- 63673 MAYER, H. Professor Dr. Kurt Hueck died. (Ge) Forstarchiv 37(2):52-53. Feb.1966. 99.8 F7723
Includes list of publications.
- 63674 MEMORIAL: Erskine M. Harmon 1895-1965. J. Dairy Sci. 49(3):341-342. Mar.1966. 44.8 J822
- 63675 MERKI, P. H. Dr. med. vet. Franz Brunschweiler, veterinarian of Wohlen died. (Ge) Schweiz. Arch. Tierheilk. 108(3):163-165. Mar.1966. 41.8 Sch9
- 63676 MESZAROS, J. Dr. Rezso Manninger in retirement. (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:94-96. 1965. 41.9 B85
- 63677 MICHELbacher, A. E. Obituary: Edward Oliver Essig, 1884-1964. J. Econ. Entomol. 58(6):1174-1175. Dec.1965. 421 J822
- 63678 MIGUEL J. Ossorio. Sugar News [Manila] 42 (1):15-16,26. Jan.1966. 65.8 Su36
- 63679 MINUTO, S. In the name and the spirit of Stefano Musolino. (It) Nuovo Prog. Vet. 21(2): 88. Jan.31,1966. 41.8 P942
- 63680 MITSCHERLICH, Prof. Dr. h. c. Siegmund Schermer of Gottingen is 80 years old. (Ge) Deut. Tierarztl. Wochensh. 73(3):71. Feb.1, 1966. 41.8 D482
- 63681 MORGENTHAUER, O., and BOVEY, R. Round table at Liebfeld in honor of Dr. A. Maurizio. (Fr) J. Suisse Apicult. 63(1/2):6-10. Jan./Feb.1966. 424.9 S01
- 63682 MOSE, E. Otto J. Tofft, 1.6.1894-T1.31.1966. (Da) Danske Dyrlegefor. Medlemsbl. 49(6): 261. Mar.15,1966. 41.9 D23
- 63683 NECROLOGY note—Ph. Parachristophilou (1898-1965). (Fr) Acad. Vet. France. Bull. (n.s.)38(10):487. Dec.1965. 41.9 R24
- 63684 NORGAARD, P. H. 60th birthday. (Da) Maelke-ritidende 79(18):393-394. May 6,1966. 44.8 M26
H. J. Larsen.
- 63685 OBITUARY. Irish Forest. 22(2):138. Autumn 1965. 99.8 Ir4
Dr. Herbert Francis Mooney.
- 63686 OBITUARY; Shri V. P. Mathur (1899-1965). Indian Forest. 92(2):144. Feb.1966. 99.8 In2
- 63687 ORDISH, G. Jean Henri Fabre, entomologist. Trop. Sci. 7(4):184-188. 1965. 26 T756
1965 is the 50th anniversary of his death.
- 63688 ORLOVS'KYI, M. I., and OKANENKO, A. S. Oleksandr Oleksandrovych Tabents'kyi. (Uk) Ukr. Bot. Zhur. 21(6):93-94. 1964. 450 J8212J
- 63689 PEDAGOG, scientist and livestock breeder. (Rus) Zhivotnovodstvo 2:83. Feb.1966. 49 Z6
I. V. Bel'govskii.
- 63690 PER MYRANN will be 50 years old. (No) Gartneryrket 56(13):296-297. Mar.25,1966. 80 G1938
- 63691 PETKOV, I. A deserved award. (Bu) Gorsko Stopanstvo 20(10):4-5. Oct.1964. 99.8 G682
Dimitrov Award presented to Prof. M. Dakov for achievements in forestry.
- 63692 PETROVA, V. Sergey Rufovich Mardashev. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct.8,1964:1-3. (JRPS 26,788; TT 64-51045) 173 J663Bio
Biochemist.
Translation from Meditsinskaya Gazeta, p.1, June 1964.
- 63693 PLASCHKE, Veterinary councilor prof. Dr. med. vet. Hans Drager of Berlin is 70 years old. (Ge) Monatsh. Veterinarmed. 20(21):901-902. Nov.1,1965. 41.8 M742
- 63694 PREAUD, Casimir Fudakowski. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(18):1227-1228. Dec.8/15,1965. 14 P215Bc
- 63695 PROF. Dr. O. Schneider-Orelli, Zurich. (Ge) Schweiz. Z. Obst- Weinbau 101(23):597. Nov.13,1965. 80 Sch9
- 63696 PROF. Dr. R. Schober is 60 years old. (Ge) Forst- Holzwirt 21(3):67-68. Feb.8,1966. 99.8 F7724
- 63697 PROFESSOR A. A. Kapatsinskaya. (Rus) Zhi-votnovodstvo 3:47-48. Mar.1966. 49 Z6
- 63698 PROFESSOR Dr. Friedrich Brune—Bremen. (Ge) Torfnachrichten 16(1/2):5. Jan./Feb. 1965. 57.8 T632
- 63699 PROFESSOR emeritus O. Navez (1878-1965). (Fr) Ann. Med. Vet. 110(1):3-12. Jan.1966. 41.8 An78
Biography by A. Hennau, eulogy by A. Lousse, and list of publications.
- 63700 PROFESSOR Gyula Salyi retired. (Hu) Magyar Allatorv. Lapja 21(1):44. Jan.1966. 41.8 V644
- 63701 PROFESSOR Sandor Kotlan retired. (Hu) Magyar Allatorv. Lapja 21(1):43. Jan.1966. 41.8 V644
- 63702 PROMINENT scientists-livestock breeder. (Rus) Zhivotnovodstvo 2:85-86. Feb.1966. 49 Z6
D. N. Pak.
- 63703 PYATNITSKII, S. S. G. N. Vysotskii as image of a scientist. (Rus) Les. Khoz. 10:2-5. Oct. 1965. 99.8 L5622
- 63704 REINDERS, E. Dr. Jac. P. Thijsse and the Dutch forest. (Du) Ned. Bosbouw Tijdschr. 37(9):263-265. Sept.1965. 99.8 N28
- 63705 RETIREMENT of Miss G. Baumgartner. (Ge) Schweiz. Bienen-Zeitung (n.s.)89(1):7-8. Jan. 1966. 424.8 Sch9
- 63706 ROBERT C. Cook—honorary life member. J. Hered. 56(6):272,300. Nov./Dec.1965. 442.8 Am3
Of the American Genetic Association.
- 63707 SARVAS, R. Professor Erkki K. Kalela. Finland. Metsantutkimuslaitos, Julkaisuja 59:10-13. 1965. 99.9 F493
Necrology.
- 63708 SCHALLER, O. Professor Dr. Josef Schreiber is 75 years old. (Ge) Wien. Tierarztl. Monats-schr. 52(12):1093-1094. Dec.1965. 41.8 T345
- 63709 SCHAPER, Ministerial councilor Dr. Wilhelm Meyer is 70 years old. (Ge) Deut. Tierarztl. Wochensh. 72(14):335. July 15,1965. 41.8 D482
- 63710 SCHMID, G. Alfred Schellenberg is 70 years old. (Ge) Schweiz. Z. Obst- Weinbau 101(23): 596-597. Nov.13,1965. 80 Sch9
- 63711 SCHNEIDER, H. Dr. med. vet. Ulrich Senn, district veterinarian of Buchs died. (Ge) Schweiz. Arch. Tierheilk. 108(3):165-166. Mar.1966. 41.8 Sch9
- 63712 SCHROTER, K. Erich Schilling is 65 years old. (Ge) Landtech. Forsch. 16(1):14. 1966. 58.8 L2332
- 63713 SCHURCH, A. 70th birthday of Prof. Dr. Edgar Crasemann. (Ge) Schweiz. Landwirt. Monatsh. 44(1):3-5. Jan.1966. 17 Sch93
- 63714 SCHURCH, A., and LANDIS, J. Dr. Edgar Crasemann upon his 70th birthday. (Ge) Z. Tierphysiol. Tierernahr. Futtermittelkunde 21 (1):1-4. Ref. Feb.1966. 389.78 Z3

- 63715 SCOTT, W. B. John Richardson Dymond, 1887-1965. Can. Field-Natur. 79(4):219-224. Oct./Dec.1965. 410.9 Ot8
- 63716 SENFFT, H. J. FREIHERR VON. First anniversary of the death of Rachel Carson. (Ge) Lebendige Erde 3:130-132. May/June 1965. 18 L49
- 63717 SENTHILLE, F. The life and work of Gaston Ramon. (Fr) Acad. Vet. France. Bull. (n.s.)38 (9):414-418. Nov.1965. 41.9 R24
- 63718 SERGEI Vlamidirovich Zonn (60th birth and 40th scientific work anniversary). (Rus) Pochvovedenie 3:103-104. Mar.1966. 57.8 P34
- 63719 70TH BIRTHDAY. (Da) Maelkeritidende 79 (11):236-238. Mar.18,1966. 44.8 M26 Chr. Baekke.
- 63720 SEVENTIETH birthday of Kolyakov, Ya. E. (Rus) Veterinariya 10:124-125. Oct.1965. 41.8 V6426
- 63721 SEYFFERT, W. Hans Kappert on his 75th birthday. (Ge) Z. Pflanzenzucht. 53(4):I-III. Aug.1965. 450 Z36
- 63722 SIXTIETH birthday of Kozhukhovskii A.D. (Rus) Veterinariya 10:125. Oct.1965. 41.8 V6426
- 63723 SIXTIETH anniversary of Professor P. N. Kudryavtsev. (Rus) Zhivotnovodstvo 2:84-85. Feb.1966. 49 Z6
- 63724 SOLTYS, A. Prof. Dr. Eugeniusz Nikanorowicz-Pawlowski-an obituary. (Pol) Med. Weter. 21(12):755-756. Dec.1965. 41.8 M463
- 63725 SPIETH, H. T. Axel Leonard Melander 1878-1962. Entomol. Soc. Amer. Ann. 59(1):235-237. Jan.1966. 420 En82
- 63726 STEMPLE, R. M. Andrew Delmar Hopkins, pioneer in forest entomology: a bibliography. Entomol. Soc. Amer. Bull. 12(1):25-28. Mar. 1966. 423.9 En8
Includes biographical sources.
- 63727 STOCKHAUSEN. District veterinary councilor a.D. Dr. [Heinrich] Compes of Monchengladbach, veterinarian for 50 years. (Ge) Deut. Tierarztl. 14(3):120. Mar.5,1966. 41.8 D484
- 63728 SZAFIARSKI, J. Prof. Dr. Rudolf Stefan Weigl (1883-1957). (Pol) Med. Weter. 21(9): 574-576. Sept.1965. 41.8 M463
- 63729 TANNER, V. M. Angus Munn Woodbury, 1886-1964. Great Basin Natur. 25(3/4):81-88. Dec.31,1965. 410 G79
Includes list of publications.
- 63730 TETERNIK, D. M., and KALUGIN, V. I. The founder of Soviet veterinary and sanitary inspection (110 years from the date of M. I. Romanovich birthday). (Rus) Veterinariya 10: 98-99. Oct.1965. 41.8 V6426
- 63731 TODHUNTER, E. N. Biographical notes from the history of nutrition: Caleb Ticknor-1805-September 19, 1840. Amer. Diet. Ass. J. 48 (5):440. May 1966. 389.8 Am34
- 63732 TONOLLI, V. Umberta D'Ancona (1896-1964). Hydrobiologia 27(1/2):260-273. Jan.31,1966. 410 H992
Includes list of publications.
- 63733 TORSTEIN Lothe will be 70 years old. (No) Meieriposten 55(13):279-280. Apr.2,1966. 44.8 M47
- 63734 UHLIG, S. Heartiest congratulations to Hans Werner on his 65th birthday. (Ge) Sozialistische Forstwirtschaft. 16(1):30-31. Jan.1966. 99.8 W143
- 63735 ULLRICH, M. Melchior Westhues-70 years old. (Ge) Tierarztl. Umsch. 21(3):142. Mar.1, 1966. 41.8 T445
- 63736 UNTIRING enthusiast. (Rus) Les. Khoz. 10: 63. Oct.1965. 99.8 L5622
B. D. Zhilkin.
- 63737 VARNAGY, L. Dr. Jeno Schwanner in retirement. (Hu) Allatorvostud. Egyet. Evkon. 1961/62-1962/63:92-93. 1965. 41.9 B85
- 63738 VOL'FKOVICH, S. I. 100th birthday anniversary of D. N. Pryanishnikov. (Rus) Priroda [Moscow] 1:57-62. 1966. 410 P933
- 63739 WAHLEN, F. T. Director Hans Kellerhals, 1897-1966. (Du) Schweiz. Landwirt. Monatsh. 44(2):61-64. Feb.1966. 17 Sch93
- 63740 WANG, C. C. In memoriam: Ping Chih. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 216:55-58. Aug.16,1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 5:468-470. May 1965.
Issued by CFSTL.
- 63741 WEIDNER, H. In memoriam: Karl Hedwig. (Ge) Aschaffenburg. Naturwiss. Mus. Nachr. 72:I-XIV. Aug.1965. 409.6 As2
Includes list of publications.
- 63742 WENS. Veterinary general a.D. Dr. Walter Konig is 75 years old. (Ge) Deut. Tierarztl. 14(3):119. Mar.5,1966. 41.8 D484
- 63743 WIECKO, J. Jan J. Karpinski-prominent Polish scientist. (Rus) Les. Khoz. 12:82. Dec.1965. 99.8 L5622
- 63744 ZEEUW, A. DE. In memoriam Dr. H. Kieft. (Du) Neth. Dir. Tuinbouw. Mededel. 28(3):115-116. Mar.1965. 86 N384

Checklist of names of persons appearing as subjects of preceding biographical articles:

Ancona U D'	63732	Hengeveld G J	63575
Angelov S	63612	Hopkins A D	63726
Backeberg C	63587	Hryshko M M	63656
Baekke C	63719	Hueck K	63673
Barth K	63618	Hykes O V	63610
Bartram E B	63597	Hylen E	63613
Baumgartner G	63705	Iandolo E	63639
Beilin I G	63592	Imhoff P	63622
Bel'govskii I V	63689	Janka V	63567
Bondurant A J	63617	Jege F	63621
Bremer H	63631	Kalela E K	63707
Brune F	63698	Kapatsinskaya A A	63697
Brunschwiler F	63675	Kappert H	63721
Butozan V	63579	Karpinski J J	63743
Cale G H	63628	Keller H	63573
Carson R	63716		63574
Colson R	63660		63623
Cominotti L	63670	Kellerhals H	63739
Compes H	63727	Kellner O	63585
Cook R C	63706	Kieft H	63744
Coquot A	63609	Klockow G	63652
Costa J V B da	63569	Kolyakov Ya E	63720
Crasemann E	63713	Konig W	63742
	63714	Kotlan S	63701
Dakov M	63691	Kozhukhovskii A D	63722
Dorward K	63599	Kudryavtsev P N	63723
Drager H	63693	Larsen H J	63684
Dukhovnikov Yu	63638	Lefroy H M	63632
Dyce E J	63607	Lothe T	63733
Dymond J R	63715	Manninger R	63676
Efimov A L	63642	Mardashev S R	63692
Eggen A	63566	Mathur V P	63686
Eibl K	63570	Maurizio A	63583
Ekman S	63578		63584
Emslie A R G	63568		63681
Engelen C van	63666	Maymone B	63662
Ermakov G E	63643	Melander A L	63725
Essig E O	63677	Mendel G J	63582
Evans O	63589	Meyer W	63709
Fabre J H	63687	Milovantsev I P	63645
Fersman A E	63661	Mocsy J	63579
Fich C	63594		63635
	63598	Moller A A	63634
Florschutz F	63651	Mooney H F	63685
Frassoldati C	63581	Moskov M	63579
	63665	Moum I J	63668
Fudakowski C	63694	Musolino S	63679
Gaus H	63630	Myrann P	63690
Gjedrem I	63649	Navez O	63699
Gorud E	63614	Nehring K	63579
Gubarevich Ya G	63615	Nicolau S S	63588
Gysler M	63601	Nicolay-Falett L	63586
Hardenberg Graf C von	63641		
Harmon E M	63674	Nikanorowicz-Pawlowski E	63724
Hedwig K	63741		

- Odd O L 63659
Omlin A 63619
Ossorio M J 63678
Overby G 63640
Paech H 63579
Pak D N 63702
Pallmann H 63655
Parachristophi-
lou P 63683
Paterilo G A 63624
Pette J W 63620
Pfaut-Schellen-
berg G 63672
Ping C 63740
Pryanishnikov
D N 63738
Purves C B 63606
Ramon G 63717
Renner O 63595
Rohrer H 63650
Romanovich M I 63730
Rotert V A 63627
Russell Sir E J 63572
Ruzzi M 63608
Salyi Gy 63700
Schellenberg A 63710
Schermer S 63680
Schilling E 63712
Schneider-Orelli
O 63695
Schober R 63696
Schreiber J 63708
Schwannert J 63737
Sell C 63565
Senn U 63711
Seryugin I L 63644
Shimanyuk A P 63616
Shipenko P I 63647
Simonnet H 63636
Smith L W 63663
Snelgrove L E 63590
- Sokol A 63591
Sonderkamp 63664
Speer J 63611
Startsev D I 63603
Strampelli N 63669
Subrahmanyam V 63625
Suranyi J 63571
Tabents'kyi O O 63688
Taylor E L 63626
Thijssse J P 63704
Ticknor C 63731
Tjallema H T 63658
Tofft O J 63682
Tormay B 63671
Trautwein K 63654
Tuxen R 63637
Utkin M S 63593
Vasil'chenko I V 63646
Veen H T van
der 63657
Verderevskii 63600
D D
Vysotskii G N 63576
63653
63667
63703
Warnking J 63633
Weigl R S 63728
Werner H 63734
Westhues M 63735
Whaley W 63577
Wirth D 63602
Wit J J D de 63580
Woodbury A M 63729
Woodrow A 63605
Woodrow A W 63604
Zacherl M 63548
Zhilkin B D 63736
Zimmermann A 63629
Zion R A 63579
Zonn S V 63718
Zubrilin A A 63596

HISTORY

- 63745 JONES, G. Agriculture in north-west Wales during the later Middle Ages. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:47-53. Ref. June 1965. 501 Ab3
- 63746 KWON, I. W. Japanese agricultural policy on Korea: 1910-1945. Korean Quart. 7(3):96-112. Autumn 1965. Ds901. K6
- 63747 NOILHAN, M. View of Mediterranean agriculture. (Fr) *Mediterranea* 8:276-283. Oct./Dec.1965. 281.8 M462
English summary.
History.
- 63746 RAU, V. Aspects and historical problems in the agricultural exploitation of Portugal from Middle Ages to XIX century. (Fr) *Mediterranea* 8:284-292. Oct./Dec.1965. 281.8 M462
English summary.
- 63749 ROSIER, B. New agriculture. (Fr) *Paysans* 10(58):29-40. Ref. Feb./Mar.1966. 14 R323
Agricultural revolution in France in the XVIII century.
- 63750 YUSUPOV, K. Razvitie sel'skokhozyaistvennogo proizvodstva Uzbekistana v period perekhoda ot feodalizma k sotsializmu [Development of agricultural production in Uzbekistan during the period of transition from feudalism to socialism]. Tashkent, Nauka Uzbekskoi SSR, 1965. 130 p. Ref. HD2105.U919

HOME MANAGEMENT

- 63751 BARTLETT, M. Buying curtains. Ky. Univ. Ext. Leaflet. 281,4 p. Jan.1966. 275.29 K415Le
- 63752 BARTLETT, M. Buying draperies. Ky. Univ. Ext. Leaflet. 285,4 p. Jan.1966. 275.29 K415Le
- 63753 BLACK, J. Sources of color schemes. N. C. Univ. Ext. Home Econ. 29,2 p. Feb.1966. 275.29 N811Hom
Interior decoration.
- 63754 CHURCH, H. L. Darning on a simple sewing machine. Ariz. Univ. Ext. Folder 121,6 p. Jan.1966. 275.29 Ar42Ext

- 63755 CLARK, L. Choosing and using portable lamps. Okla. State Univ. Ext. Leaflet. E-773,15 p. Feb. 1966. 275.29 Ok41C
- 63756 CLARK, L., and BURGESS, C. Choosing and using your automatic clothes dryer. Okla. State Univ. Ext. Circ. E-776,12 p. Apr.1966. 275.29 Ok41C
- 63757 CLARK, L., and BURGESS, C. Choosing and using your automatic washer. Okla. State Univ. Ext. Circ. E-775,16 p. Mar.1966. 275.29 Ok41C
- 63758 CROFT, J. Home improvement leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] HI-6,43 p. Ref. Sept.1965. 275.29 W99Fc
- 63759 CROFT, J. A strike for better wardrobe planning. Wyo. Univ. Ext. [4-H Club. Circ.] CI-40, 27 p. Apr.1965. 275.29 W99Fc
- 63760 HABEL, K. L. So you're going to decorate. Va. Polytech. Inst. Ext. Circ. 997,9 p. Feb. 1966. 275.29 V81C
- 63761 HOLADAY, L. Shortcuts in the home. Minn. Univ. Ext. Ext. Folder 188,rev.,8 p.-folder. Jan.1966. 275.29 M66Ex
- 63762 LUND, L. O., and SIVERS, C. R. Selecting rugs and carpets. S. Dak. State Univ. Ext. FS 288,4 p. Dec.1965. 275.29 So85Fs
- 63763 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Home improvement record book; room magic. Wyo. Univ. Ext. [4-H Club. Circ.] HI-50a,8 p. May 1965. 275.29 W99Fc
- 63764 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Judging helps for 1966; home economics. Wyo. Univ. Ext. [4-H Club. Circ.] G-35,37 p. 1966. 275.29 W99Fc
- 63765 WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming clothing leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] CL-6,55 p. Mar.1965. 275.29 W99Fc

INTERNATIONAL RELATIONS

- 63766 COLLAUD, M. Activities of the official international organizations and relations of the CEA with them (FAO, ILO, OECD, EC, EEC, EFTA, GATT). (Fr) *Confed. Europe. Agr. Publ. CEA* 31:68-94. 1965. 28 C763
- 63767 SIMANTOV, A. International cooperation in agriculture from 1848 to 1948. (Fr) *Mediterranea* 28(6):190-197. June 1965. 281.8 M462
English summary.

PERSONNEL

- 63768 ABERYSTWYTH. UNIVERSITY COLLEGE OF WALES. Symposia in Agricultural Meteorology-memorandum No. 8; climatic change with special reference to Wales and its agriculture, based on papers and discussions at a symposium held on March 10th, 1965. Edited by J. A. Taylor. Aberystwyth, 1965. 104 p.,map. Ref. 501 Ab3
- 63769 BORISOV, A. A. Climates of the U.S.S.R., edited by C. A. Halstead. 255 p.,map. Ref. QC989.U43B6
Translation of *Klimaty SSSR*, ed. 2.
- 63770 BURGOS, J. J. Mesoclimatic and microclimatic facets. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:76-79. Oct.1965. 9 Id3
Program for Argentina.
- 63771 CATTANEO, C. L. Agricultural meteorological information. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:74-76. Oct.1965. 9 Id3
Policy for Argentina.
- 63772 CHANCELLOR, W. J., and DE LA ROSA, F. A. A simple solar radiometer. *Amer. Soc. Agr. Eng. Pap.* 336,14 p. 1965. 290.9 Am32P
- 63773 DAMIANI, G. For agricultural meteorology in Sicily. (It) *Tec. Agr.* 16(3/4):111-117. May/Aug.1964. 16 T22

- 63774 JUAREZ, G. A. Agricultural meteorological elements and their observation. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:59-63. Oct.1965. 9 Id3
Argentina.
- 63775 JUDSON, A. The weather and climate of a high mountain pass in the Colorado Rockies. U. S. Forest Serv. Res. Paper RM-16,28 p., map. Ref. Nov.1965. A99.9 F7632U
- 63776 LU, W. Meteorology in the service of agriculture. 12 p. (JPRS 20,302; OTS 63-31359) Transl. 14196
Translation from Kitay 5:6-9. 1963.
CFSTI: \$.50.
- 63777 MARTINOLI, J. M. M. Weather forecasting for agriculture. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:94-96. Oct.1965. 9 Id3
Program for Argentina.
- 63778 NICKS, A. D., and HARTMAN, M. A. Variation of rainfall over a large gaged area. Amer. Soc. Agr. Eng. Pap. 224,15 p.,map. 1965. 290.9 Am32P
- 63779 NORWAY. NORSKE METEOROLOGISKE INSTITUTT. Pentademidler for landbruket 1965 [Pentahedron averages for agriculture 1965]. Oslo, 1966. 48 p. 345 N832
- 63780 OLIVER, J. Problems of agro-climatic relationships in Wales in the eighteenth century. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:56-69. Ref. June 1965. 501 Ab3
- 63781 PEVNY, V. Dry weather in Nitra. (Cz) Pol'nohospodarstvo 11(12):877-884. 1965. 19.5 P752
English summary.
Possible agricultural implication.
- 63782 PEVNY, V., and MUCHA, V. Agrometeorological characterization of the year 1961 in Nitra. (Cz) Nitra. Vysoka Sk. Pol'nohospodar. Agron. Fak. Prevadzko- Ekon. Fak. Sb. 8: 169-177. 1964. 281.9 N632
English summary.
- 63783 RUGGIERO, R. A. Agricultural meteorology inventory in the first national programming reunion. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 214:53-59. Oct.1965. 9 Id3
Argentina.
- 63784 TAYLOR, J. A. Current climatic trends and Welsh agriculture. Aberystwyth. Univ. Coll. Wales. Dep. Geogr. Mem. 8:77-82, map. June 1965. 501 Ab3
- 63785 YILLO, L. Weather observations at the Agricultural Research Center [Maatalouden Tutkimuskeskus] at Tikkurila 1909-1965. (Fi) Suomen Maataloustieteellinen Seura. Julkaisu 107:139-147. Ref. 1965. 20 Su7
English summary.
- RESEARCH**
- 63786 AMERICAN UNIVERSITY OF BEIRUT. Fifth annual research report 1963-1964. Beirut, Lebanon, 1965. 45 p. 276.4 Am3
Includes the Faculty of Agricultural Sciences.
- 63787 ANDREWS, F. N. The role of universities in agricultural research. J. Anim. Sci. 25(1):240-243. Feb.1966. 49 J82
- 63788 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. CSIRO divisions and sections 1966. Melbourne, 1966. 23 p. 514 Au72D
Directory; includes agricultural sections.
- 63789 BALANESCU, M. Economic efficiency of radioisotopes; production and utilization. (Rum) Probl. Econ. [Bucharest] 19(1):90-101. Jan. 1966. 280.8 P947
English summary, p.171.
Includes use in agriculture.
- 63790 BRADY, N. C. The role of the federal government in agricultural research. J. Anim. Sci. 25(1):236-239. Feb.1966. 49 J82
Chiefly U.S.D.A. and Cooperative State Research Service activities.
- 63791 BUCHVAROV, N. Radioactive isotopes in national economy. Priroda [Sofia] 13(6):25-31. Nov./Dec.1964. 410 P934
Includes agricultural research.
- 63792 CALL, L. E. Off-campus research by the Kansas Agricultural Experiment Station, 1887 to 1964. Kans. Agr. Exp. Sta. Bull. 484, 74 p., map. Nov.1965. 100 K13S
- 63793 CRALLEY, E. M. Delta Substation. Ark. Farm Res. 15(1):6. Jan./Feb.1966. 100 Ar42F
- 63794 DAVIDESCU, D. Agricultural science in full development. 6 p. (JPRS 25,933; TT 64-41204) Transl. 14189
Translation from Stiinta si Tehnica 16(6):3-5. June 1964.
CFSTI: \$1.00.
- 63795 DUONG QUOC-CHINH. Step up scientific and technological work in agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 163:10-23. Apr.27,1965. (JPRS 29,768) 173 J663Trn
Translation from Khoa Hoc Ky Thuat Nong Nghiep 2:79-84. Feb.1965.
Issued by CFSTI.
- 63796 GAUCHER, G. Fundamental agricultural research and Mediterranean agriculture. (Fr) Mediterranea 6:130-136. Apr./June 1965. 281.8 M462
English summary.
- 63797 GEORGIA. AGRICULTURAL EXPERIMENT STATION. Serving Georgia through research; 1965 annual report. Athens, 1965. 102 p. 100 G293A
- 63798 GIGSAN, N. The present tasks of scientific research in the field of agriculture. (Rum) Probl. Agr. [Bucharest] 18(3):4-12. Mar.1966. 21 R862
- 63799 GOIDANICH, G. Research in Green Plan No. 2. (It) G. Agr. 76(17):188. Apr.24,1966. 16 It1G
Agricultural research.
- 63800 HYDERABAD. REGIONAL RESEARCH LABORATOR. Annual report, 1964-65. Secondarabad, 1965. 103 p. 330.9 H99
Includes reports of various aspects of agricultural research.
- 63801 KANSAS. AGRICULTURAL EXPERIMENT STATION. Twenty-second biennial report of the Director for the biennium July 1, 1962 to June 30, 1964. Manhattan, 1965. 49 p. 100 K13S
- 63802 LAMM, C. G. Use and possibilities for isotopes in agricultural research. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12: 24-33. 1965. 33.11 AL7
- 63803 LIU, K. Make experiments of agricultural science in the midst of production. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:46-54. Jan.11,1966. (JPRS 33,699; TT 66-30143; CSO 3530-D) 173 J663Trh
Translation from Hung Ch'i 13:29-33. Dec.6, 1965.
Issued by CFSTI.
- 63804 MA, H. National conference on field practice work in agricultural sciences. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:43-47. Aug.16,1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Research policies.
Translation from K'o Hsueh T'ung Pao 5:459-461. May 1965.
Issued by CFSTI.
- 63805 MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 78th annual report. State College, 1965. 106 p. 100 M69
- 63806 NORTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. Annual report, 1965. N. Dak. Farm Res. 24(3):27-31. Jan./Feb.1966. 100 N813B
Staff, and financial statement.
- 63807 PENNSYLVANIA. AGRICULTURAL EXPERIMENT STATION. Seventy-eighth annual report, July 1, 1964-June 30, 1965. Penn. Agr. Exp. Sta. Bull. 730,32 p. Mar.1966. 100 P381

- 63806 PERVOMAISKII, G. S., VARNOVSKII, YA. M., and SHCHERBINA, V. P. Infrared rays as method of investigation of live objects. (Rus) Vses. Entomol. Obshchest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 16/17:50-65. Ref. 1965. 420 V96
Includes agricultural application.
- 63809 FIGANIOL, M. Agricultural research in Japan. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(1):36-45. Jan.5/12,1966. 14 P215Bc
Includes discussion.
- 63810 PILLA, A. M. Agricultural experimentation. (It) G. Agr. 76(14):154. Apr.3,1966. 16 It1G
- 63811 POLSKA AKADEMIA NAUK. WYDZIAŁ NAUK ROLNICZYCH I LESNYCH. Informator o wynikach badan naukowych zakonczonych w 1963 r. [Guide to the results of research works completed in 1963]. Warszawa, 1964. 834 p. 512 P76
Abstracts.
- 63812 POLSKA AKADEMIA NAUK. WYDZIAŁ NAUK ROLNICZYCH I LESNYCH. Informator o wynikach badan naukowych zakonczonych w 1964 r. [Guide to the results of research works completed in 1964]. Warszawa, 1965. 857 p. 512 P76
Abstracts.
- 63813 RINGEN, J. Nordic cooperation in agricultural research. FATIS (Food Agr. Tech. Inform. Serv.) Rev. 12(1):14-17. 1965. 275.249 F26 Scandinavia.
- 63814 SEITZ, F. Th fragile breath of life: how to keep it going: by sharing knowledge. Saturday Rev. 49(19):65-67. May 7,1966. 110 Sa82
Biological research related to agriculture.
- 63815 SOLNTSEV, K. M. Center of the agricultural education in our country. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:117-120. Mar. 1966. 20 V633
Belorussian Agricultural Academy [Belorusskaya Sel'skokhozyaistvennaya Akademiya]
- 63816 SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. 78th annual report to South Dakotans. S. Dak. Farm Home Res. 16(4),43 p. map. Fall 1965. 100 So82S
- 63817 TOURTE, R. Suggestions for a policy of applying agricultural research in developing countries. (Fr) Agron. Trop. [Paris] 20(11): 1163-1176. Nov.1965. 26 Ag86
English summary.
- 63818 U. S. CONGRESS. SENATE. COMMITTEE ON LABOR AND PUBLIC WELFARE. SUBCOMMITTEE ON EMPLOYMENT AND MANPOWER. Impact of Federal research and development policies on scientific and technical manpower. Hearings, 89th Congress, 1st sess. on impact of Federal research and development policies on scientific and technical manpower. June 2, 3, 4, 7, 8, 9, 10, and July 22, 1965. Washington, 1965. 954 p. Q149.U5A5
Prepared statement by N. C. Brady, Director of Science and Education, Department of Agriculture, p.233-286.
- 63819 WEST VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Science serves your farm and home [annual report]. W. Va. Agr. Exp. Sta. Bull. 520,16 p. Jan.1966. 100 W52
- 63820 WISCONSIN. AGRICULTURAL EXPERIMENT STATION. What's new in farm science. Annual report [81st, 1963/1964], pt.2. Wis. Agr. Exp. Sta. Bull. 580,71 p.,map. Fall 1965. 100 W75

STATISTICS

- 63821 GIRI, R. Improvements in agricultural wage statistics. Agr. Situation India 20(8):645-654. Nov.1965. 281.9 In23
Methods of statistics.
- 63822 MARKOVIC, M. B. Rapport au Gouvernement de l'Algerie sur le centre de formation en statistiques agricoles et le developpement des enquetes statistiques [Report to the Government of Algeria on training center in agricultural statistics and the development of statistical enquiries]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1955,18 p., map. 1965. 281.9 F733E
- 63823 MEXIA, J. T. Asymptotic distribution of functions. (Por) Agros [Lisboa] 47(4):321-322. July/Aug.1964. 15.5 Ag82
- 63824 OLIVEIRA, C. A. H. DE. Sampling methods; their application in rural investigations. (Por) Agros [Lisboa] 47(4):293-319. (Cont.) July/Aug.1964. 15.5 Ag82
- 63825 RAMESH, D., and SENGUPTA, N. K. Some empirical results relating to comparative efficiency of methodology in the collection of farm management statistics. Agr. Situation India 20(8):665-661. Nov.1965. 281.9 In23
- 63826 SARDANA, M. G., and DAS, M. N. On the construction and analysis of some confounded asymmetrical factorial designs. Biometrics 21(4):948-956. Ref. Dec.1965. 442.8 B5224
In relation to agricultural statistics.
- 63827 VENEKAMP, J. T. N. Use of polynomials in making functions continuous. (Du) Landbouwkundig Tijdschr. 77(21):835-841. Dec.1965. 105.2 Or3
English summary.

NEW PERIODICALS AND SERIALS

- AEROSOL review. 1966. London. TS158.A1A3
- AKADEMIYA Nauk. Kazakhskoi SSR. Institut Khimicheskikh Nauk. Trudy. v.10. 1964. Alma-Ata. 385 AL622
- AKADEMIYA NAUK. SSSR. SIBIRSKOE OTDELLENIE. IZVESTIYA. Seriya biologo-meditsinskikh nauk. No.1. 1963. Novosibirsk. 442.9 Ak125
- ALLATORVOSTUDOMANYI EGYETEM. Az Allatorvostudomanyi Egyetem Evkonyve. 1961/62-1962/63. Budapest. 41.9 B85
- AUSTRALIA. BUR. OF METEOROLOGY. Australian climatological summary; surface data. Jan.1965. Melbourne. QC992.A3
- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; New South Wales. Mar.1965. Melbourne. QC992.N4A2
- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; Queensland. Jan.1965. Melbourne. QC992.Q8A2

- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; South Australia & Northern Territory. Jan.1965. Melbourne. QC992.S6A2
- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; Tasmania. Jan.1965. Melbourne. QC992.T3A2
- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; Victoria. Jan.1965. Melbourne. QC992.V5A2
- AUSTRALIA. BUR. OF METEOROLOGY. Weather review; Western Australia. Jan.1965. Melbourne. QC992.W4A2
- BEITRAGE zur Tabakforschung. No.6. 1962. Hamburg. Wissenschaftliche Forschungsstelle im Verband der Cigarettenindustrie. QP981.T6B4
- BUENOS AIRES (CITY). MUSEO ARGENTINO DE CIENCIAS NATURALES "BERNARDINO RIVADAVIA." Comunicaciones: Entomologia. v.1, No.1. Dec.1964. Buenos Aires. 420 B862

- CATHOLIC rural life. Feb.1966. Des Moines. National Catholic Rural Life Conference. S1.C3
- CENTER FOR RESEARCH LIBRARIES. Rarely held scientific serials in the Center for Research Librarians. Supplement. No. 2. Chicago, 1965. 241.5 M583
- CENTRO DE INVESTIGACIONES AGRICOLAS. "ALBERTO BOERGER." Estudios tecnicos. No.1. 1965. La Estanzuela. S15.C4
- CHELEN opit v selskoto stopanstvo. No.1. 1965. Sofiya, Bulgarska komunisticheska partiya. S13.C4
- CHINESE ACADEMY OF SCIENCES. INSTITUTE OF FORESTRY AND SOIL. Chi k'an. Bulletin. No. 2. Aug.1965. Peking. 99.9 C4442C
- DROBNE kospodarske zviectvo. No. 2. 1965. V Prace, Ministerstvo zemedelstvi, lesniho a vodniho hospodarstvi. SF15.C94D7
- ECONOMIC yearbook of Tunisia. 1964. Tunis, Tunisian Union of Industry and Commerce. HC547.T8E3
- ECONOMIE agricole. No.1. Jan.1966. Paris. HD1945.A1E2
- EESTI MAAVILJELUSE JA MAAPARANDUSE TEADUSLIKU UURIMISE INSTITUUT. Teaduslike toode kogumik. Sbornik nauchnykh trudov. No.1. 1962. Saku. 20 Ee73T
- EMPRESA rural. v.1, No.1. Oct./Nov.1965. Buenos Aires. HD1862.A1E4
- ENTWICKLUNGSHILFE; Auszuge aus der Tages- und Fachpresse. No.10. Oct.1965. Wien, Informations- und Dokumentationszentrum fur Entwicklungshilfe, Afro-Asiatischen Instituts. HC10.E5
- ESTUDIOS agrarios. v.1, No.1. Sept./Dec.1960. Mexico, Centro de Investigaciones Agrarias. HD1792.A1E8
- EXETER, UNIVERSITY. DEPT. OF AGRICULTURAL ECONOMICS. Report. No.149. May 1964. 281.9 Se1
- FAUNA SSSR. Ruchelniki. v.2, Pt.1. 1964. Moskva. 432 F272
- FEED AND GRAIN TIMES. v.4, No.11. Nov. 1965. Minneapolis. HD9052.A1F4
- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. PLANT PROTECTION COMMITTEE FOR THE SOUTH EAST ASIA AND PACIFIC REGION. Quarterly newsletter. v.8, No.2. Apr./June 1965. Bangkok. SB599.F6
- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. REGIONAL OFF. FOR ASIA AND THE FAR EAST. Forestry newsletter of the Asia-Pacific region. July 1964. Bangkok. SD1.F6
- FOOD AND NUTRITION RESEARCH CENTER. Annual report. 1963/64. Manila. 389.9 P5322A
- FOOD AND NUTRITION RESEARCH CENTER. FNRC post nutrition survey conference report series. No.4. 1965. Manila. TX345.F6
- FOOD processing/marketing. v.26, No.9. Sept. 1965. Chicago. 389.8 F7325
- HAN'GUK SANOP UNHAENG. The Korean Reconstruction Bank; its functions and activities. 1965. Seoul. HG3363.K8H3
- HOHERE BUNDESLEHR- UND VERSUCHSANSTALT FUR GARTENBAU. (VIENNA-SCHONBRUNN). ABTEILUNG GEMUSEBAU. Gemuse-sortenversuche. No.12. 1964. Wien. SB320.H6
- INSTITUTO de Investigaciones Agropecuarias Memoria anual. No.1. 1964/65. Santiago, 1965. S193.I5
- INSTYTUT HODOWLI I AKLIMATYZACJI ROSLIN. Index seminum. 1966. Warszawa. SB115.I5
- INTERNATIONAL CONGRESS OF FOOD SCIENCE TECHNOLOGY, 1st, London, 1962. Food science and technology; proceedings. v.2. 1965. New York, Gordon and Breach. TP368.I5
- JOHN, KEELL, THOMPSON, WHITE (FIRM) COLOMBO. Market report. Apr.29, 1966. Colombo. HD9259.C58J6
- JOURNAL of cell science. v.1. Mar.1966. London. QH301.J6
- LES SSSR. Moskva, Nauka, 1966. SD207.L4
- NATIONAL GRAIN CO., LTD. AGRICULTURAL DEPT. Chemical weed control. National handbook. 1962, 1964/65. Winnipeg. 79.9 N216
- NEW ZEALAND agricultural science. v.1. July 1965. Wellington, N.Z. Institute of Agricultural Science. S17.N4
- NEW ZEALAND. DEPT. OF STATISTICS. Statistics of external trade. Statement showing particulars of meat and meat preparations entered for export from New Zealand. July/Dec.1964. Wellington. HD9428.N45A3
- OREGON. LAWS, STATUTES. Oregon agriculture and food statutes. 1965, pub.1966. Salem, State Dept. of Agriculture. HD186.O7A3
- OVERSEAS trade accounts of the United Kingdom. Jan.1965. London, Board of Trade. 256.03 Ac2
- PARMA (CITY). UNIVERSITA DEGLI STUDI. FACOLTA DI ECONOMIA E COMMERCIO. Studi e ricerche. v.1. 1964. Parma. HB7.P3
- PRIKLADNAYA biokhimiya i mikrobiologiya. v.1. Jan./Feb.1965. Moskva, Akademiya Nauk. SSSR. 385 P93
- QUEENSLAND journal of agricultural and animal sciences. v.22. Mar.1965. Brisbane, Queensland Dept. of Primary Industries. 23 Q37
- RESUMEN climatologico e hidrologico mensual. v.1, No.1. Jan.1965. Lima. QC988.P5R4
- SADOVODSTVO. No.1. 1964. Kiev, Ministerstvo sel'skogo khozyaistva USSR. 80 Sa18
- SOUTHERN HARDWOOD LUMBER MANUFACTURERS ASSOCIATION. Analysis of hardwood stock trends, report. No.31. Jan.1962/Jan. 1964. Memphis, 1964. 99.9 So822A
- STATISTIQUES du Commerce Extérieur de la France; annuaire abrégé. 1964. Paris, Ministère des Finances et des Affaires économiques, Direction générale des Douanes et Droits Indirects. 260 D742A
- SUDAN agricultural journal. v.1. June 1965. Khartoum North, Sudan Agricultural Society. S17.S9
- SWEDEN. STATISTISKA CENTRALBYRAN. Jordbruksstatistisk årsbok. 1965. Stockholm. 257.3 St2J
- SYMPOSIA biologica Hungarica. v.5. 1965. Budapest. QH301.S9
- TARTU. ULIKOOL. Taimefusioloogia- ja taimbiokemia-alaseid toid. Trudy po fiziologii i biokhimii rastenii. No.1. 1964. Tartu. 451 T173T
- TOBACCO distribution & confectional guide. v.33, No.11. Nov.1965. New Milford, N. J. HD9131.T6
- TRADE and industry of Japan. Mar.1965. Tokyo, Japan External Trade Organization. HF41.T7
- UNITED farmer. v.5, No.1. Jan.12, 1966. Sydney, United Farmers & Woolgrowers' Association. S17.U5
- U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. v.1/7. 1965. Fort Collins, Colo. ASB437.A3
- VREDNAYA i poleznaya fauna bespozvonochnykh Moldavii. No.1. 1965. Kishinev, Akademiya Nauk Moldavskoi SSR. Institut Zoologii. 410 V95

WASHINGTON food dealer. v.60, No.2. Feb. 1965. Seattle, Washington State Food Dealers Association. 286.28 P11
 WASHINGTON (STATE). DEPT. OF CONSERVATION. Biennial report. 22d. 1962/64. Olympia. 279.9 W27
 WESTERN crops. v.14, No.3. Mar. 1965. Anaheim, Calif. 281.8 F2225N

ZAMBIA. DEPT. OF LANDS. Annual report. 1964. Lusaka, 1965. 282.9 R342

ZENTRALE MARKT- UND PREISBERICHT-STELLE DER DEUTSCHEN LANDWIRTSCHAFT. Marktbericht: Zentralbericht, 1965. No.22. June 3, 1965. Bad Godesberg. 280.328 Z4

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

ABDUSHUKUROVA, R. A. Connection of nucleolus with chromosomes. 7 p. Ref. (JPRS 25,795; TT 64-41066) Transl. 14126
 Translation from Akademiya Nauk Tadzhikskoi SSR. Izvestiya 3:42-47. 1962.
 ADAM, B. Some experiences with acarine disease. 2 p. Transl. 14396
 Translation from Bienenvater 83:79-81. Mar. 1962.
 AGABABYAN, M. M. Studying the distribution of anthrax vaccines in an organism by using radioactive indicators. 12 p. (TT 63-23064) Transl. 15289
 Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya 12(12):63-71. 1959.
 *AGEKYAN, N. G. Conwentzia psociformis Curt. (Neuroptera, Coniopterygidae) a little-known entomophage in the Georgian Republic. Entomol. Rev. 44(1):45-47. Jan./Mar. 1965. 421 R322Ae
 AKIYA, T., and NAKAYAMA, O. Studies on the lipid of rice. 5 p. Transl. 15837
 Translation from Food Research Institute. Report 12:71-72. Aug. 1957.
 *ALEKSANDROV, YU. V., YAGODINSKIY, V. N., and APOLLOVA, L. N. A new species of mite, Parholaspulus bregetovae, sp. n. (Gamasoidea, Macrochelidae). Entomol. Rev. 44(1):118-119. Jan./Mar. 1965. 421 R322Ae
 ALEKSEYEVSKIY, YE YE. Land reclamation: the most vital reserve for agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120: 10-14. Apr. 19, 1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
 Translation from Turkmenskaya Iskra, Mar. 16, 1966:2.
 ALEXANDRESCU, P. Results and perspectives of growth for the economic effectiveness of forest utilization. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 410:29-49. Jan. 11, 1966. (JPRS 33,698; TT 66-30142) 173 J663Ste
 Translation from Revista de Statistica 10: 33-45. Oct. 1965.
 ALIKHANOV, E. Water management in the Azerbaydzhan SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:10-11. Mar. 30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
 Translation from Pravda, Mar. 10, 1966:2.
 AMOSOVA, I. S. On the gonotrophic relations within the genus Culicoides (Diptera, Heleidae). 8 p. (TT 63-23593) Transl. 15838
 Translation from Entomologicheskoe Obozrenie 38(4):774-789. 1959.

ANDREI, A. Development of logging and forest transport in 1944-1964, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:24-34. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
 Translation from Revista Padurilor 8:420-427. Aug. 1964.

ANDRIYENKO, L. Efficient use of land under irrigation in the Ukraine. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 96:1-6. Sept. 24, 1965. (JPRS 32,139; TT 65-32632; CSO 1840-S) 173 J663Tso
 Translation from Pravda Ukrainy, June 24, 1965:2.

*ANNIVERSARY of Professor Ye. N. Ivanova. Soviet Soil Sci. 7:834. July 1965. 57.8 P34Ae

*ANTONOV, V. F., and others. Effect of potassium, sodium, and chloride ions on the potential difference between the medium and the cytoplasm and nucleus of the salivary gland cells of Drosophila larvae. Acad. Sci. USSR. Dokl. Biol. Sci. 161(1/6):150-152. Mar./Apr. 1965. 511 P444Aeb
 G. A. Kurella, I. F. Meshchishen, and P. T. Wu, joint authors.

AREF'EV, E. V. Wintering mated queens in one-frame nuclei. 3 p. Transl. 14395
 Translation from Pchelovodstvo 24(6):15-17. June 1947.

*ARKHIPOVA, V. D. Fungus diseases of the codling moth, Carpocapsa pomonella L. (Lepidoptera, Tortricidae). Entomol. Rev. 44(1): 48-54. Ref. Jan./Mar. 1965. 421 R322Ae

ARUTYUNYAN, P. I. Contribution to the research of the sesamoid bone of the tibiotarsal joint in domestic birds. 6 p. Transl. 15300

Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya. Biologicheskie Nauki 16 (6):69-74. 1963.

ASAKAWA, K. New trends in communist China's fertilizer industry. 12 p. (JPRS 3735) Transl. 14803

Translation from Ajia Keizai Jumbo 422:1-9. Feb. 10, 1960.

AVDONIN, N. S. The role of fertilizers in creating the material-technical basis of communism. 12 p. (JPRS 24,137; OTS 64-31048) Transl. 14190

Translation from Moscow. Universitet. Vestnik. Seriya 6. Biologiya i Pochvovedenie 2:7-15. Mar./Apr. 1962.

- BABEK, Z. The lack of a clear concept for the long-range development of Czechoslovak agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 391:1-8. Sept. 16, 1965. (JPRS 32,021; TT 65-32515) 173 J663Ste
Translation from Ekonomika Zemelstvi 6: 163-166. June 5, 1965.
- BAKHIREV, N., SVENITSKY, I., and PRISHCHEP, L. Utilization of electric energy in vegetable growing. 9 p. Transl. 14398
No source of translation given.
- BAKOV, I. Towards longer service life and more efficient use of farm machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 178:1-9. Mar. 19, 1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Translation from Pravda Vostoka, December 26, 1965:2.
- BALASSA, G. Tenth anniversary of the Main Directorate of National Forestry [Országos Erdészeti Főigazgatóság]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 327:10-23. Dec. 24, 1964. (JPRS 27,987; CSO 2900-D) 173 J663Ste
Translation from Erdogazdaság és Faipar 10: 1-8. Oct. 1964.
- BALINT, G. Investigations of the increased appearance of the powder-post beetle *Lyctus linearis* Goeze in Hungary. 5 p. Ref. Transl. 15198
Translation from Holzforschung und Holzverwertung 16(3):49-51. 1964.
- *BARBASHINOVA, V. N. Pollen of ancient conifers in Neogene deposits of northeastern Sakhalin. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158(1/6):7-9. Sept./Oct. 1964. 511 P444Aee
- BARBIER, G., and BROSSARD, M. Relationship between the root absorption and the leaf absorption of strontium and cesium by corn. 7 p. Transl. 14397
Translation from Agrochimica 7(3):216-225. June 1963.
- *BARSUKOV, V. S., MALINOVSKII, O. V., and MITYUSHOVA, N. M. Postirradiation recovery of yeast cells in stationary phase of growth. Acad. Sci. USSR. Dokl. Biophys. 160/162:19-20. Jan./June 1965. 511 P444Aeeb
- BARTH, R. Structure and function of the wing glands of several microlepidopterans. II. *Galleria mellonella*. 4 p. Transl. 14378
Translation from Zeitschrift für wissenschaftliche Zoologie 150(1):21-27. 1937.
- BASOV, A. V. Privately-held livestock entitled to fodder. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:31-33. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Sovetskaya Rossiya, Sept. 11, 1965:3.
- BATYATA, V. I., and MOL'DERF, T. D. Economic efficiency of fertilization systems in field crop rotations. 4 p. Transl. 14096
Translation from Vestnik Sel'skokhozyaistvennoi Nauki [Moscow] 9(4):12-14. 1964.
- *BAZILEVICH, N. I., and RODIN, L. YE. Cycle of ash elements and nitrogen in the principal types of plants in the northern half of the Old World. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 156(1/6):155-158. Ref. May/June 1964. 511 P444Aee
- BEDNARSKI, S. Important tasks of the agricultural food processing industry in 1966-1970 in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:12-18. Mar. 30, 1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from Nowe Rolnictwo 3:14-16. Feb. 1966.
- BETIN, S. G. For better construction of universal agricultural loaders. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 193:11-16. Apr. 26, 1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 2:18-19. 1965.
- *BEY-BIYENKO, G. Y. In memory of B. N. Zolotarevskiy. Entomol. Rev. 44(1):120-121. Jan./Mar. 1965. 421 R322Aee
- BEZRUKOV, B., and DADABAYEV, N. The Aral Sea reclamation. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 100:12-16. Oct. 26, 1965. (JPRS 32,541; TT 65-33020; CSO 1840-N) 173 J663Tso
Translation from Komsomol'skaya Pravda, Sept. 16, 1965:2.
- *BLAGOVESHCHENSKIY, D. L. New species of sucking lice (Siphunculata) that are parasites of rodents. I. Entomol. Rev. 44(1):85-91. Jan./Mar. 1965. 421 R322Aee
- *BLYAKHOVA, S. M. New information on the Late Paleocene flora of the Arys trough (southern Kazakhstan). Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):69-71. Ref. Mar./Apr. 1964. 511 P444Aee
- BOCESKI, D. Objective determination of the degree of fermentation of oriental tobaccos. 8 p. Transl. 15294
Translation from Duvan 11(6/7):211-216. June/July 1961.
- BODUROV, D. The relationship between the external characteristics of tobacco leaves and their chemical and smoking properties. 9 p. Transl. 15292
Translation from Bulgarski Tyutyun 6(6):39-44. 1961.
- *BOLOTINA, N. I. Nutrient regime in thick virgin Chernozems. Soviet Soil Sci. 7:791-801. Ref. July 1965. 57.8 P34Aee
- BOLTINSKII, V. N. Comparative industrial tests of tractor units at speeds of 5-9 and 9-15 km/hr. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:1-17. Mar. 15, 1965. (JPRS 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:1-6. 1964.
- *BONDAREV, A. G. Structure of sod-podzolic soils and experiment on their improvement by polymers. Soviet Soil Sci. 7:825-830. July 1965. 57.8 P34Aee
- BORASIO, L., and GARIBOLDI, F. Parboiled rice—production and use. 11 p. Ref. Transl. 15010
Translation from Riso 12(4):73-85. Dec. 1963.
- BORISOV, A. A. Climates of the U.S.S.R., edited by C. A. Halstead. 255 p., map. Ref. QC989.U43B6
Translation of Klimaty SSSR, ed. 2.
- BORISOV, YA. Changes needed in administration of kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:5-9. Apr. 19, 1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 11: 36. Mar. 1966.
- BOYADZHYAN, G. K., and POSTOYAN, S. R. Concerning the survival of the foot-and-mouth disease virus in the tick *Ornithodoros lahorensis* Neum, 1908. (Artificial infection of ticks). 5 p. Transl. 14879
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya. Biologicheskie Nauki 17(8): 47-51. Aug. 1964.

- BRADESCHE, P. Progress in building transport facilities for opening up and exploiting forest areas, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:35-46, map. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:427-434. Aug. 1964.
- BRAGINSKIY, L. Shortcomings in management of irrigated farming. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:1-10. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Planovoe Khozyaistvo 7:59-65. July 1965.
- *BRATTSEVA, G. M. Spore-pollen complexes of the Tsagayan deposits and their age. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 157(1/6):33-36. Ref. July/Aug. 1964. 511 P444Aee
- BRAUN, G., and ANTONOV, A. The irrigators of the Kuban' are making progress. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:123-126. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Stroitel'naya Gazeta, Feb. 10, 1965:2.
- *BREGETOVA, N. G. A new species of parasitic mite of the genus *Rhinoecius* Cooreman (Mesostigmata: Rhinonyssidae). Entomol. Rev. 44(1):116-117. Jan./Mar. 1965. 421 R322Ae
- BUCZYNSKI, R. Changes in the number of animals during the fiscal year 1963/1964 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 324:9-15. Dec. 14, 1965. (JPRS 27,836) 173 J663Ste
Translation from Nowe Rolnictwo 19:20-23. Oct. 1964.
- *BUDYKO, M. I. A contribution to development of a theory of the effect of climatic factors on photosynthesis. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158(1/6):1-3. Sept./Oct. 1964. 511 P444Aee
- BUDZICH, E. Polish foodstuff exports. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 195:45-51. Dec. 4, 1964. (JPRS 27,687; CSO 2600-S) 173 J663Tree
Translation from Zycie Gospodarcze 43:4. Oct. 25, 1964.
- BUKOLOV, K. Noginsk seminar on pastureland and meadow improvement. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:7-10. June 30, 1965. (JPRS 30,874; TT 65-31386; CSO 1830-D) 173 J663Tsi
Translation from Leninskoye Znamya, June 6, 1965:2.
- *BUKZEYEVA, O. N. Duration of generations of the pine weevil, *Pissodes notatus* F., (Coleoptera, Curculionidae) in the Voronezh region. Entomol. Rev. 44(1):22-24. Ref. Jan./Mar. 1965. 421 R322Ae
- BULGARU, M. Continuous improvement of the energy base of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:31-34. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Viata Economica 9:9. Mar. 1966.
- BURKA, N. Problems in repairing agricultural machines in Moldavia. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 187:7-8. Apr. 12, 1965. (JPRS 29,540; TT 65-30707) 173 J663Tsi
Translation from Sovetskaya Moldaviya, Mar. 25, 1965.
- BURLAKOV, A. Reserves of irrigable hectares. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 119:3-5. Apr. 12, 1966. (JPRS 35,002; TT 66-31440) 173 J663Tso
Translation from Pravda, Feb. 16, 1966:2
- BYSTROV, A., and KASHCHENKOV, I. New planting and harvesting machinery for potato growers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:19-20. July 19, 1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Sel'skaya Zhizn', May 13, 1965:2.
- CERMAKOVA, A. Biochemical changes during the development of the Colorado beetle (*Lepidotarsa decemlineata* Say). 5 p. Transl. 14390
Translation from Ceskoslovenska Akademie Zemedelskych Ved. Sbornik. Rostlinna Vyroba 3(10):1055-1058. 1957.
- CHANG, C. T. First symposium on Solanaceae vegetable breeding. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:120-123. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 9:835-836. 1964.
- CHAO, C. H. Heilungkiang agricultural machinery station sees year of great change. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105:1-12. Jan. 13, 1966. (JPRS 33,727; TT 66-30171) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh 6:13-16. June 10, 1965.
- CHAO, C. S. Symposium on enhancing the utility of irrigation water. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:131-134. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 9:838-839. 1964.
- CH'EN, C. H. Some notes on using the Kung-Nung type 7 manual operated tractor. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105:18-24. Jan. 13, 1966. (JPRS 33,727; TT 66-30171) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh 7:31-32. July 10, 1965.
- CHEN, K. A symposium on medical and surgical practices on domestic animals. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:124-125. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 9:836-837. 1964.
- CH'EN, Y. K. High yields of rice and climatic conditions. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 193:1-8. June 30, 1965. (JPRS 30,881; TT 65-31387; CSO 3576-D) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 4:304-307. Apr. 1965.
- CH'EN YU-P'ING, P'ENG TSU-NIEN, and T'AN CHUNG-HO. Experience on bringing about high yield in rice crop cultivation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:8-20. Aug. 16, 1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 2:25-30. Feb. 15, 1965.

- CHEPURNOV, I. Economic problems pertaining to the development of animal husbandry—basic directions of the growth of economic effectiveness in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 102:5-18. Oct. 27, 1965. (JPRS 32,582; TT 65-33061) 173 J663Tso
Translation from Voprosy Ekonomiki 8:22-30. Aug. 1965.
- *CHERPANOV, A. I. Description of the larva of *Athous rufiventris* Eschz. (Coleoptera, Elateridae). Entomol. Rev. 44(1):92-93. Jan./Mar. 1965. 421 R322Ae
- *CHERKASSKII, E. S., and KORNEEVA, I. T. Serodiagnosis of viral variegated petal disease of tulips. Acad. Sci. USSR. Dokl. Biol. Sci. 160 (1/6):91-93. Ref. Jan./Feb. 1965. 511 P444Aeb
- *CHERNOV, Y. I. Synanthropic Diptera in the tundra zone of the USSR. Entomol. Rev. 44(1):39-44. Ref. Jan./Mar. 1965. 421 R322Ae
- CHIANG CH'ENG-CHUNG, and others. The most fruitful utilization of the grassland and the construction of water conservancy works in Northwest China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:38-43. Nov. 24, 1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Fang K'un, Chou Sh'eng-shan, Li Kuang-yen, Chang K'ai-ch'ang, and Li P'eng-po, joint authors.
Translation from Chung-kuo Nung Pao 1:35-37. Jan. 10, 1964.
- CH'EN, H. C. Massive advance of sanitation work toward rural areas. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:1-15. Jan. 11, 1966. (JPRS 33,699; TT 66-30143; CSO 3530-D) 173 J663Trh
Translation from Hung Ch'i 13:1-9. Dec. 6, 1965.
- CHIKOV, P. Siberian river flood meadows as potential forage sources. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:25-27. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Sovetskaya Rossiya, Sept. 8, 1965:1.
- CHINESE ACADEMY OF SCIENCES, INSTITUTE OF PEDOLOGY. Concerning our study of rice high-yield experience of Ch'en Yung-K'ang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:11-19. Aug. 16, 1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 5:382-386. May 1965.
- CHOJNACKA, H. Peasant farming income in 1961-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 410:1-22. Jan. 11, 1966. (JPRS 33,698; TT 66-30142) 173 J663Ste
Translation from Zagadnienia Ekonomiki Rolnej 5:17-38. 1965.
- CHUNG, C. Economic theory work to face countryside. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10:126-134. Dec. 20, 1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 10:70-73. Oct. 20, 1965.
- CHUNG CH'I. Reforestation in China's economic growth. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 26:1-8. Jan. 27, 1965. (JPRS: 28,507) 173 J663Tcf
Translation from Ching Chi Tao Pao, Dec. 21, 1964.
- CHUNG HUONG. Five great years for food-stuffs industries. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 225:1-5. Feb. 23, 1966. (JPRS 34,254; TT 66-30695) 173 J663Trn
Translation from Ky Thuat Cong Nghiep Nhe 12:1-2. Dec. 1965.
- COCULESCU, G. Farm use of chemical fertilizers. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:35-38. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Viata Economica 9:9-10. Mar. 1966.
- CYWINSKI, T. The problems of milk procurement—Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:7-10. Dec. 17, 1964. (JPRS 27,897) 173 J663Ste
Translation from Zycie Gospodarcze 45:8. Nov. 1964.
- DAVIDESCU, D. Agricultural science in full development. 6 p. (JPRS 25,933; TT 64-41204) Transl. 14189
Translation from Stiinta si Tehnica 16(6):3-5. June 1964.
- DAVYDOVA, YU. S. Azeotropic method of obtaining fish meal. 8 p. (JPRS 23,470; OTS 64-21691) Transl. 14108
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khoz-yaistva i Okeanografii. Trudy 45:139-142. 1962.
- DESYATOV, V. Importance of antibiotics and vitamins in animal husbandry. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:97-101. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 9:32. Mar. 3, 1965.
- *DITMAR, V. I., and TIKHOMIROV, V. I. Permian evaporites in southwest central Kazakhstan. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158(1/6):79-82. Sept./Oct. 1964. 511 P444Aee
- DMITRIYEV, YU., and BRUN'KO, V. Improvement in accounting procedures at Taganrog combine plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:8-11. May 27, 1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 16:19. Apr. 1965.
- *DOBRETSOVA, T. B., LUTKOV, A. N., and MANZHOS, A. M. Spontaneous polyploid and haploid forms of sugar beet in twin plants. Acad. Sci. USSR. Dokl. Biol. Sci. 160(1/6):64-67. Ref. Jan./Feb. 1965. 511 P444Aeb
- DOBRTSKAYA, YU. I., and others. Zinc, copper, cobalt and molybdenum in some soils in the European part of the USSR. 31 p. Ref. (JPRS 26,040; TT 64-41310) Transl. 14185
E. G. Zhuravleva, L. P. Orlova, and M. G. Shirinskaya, joint authors.
Translation from Mikroelementy v nekotorykh pochvakh SSSR 1964:85-113.
- DOBYCHIN, V. P. The use of radioactive isotopes for field determination of the bulk density and moisture content of soils. 20 p. (OTS 62-32966) Transl. 15533
Translation from Mezhvuzovaya Konferentsiya po Ispytaniyam Sooruzhenii. Doklady 1958:245-255.
- DOLOTIN, N. Chaos in spare parts production—a national crisis. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 216:21-30. July 19, 1965. (JPRS 31,135; TT 65-31633; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 22:16-17. June 2, 1965.
- DOMINIK, T. Investigations on the mycotrophy of beech associations on the Baltic coast. 43 p. Ref. (OTS 61-11329) Transl. 14989
Translation from Ekologia Polska. Ser. A, 5 (7):213-256. 1957.
- DOMINIK, T., and PACHLEWSKI, R. Investigations on the mycotrophy of pine associations in Leba on the Baltic Coast. 38 p. (OTS 61-11331) Transl. 14292
Translation from Polskie Towarzystwo Botaniczne. Sekcja Dendrologiczna. Rocznik 10:53-96. 1955.

- *DOROFYEV, P. I. The Sarmatian flora from the vicinity of Apsheronsk. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 156(1/6):173-176. Ref. May/June 1964. 511 P444Aee
- DOROSHENKO, YA. Bank and kolkhoz. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 93: 1-3. Aug. 26, 1965. (JPRS 31,737; TT 65-3232; CSO 1840-N) 173 J663Tso
Translation from Sel'skaya Zhizn, ' Aug. 6, 1965:2.
- DORZHIYEV, D. D. Cost accounting leads to profits. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 61:1-6. Jan. 19, 1965. (JPRS 28,354) 173 J663Tso
Translation from Uchet i Finansy v Kolkhozakh i Sovkhozakh 10:27-30. Oct. 1964.
- DRABATY, I. Can bees be multiplied in winter? 6 p. Transl. 15839
Translation from Archiv fur Bienenkunde 12 (7/8):277-289. 1931.
- *DUBININ, N. P., and SHCHERBAKOV, V. K. Interaction of natural and chemical mutagens. Acad. Sci. USSR. Dokl. Biol. Sci. 160(1/6):58-59. Ref. Jan./Feb. 1965. 511 P444Aeb
- DUBROVINA, Z. V., and BELOVA, O. M. Changes in the strontium-90 content of food products after cooking. 5 p. (JPRS 24,139; OTS 64-31050) Transl. 14080
Translation from Gigiena i Sanitariya 2:40-43. Feb. 1964.
- DUMONT, R. Lands alive. 247 p. HD1445.D8
Translation of Terres Vivantes.
- *DUNSKIY, V. F. Inertial settling of a coarsely dispersed aerosol on Vegetation. Acad. Sci. USSR Dokl. Earth Sci. Sect. 159(1/6):11-13. Nov./Dec. 1964. 511 P444Aee
- DUONG QUOC-CHINH. Step up scientific and technological work in agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 163:10-23. Apr. 27, 1965. (JPRS 29,768) 173 J663Trn
Translation from Khoa Hoc Ky Thuat Nong Nghiep 2:79-84. Feb. 1965.
- DUSZA, J. Fiscal policy and investments on private farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 323:9-23. Dec. 8, 1964. (JPRS 27,734) 173 J663Ste
Translation from Wies Wspolczesna 9:23-36. Sept. 1964.
- *EL'BERG, K. YU. New Palearctic genera and species of Sciomyzidae (Diptera, Acalyptrata). Entomol. Rev. 44(1):104-109. Jan./Mar. 1965. 421 R322Ae
- ELEMA, H. M. Shall we have electric agricultural tractors? 4 p. Transl. 14381
Translation from Landbouwmecanisatie 11 (10):649,651,653. Oct. 1960.
- ENDO, S. Studies on the oscillating subsoiler. 3. Trial manufacture of oscillating subsoiler for tractors and its test. 17 p. Transl. 15825
Translation from Society of Agricultural Machinery, Japan. Journal 25(2):76-82. Sept. 1963.
- ENSLIN, E. Contribution to our knowledge on the Hymenoptera: Rhophites canus Evers. and Discoelius zonalis Panz. 4 p. Transl. 14380
Translation from Deutsche Entomologische Zeitschrift 11:59-64. 1921.
- ESCH, H. Registration of antennal movements of Apis mellifera. 4 p. Ref. Transl. 14379
Translation from Archiv fur Bienenkunde 38 (1):41-44. 1961.
- ESCH, H. Sound production in the recruiting dance of the honey bee. 6 p. Transl. 14377
Translation from Zeitschrift fur Vergleichende Physiologie 45:1-11. 1961.
- EYKHE, M. Methods for obtaining a high fat content in milk. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 58:6-8. Jan. 7, 1965. (JPRS 28,168) 173 J663Tso
Translation from Sovetskaya Latviya, Oct. 3, 1964:3.
- FATEEV, E. Energy of wind—to the service of agriculture. 19 p. Transl. 14376
No source of translation given.
- FEDOROV, E. A., and GUBIN, F. A. Concentrated maltose for feeding bees in the spring. 3 p. Transl. 14375
Translation from Pchelovodstvo 26(3):169-171. Mar. 1949.
- FEDOROV, K. New methods to be used at Chirchik agricultural machine-building plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 185:10-14. Apr. 9, 1965. (JPRS 29,513; TT 65-30695; CSO 1830-S/PE) 173 J663Tsi
Translation from Pravda Vostoka, Dec. 11, 1964:3.
- FEDOROV, V. D., and MAKSIMOV, V. N. Metabolism of sulfur compounds in cultures of the photosynthetic green sulfur bacterium Chlorobium thiosulfatophilum. Acad. Sci. USSR. Dokl. Biol. Sci. 160(1/6):100-101. Jan./Feb. 1965. 511 P444Aeb
- *FEDOROV, V. D., and IONICHEVA, G. A. Phospholipids of the photosynthetic green thio-bacteria Chlorobium thiosulfatophilum. Acad. Sci. USSR. Dokl. Biol. Sci. 161(1/6):222-224. Mar./Apr. 1965. 511 P444Aeb
- FEDOSEEVA, L. I. A survey of herbivorous spp. of Bruchophagus Ashm. (Hymenoptera, Chalcidoidea) in the USSR. 5 p. Transl. 14374
Translation from Zoologicheskii Zhurnal 37 (9):1345-1351. 1958.
- FEJES, S. Discussion of results and experiences of the orchard and vineyard development program. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 322: 21-26. Dec. 4, 1964. (JPRS 27,686) 173 J663Ste
Translation from Nepszabadsag, Oct. 18, 1964: 7.
- FINANCE-TRADE POLITICAL DEPT. OF CCP HSIN-HSIANG DISTRICT COMMITTEE AND THE FINANCE-TRADE COMMITTEE OF HSIN-HSIANG SPECIAL ADMIN. BUR. Commercial work and diversified operations. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10:43-55. Dec. 20, 1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 10:19-23. Oct. 20, 1965.
- FISCHER, H. Development of dairy production, 1954-1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 391:9-18. Sept. 16, 1965. (JPRS 32,021; TT 65-32515) 173 J663Ste
Translation from Die Lebensmittel Industrie 8:301-304. Aug. 1965.
- FOURTALLIER, J. Contribution to the determination of pesticide residues in intoxicated bees. 13 p. Transl. 15855
Translation from Bulletin Apicole 7(2):183-193. 1964.
- FUJIOKA, Y. On the influence of transpiration of rice-crops upon the percolation. 11 p. Transl. 14383
Translation from Journal of the Agricultural Engineering Society of Japan 25(5). Feb. 1958.
- FUJIOKA, Y., and others. On the micrometeorological elements and E-T in each growing stage of paddy rice plant. I. On the relation between transpiration and the thickness of the plant growth. 12 p. Transl. 15536
M. Matsuda, K. Ichimura, K. Nakayama, and Y. Yamamoto, joint authors.
Translation from Journal of the Agricultural Engineering Society, Japan 10:36-42. 1965.
- FUKE, Y. On the short day and illumination treatments applied to rice, with emphasis on the time and duration of the treatments. 27 p. Ref. Transl. 14384
Translation from Tokyo. Imperial Agricultural Experiment Station. Journal 1(4):263-286. Mar. 1931.

- FURUSAKA, T. Soil-microbiology and its environment. 11 p. Transl. 15840
Translation from Chemistry and Life 3(1):36-38. 1965.
- GABOVICH, S. A., and ZORIN, S. P. Some problems of modernization and construction of hauling tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 202:4-7. May 31, 1965. (JPRS 30,348; TT 65-31131) 173 J663Tsi
Translation from Lesnaya Promyshlennost' 3:6-8. Mar. 1965.
- GAMMERMAN, A. F. Medicinal plant resources in China and Tibet. Soap. Perfumery Cosmetics 39(3):201-204. Mar. 1966. 307.8 So13
Translation from Pyatigorsk. Farmatsevticheskii Institut, 1958: 373-377.
- *GARETSKIY, R. G., KOTOVA, I. Z., and SHLEZINGER, A. YE. Upper Jurassic continental strata of Ust'-Urt. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 154(1/6):19-21, map. Ref. Jan./Feb. 1964. 511 P444Aee
- GASANOV, G. Increased material self-interest in Azerbaydzhan agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:62-65. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 6:8. Feb. 1965.
- GAVERILOV, V. Improve the practice of state procurements. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:16-18. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 12:31. Mar. 24, 1965.
- GEL'MAN, V. M. Resources for intensifying labor. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 162:1-5. Jan. 12, 1965. (JPRS 28,256; TT 65-30119) 173 J663Tsi
Translation from Mekhanizatsiya Sil's'koho Hospodarstva 10:17-18. Oct. 1964.
- *GERASIMOV, I. P., and ROZOV, N. N. Scientific activity of Ye. N. Ivanova. Soviet Soil Sci. 7:834-838. July 1965. 57.8 P34Ae
- GESING, F. Agricultural circles in 1966 in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:6-11. Mar. 30, 1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from Nowe Rolnictwo 3:4-6. Feb. 1966.
- GIL'SHTEYN, P., and BLOSHTEYN, E. Machines for combating wind soil erosion. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:18-21. June 30, 1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from Sel'skiy Mekhanizator 3:8-9. Mar. 1965.
- *GINZBURG, L. V., and others. Reaction of unsaturated elastomers with phenolformaldehyde derivatives under vulcanizing conditions. Polymer Sci. U.S.S.R. 7(1):57-65. Ref. 1965. 381 P763
V. A. Shershnev, V. P. Pshenitsyna, and B. A. Dogadkin, joint authors.
- GLUCHOVA, V. M. On the gonotrophical cycle of the midges of genus Culicoides (Diptera, Heleidae) of the Karelian ASSR. 11 p. (TT 63-23594) Transl. 15046
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Parazitologicheskii Sbornik 18:239-254. 1958.
- GODNEV, T. N., and SCHABELSKAYA, E. F. Formation of chlorophyll and carotenoids in the fruit of the tomato in the process of gradual growth and ripening. 7 p. Transl. 14385
Translation from Akademiya Nauk Belorusskoi SSR. Doklady 7:347-349. 1963.
- *GOLUBEVA, L. V. Types of Pleistocene periglacial vegetation in eastern Siberia. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):74-77. Ref. Mar./Apr. 1964. 511 P444Aee
- GOLYSHEVA, M. G. Morphology of development of the fungus Eremothecium Ashlii. 4 p. Transl. 15841
Translation from Akademiya Nauk SSSR. Doklady 73(8):585-587. 1950.
- GORBAN', D. V., and TVERDOKHLEBOV, L. S. Increasing the yield of white sugar. 6 p. (TT 63-16357) Transl. 15297
Translation from Sakharnaya Promyshlennost' 7:20-23. 1957.
- *GORBUNOV, M. G. A fossil nut found near the village of Antropovo, Tavda R. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):78-80. Mar./Apr. 1964. 511 P444Aee
- GORODOVIKOV, B. Growing rice on the Sarpa lowlands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:15-16. Mar. 30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Translation from Sovetskaya Rossiya, Mar. 11, 1966:1.
- GOSCHICK, E. Further development of services rendered by farmer trade cooperatives [Bauerliche Handelsgenossenschaften]. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 409:1-5. Jan. 7, 1966. (JPRS: 33,647; TT: 66-30091) 173 J663Ste
Translation from WTF Feldwirtschaft 6(12): 534-536. Dec. 1965.
- *GOSTIMSKII, S. A., and KHVOSTOVA, V. V. Variation of the frequency of chromosome rearrangements arising under the action of ethyleneimine in the first mitosis of pea rootlets. Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6):344-347. May/June 1965. 511 P444Aeb
- GOTO, S., KOBAYASHI, J., and ISHIDA, Y. An experimental study on the use of tractors for rice field cultivation. 20 p. Transl. 15435
Translation from Nogyo Doboku Kenkyu 10: 13-18. 1964?
- GRINBERG, L. Certain problems of land reclamation work in Turkmenia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:127-131. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Turkmenskaya Iskra, Feb. 28, 1965:3.
- GRINKO, T. F. Work methods for breeding productive sugar beet varieties with high sugar content, and ways for the use of heterosis in beets. 9 p. Transl. 14013
Translation from Ukrainskaya Akademiya Sel'skokhozyaistvennykh Nauk. Dostizheniya nauki i peredovoi opyt po svezklovodstvu 1961: 219-225.
- GUBENKOV, N. Excess of defective engines produced by Serp i Molot plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 195:5-10. Apr. 29, 1965. (JPRS 29,811; TT 65-30847) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 10:29. Mar. 1965.
- GUCWA, S. Reconstruction of Polish agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 407: 12-27. Jan. 3, 1966. (JPRS 33,558; TT 66-30003) 173 J663Ste
Translation from Wies Wspolczesna 10:28-40. Oct. 1965.
- *GUR'YEVA, Y. L. The click beetle fauna (Coleoptera, Elateridae) of central Kazakhstan. Entomol. Rev. 44(1):55-58. Jan./Mar. 1965. 421 R322Ae
- GUSEVA, A. R., and NESTYUK, M. N. Methods for the determination of the flavone substances in plants. 7 p. Transl. 15296
Translation from Biokhimiya 18(4):480-483. 1953.
- HARTIA, S. New draft statutes for agricultural cooperatives. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:1-16. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Probleme Economice, Vol. XIX 1:50-63. Jan. 1966.

- HEILUNGKIANG. DEPT. OF AGRICULTURE. SEED SECT. Grasp firmly the opportunity and develop work on artificial pollination and hybridization of corn. 3 p. (JPRS 4417) Transl. 14809
Translation from Heilungkiang Jih-pao. Aug. 2, 1960:2.
- HERDEA, V. Better farm use of the genetic potential of animal species. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:47-51. Apr. 12, 1966. (JPRS 34,999; 66-31437) 173 J663Ste
Translation from Viatā Economica 9:11. Mar. 1966.
- HO, C. F. Wall-less three-blade plow. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:16. Dec. 22, 1965. (JPRS 33,457; TT 65-34031) 173 J663Tco
Translation from Chung-kuo Nung Yeh Chi Hsieh, Apr. 1965:26.
- HO, L. H. Preliminary study on the farming method under drought conditions in West Heilungkiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:1-7. Aug. 16, 1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 2:11-14. Feb. 15, 1965.
- HOANG ANH. Promote agricultural production and build socialism. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12: 30-44. Jan. 20, 1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from Hoc Tap 12:15-22. Dec. 1965.
- HOANG BAC. Economic development of the mountain region. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 224:20-31. Feb. 8, 1966. (JPRS 34,048; TT 66-30490) 173 J663Trn
Translation from Tuyen Huan 12:25-32. Dec. 1965.
- HOFMANN, F. Efficient hog production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 407:1-8. Jan. 3, 1966. (JPRS 33,558; TT 66-30003) 173 J663Ste
Translation from Die Deutsche Landwirtschaft 12:499-501. Dec. 1965.
- HONAN. CHUNG-MOU HSIEN COMMITTEE. Experience on eliminating the perils of diseases in sweet potatoes. 8 p. (JPRS 7904) Transl. 14814
Translation from Jen-min Jih-pao Jan. 27, 1961:3.
- HOU HSUEH-YU, and others. Suggestions on the lines of development for agriculture, forestry, husbandry, subsidiary industry and fishery in the various natural zones in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 58:1-44. June 8, 1965. (JPRS: 30,478) 173 J663Tcf
Chiang Shu, Ch'en Ch'ang-tu, and Hu Shih-chih, joint authors.
Translation from K'o Hsueh T'ung Pao 9:8-26. Sept. 17, 1964.
- HSIUNG, I., and others. Sedimentation conditions and soil development in the vicinity of Lin-ch'ing in Shantung. 14 p. (JPRS 4975) Transl. 14876
C. Hsi, T. Chang, and T. Wang, joint authors.
Translation from Acta Pedologica Sinica 4(2): 117-126. 1956.
- HSU CHAN-JEN. Forestry in Liaoning. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:17-23. May 19, 1965. (JPRS: 30,140) 173 J663Tcf
Translation from Hei-lung-chian Lin Yeh 10: 22-23. Oct. 5, 1964.
- HSU CH'ANG. The progress of forestry in Heilungkiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:1-10. May 19, 1965. (JPRS: 30,140) 173 J663Tcf
Translation from Hei-lung-chiang Lin Yeh 10:10-12, 9. Oct. 5, 1964.
- HSU CH'ENG-YEH, CHOU CHEN-HAN, and YUAN YUN-FENG. The pattern of the spread of wheat leaf rust in Kiangsi and its prevention and remedy. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:9-23. Nov. 24, 1964. (JPRS: 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:17-22. Jan. 10, 1964.
- HSU I-AN, and YUEH YEH. The experience of planned use of water in the irrigation district of Shensi Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 28:9-22. Feb. 11, 1965. (JPRS: 28,714) 173 J663Tcf
Translation from Chung-kuo Nung Pao 6:35-39, 12. June 10, 1964.
- HSU KUO-HSUAN, and HOU CH'UAN-CH'ING. Observations on the article by Mr. Hou Hsueh-yu and others entitled "Suggestions on the lines of development for agriculture, forestry, husbandry, subsidiary industry and fishery in the various natural zones in China." U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 58:45-53. June 8, 1965. (JPRS: 30,478) 173 J663Tcf
Translation from K'o Hsueh T'ung Pao 2:146-149. Feb. 17, 1964.
- HUANG, C. C. The important tasks in agricultural statistical work in 1960. 17 p. (JPRS 4023) Transl. 14815
Translation from Chi-hua yu T'ung-chi 2:18-21. Feb. 23, 1960.
- IBRAGIMOV, M. New technology for cotton sowing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 196:9-12. May 5, 1965. (JPRS 29,943; TT 65-30923) 173 J663Tsi
Translation from Klopkovodstvo 12:16-17. Dec. 1964.
- IBRANYI, K. Analysis of some wheat characteristics for the augmentation of the grading process. 10 p. Transl. 14772
Translation from Malomipar es Termenyfor-galom, p. 462-468. n.d.
- ILLJIN, M. Method in carrying out agricultural policy in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 433:15-26. Apr. 19, 1966. (JPRS 35,098; TT 66-31535) 173 J663Ste
Translation from Socijalizam 2:167-178. Feb. 1966.
- IL'IN, G. Demethylation of nicotine in the plant cell. 8 p. Transl. 15299
Translation from Akademiya Nauk SSSR. Doklady 59(1):99-102. 1948.
- *IN MEMORY of Professor Yefim Fedorovich Pavlov. Soviet Soil Sci. 7:853-854. July 1965. 57.8 P34Ae
- IOANNISYAN, S. Measures taken by kolkhoz and sovkhos farms to increase the butterfat content of milk. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 55:1-11. Dec. 23, 1965. (JPRS 27,968) 173 J663Tso
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 8:42-45. Aug. 1964.
- IPAKYAN, S. Development of irrigated farming in the USSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:11-18. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Vestnik Statistiki 7:9-15. July 1965.
- *ISMAILOVA, S. KH., KOZLOV, YU. P., and BURLAKOVA, E. V. Effect of acrylamide and its hydrogenated derivative on the growth and development of a culture of tumor and normal plant tissue. Acad. Sci. USSR. Dokl. Biophys. 160/162:21-22. Jan./June 1965. 511 P444Aebp
- *IVANOVA, YE. N. Frozen taiga soils of northern Yakutia. Soviet Soil Sci. 7:733-744. July 1965. 57.8 P34Ae

- IVASHKIN, V. M., TIMOFEEVA, T. N., and KHROMOVA, L. A. On the causal agents of stephanofilaria in large cattle. 5 p. Transl. 15045
Translation from Akademiya Nauk SSSR. Gel'mintologicheskaya Laboratoriya. Trudy 11:109-114. 1962.
- IZOTOV, A. YE. 1965 plans for the Soviet tractor industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 193:1-6. Apr. 26, 1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from Traktory i Sel'khozmashiny 2:1-2. Feb. 1965.
- JAGIELSKI, M. Agricultural problems and tasks [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 328:7-22. Jan. 4, 1965. (JPRS 28,093) 173 J663Ste
Translation from Nowe Drogi 12:38-51. Dec. 1964.
- JANJETOVIC, M. Production and productivity in the socialized sector in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 558:136-149. Ref. Mar. 28, 1966. (JPRS 34,763; TT 66-31202) 173 J663Tre
Translation from Socijalizam 12:1549-1562, n.m., 1965.
- JAYME, G., and AZZOLA, F. Optical microscope and electron microscope investigations of unbeaten and beaten chemical and semi-chemical beech [*Fagus sylvatica*] pulps. 19 p. Ref. Transl. 15843
Translation from Papier 18(10a):549-563. 1964.
- JĚN, Y. S. The forestry operation village is an ideal form of organization in building new socialist forestry regions. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 12:57-63. Feb. 25, 1966. (JPRS 34,301; TT 66-30742; CSO 13115-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 12:28-31. Dec. 20, 1965.
- JURKO, D., and MACAN, M. Wheat production in Croatia in 1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:9-14. Feb. 26, 1965. (JPRS 28,905) 173 J663Ste
Translation from Agronomski Glasnik 8/9: 581-585. Aug./Sept. 1964.
- KACHIKOV, S. Irrigation in Kherson region making considerable headway. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 81:4-6. June 30, 1965. (JPRS 30,882) 173 J663Tso
Translation from Rabochaya Gazeta, May 27, 1965:1.
- KADUSHIN, N., and DAURENBKOV. Method of cultivation of grain crops in Tselinnyy Kray. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 194:7-16. Apr. 28, 1965. (JPRS 29,790; TT 65-30835) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaystve 1:4-10. Jan. 1965.
- KANIUGA, Z. Glutamine synthesis and nitrogen assimilation from urea and from ammonium ions. 20 p. Ref. (OTS 61-11322) Transl. 14987
Translation from Acta Societatis Botanicorum Poloniae 27(2):313-342. 1958.
- *KARAVAYEVA, N. A., and others. Peculiarities of soil formation in the tundra taiga frozen regions of eastern Siberia and the Far East. Soviet Soil Sci. 7:756-766. Ref. July 1965. 57.8 P34Ae
I. A. Sokolov, T. A. Sokolova, and V. O. Tar-gul'yan, joint authors.
- KAS'YANOVA, N. New "Eureka" tractor with air-cushioned tracks. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:1-2. June 30, 1965. (JPRS 30,874; TT 65-31386; CSO 1830-D) 173 J663Tsi
Translation from Sel'skaya Gazeta, May 28, 1965:2.
- *KASYMOV, S. Z., YULDASHEV, P. Kh., and YUNUSOV, S. YU. Investigation of alkaloids of the epigeous portion of *Vinca erecta*. Acad. Sci. USSR. Dokl. Chem. Sect. 162(1/6):428-429. May/June 1965. 511 P444Aec
- KEBIN, I. Agricultural problems in Estonia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:19-29. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 12:3-4. Mar. 24, 1965.
- KHACHIRASHVILI, G. Operation of the "Yuzhnyy" sovkhoz-poultry combine of Krymskaya oblast. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 59:10-19. Jan. 8, 1965. (JPRS 28,203) 173 J663Tso
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo RSFSR 9:40-42. Sept. 1964.
- *KHLEBNIKOV, V. Problems in analyzing the profitability of agricultural production. Probl. Econ. [N.Y.] 8(7):22-31. Nov. 1965. 280.8 V89Ae
- KHMELEV, A. The new purchase and selling prices for milk and cream. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:44-48. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Zakupki Sel'skokhozyaistvennykh Produktov 2:52-53. Feb. 1965.
- KHOROSHEV, I., and others. Use of malleable perlite iron in agricultural machine parts urged. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 166:17-18. Feb. 3, 1965. (JPRS 28,610; TT 65-30269; CSO 1830-N) 173 J663Tsi
G. Shifrin, M. Verkholomov, and I. Dudnikov, joint authors.
Translation from Ekonomicheskaya Gazeta 47:41. Nov. 1964.
- *KHROLINSKIY, L. G. On weevils of the genus *Apion* Hbst. (Coleoptera, Curculionidae) of the Chernovtsy Province. Entomol. Rev. 44(1): 59-65. Ref. 421 R322Ae
- KHRULEV, V. M. Functional expression of the results of accelerated and gradual aging of the glued joints of bonded wood. 5 p. Transl. 15844
Translation from Derevoobrabatvyayushchaya Promyshlennost' 13(11):15-17. 1964.
- *KHUDYAKOV, I. S. Fleas (Aphaniptera) in the coastal zone of the southern Maritime Territory. Entomol. Rev. 44(1):66-69. Jan./Mar. 1965. 421 R322Ae
- KIERMEIER, F., and RICKERL, E. Causes of discoloration of steamed potatoes. I. Effect of phenolic substances. 10 p. (TT 64-10517) Transl. 15312
Translation from Zeitschrift fur Lebensmittel-Untersuchung und Forschung 100:441-449. 1955.
- KIERMEIER, F., and RICKERL, E. Causes of discoloration of steamed potatoes. II. The effect of iron. 9 p. (TT 64-10516) Transl. 15314
Translation from Zeitschrift fur Lebensmittel-Untersuchung und Forschung 102:330-337. 1955.
- KIKNADZE, I. I., and FILATOVA, I. T. Variations of RNA in giant chromosomes of *Chironomus dorsalis* during metamorphosis and experimental effects. 7 p. Ref. (JPRS 22,666; OTS 64-21245) Transl. 14171
Translation from Akademiya Nauk SSSR. Doklady 152(2):450-453. 1963.
- KIM NGOC. Some experiences of the Vinh Phuc party organization in leading agricultural production. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam 6:115-120. July 19, 1965. (JPRS: 31,139; TT: 65-31637) 173 J663Th
Translation from Hoc Tap 6:64-67. June 1964.
- *KIRINA, T. I. Stratigraphy of Jurassic deposits of the Vilyuy syncline. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158(1/6):13-15. Ref. Sept./Oct. 1964. 511 P444Aec

- KISLYAKOV, B. Achievements and needs of the textile industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 94:49-53. Sept. 20, 1965. (JPRS 32,076; TT 65-32569; CSO 1840-D) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 32:33. Aug. 11, 1965.
- KLIMENKOV, V., and RUBTSOV, G. Efficient operation of Lipetsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 168:1-6. Feb. 18, 1965. (JPRS 28,808; TT 65-30352) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 48:8-9. Nov. 1964.
- KLIMENKOV, V. Lipetsk tractor plant achieves profitable operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 166:11-16. Feb. 3, 1965. (JPRS 28,610; TT 65-30269; CSO 1830-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 48:8-9. Nov. 24, 1964.
- KLIMENKO, V. G., BEREZOVNIKOV, A. D., and LEONOV, G. B. Change in the composition of proteins in ripening seeds of lentil, cowpea, and chickpeas. 8 p. Transl. 14971
Translation from Biokhimiya 29(4):596-601. July/Aug. 1964.
- KLIMOV, A. The cooperators' urgent task. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93:9-19. Sept. 7, 1965. (JPRS 31,883; TT 65-32377; CSO 1840-S) 173 J663Tro
Translation from Sovetskaya Potrebiteľ'skaya Kooperatsiya 6:4-11. June 1965.
- KNIPPER, N. V. Use of high-frequency currents for grain drying. 12 p. Transl. 14066
Translation from Nauch. Trud. Elektrif. Selkhoz. 2. 1956.
- KOCHAN, N. Activities of the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:5-7. July 19, 1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Sel'skaya Gazeta, June 5, 1965:2.
- KOLESNIKOV, F. Public participation in tractor plant administration. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 244:6-8. Dec. 7, 1965. (JPRS 33,190; TT 65-33766; CSO 1830-S) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 45:5. 1965.
- *KOLESNIKOVA, T. D. An aquatic fern, *Azolla interglacialica* Nikitin, from the Quaternary deposits of the Vologda Oblast. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 157(1/6):154-156. Ref. July/Aug. 1964. 511 P444Aee
- *KOLESNIKOVA, T. D. *Caldesia parnassifolia* (Bassi) Parl. from the quaternary deposits in the Vologda Oblast. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 156(1/6):177-179. Ref. May/June 1964. 511 P444Aee
- KOLLMANN, F. Wood as construction material of the future. 10 p. Transl. 15847
Translation from Holz-Zentralblatt, June 18, 1965.
- KOMAROVSKIY, A. A report on the Tashkent agricultural machinery plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 217:1-11. July 26, 1965. (JPRS 31,232; TT 65-31729) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 21:9-10. May 26, 1965.
- KOMISSAROV, G. G., NEKRASOV, L. I., and KOBOSEV, N. I. Duration of chlorophyll fluorescence at different concentrations in adsorbates and in the green leaf. 5 p. Ref. (TT 64-18827) Transl. 15310
Translation from Akademiya Nauk SSSR. Doklady 154:950-952. 1964.
- KONDRAT'EV, E. V., and KOSTINA, M. L. Method of analysis: of plant materials. 12 p. Transl. 15288
Translation from Zhurnal Prikladnoi Khimii 24(8):870-875. 1951.
- KONEV, V. Agriculture in the Amurskaya Oblast. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 243:1-4. Nov. 29, 1965. (JPRS 33,071; TT 65-33648; CSO 1840-N) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 41:28. Oct. 13, 1965.
- KONN, V. The influence of invert sugar upon removal of amino-acids from sugar solutions during saturation. 16 p. (TT 63-14574) Transl. 15309
Translation from Listy Cukrovarnické 49: 190-195. 1930.
- *KONURBAYEV, E. O. Biting midges (Diptera, Heleidae) of the Issyk-Kul' depression in Kirgizia. Entomol. Rev. 44(1):75-78. Jan./Mar. 1965. 421 R322Ae
- KORENBERG, E. I. Role of birds in the feeding of ixodid ticks in natural foci of encephalitis in the forest zone. 11 p. Ref. (TT 64-15632) Transl. 15845
Translation from Zoologicheskii Zhurnal 41(8):1220-1225. 1962.
- KORENYAKO, A. I., KUCHAEVA, A. G., and MISHUSTINA, I. E. Distribution of Actinomycetes-antagonists in the soils of the Kola Peninsula. 10 p. Transl. 14446
Translation from Mikrobiologiya 24(1). 1955.
- KORNAL, J., BAGER, G., and RIMLER, J. First experience in economic programming. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 565:15-20. Apr. 27, 1966. (JPRS 35,206; TT 66-31643) 173 J663Tre
Translation from Figyelo, Mar. 30, 1965:3.
- KOSHMAN, V. Vibration suppression in tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 185:1-9. Apr. 9, 1965. (JPRS 29,513; TT 65-30695; CSO 1830-S/PE) 173 J663Tsi
Translation from Nauka i Zhizn' 10:18-21. Oct. 1964.
- KOTECHENKOV, A. Development of social production and private subsidiary farming. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:19-23. Mar. 23, 1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Planovoe Khozyaistvo 2:79-81. Jan. 1966.
- *KOTIN, N. I. Meadow soils in the lower reaches of the Balyktinsk flooded areas. Soviet Soil Sci. 7:775-782. Ref. July 1965. 57.8 P34Ae
- KOVALENKO, N. More efficient planning and design of farm machinery advocated. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 178:10-15. Mar. 19, 1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 1: 17. Jan. 1965
- KOVALENKO, N. New improved types of agricultural machinery planned in the USSR. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 203:6-11. June 1, 1965. (JPRS 30,363; TT 65-31135; CSO 1830-D) 173 J663Tsi
Translation from Rabochaya Gazeta, Apr. 21, 1965:1.
- *KOVALEV, O. V. Gall wasps (Hymenoptera, Cynipidae) in the south of the Soviet Far East. Entomol. Rev. 44(1):25-38. Ref. Jan./Mar. 1965. 421 R322Ae
- KOVAL'SKAYA, L. P. Factors affecting storage periods and the quality of fresh fruits, berries and vegetables treated by gamma rays. 7 p. (TT 64-13629) Transl. 15404
Translation from Konservnaya i Ovoshchesushil'naya Promyshlennost' 18(10):22-26. 1963.

- KOZLOV, G. High quality seed-growing should be under unremitting control to provide more farms with better seed varieties. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:39-43. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Sel'skaya Zhizn', 55:3. Mar. 7, 1965.
- KRAPOVICKAS, A., and RIGONI, V. Cytological studies in the genus *Arachis*. 6 p. (TT 64-10698) Transl. 15311
Translation from Revista de Investigaciones Agricolas 5:288-294. 1949.
- KRENKE, A. N., and DUBROVITSKAYA, N. I. The nature of the ferment catalase and its activity as a function of the state of growth of tobacco leaves. 9 p. Transl. 15280
Translation from Akademiya Nauk SSSR. Doklady 66:729-732. 1949.
- KRIEG, A., and HERFS, W. The effects of *Bacillus thuringiensis* on honey bees. 5 p. Transl. 14419
Translation from Entomologia Experimentalis et Applicata 6(1):1-9. 1963.
- KRUMBIEGEL, D. Crop and weather report, 11 January-10 February 1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:1-5. Mar. 30, 1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from Die Deutsche Landwirtschaft, 3:159.
- KRUTER, M. Economic stimulation as a lever for raising production. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:5-6. Apr. 2, 1965. (JPRS 29,393; TT 65-30631) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 8:11. Feb. 24, 1965.
- KUAN, T. T. Commerce must serve rural villages. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 12:19-32. Feb. 25, 1966. (JPRS 34,301; TT 66-30742; CSO 13115-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 12:11-17. Dec. 20, 1965.
- *KULIK, M. I. Influence of temperature and oxygen on the frequency of chromosome aberrations in tomatoes, induced by irradiation of the seeds. Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6):353-355. Ref. May/June 1965. 511 P444Aeb
- KUO, C. F. The relation between the distribution of enzymes and the translocation of substances in plant vascular bundles. 12 p. Transl. 15436
Translation from Acta Botanica Sinica 12(1):100-104. Mar. 1964.
- KUO, H. K. An example of coordination between biological research and production practice. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 194:21-30. July 2, 1965. (JPRS 30,929; TT 65-31428; CSO 3576-D) 173 J663Teco
Translation from K'o Hsueh T'ung Pao 4:298-303. Apr. 1965.
- KURASAWA, H., HAYAKAWA, T., and IGAUE, I. Biochemical study of rice starch. XII. Isoamylase fraction in seedrice at the milky stage. 15 p. Ref. Transl. 14418
Translation from Agricultural Chemical Society of Japan. Journal 34(2):183-187. 1960.
- KURSANOV, A. L. Trends in experimental biology. 8 p. (JPRS 26,381; TT 64-41640) Transl. 14495
Translation from Akademiya Nauk SSSR. Vestnik 34(7):36-42. July 1964.
- KUSHILKINA, N. V. Sowing quality with unit speeds of 9-15 km/hr. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:18-23. Mar. 15, 1965. (JPRS 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:16-18. 1964.
- KUZIN, A. M. The application of γ irradiation prior to sowing in agriculture. 4 p. Ref. (OTS 63-11054) Transl. 14330
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 7:127-130. 1960.
- KUZNETSOV, M. Supply problems at Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 184:6-7. Apr. 8, 1965. (JPRS 29,493; TT 65-30682) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 9:13. Mar. 3, 1965.
- *LAGUNOVA, YE. P. Fertility of the genetic horizons of Transvolga soils and methods of their restoration. Soviet Soil Sci. 7:816-824. Ref. July 1965. 57.8 P34Ae
- LAGUTENKO, YU. P. Functional and histological features of the gonotrophic cycle of the chicken mite *Dermanyssus gallinae* (Gamasoidea, Dermanyssidae). 15 p. (TT 64-15449) Transl. 15316
Translation from Meditsinskaya Parazitologiya i Parazitarnye Bolezni 32(3):313-319. 1963.
- LAIRAND, D. B. Contribution to the cytochemistry of wood. 14 p. Ref. Transl. 15848
Translation from Drevarsky Vyskum 1:1-10. 1963.
- LAM QUANG HUYEN. On the development of agricultural commodities in the North. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud. N. Vietnam 8:43-51. Sept. 17, 1965. (JPRS: 32,060; TT: 65-32553) 173 J663Th
Translation from Hoc Tap 8:45-50. Aug. 1965.
- LANIN, S. A new incentive system instituted at Khar'kov tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 187:4-6. Apr. 12, 1965. (JPRS 29,540; TT 65-30707) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 10:13. Mar. 10, 1965.
- LEBEDEV, P. T. Zoohygienical measures for prophylaxis of infectious atrophic rhinitis in pigs. 7 p. (TT 62-14848) Transl. 15379
Translation from Veterinariya 1:66-69. Jan. 1962.
- LEBEDEV, V. I. On occasion of the 80th birthday of academician A. YE. Fersman. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 8, 1964:15-17. (JPRS 26,788; TT 64-51045) 173 J663Bio
Translation from Vestnik Leningradskogo Universiteta—Seriya Geologii i Geografii 2:176-177. 1964.
- LE HONG TAM. Regarding the development of lumber and other forest products processing industries. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:23-43. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien-cuu Kinh-te 25:11-20. Feb. 1965.
- *LELESHUS, V. L. Fresh data on Upper Paleozoic stratigraphy and paleogeography of southern Tien Shan. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):89-91. Mar./Apr. 1964. 511 P444Aee
- LE LOC. The problem of agricultural crop zoning in the North. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud. N. Vietnam 10:93-100. Nov. 9, 1965. (JPRS: 32,783; TT: 65-33361) 173 J663Th
Translation from Hoc Tap 10:54-58. Oct. 1965.
- LE NGAN. Many agricultural products from Hung Yen produced for export. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 179:21-24. June 23, 1965. (JPRS. 30,764) 173 J663Trn
Translation from Thoi Su Pho Thong, Mar. 1965:28-33.

- LE NGAN. Step up the cultivation of industrial plants. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 155:54-61. Mar. 23, 1965. (JPRS 29,254) 173 J663Trn
Translation from Thoi Su Pho Thong 3:17-24. Feb. 1965.
- LEONOV, I. P. Aerodynamic properties of green tobacco leaves. 18 p. (TT 64-10664) Transl. 15431
Translation from Krasnodar. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki. Sbornik Nauchno-Issledovatel'skikh Rabot 151:117-126. 1960.
- LE QUANG TUAN. Success of 1964 agricultural production expands hopes for 1965. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:120-126. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien-cuu Kinh-te 25:71-73. Feb. 1965.
- LE TAI. Nhu Khe Committee did good irrigation leadership work. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 3: 138-143. Apr. 27, 1965. (JPRS: 29,770) 173 J663Th
Translation from Hoc Tap 3:72-76. Mar. 1965.
- LEWANDOWSKI, A., and others. Quantitative estimation of the total content of tobacco alkaloids by means of "cationized" filter paper. 14 p. Ref. Transl. 15381
H. Witkowski, J. Platek, and D. Brozozka, joint authors.
Translation from Chemia Analityczna 6(551). 1961.
- LI, C. K. A discussion on China's potassium fertilizer, based on content and the situation of potassium in soil. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:17-28. Ref. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 9:780-786. 1964.
- LI, H. N. The relationship between dormancy of winter wheat and meteorological conditions. 4 p. (JPRS 4495) Transl. 14817
Translation from Jen-min Jih-pao Nov. 28, 1960:7.
- LI, S. T. Agricultural tax work during the last ten years. 19 p. (JPRS 4162) Transl. 14813
Translation from Ts'ai-cheng 19:1-6. Oct. 9, 1959.
- LIANG, S. C. Kung-Nung type 7 manual-operated tractor. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 105: 13-17. Jan. 13, 1966. (JPRS 33,727; TT: 66-30171) 173 J663Tcco
Translation from Chung-kuo Nung Yeh Chi Hsieh 6:29-30. June 10, 1965.
- LI CH'ING-JUNG, MU FENG-JUNG, and CHANG HSIU-YING. Effect of vegetative area on soybean yield. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:30-36. July 8, 1965. (JPRS 30,987; TT 65-31485) 173 J663Tcf
Translation from Hei-lung-chiang Nung Yeh 1:37-40. Jan. 1965.
- LI MAN-HUI. Reduction of hydraulic engineering cost for the farms of the mountain regions. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 59:1-7. June 21, 1965. (JPRS: 30,703) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 2:11-13. Feb. 1965.
- LING, H. The development of diversified operations. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10:10-42. Dec. 20, 1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Translation from Ching Chi Yen Chiu 10:5-18. Oct. 20, 1965.
- *LISKUN, I. G., and MASLOV, V. P. A new fresh-water calcareous whorled siphon alga from the Quaternary deposits of the Altai. Acad. Sci. USSR. Dok. Earth Sci. Sect. 159 (1/6):179-181. May/June 1964. 511 P444Aee
- LI TU-JEN. Tricks for protecting soil against drought. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:9-11. Aug. 17, 1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Translation from Hsueh K'o Hsueh 1:6-7. Jan. 1965.
- *LITVIN, F. F., GULYAEV, B. A., and SI-NESHCHIEKOV, V. A. Aggregated forms of chlorophyll a, chlorophyll b, and beta-carotene in monolayers and films; migration of energy between them and in a chlorophyll a-beta-carotene complex. Acad. Sci. USSR. Dokl. Biophys. 160/162:88-91. Ref. Jan./June 1965. 511 P444Aebp
- LITVIN, F. F., RIKHIREVA, G. T., and KRASNOVSKII, A. A. Low temperature spectra of leaves and the state of chlorophyll. 13 p. Ref. Transl. 15438
Translation from Biofizika 7:578-591. 1962.
- LITYNSKI, M., and URBANIAK, Z. Observations on the influence of light on seeds of certain plant species during storage. 41 p. Ref. (OTS 61-31254) Transl. 14304
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(1):21-66. 1958.
- LIU, C. Y., and others. Several semi-mechanized farm machines of Hupeh Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:1-8. Dec. 22, 1965. (JPRS: 33,457; TT 65-34031) 173 J663Tcco
T. Y. Liu, C. T. Tseng, C. Y. Yang, P. H. Teng, and L. H. Ts'ui, joint authors.
Translation from Nung Yeh Chi Hsieh Chi Shu 7:24-25. July 1965.
- LIU, H. L., and others. Some agricultural machines in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:12-15. Dec. 22, 1965. (JPRS 33,457; TT 65-34031) 173 J663Tcco
J. C. Liu, H. Y. Chu, L. Y. Chou, H. S. Lo, C. C. Kuang, C. F. Chou, and Y. L. Fan, joint authors.
Translation from Nung Yeh Chi Hsieh Chi Shu 7:28-29. July 13, 1965.
- LIU, K. Make experiments of agricultural science in the midst of production. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:46-54. Jan. 11, 1966. (JPRS 33,699; TT 66-30143; CSO 3530-D) 173 J663Trn
Translation from Hung Ch'i 13:29-33. Dec. 6, 1965.
- LIU, S. The first all-China crop rotation symposium. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 187:116-119. June 15, 1965. (JPRS 30,608; TT 65-31262; CSO 3576-S) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 9:833-834. 1964.
- LIU, Y. C. The educational front should consider support of agriculture as the most glorious task. 11 p. (JPRS 4307) Transl. 14812
Translation from Kuang-ming Jih-pao Oct. 9, 1960:2.
- LIU CHEN-CH'I. Water conservancy construction in Hupeh Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 30:21-26. Feb. 18, 1965. (JPRS: 28,823) 173 J663Tcf
Translation from Nung T'ien Shui Li Yu Shui T'u Pao Ch'ih 2:1-3. Aug. 9, 1964.
- LIU TUNG-HUI, and T'AN KUO-CH'IAN. Research on cultivation techniques and theory of high-yield Indian corn. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:1-19. July 8, 1965. (JPRS: 30,987; TT: 65-31485) 173 J663Tcf
Translation from Hei-lung-chiang Nung Yeh 1:15-24. Jan. 1965.

- LOGINOV, L. I. The feasibility of utilizing sewage water containing natural radioelements for the irrigation of fields. 5 p. (JPRS 20,871; OTS 63-31657) Transl. 15317
Translation from *Gigiena i Sanitariya* 28(6): 20-23. June 1963.
- LOHS, K. H., and FRANZ, P. Analysis of high-toxic organic phosphoric-acid esters. 9 p. Ref. (JPRS 22,943; OTS 64-21414) Transl. 14202
Translation from *Acta Chimica* 26(1/4):451-458. 1961.
- LOZOVVOY, V. I. New agricultural equipment for 1965. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 193:7-10. Apr. 26, 1965. (JPRS 29,754; TT 65-30818) 173 J663Tsi
Translation from *Traktory i Sel'khoz mashiny* 2:17-18. 1965.
- LU, C. Y. Effect of precipitation on the yield of winter wheat in the plains of North China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 193:9-19. June 30, 1965. (JPRS 30,881; TT 65-31387; CSO 3576-D) 173 J663Tcco
Translation from *Ch' Hsiang Hsueh Pao* 33(3):392-398. Aug. 1963.
- LU, W. Meteorology in the service of agriculture. 12 p. (JPRS 20,302; OTS 63-31359) Transl. 14196
Translation from *Kitay* 5:6-9. 1963.
- LU CH'ANG-WEN, and NAN PING-YUAN. Experience and problems in the rotation of lowland and upland crops. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:20-29. July 8, 1965. (JPRS: 30,987; TT: 65-31485) 173 J663Tcf
Translation from *Hei-lung-chiang Nung Yeh* 1:25-29. Jan. 1965.
- LU SHIH-I. The biological races of wheat rust fungi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:24-27. Nov. 24, 1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from *Chung-kuo Nung Pao* 1:23-24. Jan. 10, 1964.
- LUGOMER, V. Experiments in producing aluminum hydroxide adsorbent vaccine against swine fever. 12 p. Ref. Transl. 14587
Translation from *Veterinarski Glasnik* 10: 367-373. Oct. 1940.
- LUU, V. D. Ten years of foreign trade in North Vietnam (1955-1965). U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 217:1-23. Dec. 21, 1965. (JPRS 33,418; TT 65-33992) 173 J663Trn
Translation from *Nghien Cuu Kinh Te* 29:12-22, 41. Oct. 1965.
- L'VOVICH, M. The role of science in water conservation. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:118-122. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from *Ekonomicheskaya Gazeta* 7: 8. Feb. 1965.
- MA, H. National conference on field practice work in agricultural sciences. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:43-47. Aug. 16, 1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from *K'o Hsueh T'ung Pao* 5:459-461. May 1965.
- MAGIROVSKTY, N. P. New machines for lumbermen. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 202:1-3. May 31, 1965. (JPRS 30,348; TT 65-31131) 173 J663Tsi
Translation from *Lesnaya Promyshlennost'* 3:4-5. Mar. 1965.
- MAHMUD, R. The appropriation of three million gineh for the achievement of the Rayan valley project in two years. U. S. Joint Publ. Res. Serv. Transl. Middle East 209:28-29. Apr. 15, 1966. (JPRS 35,064; TT 66-31502) 173 J663Trm
Translation from *Al-Ahram*, Mar. 15, 1966:7
- MALINOVSKII, B. N. Improving vigor in the first generation of sorghum hybrids. 5 p. (JPRS 24,705; OTS 64-31305) Transl. 14203
Translation from *Agrobiologiya* 1:148-151. 1962.
- MALYSHEV, S. I. The origin of secondary phytophagy in Terebrantia (Hymenoptera, Terebrantia s. Parasitica). 5 p. (TT 62-15628) Transl. 15378
Translation from *Leningradskoe Obshchestvo Estestvoispytatelei. Trudy* 73(4):229-233. 1957.
- *MAMAEV, B. M., and SEMENOVA, L. M. The morphology of the cuticle of gall midge larvae (Diptera, Cecidomyidae). Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6):306-308. May/June 1965. 511 P444Aeb
- MANESCU, R. Criteria of value in machine and tractor station activities. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:30-38. Mar. 30, 1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from *Lupta de Clasa* 46(1):37-45. Jan. 1966.
- MANUKOV, N. The best way to organize repair of farm machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:7-9. Apr. 2, 1965. (JPRS 29,393; TT 65-30631) 173 J663Tsi
Translation from *Vystavka Dostizhenii Narodnogo Khozyaistva SSSR* 2:29-30. Feb. 1965.
- MANYAKIN, V. For improving the reliability of combines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 217:12-15. July 26, 1965. (JPRS 31,232; TT 65-31729) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 21:19. May 26, 1965.
- MANYAKIN, V. The lag in the development of agriculture must be overcome. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:1-17. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from *Ekonomika Sel'skogo Khozyaistva* 2:1-12. Feb. 1965.
- MARKETOV, M. Multifuel engine. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 195:1-4. Apr. 29, 1965. (JPRS 29,811; TT 65-30847) 173 J663Tsi
Translation from *Sel'skiy Mekhanizator* 2: 18. Feb. 1965.
- MARKMAN, A. L., and MAKHAMADAMINOV, M. D. New extraction methods of gossypol. 8 p. Transl. 15212
Translation from *Masloboino-Zhirovaya Promyshlennost'* 10:6-8. Oct. 1963.
- MARKMAN, A. L., and ZALESOV, U. P. New methods of quantitative determination of gossypol. 9 p. Transl. 15213
Translation from *Masloboino-Zhirovaya Promyshlennost'* 27(4):19-21. 1961.
- MARKOV, G. A regional breakdown of irrigated areas on the basis of indices of aridity and natural water supply. 14 p. (JPRS 24,994; OTS 64-31439) Transl. 14204
Translation from *Rastenievudni Nauki* 1(3): 159-166. 1964.
- MARTINI, Z. Investigation of soil displacement caused by plowing on slopes. 20 p. (OTS 61-11341) Transl. 14991
Translation from *Roczniki Nauk Rolniczych* 66(2):97-123. 1953.
- MARTINOV, A. Concerning honey bees' water requirement and nectar flow. 2 p. Transl. 15056
Translation from *Nordisk Bitidskrift* 15/16: 38-40. 1963/64.

- MASAULOV, I. Shortage of machines and spare parts at Belorussian farms. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 178:16-19. Mar. 19, 1965. (JPRS 29,194; TT 65-30545; CSO 1830-S/PE) 173 J663Tsi
Translation from Sel'skaya Zhizn', Jan. 20, 1965:2.
- *MASLOV, V. P., and RENGARTEN, N. V. Fossil calcareous algae found in loess. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 159(1/6):175-177. Nov./Dec. 1964. 511 P444Aee
- MATCHANOV, N. Measures to improve agriculture in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:3-7. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', April 14, 1965:2.
- MATEEV, A. Reducing the period of construction is the most important problem of the national economy. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:138-141. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 6: 30-31. Feb. 10, 1965.
- MATEEV, V. I. A new location for Nymphaea tetragona Georgi in the European part of the USSR. 2 p. Transl. 15233
Translation from Botanicheskii Zhurnal 47(7): 1046-1047. 1962.
- MATSKEVICH, V. Economic problems of the further development of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 94:3-14. Sept. 9, 1965. (JPRS 31,921; TT 65-32415; CSO-1840-S) 173 J663Tso
Translation from Voprosy Ekonomiki 6:3-13. June 1965.
- MATSKEVICH, V. V. Changes in Soviet agricultural administration. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 72:34-37. May 28, 1965. (JPRS 30,307) 173 J663Tso
Translation from Sovetskaya Latvija, Apr. 4, 1965:1.
- *MAZAYEVA, M. M. Distribution of magnesium deficiency in coarse-textured soils of the sod podzolic zone. Soviet Soil Sci. 7:809-815. July 1965. 57.8 P34Ae
- MAZEL, L. Trade discounts and profitability. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93:34-41. Sept. 7, 1965. (JPRS 31,883; TT 65-32377; CSO 1840-S) 173 J663Tro
Translation from Sovetskaya Torgovlya 7:6-10. June 1965.
- MEDVEDEV, G. S. Types of oral apparatuses of Tenebrionidae of Turkmenia. 12 p. (TT 62-15642) Transl. 15377
Translation from Zoologicheskii Zhurnal 38 (8):1214-1339. Aug. 1959.
- *MEDVEDEV, S. I. Two new species of the genus Lethrus (Coleoptera, Scarabaeidae) from Central Asia. Entomol. Rev. 44(1):94-96. Jan./Mar. 1965. 421 R322Ae
- MEL', M. I. Investigations of the connection between crop yield of spring wheat and climatic conditions of the region of cultivation. 20 p., map. Ref. Transl. 15234
Translation from Leningrad. Nauchno-Issledovatel'skii Institut Aeroklimatologii. Trudy 6:52-63. 1958.
- MENASCE, I. The phenomenon of the double potentiation of a vaccine by adsorption on aluminum hydroxide followed by emulsion with mineral oil. I. Erysipelothrix rhusiopathiae. 4 p. Transl. 14585
Translation from Societa Italiana delle Scienze Veterinarie. Atti 16(2):619-622. 1962.
- MENG LI-MIN, and CHIA EN-MING. The experience of Liaoning in cultivating rice seedling with the help of plastic film. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:21-28. Aug. 16, 1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'uo Hsueh 2:46-49. Feb. 15, 1965.
- MERKULOV, A. M. Mechanization and automation—road to a high production. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 204:1-7. June 3, 1965. (JPRS 30,408; TT 65-31162) 173 J663Tsi
Translation from Mashinostroitel' 2:1-4. Feb. 1965.
- MIHAILOVIC, S. Amortization and capital maintenance in the economy. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 558:150-167. Ref. Mar. 28, 1966. (JPRS 34,763; TT 66-31202) 173 J663Tre
Translation from Jugoslovenski Pregled 10: 373-378. Oct. 1965.
- MIKHAILOV, V. V. Production of phosphate fertilizers outside the USSR. 10 p. Ref. (TT 63-18140) Transl. 15047
Translation from Khimicheskaya Promyshlennost' 18:28-31. 1941.
- *MIKHAYLOV, B. M. Part played by vegetation in the lateritization of mountainous areas of the Liberian shield. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 157(1/6):23-24. July/Aug. 1964. 511 P444Aee
- *MIKHNOVSKIY, V. K., YARTSEVA, A. K., and BOBRITSKAYA, M. A. Nitrogen balance in sod-podzolic soils. Soviet Soil Sci. 7:802-803. Ref. July 1965. 57.8 P34Ae
- MILESCU, I. Two decades of uninterrupted progress in the regulation [of] forests and the management of forest resources. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:7-14, map. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:409-414. Aug. 1964.
- MITIC, N. Tendencies in procurement of land by the socialized sector. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:37-48. Mar. 22, 1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from Produktivnost' 1:12-16. Jan. 1966.
- MIYAKE, T., and FUJIWARA, A. Studies on the diapause and host plant preference in the white back planthopper, Sogata furcifera Horvath. 9 p. Transl. 15851
Translation from Japanese Journal of Applied Entomology and Zoology 5(3):174-179. 1961.
- MOD, MRS. A. Timely questions on the standard of living [in] Hungary. U. S. Joint. Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 559:23-41. Apr. 6, 1966. (JPRS 34,901; TT 66-31339) 173 J663Tre
Translation from Tarsadalmi Szemle 3:13-27. Mar. 1966.
- MOKEYEV, P. Proper use of authority in administration of industrial enterprises. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 188:6-11. Apr. 15, 1965. (JPRS 29,613; TT 65-30748) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 2:10. Jan. 13, 1965.
- MOLEND, T. Forestry in the postwar twenty years of the national economy—Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:11-25. Dec. 17, 1964. (JPRS: 27,897) 173 J663Ste
Translation from Sylwan 5:1-12. Sept./Oct. 1964.
- *MONAKHOVA, M. A., and GETSOVA, V. A. Electron microscope investigation of the transfer of nuclear products into the cytoplasm in spermatocytes of the grain mite. Acad. Sci. USSR. Dokl. Biol. Sci. 161(1/6):153-156. Ref. Mar./Apr. 1965. 511 P444Aeb
- MORGUN, F. Anti-wind erosion campaign in Kazakhstan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 99:19-24. Oct. 22, 1965. (JPRS 32,509; TT 65-32988; CSO 1840-S) 173 J663Tso
Translation from Kazakhstanskaya Pravda Aug. 27, 1965:2

- *MOROZOV, V. Development of commodity-money relations in the countryside. *Probl. Econ.* [N.Y.] 8(7):32-44. Nov.1965. 280.8 V89Ae
- MOSKVIN, B. Production in the Chelyabinsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 216:38-41. July 19,1965. (JPRS 31,135; TT 65-31633; CSO 1830-N) 173 J663Tsi
Translation from *Ekonomicheskaya Gazeta* 18:29. May 5,1965.
- MOTOMURA, S., AKIYAMA, Y., and YAMANA-KA, K. Effect of organic matter application on the soil metabolism under water-logged condition. 16 p. Ref. Transl. 14584
Translation from *Journal of the Science of Soil and Manure* 32:605-612. 1961.
- MUKHITDINOV, N. The noble duty of rural trade workers. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93: 58-61. Sept. 7, 1965. (JPRS 31,833; TT 65-32377; CSO 1840-S) 173 J663Tro
Translation from *Sovetskaya Torgovlya* July 3,1965:2.
- *MURADOV, SH. M. The biting midges (Diptera, Heleidae) of Turkmenia-fauna and ecology. *Entomol. Rev.* 44(1):70-74. Jan./Mar.1965. 421 R322Ae
- MURAUSKAS, G. Land improvement work in Lithuanian SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:8-9. May 20,1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from *Sovetskaya Litva*, April 3, 1965:3.
- MURESAN, T. Create new agricultural varieties and hybrids and improve existing ones. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:43-46. Apr.12,1966. (JPRS 34,999; 66-31437) 173 J663Ste
Translation from *Viata Economica* 9:10-11. Mar.1966.
- MYRBACK, K. Concerning limit dextrans and starch. V. The fermentability of starch decomposition products. 10 p. Ref. Transl. 15853
Translation from *Biochemische Zeitschrift* 304:147. 1940.
- *NARCHUK, E. P. Grass flies (Diptera, Chloropidae) of Siberia and the Soviet Far East. I. A new genus and species, *Gallomyia miscanthi*, gen. et sp. n. *Entomol. Rev.* 44(1): 110-111. Jan./Mar.1965. 421 R322Ae
- *NARZIKULOV, M. N. Honeysuckle aphids (Homoptera, Aphidinea), their biology and distribution in Soviet Central Asia. *Entomol. Rev.* 44(1):13-21. Ref. Jan./Mar.1965. 421 R322Ae
- NAUMENKO, P. Improvements in the food industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Good Dom. Trade 94:40-48. Sept.20,1965. (JPRS 32,076; TT 65-32569; CSO 1840-D) 173 J663Tro
Translation from *Ekonomicheskaya Gazeta* 30:29-30. July 28,1965.
- NAZAREVSKIY, L. I. Bonuses to agricultural workers for plan fulfillment and over-fulfillment. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 61:7-12. Jan.19,1965. (JPRS 28,354) 173 J663Tso
Translation from *Uchet i Finansy v Kokhoshakh i Sovkhozakh* 10:56-58. Oct.1964.
- NECHIPORENKO, G. Shortcomings in the development of horse breeding. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 100:1-4. Oct.26, 1965. (JPRS 32,541; TT 65-33020; CSO 1840-N) 173 J663Tso
Translation from *Sel'skaya Zhizn*, Aug.20, 1965:3.
- NECULA, G. Efficient exploitation of agricultural reserves in Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 429:19-29. Mar.30,1966. (JPRS 34,806; TT 66-31245) 173 J663Ste
Translation from *Lupta de Clasa* 46(1):28-36. Jan.1966.
- *NEPESOVA, M. G. A description of the larva of *Earophanta planidorsis* Rtt. (Coleoptera, Tenebrionidae). *Entomol. Rev.* 44(1):97-98. Jan./Mar.1965. 421 R322Ae
- NEVZOROV, V., and KREIDIK, B. Reserves for increasing grain production in Tadzhikistan. 6 p. (JPRS 24,262; OTS 64-31106; CSO 9121-N) Transl. 14211
Translation from *Kolkhozno-Sovkhoznoe Proizvodstvo Tadzhikistana* 10:14-17. Oct. 1963.
- NEYPERT, YU. Development of new plant and soil treatment sprayers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:14-16. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from *Sel'skiy Mekhanizator* 3:7. Mar.1965.
- NGO, D. D. Thai Binh strives to have five tons of rice per hectare. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 220: 1-7. Jan.5,1966. (JPRS 33,598; TT 66-30042)
Translation from *Nhan Dan*, Nov.28,1965:2.
- NGO DUY DONG. Thai Binh scored new success with intensive cultivation. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 10:84-92. Nov.9,1965. (JPRS: 32,783; TT: 65-33361) 173 J663Th
Translation from *Hoc Tap* 10:48-53. Oct. 1965.
- NGO VAN TINH. Consolidation of land reclamation bases in the mountain and middle regions. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:17-28. Mar.3,1966. (JPRS 34,389; TT 66-30829) 173 J663Trn
Translation from *Nghien Cuu Kinh Te* 30:33-38. Dec.1965.
- NGUYEN. Report of North Vietnam Council of Ministers on 1964 state plan. 38 p. (JPRS 24,396) Transl. 14214
Translation from *Nhan Dan* Apr.1964:1-3.
- NGUYEN CHI THANH. Some experiences in agricultural cooperativization in North Vietnam. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 11:1-42. Jan.7,1965. (JPRS: 28,194) 173 J663Th
Translation from *Hoc Tap* 11:1-20. Nov.1964.
- NGUYEN CHUONG. Bolstering up a deficient cooperative. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 1:118-129. Feb.25,1965. (JPRS: 28,893) 173 J663Th
Translation from *Hoc Tap* 1:66-71. Jan.1965.
- NGUYEN, D. Agricultural development in the mountain region. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 216:9-15. Dec.21, 1965. (JPRS 33,415; TT 65-33989) 173 J663Trn
Translation from *Thoi Su Pho Thong* 20:18-25. Oct.1965.
- NGUYEN THIEN VY. Initial results of movement to mobilize lowland compatriots to participate in economic and cultural development of mountain areas. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:59-79. July 2,1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from *Nghien-cuu Kinh-te* 25:27-34,38. Feb.1965.
- NGUYEN THANH LUONG. Experience in leadership for agricultural cooperatives in Viet Hung. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12:68-73. Mar.12, 1965. (JPRS: 29,098) 173 J663Th
Translation from *Hoc Tap* 12:66-69. Dec. 1964.
- NGUYEN TAM. Export in the current situation. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 224:7-14. Feb.8,1966. (JPRS 34,048; TT 66-30490) 173 J663Trn
Translation from *Thoi Su Pho Thong* 24:17-24. Dec.1965.

- NGUHEN TAO. Let us develop forestry and lumber industry. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 8:34-42. Sept. 17, 1965. (JPRS 32,060; TT: 65-32553) 173 J663Th
Translation from Hoc Tap 8:39-44. Aug. 1965.
- NIKOLAEV, B. A., and SHKADINA, S. S. The influence of the gamma-irradiation of wheat flour on its quality on the elastic-flexible-sticky properties of gluten proteins, on doughs, and also on the quality of the bread. 6 p. (TT 63-23402) Transl. 15375
Translation from Khlebopekarnaya i Konditerskaya Promyshlennost' 4(5):8-10. 1960.
- *NIKONOV, A. A., and VOSTRUKHINA, T. M. Anthropogene stratigraphy of the northeastern Kola Peninsula. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158(1/6):18-21. Sept./Oct. 1964. 511 P444Aee
- *NUZHDIN, N. I., and FILEV, K. A. Yield of chromosome aberrations in relation to radiation dose rate and moisture content of seeds. Acad. Sci. USSR. Dokl. Biophys. 160/162:1-3. Jan./June 1965. 511 P444Aebp
- OLOVYAGIN, R. Construction of new enterprises of the light and food industry. I. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:53-55. Oct. 5, 1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 34:19. Aug. 25, 1965.
- OTUZOV, O. The Kizul'-Ayakskiy hydrounit. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:15-16. Apr. 19, 1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Translation from Turkmenskaya Iskra, Mar. 13, 1966:2.
- PACHLEWSKI, R., and GAGALSKA, J. Investigations on the mycotrophy of oaks in Poland, bioecological conditions being considered. 13 p., map. Ref. (OTS 61-11333) Transl. 14997
Translation from Acta Societatis Botanicorum Poloniae 22(3):561-576. 1953.
- PAIN, J., and RUTTNER, F. The extracts of the mandibular glands of queen bees attract drones during the mating flight. 3 p. Ref. Transl. 14436
Translation from Academie des Sciences. Comptes Rendus 256(2):512-515. Jan. 7, 1963.
- *PAKHOMOV, M. M. Pliocene to early quaternary flora of the southwestern Pamirs. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 156(1/6):30-32. May/June 1964. 511 P444Aee
- PALLADIN, E. The improvement of meadows and pastures is of great importance. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:79-81. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Sovetskaya Rossiya, Jan. 27, 1965:1.
- PAL'MIN, V. V. Biochemical changes in meat resulting from ionizing radiation. 5 p. Transl. 15258
Translation from Pishchevaya Tekhnologiya 2:76-81. 1962.
- PANKOV, A. Construction of new enterprises of the light and food industry. II. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:56-58. Oct. 5, 1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 34:19. Aug. 25, 1965.
- *PANOV, D. G., VRONSKIY, V. A., and ALEKSANDROV, A. N. Distribution and composition of pollen and spores in surface sediments of the Sea of Azov. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):81-83. Mar./Apr. 1964. 511 P444Aee
- PANOV, P. TS., and BOYANOV, B. I. Use of infrared rays in tobacco curing. 10 p. Transl. 15380
Translation from Tabak [Moscow] 20(4):50-52. 1959.
- PARKHIMCHIK, N. Agricultural machinery fairs organized by Belsel'khoztekhnika in Minskaya oblast. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 168:12-13. Feb. 18, 1965. (JPRS 28,808; TT 65-30352) 173 J663Tsi
Translation from Sel'skaya Gazeta, Nov. 4, 1964:4.
- PAVLOV, L. Proper distribution of crops in irrigated areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 433:1-9. Apr. 19, 1966. (JPRS 35,098; TT 66-31535) 173 J663Ste
Translation from Kooperativno Zemedelie 2:6-8. Feb. 1966.
- PAVLOVSKIY, P. Autolytic changes in ground muscle tissue. 3 p. (TT 63-11048) Transl. 15209
Translation from Myasnaya Industriya SSSR 28(2):42-44. 1957.
- PAWLAK, R. The tasks of the State forest enterprises during the fiscal year 1964/1965 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 328:1-6. Jan. 4, 1965. (JPRS 28,093) 173 J663Ste
Translation from Las Polski 23:1-4. Dec. 1-15, 1964.
- PECHKOVSKIY, V. Belorussian agriculture in need of specific fertilizers due to local soil requirements. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:5-7. Mar. 23, 1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Sovetskaya Belorussiya, Jan. 21, 1966:2.
- PECINA, H. Demonstration and action of the paraffin glue for water-repellent processing of chipboard. 6 p. Transl. 15858
Translation from Holztechnologie 6(2):127-129. 1965.
- *PEKATOROS, L. G. Soil formation in the river floodplains of the western Black Sea lowland. Soviet Soil Sci. 7:767-774. Ref. July 1965. 57,8 P34Ae
- PERESVETOV, A. S. The discovery of Psilophytes in the U.S.S.R. 16 p. Transl. 14430
Translation from Botanicheskii Zhurnal 35(6):647-655. 1950.
- PESHKOV, V. Data concerning the production, variety and quality of dairy products in 1964. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 94:15-23. Sept. 20, 1965. (JPRS 32,076; TT 65-32569; CSO 1840-D) 173 J663Tro
Translation from Molochnaya Promyshlennost' 7:40-42. July 1965.
- PETRENKO, A. G., and BELYAKOVA, Z. P. Changes in chlorophyll and nitrogenous substances of different colour tobacco leaves in the periods of ripening and curing. 15 p. Ref. (TT 64-10490) Transl. 15374
Translation from Krasnodar Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki. Sbornik Nauchno-Issledovatel'skikh Rabot 152:131-140. 1961.
- PETROVA, V. Sergey Rufovich Mardashev. U. S. Joint Publ. Res. Serv. [Transl.] Bibliogr. Soviet Sci., Oct. 8, 1964:1-3. (JPRS 26,788; TT 64-51045) 173 J663Bio
Translation from Meditsinskaya Gazeta, p. 1, June 1964.
- PEZATSKII, V., and KUCHANSKII, YU. The use of an electric current for accelerating the salting of meat. 4 p. (TT 63-11049) Transl. 15208
Translation from Myasnaya Industriya SSSR 29(3):52-53. 1958.
- PILIPENKO, G. Defective products of "Uzbek-khlopomash" agricultural machinery plant, U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:1-4. July 19, 1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Pravda Vostoka, June 10, 1965:2.

- PINCHUK, B. A far-reaching bottleneck in modern harvester operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 186:7-8. Apr. 12, 1965. (JPRS 29,533; TT 65-30706) 173 J663Tsi
Translation from Sel'skiy Mekhanizator 10: 12-13. Oct. 1964.
- PISARSKI, G. The principles for fodder sales require verification, Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:1-6. Dec. 17, 1964. (JPRS: 27,897) 173 J663Ste
Translation from Zycie Gospodarcze 45:3. Nov. 1964.
- PIVOVAROV, V. The Irtysh-Karaganda Canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 95:1-2. Sept. 14, 1965. (JPRS 31,985; TT 65-32479; CSO 1840-N) 173 J663Tso
Translation from Kazakhstanskaya Pravda, Aug. 8, 1965:1.
- PIZETA, T., and PAVLOVIC, M. Crop and livestock insurance in Croatia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:15-20. Feb. 26, 1965. (JPRS 28,905) 173 J663Ste
Translation from Agronomski Glasnik 8/9: 671-673. Aug./Sept. 1964.
- PLOTNIKOV, N. Poor quality of farm equipment and inefficient mechanization criticized. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 158:3-8. Dec. 14, 1964. (JPRS 27,823; TT 64-51932; CSO 1830-S/PE) 173 J663Tsi
Translation from Sel'skaya Zhizh', Oct. 16, 1964:2.
- *POLIVANOVA, E. N. The functional significance of the embryonic membranes on insects. Acad. Sci. USSR. Dokl. Biol. Sci. 160(1/6):23-26. Ref. Jan./Feb. 1965. 511 P444Aeb
- POLOVENKO, I. Meadows and pastures as the cheapest sources of fodder. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:82-91. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaystva 2:12-18. Feb. 1965.
- *PONOMARENKO, Z. K. Spore-pollen complexes of marine lower paleocene deposits in the north Aral region and in the center of the Turgay downwarp. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 154(1/6):51-53. Jan./Feb. 1964. 511 P444Aee
- POPESCU, M., and BALAURE, F. Intensive and comprehensive development of socialist agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 409:27-43. Jan. 7, 1966. (JPRS: 33,647; TT: 66-30091) 173 J663Ste
Translation from Probleme Economice 11: 122-135. Nov. 1965.
- POPOV, N. Improvement of agriculture through mechanization, standardization and unification. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 246:1-7. Dec. 9, 1965. (JPRS 33,260; TT. 65-33835) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 45:16-17. 1965.
- POPOV, V. A. Anticipated performance of the forest industry in 1965. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:181-188. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Leshaya Promyshlennost' 1:1-3. Jan. 1965.
- *PORTNYAGINA, L. A. Possibility of distinguishing the Upper Cretaceous and Paleogene flysch of the Soviet Carpathians by means of data from spore-pollen analysis. Acad. Sci. USSR Dokl. Earth Sci. Sect. 159(1/6):59-61. Nov./Dec. 1964. 511 P444Aee
- POSKONOV, A. Gosbank leader discusses experiment in direct kolkhoz crediting. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117: 13-18. Mar. 23, 1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 2: 38. Jan. 1966.
- POSKONOV, A. Transition to direct system of kolkhoz crediting. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:8-12. Mar. 23, 1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Sek'skaya Zhizn', Jan. 6, 1966:2.
- *POTAPOV, B. I. Influence of the relative rate of soil displacement on the amount of ultimate shear strength. Soviet Soil Sci. 7:831-833. July 1965. 57.8 P34Ae
- *POTASKAEV, A. M. Cyclic changes in the thyroid gland of the mink (*Mustela vison* Briss). Acad. Sci. USSR. Dokl. Biol. Sci. 162 (1/6):327-330. Ref. May/June 1965. 511 P444Aeb
- POUVREAU, A. A method of rearing bumblebees from queens caught in the field. 17 p. Ref. Transl. 15856
Translation from Annales de l'Abeille 8(2): 147-159. 1965.
- PRIEZZHEVA, L. S. On the immunological possibilities in larvae of *Apis mellifera* L. with respect to the agent of European foulbrood. 8 p. Transl. 15857
Translation from Leningrad. Universitet. Vestnik. Seriya Biologicheskaya 12(3):62-72. 1957.
- PUSHKAREV, V. Problems in producing self-propelled chassis. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 182:1-4. Apr. 2, 1965. (JPRS 29,393; TT 65-30631) 173 J663Tsi
Translation from Sovetskaya Rossiya, Mar. 2, 1965:2.
- RACHINSKIY, A. Proceeding scientifically in developing water resources. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:1-9. Mar. 30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Translation from Kommunist Uzbekistana 11: 76-82. Nov. 1965.
- RADUTU, A. Technical progress in silviculture in 1944-1964, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:15-23. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:414-420. Aug. 1964.
- RAVICH-SHCHERBO, YU. A. Sanitation and bacteriological control analyses in the fish preserving industry. 4 p. (OTS 63-11119) Transl. 14335
Translation from Voprosy Pitaniya 19(5):79-82. 1960.
- RAZIKOV, K. KH., AZIZOV, U., and USMANOV, KH. U. Electron microscopy of cotton cellulose and its copolymer. 9 p. Transl. 15048
Translation from Uzbekskii Khimicheskii Zhurnal 8(2):66-72. 1964.
- REMESLO, V. Improving the winter wheat situation in the Ukraine. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:12-14. Mar. 30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Translation from Pravda, Mar. 11, 1966:3.
- *REMM, KH. YA. New species of biting midges (Diptera, Heleidae) from European areas of the USSR. Entomol. Rev. 44(1):101-103. Jan./Mar. 1965. 421 R322Ae
- RENNER, M. The honey bee's time sense. 11 p. Ref. Transl. 15859
Translation from Natur und Volk 86(6):185-196. 1956.

- RIDIN, O. Wholesale trade in sugar. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 98:1-5. Dec.7,1965. (JPRS 33,188; TT 65-33764; CSO 1840-D/PE) 173 J663Tro
Translation from Sovetskaya Torgovlya 10: 19-21, Oct.1965.
- *RIKHTER, V. A. A review of the fruit flies (Diptera, Trypetidae) of Kazakhstan. Entomol. Rev. 44(1):79-84. Jan./Mar.1965. 421 R322Ae
- ROSCA, L. Raising the zootechnical share of output and income in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:4-10. Mar.22,1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from Agricultura Socialista 7:7. Feb.1966.
- RUBIN, B. A. The problem of energy metabolism in a green plant. 24 p. (JPRS 25,079; OTS 64-31479; CSO 9205-N) Transl. 14240
Translation from Agrobiologiya 6(144):903-919. Dec.1963.
- RUBIN, B. L., and SHIPILOV, V. G. Resting current of plant cells and its changes upon infection. 3 p. (TT 63-24535) Transl. 15372
Translation from Nauchnye Doklady Vysshei Shkoly. Biologicheskii Nauki 1:125-127. 1963.
- RUDAKOV, K. I. Root nodule bacteria. 13 p. (TT 64-10039) Transl. 15371
Translation from Mikrobiologiya 19(1):449-456. 1950.
- RUSINOV, I. Intensification and deepening of agricultural specialization. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 67,12 p. May 4,1965. (JPRS 29,894) 173 J663Tso
Translation from Voprosy Ekonomiki 1:63-72. Jan.1965.
- RYABUSHKIN, M. Stepup in production of machinery for kolkhozes. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:4-7. May 27, 1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from Vyshka, Apr.8,1965:2.
- RYBAKOVA, N. S. Microscopic investigation of the effect of roasting on the cell structure of nuts. 1 p. (TT 63-18052) Transl. 15386
Translation from Khlebopekarskaya i Konditerskaya Promyshlennost' 2(6):12-14. 1958.
- *RYZHKOV, V. L. Plastids as mutating units. Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6): 356-358. May/June 1965. 511 P444Aeb
- SACHSSE, H. The submicroscopic structure of the fibre cell wall in poplar [*Populus euro-americana*] tension wood. 9 p. Transl. 15862
Translation from Holz als Roh- und Werkstoff 22(5):169-174. 1964.
- SAKO, M. Magnesium deficiency of paddy rice with reference to its prevention. 14 p. Transl. 14734
Translation from Agriculture and Horticulture 31(1):148-150. 1956.
- SALAGEANU, N. Studies with C¹⁴ on the mechanism of photosynthesis. 16 p. (JPRS 18,638; OTS 63-21555) Transl. 15327
Translation from Natura. Seria Biologie 14 (4):3-13. July/Aug.1962.
- *SAMSONOV, S. K. New information on the age of the Upper Cretaceous deposits of Kara-Tau. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 154 (1/6):62-63. Jan./Feb.1964. 511 P444Aee
- SAVINOV, B. G., and PROTSENKO, L. D. Chromatographic investigation of carotin pigments of squash, mountainash, and sea buckthorn [*Hippophae rhamnoides*]. 18 p. Ref. Transl. 15389
Translation from Ukrainskii Khimicheskii Zhurnal 20(4):399-407. 1954.
- SCHULZ, M. Status and improvement of cooperation relationships in amelioration. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 409:6-10. Jan.7, 1966. (JPRS 33,647; TT 66-30091) 173 J663Ste
Translation from WTF Feldwirtschaft 6(12): 551-552. Dec.1965.
- SCHWINN, K. Beekeeping with sunlit hives. 4 p. Transl. 15863
Translation from Archiv fur Bienenkunde 21 (4/6):49-52. 1940.
- SELIMKHANOV, G., ASLANOV, T., and MANAFOV, S. Gypsum and leaching problems in Azerbaydzhan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:3-4. Mar.23,1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Bakinskiy Rabochiy, Dec.30, 1965:1.
- SELKE, W. Status and outlook for soil fertilization in the GDR. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 327:1-9. Dec.24,1964. (JPRS 27,987; CSO 2900-D) 173 J663Ste
Translation from Wissenschaftlich-Technischer Fortschritt fur die Landwirtschaft 10: 437-441. Oct.1964.
- SEMONOV, V. A problem of a full self-supporting base for sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:1-4. Apr.19,1966. (JPRS 35,108) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 11: 38. Mar.1966.
- SENGED, T. Questions of internal business accounting at agricultural artels. U. S. Joint Publ. Res. Serv. Transl. Mongolia 99:25-31. Feb.18,1966. (JPRS 34,203; TT 66-30644) 173 J663Tmo
Translation from Namyn Am'dral 10:55-60. Oct.1965.
- SEREDENKO, B. Methods of reducing expenditures of labor and capital. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 159,10 p. Dec.17, 1964. (JPRS 27,887; TT 64-51959) 173 J663Tsi
Translation from Zernobobovyye Kul'tury 9: 1-3. Sept.1964.
- SERYAKOV, I. The prices of repairs to agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 177:7-11. Mar.18,1965. (JPRS 29,173; TT 65-30534; CSO 1830-D/PE) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 4:31-32. Jan.1965.
- SHAPIRO, V. A., and KAMENKOVA, K. V. Possibility of combining chemical treatments by DDT with action of parasites to control the spring complex of injurious moths and butterflies in forest plantations. 13 p. Ref. Transl. 14476
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii. Trudy. 8:99-113. 1957.
- *SHAPOSHNIKOV, G. K. Morphological divergence and convergence in an experiment with aphids (Homoptera, Aphidinea). Entomol. Rev. 44(1):1-2. Ref. Jan./Mar.1965. 421 R322Ae
- SHARDAKOV, V. Determination of the absorptive power of leaves by the liquid float method. 4 p. Transl. 14473
Translation from Akademiya Nauk Uzbekskoi SSR. Doklady 5:32-34. 1951.
- *SHATILOVA, I. I. Late Pliocene floral changes in the flora of western Georgia as shown by spore-pollen analysis. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 156(1/6):33-36. May/June 1964. 511 P444Aee
- SHCHEGLOV, YU., and YAMBAYEV, V. Trends in tractor machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 238:10-12. Nov.8, 1965. (JPRS 32,753; TT 65-33331; CSO 1830-D) 173 J663Tsi
Translation from Sel'skaya Zhizn', Oct.2, 1965:2.

- SHELAMOVA, A. S., and others. Freezing of fruits and vegetables with limited preliminary drying. 5 p. Transl. 15246
N. A. Naumova, V. I. Shelaputin, and Z. A. Derbedeneva, joint authors.
Translation from Konservnaya i Ovoshchesushil'naya Promyshlennost' 8:15-18. 1963.
- SHEHSI PROVINCE, DEPT. OF WATER CONSERVANCY. Irrigation administration in Shensi Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 30:7-20. Feb. 18, 1965. (JPRS: 28,823) 173 J663Tcf
Translation from Nung T'ien Shui Li Yu Shui T'u Pao Ch'ih 5:1-6. Nov. 9, 1964.
- SHESTOPALOV, A. Activities in the export of Soviet tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 222:9-11. Aug. 10, 1965. (JPRS 31, 487; TT 65-31983) 173 J663Tsi
Translation from Vneshnyaya Torgovlya 6:36-37, June 1965.
- SHEYNIS, M. For improving the work of Sel'-khoztekhnika. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 201:12-14. May 27, 1965. (JPRS 30,285; TT 65-31098) 173 J663Tsi
Translation from Sel'skokhozyaystvennoye Proizvodstvo Nechernozemnoy Zony 3:9. 1965.
- SHIFMAN, M. Giants of sugar refineries, speed up work. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 93: 62-65. Sept. 7, 1965. (JPRS 31,833; TT 65-323-77; CSO 1840-S) 173 J663Tro
Translation from Stroitel'naya Gazeta July 11, 1965:2.
- SHIH, C. J. Tractor assembly and dismantling tools using different types of power. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 100:9-11. Dec. 22, 1965. (JPRS. 33,457; TT 65-34031) 173 J663Tco
Translation from Nung Yeh Chi Hsieh Chi Shu 7:4. July 13, 1965.
- SHISHKIN, B. Long range plans for tractor production 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 242:1-7. Nov. 22, 1965. (JPRS 32,965; TT 65-33542; CSO 1830-S) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 10:33-37. Oct. 1965.
- SHMELEV, G. The economic role of individual auxiliary farms. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 78, 14 p. June 23, 1965. (JPRS 30,746) 173 J663Tso
Translation from Voprosy Ekonomiki 4:27-37. Apr. 1965.
- *SHMIDT, G. A., and BAPTIDANOVA, YU. P. Peculiarities in growth and development of the blastocyst and trophoblastic vesicles in cows and sheep. Acad. Sci. USSR. Dokl. Biol. Sci. 160(1/6):27-29. Jan./Feb. 1965. 511 P444Aeb
- SIMONET, M., and GUINCHET, M. Morphological and karyological anomalies in young plantlets caused by halogen derivatives of cyclic carbides. 5 p. Transl. 14467
Translation from Societe de Biologie. Comptes Rendus 131:222-224. 1939.
- SINYAVSKIY, I. Storage of agricultural machines. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 180:13-17. Mar. 29, 1965. (JPRS 29,311; TT 65-30598) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 11:44-47. 1964.
- SIUTA, J. Preliminary investigations on the participation of soil organic matter in the sorption of exchange cations. 10 p. (OTS 61-11348) Transl. 14993
Translation from Roczniki Gleboznawcze 9(2): 57-66. 1960.
- SIVAK, B., and TOMASHCHUK, V. Tractor production problems at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 219:1-6. Aug. 2, 1965. (JPRS 31,354; TT 65-31851; CSO 1830-D) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 26:17. June 1965.
- SIVAK, B. G. Centralization and coordination of planning helps to increase production of Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 241:6-8. Nov. 19, 1965. (JPRS 32,933; TT 65-33510) 173 J663Tsi
Translation from Sel'skaya Zhizn', Oct. 6, 1965:2.
- *SKALINSKII, E. I. Functional morphology of the intercalated cells of chick embryo chorionallantois. Acad. Sci. USSR. Dokl. Biol. Sci. 161(1/6):178-181. Ref. Mar./Apr. 1965. 511 P444Aeb
- SMELYANSKIY, I. Wholesale trading in food-stuffs. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:35-37. Oct. 5, 1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 44:31. Aug. 18, 1965.
- SOEBARNA. Population increase and rice production. 11 p. (JPRS 4118) Transl. 14822
Translation from Dian 8(2):2-5; (4):2-6. Mar.-Apr. 1960.
- SOKOLOV, F., BEREZOVSKIY, V., and KU-ROCHKIN, K. Cotton-lucerne crop rotation may result in substantial increases of cotton yield in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:175-180. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Sel'skaya Zhizn' 61:2. Mar. 1965.
- SOLOV'EV, A. Kinematics of vibratory cutting. 10 p. Transl. 15860
Translation from Lesnoi Zhurnal 6:114-124. 1962.
- SOLOV'EV, B. Full mechanization is the most important reserve for increase of economic effectiveness of corn growing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 194:17-24. Apr. 28, 1965. (JPRS 29,790; TT 65-30835) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve, Jan. 1, 1965:11-15.
- SOPIN, YE. F., and KUCHERENKO, M. Y. Nucleic acid content and metabolism in the brain of X-irradiated guinea pigs. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 25(1,pt.2):T113-T120. Ref. Jan./Feb. 1966. 442.9 F31P
Translation from Ukrayins'kyi Biokhimichnyi Zhurnal 37(2):251. 1965.
- SOROKIN, Y. Organizational structure of contemporary sovkhoses in the virgin lands region. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 60:3-7. Jan. 11, 1965. (JPRS: 28,239) 173 J663Tso
Translation from Sovetskaya Rossiya 239:2. Oct. 1964.
- STANCU, M. Expanding the use of irrigation in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:39-42. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Viata Economica 9:10. Mar. 1966.
- STANIVUKOVIC, S. Some observations on agriculture and cooperatives in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:1-8. Feb. 26, 1965. (JPRS 28,905) 173 J663Ste
Translation from Agronomski Glasnik 8/9: 660-665. Aug./Sept. 1964.

- STOLBUSHKIN, N. New machinery for the village. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 188:3-5. Apr. 15, 1965. (JPRS 29,613; TT 65-30748) 173 J663Tsi
Translation from Sovetskaya Latvija, Feb. 17, 1965:1.
- STRADYMOV, F., TSEYTLIN, B., and KUZNETSOV, B. New standards and norms for expenditure of materials on repair of tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 180:18-27. Mar. 29, 1965. (JPRS 29,311; TT 65-30598) 173 J663Tsi
Translation from Tekhnika v Sel'skom Khozyaistve 11:83-86. 1964.
- STRIZHEV, A. Motor fuels should be consumed in a more thrifty manner in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:160-166. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 2:40-42. Feb. 1965.
- SUDAKOV, V., and SHAROV, V. Difficulties in Uzbek water irrigation systems. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 234:7-10. Oct. 26, 1965. (JPRS 32,549; TT 65-33028) 173 J663Tsi
Translation from Pravda Vostoka, Aug. 27, 1965:2.
- SUDER, M. Rumanian forestry during the Five Year Plan period. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:17-30. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Probleme Economice 19(1): 64-76. Jan. 1966.
- SUDER, M. Special achievements in silviculture and forest exploitation, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:1-6. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:407-409. Aug. 1964.
- SUSLOV, I. Criticism on procedure for determining ratio of crops. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 65:1-5. Apr. 14, 1965. (JPRS 29,596) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 1: 32. Jan. 6, 1965.
- SVAB, J., and TOTTH, J. Crop production and livestock raising on State farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 323:1-8. Dec. 8, 1964. (JPRS 27,734) 173 J663Ste
Translation from Statistikai Szemle 42(10): 990-996. Oct. 1964.
- SYULEMEZOV, S. A factor in the more even increase and distribution of population income. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 567:1-17. May 5, 1966. (JPRS 35,350; TT 66-31786) 173 J663Tre
Translation from Planovo Stopanstvo i Statistika 3:3-17. Mar. 1966.
- SZTYBER, W. B. CEMA—prices in the computing of the effectiveness of foreign trade. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 197:31-49. Dec. 9, 1964. (JPRS 27,755; CSO 2600-N) 173 J663Tree
Translation from Gospodarka Planowa 8-9: 85-89. 1964.
- TADIC, D. Production and consumption of wheat in 1959-1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:27-36. Mar. 22, 1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from Jugoslovenski Pregled 10: 379-382. Oct. 1965.
- TANAKA, T. Studies on the use of power tillers in moist paddies. 2. Soil reactions acting on the wheel tread. 15 p. Transl. 15864
Translation from Society of Agricultural Machinery, Japan. Journal 19(1):13-17. n.d.
- TANAKA, T. Studies on the use of power tillers in moist paddies. 3. Soil deformation caused by sinking wheels. 13 p. Transl. 15865
Translation from Society of Agricultural Machinery, Japan. Journal 19(4):133-137. n.d.
- TANAKA, T. Studies on the use of power tillers in moist paddies. 4. Soil deformation and stress caused by the lug of the wheel. 14 p. Transl. 15868
Translation from Society of Agricultural Machinery, Japan. Journal 20(3):105-108. n.d.
- TANAKA, T. A study on the use of power tillers on moist paddies. 5. Deformation and stress of the soil caused by the action of wheel lugs. 15 p. Transl. 15579
Translation from Society of Agricultural Machinery, Japan. Journal 20(4):142-146. n.d.
- TANAKA, T. Studies on the use of power tillers in moist paddies. 6. Soil deformation and stress caused by the action of the wheel lug. 11 p. Transl. 15867
Translation from Society of Agricultural Machinery, Japan. Journal 20(4):147-151. n.d.
- T'AN MIN-CH'UAN. The selective cultivation of rape crop of different strains in Szechwan. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:1-8. Nov. 24, 1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:9-12. Jan. 10, 1964.
- TAN PHONG. Two overlapping taro crops in one year. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 175:9-10. June 9, 1965. (JPRS 30,516) 173 J663Trn
Translation from Khoa Hoc Ky Thuat Nong Nghiep 49:25. Apr. 15, 1965.
- TARASOV, N. Decisions of the plenum of the central committee of the CPSU [Kommunisticheskaya Partiya Sovetskogo Soyuza. Tsentral'nyi Komitet] in action—problems of the agricultural machinery industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 215:12-16. July 19, 1965. (JPRS 31,132; TT 65-31630) 173 J663Tsi
Translation from Trud, June 13, 1965:2.
- TEODOREANU, N., FURTUNESCU, A., and GRANCIU, I. Current research in animal genetics. 7 p. (JPRS 34,609; TT 66-31048; CSO 2000-D) Transl. 15808
Translation from Agricultura Socialista 8:9. Feb. 24, 1966.
- *TESLENKO, YU. V., and MOGUCHEVA, N. K. Paleobotanic data for the stratigraphy of the Jurassic coal measures of Tuva. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155(1/6):84-86. Mar./Apr. 1964. 511 P444Aee
- TETENYI, P. Subspecific chemical taxonomic units (taxons) in plant classification. 13 p. Ref. Transl. 15203
Translation from Botanicheskii Zhurnal 47 (12):1731-1741. 1962.
- THANH, B. Hai-Phong industries serve agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 219:6-8. Dec. 29, 1965. (JPRS 33,513; TT 65-34087) 173 J663Trn
Translation from Lao-dong 1596:2. Nov. 4, 1965.
- TING YING. Rice paddies in Northwest China: seed improvement and cultivation techniques. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 13:43-66. Nov. 16, 1964. (JPRS 27,386; TT 64-51642) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 1:1-11. Jan. 15, 1964.
- TITLYANOVA, A. A. The effect of cesium concentration on its accumulation in plants. 4 p. (JPRS 22,656; OTS 64-21238; CSO 10148-D) Transl. 14265
Translation from Akademiya Nauk SSSR. Doklady 152(2):441-442. 1963.

- TO CA. Some experiences in organizing live-stock administration in agricultural cooperatives in Thai-Binh Province. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:80-88. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien-cuu Kinh-te 25:35-38. Feb. 1965.
- TO HUU. The primary importance of ideological work in the movement for improvement of cooperative management and techniques. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12:10-29. Jan. 20, 1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from Hoc Tap 12:6-14. Dec. 1965.
- TOKUNAGA, Y., and FURUTA, T. Studies on the blast disease of rice in humus rich paddy field, with special reference to soil conditions. 17 p. Transl. 15866
Translation from Tohoku National Agricultural Experiment Station. Bulletin 13:12-18. 1958.
- TOMIN, M. Agrarian policy and the private farm. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 426:11-26. Mar. 22, 1966. (JPRS 34,640; TT 66-31079) 173 J663Ste
Translation from Socijalizam 12:1563-1579. 1965.
- *TORGUN, P. M. Histo-functional changes in the adrenal cortex of the mink (*Mustela vison* Briss) in the course of the year. Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6):331-335. Ref. 511 P444Aeb
- TRAN DUC. The division of labor in agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 1:93-117. Feb. 25, 1965. (JPRS: 28,893) 173 J663Th
Translation from Hoc Tap 1:57-65. Jan. 1965.
- TRAN HUU DUC. 1965 plans for agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 155:44-50. Mar. 23, 1965. (JPRS: 29,254) 173 J663Trn
Translation from Thoi Su Pho Thong 3:5-12. Feb. 1965.
- TRAN VAN HIEN. Past experiences to benefit present work on food. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12:75-85. Jan. 20, 1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from Hoc Tap 12:40-46. Dec. 1965.
- TRAN XUAN. Intensive cultivation to increase rice output in a few agricultural cooperatives. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:44-58. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien cuu Kinh te 25:21-26, 70. Feb. 1965.
- TRAN XUAN TRUONG. Characteristics of the new division of labor in agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:1-16. Mar. 3, 1966. (JPRS 34,389; TT 66-30829) 173 J663Trn
Translation from Nghien Cuu Kinh Te 30:7-15, 22. Dec. 1965.
- TREPENENKOV, I. I., and TEYTEL'BAUM, Z. I. Tractor output in 1965. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 181:1-20. Mar. 30, 1965. (JPRS 29,341; TT 65-30609) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 1:1-11. Jan. 1965.
- TRUCKENBRODT, G. Studies of the action of copper on *Merulius lacrimans* (Wulff.) Schum ex Fries. 10 p. Ref. Transl. 14341
Translation from Phytopathologische Zeitschrift 44:179-188. 1962.
- TRUONG-NGOC. About agricultural production in the midlands and highlands. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 10:101-109. Nov. 9, 1965. (JPRS: 32,783; TT: 65-33361) 173 J663Th
Translation from Hoc Tap 10:59-64. Oct. 1965.
- TSIMERMAN, M. New universal three share tractor plows. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:22-23. June 30, 1965. (JPRS 30,874; TT 65-31386; CSO 1830-S) 173 J663Tsi
Translation from Sel'skiy Mekhanizator 3:36. Mar. 1965.
- TSINKOV, M. Reserves for the increase in production and income from the dairy. 19 p. (TT 64-10353) Transl. 15395
Translation from Sotsialisticheskoe Sel'skoe Khozyaistvo 11:27-35. 1953.
- TS'UI, C. Ten years' experience in high-yield rice culture and future prospects. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:1-10. Ref. Aug. 16, 1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 5:377-381. May 1965.
- *TURBIN, N. V., and others. Nucleic acid content of pollen of diploid and tetraploid sugar beet. Acad. Sci. USSR. Dokl. Biol. Sci. 161(1/6):209-211. Ref. Mar./Apr. 1965. 511 P444Aeb
V. E. Bormotov, V. K. Savchenko, and I. V. Matoshko, joint authors.
- TYULENEV, P., and SOSNIN, V. Automatic steering of an S-80 tractor. 10 p. Transl. 14511
Translation from Tekhnicheskije Sovety: Kol-khozam, RTS, MTS, Sovkhozam 4:2-6. 1959.
- UEDA, K., and YAMAOKA, M. Studies on aged paddy soils. VII. An examination of analytical method of available silicate in the soil. 12 p. Transl. 15870
Translation from Journal of the Science of Soil and Manure 30:393-396. 1959.
- ULITSKIY, E. YA. Improving working conditions during tractor operation at increased speeds. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 176:24-32. Mar. 15, 1965. (JPRS 29,121; TT 65-30513; CSO 1830-D/PE) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaystva 5:25-27. 1964.
- USMANOV, S. Water to irrigate the steppes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 119:1-2. Apr. 12, 1966. (JPRS 35,002; TT 66-31440) 173 J663Tso
Translation from Pravda, Mar. 9, 1966:3.
- USPENSKAYA, V. E. The porphyrin pigments of the green thiobacteria. Acad. Sci. USSR. Dokl. Biol. Sci. 162(1/6):373-376. Ref. May/June 1965. 511 P444Aeb
U. S. S. R. MINISTERSTVO VNESHNEI TORGOVLI. PLANOVO-EKONOMICHESKOE UPRAVLENIE. USSR foreign trade for 1964; statistical-review. 441 p. (JPRS 32,214; TT 66-30655; CSO 4023-S) 286.8 V84Ae
Translation of Vneshnyaya trgovlya za 1964; statisticheskii obzor.
- VALDIVIESO, A. Reasons why the government should continue purchasing serum against swine fever. 2 p. Transl. 14559
Translation from Revista de Agricultura, Comercio e Industrias 8(106):37-38. 1950.
- VARAKSIN, F. D. Technical progress in the lumber and sawmill-woodworking industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 183, 12 p. Apr. 5, 1965. (JPRS 29,427; TT: 65-30650) 173 J663Tsi
Translation from Mekhanizatsiya i Avtomatizatsiya Proizvodstva 11:14-19. Nov. 1964.
- VAZHENIN, I. G. The organization of agro-chemical service in agriculture. 23 p. Ref. (JPRS 27,950; TT 64-51988) Transl. 14728
Translation from Agrokhimiya 5:3-16. 1964.

- *VITER, A. F., and KOLTAKOVA, P. S. Some results of long-term permanent experiments with fertilizers at the Orel Agricultural Experiment Station. *Soviet Soil Sci.* 7:733-790. Ref. July 1965. 57.8 P34Ae
- VOLCHKOVA, V. V. On the problem of automation of irrigation systems. 13 p. Transl. 14999
Translation from *Akademiya Nauk Kirgizskoi SSR. Izvestiya. Seriya Estestvennykh i Tekhnicheskikh Nauk* 4(8):117-124. 1962.
- *VOLGIN, V. I. Two new species of acaroid mites (Acarina, Acaroidea) in the Soviet fauna. *Entomol. Rev.* 44(1):112-115. Jan./Mar. 1965. 421 R322Ae
- *VOLOGDIN, A. G., and DROZDOVA, N. A. Cyanophycean fossils in Upper Precambrian sediments of the Far East. *Acad. Sci. USSR. Dokl. Earth Sci. Sect.* 156(1/6):172-174. Nov./Dec. 1964. 511 P444Aee
- *VOLOGDIN, A. G., and DROZDOVA, N. A. Several species of algae from the Gonam suite of the proterozoic Uchur series, Ayan-Maya District, Far East. *Acad. Sci. USSR. Dokl. Earth Sci. Sect.* 159(1/6):165-167. Nov./Dec. 1964. 511 P444Aee
- VOLOVCHENKO, I. P. Concerning the intensification of agricultural production. 40 p. (JPRS 23,310; OTS 64-21607) Transl. 14255
Translation from *Pravda* Feb. 11, 1964:1-4.
- VO QUOC TUY. Stepping up the development of small hydroelectric power stations. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 226:41-52. Mar. 3, 1966. (JPRS 34,389; TT 66-30829) 173 J663Trn
Translation from *Nghien Cuu Kinh Te* 30:46-51. Dec. 1965.
- VOSKRESENSKAYA, N. P. The action of shortwave radiation on the absorption of oxygen by the leaves of plants. 12 p. Ref. (TT 63-19454) Transl. 15443
Translation from *Vsesoyuznaya Konferentsiya po Problemam Fotosinteza. Doklady* 2:335-345. 1959.
- VOSKRESENSKII, K. A., and YURINA, E. V. *Asteromonas gracilis* Artari as an object of mass cultivation. 14 p. Ref. (JPRS 30,995; TT 65-31493; CSO 11476-D) Transl. 15399
Translation from Moscow. *Universitet. Vestnik. Seriya VI, Biologiya, Pochvovedenie* 2:29-35. Mar./Apr. 1965.
- VREJBA, S. Economic effectiveness of investments in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:16-27. Dec. 15, 1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Translation from *Probleme Agricole* 8:8-13. Aug. 1965.
- VU HAI. Several problems which need to be resolved to develop swine. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12:95-100. Jan. 20, 1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Translation from *Hoc Tap* 12:53-55. Dec. 1965.
- VUKMANOVIC, S. Production, income distribution and workers' management in farming enterprises—Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:26-40. Dec. 17, 1964. (JPRS 27,897) 173 J6638te
Translation from *Socijalizam* 10:1239-1254. Oct. 1964.
- WAGEMANN, H. The position of the State farms in socialized agriculture in the GDR and their mission. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 322:1-20. Dec. 4, 1964. (JPRS 27,686) 173 J663Ste
Translation from *Einheit* 9/10:141-152. Sept./Oct. 1964
- WANG, C. C. In memoriam: Ping Chih. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:55-58. Aug. 16, 1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from *K'o Hsueh T'ung Pao* 5:468-470. May 1965.
- WANG, H. C. Rural class line during socialist period. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10:56-71. Dec. 20, 1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Translation from *Ching Chi Yen Chiu* 10:24-30. Oct. 20, 1965.
- WANG PAO-HSIANG. Improvement of ramie-polyester yarn. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 52:27-38. May 7, 1965. (JPRS 29,968) 173 J663Tco
Translation from *Fang Chih Chi Shu* 8:47-49, 29. Aug. 27, 1965.
- WANG TIEN-K'UI. How to utilize and improve the grassland in west Heilungkiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:28-37. Nov. 24, 1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from *Chung-kuo Nung Pao* 1:25-30. Jan. 10, 1964.
- WANG TIEN-WEN. Forestry and soil conservation in Heilungchiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:11-16. May 19, 1965. (JPRS: 30,140) 173 J663Tcf
Translation from *Hei-lung-chiang Lin Yeh* 10:18-19. Oct. 5, 1964.
- WARAKOMSKA, Z., and LOUVEAUX, J. Investigations of variations in the pollen-gathering behavior in colonies of different strains. 12 p. Transl. 15869
Translation from *Annales de l'Abeille* 7(3): 217-231. 1964.
- WATANABE, N., OGAWA, M., and SHIBATA, S. Readjustment work of land parcels and its effect on farm management. 71 p. Transl. 15873
Translation from *Tohoku National Agricultural Experiment Station. Bulletin* 29:53-74. 1959.
- WOJCIECHOWSKI, F. Tasks of the State machinery centers in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:7-15. Dec. 15, 1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Translation from *Nowe Rolnictwo* 20:1-3. Oct. 16/31, 1965.
- WOZNIAK, W. The basic directions of agricultural investments during 1966-1970 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 324:1-8. Dec. 14, 1965. (JPRS: 27,836) 173 J663Ste
Translation from *Nowe Rolnictwo* 19:1-3. Oct. 1964.
- *YAKHIMOVICH, L. A., and LYUSTERNAK, I. L. The effects of high temperatures on the character of reproduction in the locust *Locusta migratoria* L. *Acad. Sci. USSR. Dokl. Biol. Sci.* 162(1/6):309-311. Ref. May/June 1965. 511 P444Aeb
- YANG KUANG. Concerning the application of phosphorus fertilizer. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:12-14. Aug. 17, 1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Translation from *Hsueh K'o Hsueh* 1:4-5. Jan. 1965.
- YARILOVA, E. A., and PARFENOVA, E. I. Newly formed clay minerals in soils. 16 p. Ref. (OTS 63-11080) Transl. 14336
Translation from *Pochvovedenie* 9:37-48. 1957.

- YASYUNAS, E. Production of machinery to help vegetable growers. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 181:21-23. Mar. 30, 1965. (JPRS 29,341; TT 65-30609) 173 J663Tsi
Translation from Leninskoye Znamya, Dec. 20, 1964:20.
- YASYUNAS, I. Clothing production in Lithuania. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 95:8-12. Oct. 5, 1965. (JPRS 32,252; TT 65-32742; CSO 1840-S) 173 J663Tro
Translation from Sovetskaya Torgovlya 8:27-29. Aug. 1965.
- YEH CHIH-FANG. Economy in running rural electric power system in non-irrigational seasons. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 44:37-40. Apr. 15, 1965. (JPRS 29,610) 173 J663Tco
Translation from Tien Shih Chieh 9:324-325. Sept. 1, 1964.
- YEMEL'YANOV, A., and KHOZYAISTVO, P. Incentives and initiative in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:24-33. Mar. 23, 1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Planovoe Khozyaistvo 1:74-79. Jan. 1966.
- YEN HAO-CHING, CHANG JEN-KANG, and CHOU CHIN-FANG. Study into the properties of Chinese raw cotton. U. S. Joint Publ. Res. Serv. Transl. Communist China's Indus. Mater. 54:3-27. May 17, 1965. (JPRS 30,088) 173 J663Tco
Translation from Fang Chih Chi Shu 9:1-11. Sept. 27, 1964.
- YERMAKOV, F. The market, kolkhozes and consumers' cooperatives. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:49-51. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 6:31. Feb. 1965.
- *YERMOLAYEV, D. I., and TESLENKO, YU. V. Paleobotanic data for the stratigraphy of Jurassic deposits of the Irkutsk coal basin. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 155 (1/6):51-53. Mar./Apr. 1964. 511 P444Aee
- YEZERSKIY, S. V. Experimental-industrial preservation with sodium pyrosulfite of Caspian sprat for production of feed meal. 25 p. (JPRS 24,182; OTS 64-31071) Transl. 14084
Translation from Akademiya Nauk Kazakhskoi SSR. Institut Ikhtiologii i Rybnogo Khozyaistva. Trudy 4:211-233. 1963.
- YEZHEVSKIY, A. From the plant to the consumer. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 100:17-21. Oct. 26, 1965. (JPRS 32,541; TT 65-33020; CSO 1840-D) 173 J663Tso
Translation from Sel'skaya Zhizn', Sept. 12, 1965:3.
- YEZHEVSKIY, A. Technical maintenance in agriculture to be improved in the Soviet Union. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 203:1-5. June 1, 1965. (JPRS 30,363; TT 65-31135; CSO 1830-D) 173 J663Tsi
Translation from Sel'skaya Zhizn', Apr. 17, 1965:2.
- YLINEN, A. Prediction of the time-dependent elastic and strength properties of wood by the aid of a general nonlinear viscoelastic rheological model. 9 p. Transl. 15874
Translation from Holz als Roh- und Werkstoff 5:193-196. May 1965.
- YU WEN-CHAO. Protect channels from seepage to raise utilization rate of irrigation water. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 59:8-12. June 21, 1965. (JPRS: 30,703) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 2:14-16. Feb. 1965.
- YUAN KUANG-YAO. The irrigation of wheat in alkaline soil. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 71:11-15. Aug. 10, 1965. (JPRS: 31,490; TT: 65-31986) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 3:16-18. Mar. 9, 1965.
- YUEH YEH. Experiences in the irrigation of winter wheat. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 71:1-10. Aug. 10, 1965. (JPRS: 31,490; TT: 65-31986) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 3:12-15. Mar. 9, 1965.
- *YUNUSOV, M. S., AKRAMOV, S. T., and YUNUSOV, S. YU. Investigation of alkaloids of *Corydalis gortschakovii* and *Corydalis pseudoadunca*. Acad. Sci. USSR. Dokl. Chem. Sect. 162 (1/6):528-529. May/June 1965. 511 P444Aec
- *ZABOYEVA, I. V. Gley-podzolic soils of north-east European USSR. Soviet Soil Sci. 7:745-755. Ref. July 1965. 57.8 P34Ae
- *ZAKHAROV, G. M. Diffusion of macromolecules of synthetic polyisoprene into natural rubber on uniaxial extension of the polymer. Polymer Sci. U.S.S.R. 7(3):502-506. 1964. 381 P763
- ZAKHAROVA, F. V. Changes in the development of young pigs and in their blood indexes during atrophic rhinitis. 10 p. (TT 62-14850) Transl. 15401
Translation from Veterinariya 1:43-46. Jan. 1962.
- ZANKOV, Z., and TODOROV, KH. Non-auxiliary shoots on the grapevine. 3 p. (TT 63-19973) Transl. 15446
Translation from Agrobiologiya 1:154-155. 1962.
- *ZASLAVSKIY, V. A. A new Central Asian genus and species of weevil of the subfamily Hyperinae (Coleoptera, Curculionidae). Entomol. Rev. 44(1):99-100. Jan./Mar. 1965. 421 R322Ae
- ZATSIOVSKIY, I. Difficulties at "Sel'khoztekhnik." U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 71:10-15. May 20, 1965. (JPRS 30,184; CSO 1840-D) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 12:32. Mar. 24, 1965.
- ZBROZHEK, T. Work at the Kayrakkumskoye Reservoir. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 95:3-5. Sept. 14, 1965. (JPRS 31,985; TT 65-32479; CSO 1840-N) 173 J663Tso
Translation from Kommunist Tadzhiqistana Aug. 10, 1965:1.
- ZHECHEV, P. Crop structure in irrigated areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 405:1-6. Dec. 15, 1965. (JPRS: 33,347; TT: 65-33922) 173 J663Ste
Translation from Kooperativno Zemedelie 11:16-18. Nov. 1965.
- ZHMAEVA, Z. M. Parthenogenetic development of *Haemaphysalis bispinosa* Neumann (Acarina, Ixodidae). 2 p. (TT 64-15612) Transl. 15176
Translation from Entomologicheskoe Obozrenie 31(1/2):121-122. 1950.
- ZHULIN, V. Detachments contract to till land. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 97:1-7. Oct. 5, 1965. (JPRS 32,241; TT 65-32731; CSO 1840-S) 173 J663Tso
Translation from Komsomol'skaya Pravda Aug. 7, 1965:1-2.
- *ZHURAVLEVA, Z. A. Oncoliths and catagraphs in the Riphean and Cambrian of eastern Siberia and their stratigraphic significance. Acad. Sci. USSR. Dokl. Earth Sci. Sect. 158 (1/6):37-39. Sept./Oct. 1964. 511 P444Aee

ZUBRANSKA, W. An investigation of Polish sulfate soaps and tall oil. 15 p. Ref. (OTS 61-31292) Transl. 14996
Translation from Przegląd Papierniczy 12:1-6. 1958.

ZHURBITSKII, Z. I. On the responsiveness of the sugar beet to fertilization with carbon dioxide. 30 p. Ref. (TT 63-16078) Transl. 15400
Translation from Petrovsk. Sel'skokhozyaistvennaya Akademiya. Izvestiya 2:427-444. 1928.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the National Agricultural Library, United States Department of Agriculture, Washington 25, D. C.

Agricultural Economic Reports

ANTHONY, W. E. Structural changes in the federally inspected livestock slaughter industry, 1950-62. U. S. D. A. Agr. Econ. Rep. 83, rev., 70 p., map. Feb. 1966. A281.9 Ag8A

HUTTON, R. F. A simulation technique for making management decisions in dairy farming; narrative, flow chart, and computer code description. U. S. D. A. Agr. Econ. Rep. 87, 143 p. Ref. Feb. 1966. A281.9 Ag8A

Agriculture Handbooks

AUSTIN, M. E. Land resource regions and major land resource areas of the United States, exclusive of Alaska and Hawaii. U. S. D. A. Agr. Handbook 296, 82 p., map. Ref. Dec. 1965. 1 Ag84Ah

HEDDEN, O. K., WILSON, J. D., and SLEESMAN, J. P. Equipment for applying soil pesticides. U. S. D. A. Agr. Handbook 297, 37 p. Ref. Jan. 1966. 1 Ag84Ah
Ohio Agricultural Research and Development Center, cooperating.

BAKER, F. H. Beef cattle improvement; a handbook for county agents. U. S. D. A. Agr. Handbook 299, 14 p. Jan. 1966. 1 Ag84Ah

Farmers' Bulletins

GARVER, H. L., and ROCKEY, J. W. Plumbing for the home and farmstead. U. S. D. A. Farmers' Bull. 2213, 20 p. Mar. 1966. 1 Ag84F

U. S. AGRICULTURAL RESEARCH SERV. AGRICULTURAL ENGINEERING RESEARCH DIV. Drying shelled corn and small grains. U. S. D. A. Farmers' Bull. 2214, 12 p. Dec. 1965. 1 Ag84F

ASH, W. J. Raising ducks. U. S. D. A. Farmers' Bull. 2215, 14 p. Mar. 1965. 1 Ag84F

Foreign Agricultural Economic Reports

GOOLSBY, O. H. Agricultural exports from Temperate and Tropical zones; changes in prices and foreign exchange earnings, 1947-63. U. S. D. A. Foreign Agr. Econ. Rep. 29, 24 p. Mar. 1966. A281.9 Ag8F

Home and Garden Bulletins

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing iris in the home garden. U. S. D. A. Home Gard. Bull. 66, rev., 8 p. Jan. 1966. 1 Ag84Hg
Entomology Research Division, cooperating.

GETZENDANER, C. W. The European earwig [*Forficula auricularia*]; how to control it around the home. U. S. D. A. Home Gard. Bull. 75, rev., 8 p.-folder. Mar. 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Making pickles and relishes at home. U. S. D. A. Home Gard. Bull. 92, 31 p. Mar. 1966. 1 Ag84Hg

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Home canning of meat and poultry. U. S. D. A. Home Gard. Bull. 106, 24 p. Feb. 1966. 1 Ag84Hg

Leaflets

WHITTEN, R. R. Elm bark beetles. U. S. D. A. Leaflet 185, slightly rev., 8 p. Jan. 1966. 1 Ag84L

BOSWELL, V. R., DAVIS, E. W., and DANIELSON, L. L. Commercial growing of carrots. U. S. D. A. Leaflet 353, slightly rev., 8 p. Feb. 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Silverfish [*Lepisma saccharina*] and firebrats [*Thermobia domestica*]; how to control them. U. S. D. A. Leaflet 412, rev., 6 p.-folder. Jan. 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Spring-flowering bulbs. U. S. D. A. Leaflet 439, slightly rev., 8 p. Feb. 1966. 1 Ag84L

U. S. AGRICULTURAL RESEARCH SERV. ENTOMOLOGY RESEARCH DIV. Chicken lice; how to control them. U. S. D. A. Leaflet 474, rev., 8 p.-folder. Apr. 1966. 1 Ag84L

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Background on U.S. agriculture. U. S. D. A. Leaflet 491, rev., 8 p.-folder. Mar. 1966. 1 Ag84L

Marketing Bulletins

FREEMAN, R. E., and VAN HORN, E. E. Agricultural marketing, vital link between farmer and consumer. U. S. D. A. Marketing Bull. 36, rev., 26 p. Mar. 1966. A280.39 Ag8M

Marketing Research Reports

BRAMLAGE, W. J., and COUEY, H. M. Gamma radiation of fruits to extend market life. U. S. D. A. Marketing Res. Rep. 717,27 p. Ref. Nov.1965. 1 Ag84Mr

LASLEY, F. A. Coordinating fluid milk supplies in the Pittsburgh market. U. S. D. A. Marketing Res. Rep. 746,52 p. Mar.1966. 1 Ag84Mr

Miscellaneous Publications

U. S. FOREST SERV. A job with the Forest Service; a guide to nonprofessional employment. U. S. D. A. Misc. Publ. 843,rev.,13 p., map. Apr.1966. 1 Ag84M

U. S. AGRICULTURAL RESEARCH SERV. 3-bedroom farmhouse; cooperative farm building plan No. 7165. U. S. D. A. Misc. Publ. 1010, 2 p. Feb.1966. 1 Ag84M

Production Research Reports

BURNS, W. C., DEESE, R. E., and KOGER, M. Creep feeding beef calves in Florida; effects on weight and market grade. U. S. D. A. Prod. Res. Rep. 88,9 p. Ref. Feb.1966. A281.9 Ag8 Florida Agricultural Experiment Station, cooperating.

Program Aid

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. What you should know about market cattle testing for brucellosis. U. S. D. A. PA-434,8 p.-folder. Mar.1966. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. Rural Areas Development at work. U. S. D. A. PA-625,rev.,32 p. Apr. 1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families: feeding young children. U. S. D. A. PA-693,4 p. Mar.1966. 1 Ag84Pro

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Burley tobacco acreage-poundage referendum, Thursday, March 10, 1966. U. S. D. A. PA-704,4 p. Feb.1966. 1 Ag84Pro

U. S. FARMERS HOME ADMIN. Financial assistance to small towns and rural groups; water systems, waste disposal systems. U. S. D. A. PA-707,4 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Babies touch, taste, and learn; a guide for parents. U. S. D. A. PA-711,8 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Babies look and learn; a guide for parents. U. S. D. A. PA-714,8 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Parents and teenagers; a guide for parents. U. S. D. A. PA-717,12 p. Mar.1966. 1 Ag84Pro

U. S. FOREST SERV. How the U.S. Department of Agriculture provides, year-round fun on farm & forest. U. S. D. A. PA-720,6 p. Ref. Mar.1966. 1 Ag84Pro

Service and Regulatory Announcements

U. S. CONSUMER AND MARKETING SERV. GRAIN DIV. Official grain standards of the United States. U. S. Consum. Marketing Serv. Cotton Div. SRA-C&MS-177,62 p. 1966. 1 M34S

Statistical Bulletins

SMITH, H. V. Transportation of grain in the Southwestern States by rail and truck, 1960-62. U. S. D. A. Statist. Bull. 367,26 p. Feb.1966. 1 Ag84St

Technical Bulletins

HOUSTON, W. R., and WOODWARD, R. R. Effects of stocking rates on range vegetation and beef cattle production in the Northern Great Plains. U. S. D. A. Tech. Bull. 1357,58 p. Ref. Jan.1966. 1 Ag84Te
Montana Agricultural Experiment Station, cooperating.

Unnumbered Publications

PHILLIPS, R. W. Inter-relationships among population trends, land availabilities, and food supplies; paper contributed for the United Nations World Population Conference, Belgrade, Yugoslavia, 30 August to 10 September, 1965. Washington, U. S. D. A., 1965. 5 p. Ref. A281.9 P54

U. S. DEPT. OF AGRICULTURE. Budget estimates for the United States Department of Agriculture for the fiscal year ending June 30, 1967. Washington, 1966. various paging. 1 Ag87Es

U. S. DEPT. OF AGRICULTURE. Orderly liquidation of stocks of agricultural commodities held by the Commodity Credit Corporation and the expansion of markets for surplus agricultural commodities; an annual report by the Secretary of Agriculture in response to Section 201(b), Public Law 540, 84th Congress. Washington, 1966. 79 p. A284.39 Ag8

U. S. DEPT. OF AGRICULTURE. Project and geographic breakdown, budget estimates, 1967. Washington, 1966. 293 p. 1.90 A2P948

AGRICULTURAL RESEARCH SERVICE

SOHNS, V. E., ROGOVIN, S. P., and GRIFFIN, E. L. Microbial polymers, a preliminary cost estimate. U. S. Agr. Res. Serv. ARS-71-33, 16 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. DHIA sire summary list, August 1963-November 1965: Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, Red Dane, mixed breed, and Red Poll sires. U. S. Agr. Res. Serv. ARS 44-172,334 p. Mar.1966. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Chemically modified oil products and industrial uses; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-27-4,6 p. Feb. 1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Composition of oilseeds; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-23-4,4 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean oil; a list of publications for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-25-4,4 p. Feb. 1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean protein products; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-26-4,2 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Industrial uses of proteins; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-28-3,2 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Processing oilseeds, oil, and meal; a list of publications and patents for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-24-4,2 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Publications and patents, January-June 1965, Northern Utilization Research and Development Division. Peoria, Ill., 1965. 38 p. 1.9321 N2L69

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Review articles on oilseed crops research; a list of publications for 1965 of the Division. U. S. Agr. Res. Serv. ARS-71-29-4,2 p. Feb.1966. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. WESTERN REGION. Beet leafhopper survey—desert areas of southern Utah and Nevada, southeastern California and central Arizona, January 31—February 12, 1966. Oakland, Calif., 1966. 2 p. A431 R312

WARWICK, E. J., and BOND, J. Influence of environment on growth and reproduction of cattle. U. S. Agr. Res. Serv. ARS 44-167,23 p., map. Ref. Jan.1966. A49.9 R31A

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The fertilizer situation, 1965-66; nitrogen, phosphate, potash, by H. H. Shepard and J. N. Mahan. Washington, 1966. 16 p. Ref. 1.9424 M2F41

ECONOMIC RESEARCH SERVICE

COOPER, M. R., and WILMOT, C. A. Shippers' costs of assembling and distributing Western cotton, by types, market trading areas, and sales outlets, season 1964-65. U. S. D. A. Econ. Res. Serv. ERS-271,2 p. Dec. 1965. A281.9 Ag83E

DEWOLFE, M. R. Recent trends and prospective developments in air shipments of agricultural commodities. U. S. D. A. Econ. Res. Serv. ERS-278,5 p. Feb.1966. A281.9 Ag83E

FABER, F. L. Present and alternative methods of pricing eggs. U. S. D. A. Econ. Res. Serv. ERS-275,27 p.,map. Ref.,p.20-24. Feb. 1966. A281.9 Ag83E

KROMER, G. W. Trends in U.S. corn oil production and use, 1947-65. U. S. D. A. Econ. Res. Serv. ERS-280,9 p. Feb.1966. A281.9 Ag83E

REGIER, D. W., and others. Meat import prospects of the European Economic Community. U. S. D. A. Econ. Res. Serv. ERS-Foreign-139,28 p. Feb.1966. A281.9 Ag83

R. N. Brown, R. W. Hexem, and W. P. Huth, joint authors.

SANTMYER, C. Libya's agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS-Foreign-147,8 p.,map. Mar.1966. A281.9 Ag83

TEGELER, H. H. The agriculture of West Asia. U. S. D. A. Econ. Res. Serv. ERS-Foreign-143,75 p.,map. Ref. Feb.1966. A281.9 Ag83

TEGELER, H. H. Jordan's agricultural economy in brief. U. S. D. A. Econ. Res. Serv. ERS-Foreign-146,8 p.,map. Feb.1966. A281.9 Ag83

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Food around the world. U. S. D. A. Econ. Res. Serv. ERS-284,12 p. Feb.1966. A281.9 Ag83E

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Shippers' costs of assembling and distributing U.S. cotton, by types and sales outlets, season 1964-65. U. S. D. A. Econ. Res. Serv. ERS-273,2 p. Jan.1966. A281.9 Ag83E

Cotton Economic Research, University of Texas, and Agricultural Economics and Sociology, Texas A & M University, cooperating.

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. The Western Hemisphere agricultural situation; review of 1965 and outlook for 1966. U. S. D. A. Econ. Res. Serv. ERS-Foreign-154,70 p. Mar.1966. A281.9 Ag83

FARMER COOPERATIVE SERVICE

BRADFORD, H. W. Cotton cooperatives on the Plains of Texas; services and benefits. U. S. Farmer Coop. Serv. FCS Circ. 33,54 p.,map. Feb.1966. A280.29 F22F

GRIFFIN, N. Financial structure of regional farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rep. 133,56 p.,map. Apr.1966. A280.29 F22G

LIBEAU, C. P. Egg pricing for the Boston egg market structure. U. S. Farmer Coop. Serv. Serv. Rep. 78,24 p. Feb.1966. A280.29 F22

MCVEY, D. H. Regional grain cooperatives, 1963-64; 26th annual report. U. S. Farmer Coop. Serv. Serv. Rep. 73,28 p.,map. June 1965. A280.29 F22

RUST, I. W. Recognizing the ideal cooperative director. U. S. Farmer Coop. Serv. Educ. Circ. 26,9 p. Jan.1966. A280.29 F22Fc

FOREIGN AGRICULTURAL SERVICE

U. S. FOREIGN AGRICULTURAL SERV. Storage life of dairy products. U. S. Foreign Agr. Serv. FAS-M-172,3 p. Jan.1966. A281.9 F76Fm

FOREST SERVICE

ALDON, E. F., and BROWN, F. J. A prefabricated flume for gaging ephemeral streams. U. S. Forest Serv. Res. Note RM-55,8 p. Oct. 1965. A99.9 F7632Us

ANDERSON, L. O. Development of an improved system of wood-frame house construction. U. S. Forest Serv. Res. Paper FPL 47, 12 p. Oct.1965. A99.9 F7634U

BARNETT, J. P., and MCLEMORE, B. F. Cone and seed characteristics of sand pine. U. S. Forest Serv. Res. Paper SO-19,13 p., map. Ref. 1965. A99.9 F7628Us

BARRETT, J. W. Spacing and understory vegetation affect growth of ponderosa pine [*Pinus ponderosa*] saplings. U. S. Forest Serv. Res. Note PNW-27,8 p. Aug.1965. A99.9 F7625U

BEAUFIT, W. R. Characteristics of backfires and headfires in a pine needle fuel bed. U. S. Forest Serv. Res. Note INT-39,7 p. 1965. A99.9 F764Un

- BENDTSEN, B. A. Strength and related properties of a randomly selected sample of second-growth redwood [*Sequoia sempervirens*]. U. S. Forest Serv. Res. Paper FPL 53, 16 p. Ref. Feb. 1966. A99.9 F7634U
- BINKLEY, V. W. Economics and design of a radio-controlled skyline yarding system. U. S. Forest Serv. Res. Paper PNW-25, 30 p., map. 1965. A99.9 F7625Un
- BJORKBOM, J. C., MARQUIS, D. A., and CUNNINGHAM, F. E. The variability of paper birch seed production, dispersal, and germination. U. S. Forest Serv. Res. Paper NE-41, 8 p. Ref. 1965. A99.9 F7622Un
- BOHANNAN, B., and SELBO, M. L. Evaluation of commercially made end joints in lumber by three test methods. U. S. Forest Serv. Res. Paper FPL 41, 40 p., map. Oct. 1965. A99.9 F7634U
- BOHANNAN, B. Exploratory development of tension test method for structural-size lumber. U. S. Forest Serv. Res. Paper FPL 40, 12 p. Sept. 1965. A99.9 F7634U
- BOONE, R. S. The market for lumber and other wood products in Hawaii's transportation industry. U. S. Forest Serv. Res. Note PSW-86, 4 p. 1965. A99.9 F7652
- BRYAN, W. C. Testing shortleaf pine [*Pinus echinata*] seedlings for resistance to infection. U. S. Forest Serv. Res. Note SE-50, 4 p. Nov. 1965. A99.9 F7623Un
University of Georgia, cooperating.
- COLE, A. B. Hardwood log grading at circular sawmills. U. S. Forest Serv. Res. Note CS-41, 4 p. Dec. 1965. A99.9 F7629
- COLLINS, A. B. Topwood volume tables for old-field slash pine plantations. U. S. Forest Serv. Res. Note SE-51, 3 p. Nov. 1965. A99.9 F7623Un
- CONLEY, W. T., DAWSON, D. H., and HILL, R. B. The performance of eight seed sources of Ponderosa pine [*Pinus ponderosa*] in the Denbigh Experimental Forest, North Dakota. U. S. Forest Serv. Res. Note LS-71, 4 p., map. Dec. 1965. A99.9 F7624
- CORBETT, E. S., and GREEN, L. R. Emergency revegetation to rehabilitate burned watersheds in southern California. U. S. Forest Serv. Res. Paper PSW-22, 14 p. Ref. 1965. A99.9 F7652P
- CUMMINS, D. G., PLASS, W. T., and GENTRY, C. E. Chemical and physical properties of spoil banks in the eastern Kentucky coal fields. U. S. Forest Serv. Res. Paper CS-17, 11 p. Dec. 1965. A99.9 F7629U
- CUNNINGHAM, F. E., and PETERSON, R. J. Air-layering sugar maple. U. S. Forest Serv. Res. Paper NE-42, 16 p. 1965. A99.9 F7622Un
- DELL, J. D., and PHILPOT, C. W. Variations in the moisture content of several fuel size components of live and dead chamise [*Adenostoma fasciculatum*]. U. S. Forest Serv. Res. Note PSW-83, 7 p. Ref. 1965. A99.9 F7652
- DUNCAN, C. G. Determining resistance to soft-rot fungi. U. S. Forest Serv. Res. Paper FPL 48, 12 p. Ref. Dec. 1965. A99.9 F7634U
- ENGLERTH, G. H. Framework of qualitative relationships in wood utilization. U. S. Forest Serv. Res. Paper FPL 45, 17 p. Ref. Jan. 1966. A99.9 F7634U
- ERDMANN, G. G. Weed control and fertilization in white pine [*Pinus strobus*] plantings of western Iowa. U. S. Forest Serv. Res. Note CS-36, 6 p. July 1965. A99.9 F7629
- ERICKSON, E. C. O., and ROMSTAD, K. M. Distribution of wheel loads on timber bridges. U. S. Forest Serv. Res. Paper FPL 44, 62 p. Dec. 1965. A99.9 F7634U
Division of Engineering, Forest Service,
U. S. Department of Agriculture, cooperating.
- ESSEX, B. L., and GANSNER, D. A. Illinois' timber resource. U. S. Forest Serv. Resource Bull. LS-3, 56 p., map. Dec. 1965. A99.9 F7624Un
- FENTON, R. H., and BOND, A. R. Pre-commercial thinning not recommended for Virginia pine [*Pinus virginiana*] stands in southern Maryland. U. S. Forest Serv. Res. Note NE-40, 7 p. 1965. A99.9 F7622U
- FFOLLIOTT, P. F. Determining growth of ponderosa pine in Arizona by stand projection. U. S. Forest Serv. Res. Note RM-52, 4 p. Aug. 1965. A99.9 F7632Us
- FFOLLIOTT, P. F., and BARGER, R. L. A method of evaluating multiproduct potential in standing timber. U. S. Forest Serv. Res. Paper RM-15, 24 p., map. Ref. Oct. 1965. A99.9 F7632U
- FFOLLIOTT, P. F., HANSEN, E. A., and ZANDER, A. D. Snow in natural openings and adjacent ponderosa pine [*Pinus ponderosa*] stands on the Beaver Creek watersheds. U. S. Forest Serv. Res. Note RM-53, 8 p. Aug. 1965. A99.9 F7632Us
- FOLKMAN, W. S. Residents of Butte County, California: their knowledge and attitudes regarding forest fire prevention. U. S. Forest Serv. Res. Paper PSW-25, 32 p. Ref. 1965. A99.9 F7652P
- FOSBERG, M. A., and SCHROEDER, M. J. An example of nighttime drying in the Santa Ana mountains. U. S. Forest Serv. Res. Note PSW-74, 6 p. 1965. A99.9 F7652
- FOWELLS, H. A., and STARK, N. B. Natural regeneration in relation to environment in the mixed conifer forest type of California. U. S. Forest Serv. Res. Paper PSW-24, 14 p. 1965. A99.9 F7652P
- FRAZIER, G. D. Estimated demand for lumber and plywood in Hawaii by the year 2000. U. S. Forest Serv. Res. Paper PSW-23, 9 p. 1965. A99.9 F7652P
- FREDRIKSEN, R. L. Christmas storm damage on the H. J. Andrews Experimental Forest. U. S. Forest Serv. Res. Note PNW-29, 11 p., map. Aug. 1965. A99.9 F7625U
- GARY, H. L., and CAMPBELL, C. J. Water table characteristics under tamarisk [*Tamarix pentandra*] in Arizona. U. S. Forest Serv. Res. Note RM-58, 7 p. Nov. 1965. A99.9 F7632Us
- GERHARDS, C. C. Physical and mechanical properties of *Molucca albizzia* [*Albizzia falcata*] grown in Hawaii. U. S. Forest Serv. Res. Paper FPL 55, 8 p. Mar. 1966. A99.9 F7634U
- GROSENBAUGH, L. R. Three-pee sampling theory and program "THRP" for computer generation of selection criteria. U. S. Forest Serv. Res. Paper PSW-21, 53 p. Ref. 1965. A99.9 F7652P
- HALL, R. C. Sagebrush defoliator [*Aroga websteri*] outbreak in northern California. U. S. Forest Serv. Res. Note PSW-75, 12 p. Ref. 1965. A99.9 F7652
- HALLOCK, H. Sawing to reduce warp of loblolly pine [*Pinus taeda*] studs. U. S. Forest Serv. Res. Paper FPL 51, 53 p. Ref. Dec. 1965. A99.9 F7634U
- HALLS, L. K., and ALCANIZ, R. Rooting cuttings of browse plants. U. S. Forest Serv. Res. Note SO-25, 2 p. 1965. A99.9 F7628U
- HALLS, L. K., and ALCANIZ, R. Seasonal twig growth of Southern browse plants. U. S. Forest Serv. Res. Note SO-23, 5 p., folder. 1965. A99.9 F7628U
- HANKS, L. F. Adventitious bud clusters do not degrade black cherry logs. U. S. Forest Serv. Res. Note CS-44, 6 p. Dec. 1965. A99.9 F7629

HARRIS, A. S. Aerial seeding Sitka spruce [*Picea sitchensis*] and western hemlock [*Tsuga heterophylla*] on a cutover area in southeast Alaska. U. S. Forest Serv. Res. Note NOR-10, 6 p., map. June 1965. A99.9 F7672U

HAZARD, J. W. Timber resource statistics for southwest Washington. U. S. Forest Serv. Resource Bull. PNW-15, 32 p., map. 1965. A99.9 F7625Un

HERRICK, O. W., and CHRISTENSEN, W. W. Geographic destination and market outlets for lumber produced by Kentucky sawmills. U. S. Forest Serv. Res. Note CS-45, 8 p., map. Dec. 1965. A99.9 F7629

HERRICK, O. W., and WHEELAND, H. A. Harvesting costs and returns on a mechanized logging operation in southeast Kentucky. U. S. Forest Serv. Res. Note CS-42, 6 p. Dec. 1965. A99.9 F7629

HIMEL, C. M., and others. A new method for spray deposit assessment. U. S. Forest Serv. Res. Note PSW-87, 10 p. 1965. A99.9 F7652

L. Vaughn, R. P. Miskus, and A. D. Moore, joint authors.

HORNIBROOK, E. M., and HOWDEN, W. R. Top utilization of timber cut in California, 1964. U. S. Forest Serv. Res. Note PSW-85, 9 p. 1965. A99.9 F7652

JOHNSON, F. A. Sample sizes for timber cruises. U. S. Forest Serv. Res. Note PNW-30, 10 p. Oct. 1965. A99.9 F7625U

JOHNSON, R. L., and KRINARD, R. M. Tips for managing drought-stricken cottonwoods along the lower Mississippi River. U. S. Forest Serv. Res. Note SO-24, 4 p. 1965. A99.9 F7628U

JOHNSON, W. M., BLANKENSHIP, J. O., and BROWN, G. R. Explorations in the germination of sedges [*Carex*]. U. S. Forest Serv. Res. Note RM-51, 8 p. Aug. 1965. A99.9 F7632Us

JOHNSON, W. M. Rotation, rest-rotation, and season-long grazing on a mountain range in Wyoming. U. S. Forest Serv. Res. Paper RM-14, 16 p., map. Aug. 1965. A99.9 F7632U

JUDSON, A. The weather and climate of a high mountain pass in the Colorado Rockies. U. S. Forest Serv. Res. Paper RM-16, 28 p., map. Ref. Nov. 1965. A99.9 F7632U

KONING, J. W. Comparison of two specimen shapes for short column test of corrugated fiberboard. U. S. Forest Serv. Res. Note FPL-0109, 10 p. Oct. 1965. A99.9 F7634Un

KRAMMES, J. S., LENT, J. D., and CLARKE, J. W. Streamflow records from the San Dimas Experimental Forest, 1939-1959. U. S. Forest Serv. Res. Note PSW-79, 9 p., map. 1965. A99.9 F7652

KRAUS, J. F. Conversion of oleoresin yields from short-season microchipping to full-season yields from standard chipping. U. S. Forest Serv. Res. Note SE-48, 4 p. Sept. 1965. A99.9 F7623Un

KUENZL, E. W. Minimum weight structural sandwich. U. S. Forest Serv. Res. Note FPL-086, rev., 14 p. Oct. 1965. A99.9 F7634Un

Issued in cooperation with the MIL-HDBK-23 Working Group on Composite Construction for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.

KURTENACKER, R. S. Fiberneer; development, production, and evaluation. U. S. Forest Serv. Res. Paper FPL 52, 26 p. Ref. Jan. 1966. A99.9 F7634U

LABAU, V. J. An aerial photo scale-protractor. U. S. Forest Serv. Res. Note NOR-11, 2 p. Oct. 1965. A99.9 F7672U

LEWIS, W. Thermal conductivity-temperature relationship for nine glass and asbestos fiber-reinforced aircraft plastics. U. S. Forest Serv. Res. Paper FPL 36, 14 p. Aug. 1965. A99.9 F7634U

Issued in cooperation with the MIL-HDBK-17 Working Group on Plastics for Flight Vehicles of the Departments of the Air Force, Navy, and Commerce.

LEWIS, W. C., and SCHWARTZ, S. L. Insulating board, hardboard, and other structural fiberboards. U. S. Forest Serv. Res. Note FPL-077, 19 p., map. Aug. 1965. A99.9 F7634Un

MADDOCK, S. J., GEHRKEN, G. A., and GUTHRIE, W. A. Rural male residents' participation in outdoor recreation. U. S. Forest Serv. Res. Note SE-49, 2 p. Nov. 1965. A99.9 F7623Un

MAGILL, A. W., and TWISS, R. H. A guide for recording esthetic and biologic changes with photographs. U. S. Forest Serv. Res. Note PSW-77, 8 p. 1965. A99.9 F7652

MAKI, A. C., and KUENZL, E. W. Deflection and stresses of tapered wood beams. U. S. Forest Serv. Res. Paper FPL 34, 54 p., map. Sept. 1965. A99.9 F7634U

MAKI, A. C. Stress distribution in an orthotropic half-plane subjected to a concentrated load. U. S. Forest Serv. Res. Paper FPL 54, 10 p. Feb. 1966. A99.9 F7634U

MANN, C. N. Forces in balloon logging. U. S. Forest Serv. Res. Note PNW-28, 5 p. Aug. 1965. A99.9 F7625U

MAPLE, W. R. Forest species compared in Ozark plantations. U. S. Forest Serv. Res. Note SO-28, 2 p. 1965. A99.9 F7628U

MAPLE, W. R. Shortleaf pine stands five years after seedfall on prepared sites. U. S. Forest Serv. Res. Note SO-27, 2 p. 1965. A99.9 F7628U

MARTY, R. The mensurational characteristics of eastern white pine [*Pinus strobus*]. U. S. Forest Serv. Res. Paper NE-40, 73 p. Ref. 1965. A99.9 F7622Un

MCCAULEY, O. D. Cause and cost of production delay at hardwood circular sawmills in Kentucky and Ohio. U. S. Forest Serv. Res. Note CS-43, 4 p. Dec. 1965. A99.9 F7629

MCCULLOCH, C. Y., WALLMO, O. C., and FOLLIOTT, P. F. Acorn yield of Gambel oak [*Quercus gambeli*] in northern Arizona. U. S. Forest Serv. Res. Note RM-48, 2 p. July 1965. A99.9 F7632Us

MERKEL, E. P., and YANDLE, D. O. Mist blower applications of insecticides for cone insect control on slash pine [*Pinus elliottii*]. U. S. Forest Serv. Res. Note SE-52, 4 p. Nov. 1965. A99.9 F7623Un

METZ, L. J., and WELLS, C. G. Weight and nutrient content of the aboveground parts of some loblolly pines [*Pinus taeda*]. U. S. Forest Serv. Res. Paper SE-17, 20 p. Mar. 1965. A99.9 F7623U

MOODY, R. C. Edgewise compressive strength of corrugated fiberboard as determined by local instability. U. S. Forest Serv. Res. Paper FPL 46, 8 p. Dec. 1965. A99.9 F7634U

MURPHY, J. L., and PHILPOT, C. W. Do petroleum-based protective coatings add fuel value to slash? U. S. Forest Serv. Res. Note PSW-81, 3 p. 1965. A99.9 F7652

PASE, C. P., and GLENDENING, G. E. Reduction of litter and shrub crowns by planned fall burning of oak [*Quercus turbinella*]-mountain mahogany [*Cercocarpus montanus*] chaparral. U. S. Forest Serv. Res. Note RM-49, 2 p. Aug. 1965. A99.9 F7632Us

PASE, C. P. Shrub seedling regeneration after controlled burning and herbicidal treatment of dense pringle manzanita chaparral. U. S. Forest Serv. Res. Note RM-56, 2 p. Nov. 1965. A99.9 F7632Us

- REUKEMA, D. L. Seasonal progress of radial growth of Douglas-fir redcedar and red alder. U. S. Forest Serv. Res. Paper PNW-26,14 p. Aug.1965. A99.9 F7625Uni
- RICHMOND, G. B. Naturalization of Java podocarpus [*Podocarpus cupressina*] in Hawaii rain forest. U. S. Forest Serv. Res. Note PSW-76,5 p.,map. 1965. A99.9 F7652
- RÖTHERMEL, R. C., and HARDY, C. E. Influence of moisture on effectiveness of fire retardants. U. S. Forest Serv. Res. Paper INT-18,32 p. 1965. A99.9 F764U
- ROW, C., FASICK, C., and GUTTENBERG, S. Improving sawmill profits through operations research. U. S. Forest Serv. Res. Paper SO-20,26 p. Ref. 1965. A99.9 F7628Us
- RUDOLF, P. O. Botanical and commercial range of black spruce [*Picea mariana*] in the Lake States. U. S. Forest Serv. Res. Note LS-74,4 p.,map. Dec.1965. A99.9 F7624
- RUDOLF, P. O., and ANDRESEN, J. W. Botanical and commercial range of white spruce [*Picea glauca*] in the Lake States. U. S. Forest Serv. Res. Note LS-73,4 p.,map. Dec.1965. A99.9 F7624
- SANTAMOUR, F. S. Insect-induced crystallization of white pine [*Pinus strobus*] resins. I. White-pine weevil [*Pissodes strobi*]. U. S. Forest Serv. Res. Note NE-38,8 p. 1965. A99.9 F7622U
- SANTAMOUR, F. S. Insect-induced crystallization of white pine [*Pinus strobus*] resins. II. White pine cone beetle [*Conophthorus coniperda*]. U. S. Forest Serv. Res. Note NE-39,5 p. 1965. A99.9 F7622U
- SCHMITT, D., and NAMKOONG, G. Pine species in the Harrison Experimental Forest arboretum. U. S. Forest Serv. Res. Paper SO-18,18 p. Ref. 1965. A99.9 F7628Us
- SCHOLTEN, J. A. Effects of various preservative treatments of field boxes on nail holding. U. S. Forest Serv. Res. Paper FPL 42,8 p. Oct.1965. A99.9 F7634U
- SKOLMEN, R. G. Water spray protects stored logs [*Eucalyptus robusta*] in Hilo, Hawaii. U. S. Forest Serv. Res. Note PSW-84,6 p. 1965. A99.9 F7652
- SMITH, R. S., SCHARPF, R. F., and SCHNEEGAS, E. R. Frost injury to bitterbrush [*Purshia tridentata*] in eastern California. U. S. Forest Serv. Res. Note PSW-82,4 p. 1965. A99.9 F7652
- SPRINGFIELD, H. W. Adaptability of forage species for pinyon-juniper sites in New Mexico. U. S. Forest Serv. Res. Note RM-57,4 p. Nov.1965. A99.9 F7632Us
- STOECKELER, J. H. Frost penetration and trafficability in two peats as affected by snow-pack and surface mosses. U. S. Forest Serv. Res. Note LS-70,4 p. Dec.1965. A99.9 F7624
- TARKOW, H., and others. Surface characteristics of wood as they affect durability of finishes. U. S. Forest Serv. Res. Paper FPL 57, 60 p. Ref. Mar.1966. A99.9 F7634U
- C. F. Southerland, R. M. Seborg, and M. A. Kalnins, joint authors.
I, Surface stabilization, by H. Tarkow, C. F. Southerland, and R. M. Seborg; II, Photochemical degradation of wood, by M. A. Kalnins.
- TUBBS, C. H. Influence of temperature and early spring conditions on sugar maple and yellow birch germination in upper Michigan. U. S. Forest Serv. Res. Note LS-72,2 p. Dec. 1965. A99.9 F7624
- U. S. FOREST SERV. EASTERN TREE SEED LABORATORY. Annual report, 12th, 1965, by E. W. Belcher and R. G. Hitt. Macon, 1965. 67 p.,map. A99.9 T71
- U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Veneer cutting and drying properties of water oak. U. S. Forest Serv. Res. Note FPL-0105,6 p. Aug.1965. A99.9 F7634Un
- U. S. FOREST SERV. INTERMOUNTAIN REGION. Mountain water, by A. R. Croft and R. W. Bailey. Ogden, Utah, 1964. 64 p.,map. Ref. aHD1695.15A5
- U. S. FOREST SERV. INTERMOUNTAIN REGION. Operation bugout, 1964; Salmon National Forest. Ogden, Utah, 1964. 8 p.-folder,map. asB608 .S8U5
- U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. Forage, timber, and wildlife research in the Georgia flatwoods, by G. A. Smyth. Asheville, N.C., 1965. 16 p. A60.1 F764
- WAGENER, W. W. Dwarfmistletoe [*Arceuthobium*] removal and reinvasion in Jeffrey and ponderosa pine, northeastern California. U. S. Forest Serv. Res. Note PSW-73,8 p. 1965. A99.9 F7652
- WALLIS, J. R. WALLY, a large principal components regression program with varimax rotation of the factor weight matrix. U. S. Forest Serv. Res. Note PSW-92,6 p. 1965. A99.9 F7652
- WICKMAN, B. E. Insect-caused deterioration of windthrown timber in northern California, 1963-1964. U. S. Forest Serv. Res. Paper PSW-20,14 p.,map. 1965. A99.9 F7652P
- WILLISTON, H. L. Forest floor in loblolly pine plantations as related to stand characteristics. U. S. Forest Serv. Res. Note SO-26,3 p. 1965. A99.9 F7628U
- WOOD, L. W., and MARKWARDT, L. J. Derivation of fiber stresses from strength values of wood poles. U. S. Forest Serv. Res. Paper FPL 39,8 p. Oct.1965. A99.9 F7634U
- WORLEY, D. P. The Beaver Creek pilot watershed for evaluating multiple-use effects of watershed treatments. U. S. Forest Serv. Res. Paper RM-13,12 p.,map. July 1965. A99.9 F7632U
- WORLEY, D. P., MUNDELL, G. L., and WILLIAMSON, R. M. Gross job time studies, an efficient method for analyzing forestry costs. U. S. Forest Serv. Res. Note RM-54,8 p. Sept. 1965. A99.9 F7632Us
- ZAHN, J. J., and ROMSTAD, K. M. Buckling of simply supported plywood plates under combined edgewise bending and compression. U. S. Forest Serv. Res. Paper FPL 50,20 p. Dec.1965. A99.9 F7634U
- ZAHN, J. J. Lateral stability of deep beams with shear-beam support. U. S. Forest Serv. Res. Paper FPL 43,30 p. Oct.1965. A99.9 F7634U

GRADUATE SCHOOL

U. S. DEPT. OF AGRICULTURE. GRADUATE SCHOOL. Special programs, 1965-1966; special programs to meet Federal agency needs. Washington, 1965. 26 p. 1 Ag854E

NATIONAL AGRICULTURAL LIBRARY

CORRIDON, G. A. Variety testing with different levels of fertilizer. Washington, U. S. Nat. Agr. Lib., 1965. 2 p. VF Bibliogr.

Not available for free distribution. Photocopies may be ordered from the Library.

LARSON, N. G. Negroes in agriculture; preliminary list No. 2. Washington, U. S. Nat. Agr. Lib., 1965. 9 p. VF Bibliogr.

Not available for free distribution. Photocopies may be ordered from the Library.

LARSON, N. G. Planning in rural areas; a list of selected references. Washington, U. S. Nat. Agr. Lib., 1965. 4 p. VF Bibliogr.

Not available for free distribution. Photocopies may be ordered from the Library.

NATIONAL Agricultural Library Catalog 1(1),
29 p. Jan.1966. A75076.N3

RURAL ELECTRIFICATION ADMINISTRATION

U. S. RURAL ELECTRIFICATION ADMIN. Report of the Administrator, 1965. Washington, 1965. 46 p.,map. 173.2 R88A

SOIL CONSERVATION SERVICE

CROW, E. E., MOORE, E. C., and DODD, O. L. Soil survey of Bamberg County, South Carolina. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962 (10),106 p.,map. Ref. Jan.1966. 1 So32F
South Carolina Agricultural Experiment Station, cooperating.

HAMILTON, V. L. Soil survey of Wichita County, Kansas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(7,i.e.8),63 p.,map. Ref. Nov. 1965. 1 So32F

Kansas Agricultural Experiment Station, cooperating.

KOOS, W. M., PUTNAM, L. A., and MITCHELL, W. D. Soil survey of Crosby County, Texas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(36),70 p.,map. Ref. Jan.1966. 1 So32F

Texas Agricultural Experiment Station, cooperating.

MAYKO, R. W., and others. Soil survey of the Prineville area, Oregon. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1955(12),89 p.,map. Ref. Feb.1966. 1 So32F

G. K. Smith, H. Biggerstaff, and E. Dull, joint authors.

Oregon Agricultural Experiment Station, cooperating.

NEAL, H. L., and others. Soil survey of Clarke County, Mississippi. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(32),116 p.,map. Ref. Dec.1965. 1 So32F

B. G. Moss, C. H. Whittington, J. W. Keyes, W. W. Nye, and C. H. Freeman, joint authors.

Mississippi Agricultural Experiment Station, cooperating.

PAYNE, H. H., and PILKINTON, J. A. Soil survey of Morgan County, Georgia. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(6),75 p.,map. Ref. Sept.20,1965. 1 So32F

Georgia Agricultural Experiment Stations, cooperating.

WEBER, H. L., and others. Soil survey of Grand Traverse County, Michigan. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1958(34),141 p.,map. Jan.1966. 1 So32F

R. Hall, N. R. Benson, and G. Van Winter, joint authors.

Michigan Agricultural Experiment Station, cooperating.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

HARRIS, H. M., and WILSON, L. E. Market values and transfers of milk quotas in Alabama. Ala. Agr. Exp. Sta. Bull. 366,43 p.,map. Mar. 1966. 100 AL1S

SMITH, L. A., and others. Sorghum-Sudan hybrid [Sudax] vs. Johnsongrass pasture for dairy cows. Ala. Agr. Exp. Sta. Circ. 151,8 p. Mar.1966. 100 AL1S

H. W. Grimes, J. A. Little, and G. E. Hawkins, joint authors.

SCARSBROOK, C. E., and COPE, J. T. Spacing and rates of nitrogen for corn. Ala. Agr. Exp. Sta. Circ. 152,8 p. Mar.1966. 100 AL1S

Arkansas Agricultural Experiment Station, Fayetteville

HOLLINGSWORTH, E. B. Waterstargrass [Heteranthera dubia] as an aquatic weed. Ark. Agr. Exp. Sta. Bull. 705,35 p.,map. Ref. Jan. 1966. 100 Ar42

U. S. Department of Agriculture, cooperating.

ARKANSAS farm research 15(1),12 p. Jan./Feb.1966. 100 Ar42F

California Agricultural Experiment Station, Berkeley

MARTIN, W. E., and others. Fertilization of irrigated pasture and forage crops in California. Calif. Agr. Exp. Sta. Bull. 815,36 p. July 1965. 100 C12S

V. V. Rendig, A. D. Haig, and L. J. Berry, joint authors.

ZSCHEILE, F. P., and others. A sunlight phytotron unit as a practical research tool. Hilgardia 36(14),565 p. Ref. Sept.1965. 100 C12H

S. M. Henderson, A. S. Leonard, L. W. Neubauer, and S. J. Sluka, joint authors.

ESAU, K. Anatomy and cytology of Vitis phloem. Hilgardia 37(2),72 p. Ref. Dec.1965. 100 C12H

DEKAZOS, E. D., and CRANE, J. C. Fluctuations of total and nitrate nitrogen in parthenocarpic and nonparthenocarpic fig varieties. Hilgardia 37(5),164 p. Jan.1966. 100 C12H

BROADBENT, F. E. Interchange between inorganic and organic nitrogen in soils. Hilgardia 37(6),180 p. Ref. Jan.1966. 100 C12H

CALIFORNIA agriculture. 20(1),16 p. Jan. 1966. 100 C12Cag

Colorado Agricultural Experiment Station, Fort Collins

ELLS, J. E. Variety trials of processing tomatoes, Colorado, 1965. Colo. Agr. Exp. Sta. Gen. Ser. GSP 827,24 p. 1965. 100 C71G

CRUMPACKER, D. W., and others. Performance tests of corn hybrids grown in various regions of Colorado in 1965. Colo. Agr. Exp. Sta. Gen. Ser. 835,26 p. Mar.1966. 100 C71G

J. C. Swinbank, J. C. Hoff, J. F. Swink, and R. W. Sinclair, joint authors.

DOTZENKO, A. D., and others. Effects of stage of maturity on the composition of various sorghum silages. Colo. Agr. Exp. Sta. Tech. Bull. 87,39 p. Ref. 1965? 100 C71S

N. E. Humburg, G. O. Hinze, and W. H. Leonard, joint authors.

Florida Agricultural Experiment Station, Gainesville

BRELAND, H. L., PRITCHETT, W. L., and LUNDY, H. W. Liming soils for flue-cured tobacco in the Suwannee Valley area. Fla. Agr. Exp. Sta. Tech. Bull. 702,38 p. Ref. Nov.1965. 100 F66S

SUNSHINE State agricultural research report. 11(1),20 p. Jan.1966. 100 F66Su

Georgia Agricultural Experiment Stations, Athens

BROWN, E. E., CULVER, D. W., and ROSE, B. B. The economic development of the Southwest Georgia Planning and Development Commission area through utilization of the agricultural and agribusiness base. Ga. Agr. Exp. Sta. Bull. (n.s.)151,54 p.,map. Dec.1965. 100 G293B

Southwest Georgia Planning and Development Commission, cooperating.

FORD, K. E. Georgia commercial peach tree survey, 1965. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)242,15 p.,map. Apr.1966. 100 G293M

VALLE, C. G. DEL, and HARMON, S. A. Performance of yellow sweet corn varieties in south Georgia. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)246,8 p. Jan.1966. 100 G293M

BECKHAM, C. M. Storage effect of disulfoton and phorate on germination and emergence of cotton seed. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)250,6 p. Jan.1966. 100 G293M

GEORGIA AGRICULTURAL EXPERIMENT STATION. Serving Georgia through research; 1965 annual report. Athens, 1965. 102 p. 100 G293A

Hawaii Agricultural Experiment Station, Honolulu

HINE, R. B., HOLTZMANN, O. V., and RAABE, R. D. Diseases of Papaya (Carica papaya L.) in Hawaii. Hawaii. Agr. Exp. Sta. Bull. 136, 26 p. Ref. July 1965. 100 H313

HAWAIIAN SUGAR PLANTERS' ASSOCIATION. EXPERIMENT STATION. Annual report, 1965. Honolulu, 1965. 70 p. 100 H31R

Idaho Agricultural Experiment Station, Moscow

SCHAEFFER, R. J., and KLAGES, K. H. W. Nitrogen fertilizer improves quality of hard red winter wheat in eastern Idaho. Idaho. Agr. Coll. Ext. Bull. 461,19 p.,map. May 1966. 100 Id14

Illinois Agricultural Experiment Station, Urbana

ILLINOIS research 8(1),20 p. Winter 1966. 100 IL64

Indiana Agricultural Experiment Station, Lafayette

SCHALL, E. D., QUAKENBUSH, F. W., and CARTER, A. S. Inspection of agricultural and vegetable seeds. Ind. Agr. Exp. Sta. Insp. Rep. 58,50 p. Sept.1965. 280.39 In22

SCHALL, E. D., CARTER, A. S., and SHENBERGER, L. C. Inspection of legume inoculants and pre-inoculated seeds. Ind. Agr. Exp. Sta. Insp. Rep. 60,7 p. Jan.1966. 280.39 In22

GOULD, G. E. Control of soil insects affecting corn, 1951-1964. Ind. Agr. Exp. Sta. Res. Bull. 806,11 p. Ref. Jan.1966. 100 In2P

SMITH, W. H., and others. Zinc and calcium effects on the performance of finishing steers. Ind. Agr. Exp. Sta. Res. Progr. Rep. 209,5 p. Nov.1965. 100 In2Res

T. W. Perry, M. T. Mohler, R. B. Harrington, and W. M. Beeson, joint authors.

SUTER, R. C. Forage crops: harvesting. Ind. Agr. Exp. Sta. Res. Progr. Rep. 218,30 p. Ref. Apr.1966. 100 In2Res

PROBST, A. H., ATHOW, K. L., and LAVIOLETTE, F. A. Wayne soybean in Indiana. Ind. Agr. Exp. Sta. Res. Progr. Rep. 221,2 p. Feb. 1966. 100 In2Res

PATTERSON, F. L., and BITZER, M. J. Hybrid wheat research at Purdue University. Ind. Agr. Exp. Sta. Res. Progr. Rep. 222,4 p. Feb. 1966. 100 In2Res

BAUMAN, L. F., CRANE, P. L., and PURDY, J. 1965 performance trials of experimental dent corn hybrids. Ind. Agr. Exp. Sta. Res. Progr. Rep. 223,28 p. Feb.1966. 100 In2Res

PROBST, A. H., ATHOW, K. L., and LAVIOLETTE, F. A. Amsoy soybean. Ind. Agr. Exp. Sta. Res. Progr. Rep. 226,2 p. Mar.1966. 100 In2Res

BEESEON, W. M., and others. Nutritional value of high-lysine corn. Ind. Agr. Exp. Sta. Res. Progr. Rep. 227,8 p. Mar.1966. 100 In2Res

R. A. Pickett, E. T. Mertz, G. L. Cromwell, and O. E. Nelson, joint authors.

ASHMAN, R. B. 1965 hybrid popcorn performance trials. Ind. Agr. Exp. Sta. Res. Progr. Rep. 228,17 p. Mar.1966. 100 In2Res

HEATH, M. E., and KEIM, W. F. Zigzag clover (*Trifolium medium* L.), a promising rhizomatous, perennial legume on fragipan soils. Ind. Agr. Exp. Sta. Res. Progr. Rep. 234,2 p. Apr.1966. 100 In2Res

WILSON, L. L., and others. Individual identification of beef cows and calves at the southern Indiana Forage Farm. Ind. Agr. Exp. Sta. Res. Progr. Rep. 239,4 p. Apr.1966. 100 In2Res

K. Boller, K. MacDonald, K. Hawkins, and C. J. Kaiser, joint authors.

BEESEON, W. M., and PERRY, T. W. Formulating and feeding high urea supplements. Ind. Agr. Exp. Sta. Res. Progr. Rep. 249,6 p. Apr. 1966. 100 In2Res

GARRIGUS, R. R., JOHNSON, H. R., and JUDGE, M. D. Effects of feeding regime on steer body composition. Ind. Agr. Exp. Sta. Res. Progr. Rep. 252,4 p. Apr.1966. 100 In2Res

MARTIN, T. G., DOUGLASS, L. W., and GARWOOD, V. A. Growth and carcass characteristics of Angus bulls and steers. Ind. Agr. Exp. Sta. Res. Progr. Rep. 253,4 p. Apr.1966. 100 In2Res

PERRY, T. W., and BEESEON, W. M. Corn silage for fattening cattle. Ind. Agr. Exp. Sta. Res. Progr. Rep. 254,9 p. Apr.1966. 100 In2Res

Iowa Agricultural and Home Economics Experiment Station, Ames

IOWA farm science 20(8),20 p. Feb.1966. 275.28 Io94

IOWA farm science 20(9),20 p. Mar.1966. 275.28 Io94

Kansas Agricultural Experiment Station, Manhattan

CALL, L. E. Off-campus research by the Kansas Agricultural Experiment Station, 1887 to 1964. Kans. Agr. Exp. Sta. Bull. 484, 74 p.,map. Nov.1965. 100 K13S

MCKINNEY, R. D., and DAWES, S. Changes in a south-central Kansas trade area 1937-1960. Kans. Agr. Exp. Sta. Tech. Bull. 143,26 p. Nov.1965. 100 K13S

MCCOY, J. H., and WAKEFIELD, H. D. Economics of scale in farm cattle feedlots of Kansas—an analysis of nonfeed costs. Kans. Agr. Exp. Sta. Tech. Bull. 145,38 p. Jan.1966. 100 K13S

KANSAS, AGRICULTURAL EXPERIMENT STATION. Twenty-second biennial report of the Director for the biennium July 1, 1962 to June 30, 1964. Manhattan, 1965. 49 p. 100 K13S

Kentucky Agricultural Experiment Station, Lexington

BUXTON, J. W., and POPE, T. E. 1965 garden flower variety trials in Kentucky. Ky. Agr. Exp. Sta. Progr. Rep. 161,8 p. 1965. 100 K41Pr

SHANE, J. F. Results of the Kentucky sorgo performance test, 1965. Ky. Agr. Exp. Sta. Progr. Rep. 162,4 p. Feb.1966. 100 K41Pr

POUNDSTONE, B., and HUFFMAN, W. J. Commercial fertilizers in Kentucky, 1965, including a report on official fertilizer samples analyzed July-December, 1965. Ky Agr. Exp. Sta. Regulat. Bull. 189,23 p. Mar.1966. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

HERNANDEZ, T. P., and others. The value of irrigation in sweet potato production in Louisiana. La. Agr. Exp. Sta. Bull. 607,15 p. Dec.1965. 100 L93

T. P. Hernandez, J. C. Miller, and L. G. Jones, joint authors.

LOUISIANA, AGRICULTURAL EXPERIMENT STATION. Annual progress report, Red River Valley Agricultural Experiment Station. Bossier City, 1965. 64 p.,map. 100 L9333

Maine Agricultural Experiment Station, Orono

BISHOP, W. R., and SAUNDERS, R. F. Expanding the market for Maine blueberries. I. An analysis of the consumer market. Maine. Agr. Exp. Sta. Bull. 638,41 p. Jan.1966. 100 M28S

HUTCHINSON, F. E., and ARNO, J. R. Soil percolation rates for selected soil series in the urban fringe areas of Bangor and Portland, Maine. Maine. Agr. Exp. Sta. Misc. Publ. 671, 22 p. Ref. Dec.1965. 100 M28S

U. S. Department of Agriculture, cooperating.

- TREVETT, M. F., and MURPHY, H. J. 1966 chemical weed killers. Maine. Agr. Exp. Sta. Misc. Publ. 672,60 p. Jan.1966. 100 M28S
Published jointly with Maine Cooperative Extension Service.
- MURPHY, H. J., and others. Maine, New Hampshire, Vermont potato variety trials for 1965. Maine. Agr. Exp. Sta. Misc. Publ. 673, 34 p. Jan.1966. 100 M28S
M. J. Goven, R. V. Akeley, P. T. Blood, W. R. Kelley, and R. Jensen, joint authors.
- MAINE farm research 13(4),44 p. Jan.1966. 100 M28Ma

Massachusetts Agricultural Experiment Station, Amherst

- BABEU, R. G., and others. Forest owner characteristics and attitudes in Berkshire County, Massachusetts. Mass. Agr. Exp. Sta. Bull. 549,55 p. Nov.1965. 100 M38H
A. D. Rhodes, W. P. MacConnell, and J. H. Foster, joint authors.
- JOHNSON, E. A. Meteorological observations for March, 1966. Mass. Agr. Exp. Sta. Meteorol. Ser. Bull. 927,3 p. Mar.1966. 100 M38H
- MASSACHUSETTS. AGRICULTURAL EXPERIMENT STATION. Direct seeding in the Northeast; a symposium, Aug. 25-27, 1964. Amherst, 1965. 127 p. Ref. 99.9 M386

Michigan Agricultural Experiment Station, East Lansing

- HOFFNAR, B. R., and JOHNSON, G. L. Summary and evaluation of the cooperative agro-nomic-economic experimentation at Michigan State University, 1955-63. Mich. Agr. Exp. Sta. Res. Bull. 11,181 p. Ref. 1966. 100 M58R
- ALDRICH, P. J., and DOWNS, D. M. Palatability and yield of 46 classifications of mild cured hams. Mich. Agr. Exp. Sta. Res. Bull. 12,159 p. 1966. 100 M58R
- BRAKE, J. R. Financing Michigan farms project '80: rural Michigan now and in 1980. Mich. Agr. Exp. Sta. Res. Rep. 46,10 p. Mar.1966. 284.9 M58

Minnesota Agricultural Experiment Station, St. Paul Campus, St. Paul 1

- BAKER, D. G., and SWAN, J. B. Climate of Minnesota. IV. Spring soil temperatures. Minn. Agr. Exp. Sta. Misc. Rep. 67,11 p.,map. 1966. 100 M66
- NELSON, L., and DONOHUE, G. Social change in Goodhue County, 1940-65. Minn. Agr. Exp. Sta. Sta. Bull. 482,67 p.,map. 1966. 100 M66

Mississippi Agricultural Experiment Station, State College

- DOUGLAS, W. A., and MOORE, E. L. Chemical control of corn earworm [*Heliothis zea*] in large plantings of sweet corn, State College, Mississippi. Miss. Agr. Exp. Sta. Bull. 718, 8 p. Nov.1965. 100 M69
- HEAGLER, A. M., COOKE, F. T., and TRAMEL, T. E. The place of cow-calf enterprises in farming systems in the Yazoo-Mississippi Delta. Miss. Agr. Exp. Sta. Bull. 719, 16 p. Nov.1965. 100 M69

- BRIDGE, R. R., MEREDITH, W. R., and CHISM, J. F. Mississippi cotton variety tests, Delta and Hill section, 1965. Miss. Agr. Exp. Sta. Bull. 720,16 p. Jan.1966. 100 M69

- OVERCASH, J. P. Peach variety evaluation in Mississippi. Miss. Agr. Exp. Sta. Bull. 721, 10 p. Feb.1966. 100 M69

- MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 1966 crop and fertilizer recommendations for Mississippi. Miss. Agr. Exp. Sta. Bull. 722,28 p.,map. Feb.1966. 100 M69

- MISSISSIPPI. AGRICULTURAL EXPERIMENT STATION. 78th annual report. State College, 1965. 106 p. 100 M69

- MISSISSIPPI farm research 29(1),8 p. Jan. 1966. 100 M69Mi

- MISSISSIPPI farm research 29(2),8 p. Feb. 1966. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

- MCCROSKEY, S. E., FALLERT, R. F., and WHITTED, S. F. Changes in dairying; past and future trends, based on St. Louis marketing surveys. Mo. Agr. Exp. Sta. Bull. 844, 28 p. Feb.1966. 100 M693

- COLYER, D. Optimal organizations for representative farms in northwest Missouri. Mo. Agr. Exp. Sta. Res. Bull. 890,47 p.,map. Dec.1965. 100 M693

- BROOKER, D. B. Non-linear air flow patterns in grain drying systems. Mo. Agr. Exp. Sta. Res. Bull. 892,40 p. Aug.1965. 100 M693

- SCHROEDER, J. J., and HAGAN, A. R. Alternative systems of farming for a medium-size farm in central Missouri. Mo. Agr. Exp. Sta. Res. Bull. 897,51 p.,map. Ref. Sept.1965. 100 M693

- U. S. Department of Agriculture, Cooperating.

- MISSOURI. AGRICULTURAL EXPERIMENT STATION. Missouri commercial fertilizer inspection and analysis, 1964-65. Mo. Agr. Exp. Sta. SB843,42 p.,map. Dec.1965. 100 M693

Nevada Agricultural Experiment Station, Reno

- DREIER, A. F., OLSON, R. A., and GRABOU-SKI, P. H. Small grain fertilizer experiments in Nebraska, 1965. Nebr. Agr. Exp. Sta. Out-state Testing Circ. 121,44 p.,map. Feb.1966. 100 N270

New Jersey Agricultural Experiment Station, New Brunswick

- ANDERSON, J. C., and ADAMS, M. V. Performance of corn hybrids in New Jersey in 1965. N. J. Agr. Exp. Sta. Circ. 602-C,8 p. Apr.1966. 100 N46S

- NEW Jersey agriculture 47(5),16 p. Sept./Oct. 1965. 275.28 N46

- NEW Jersey agriculture 47(6),16 p. Nov./Dec. 1965. 275.28 N46

New Mexico Agricultural Experiment Station, University Park

- WATTS, J. G. Chirothrips falsus on black grama grass [*Bouteloua eriopoda*]. N. Mex. Agr. Exp. Sta. Bull. 499,20 p. Ref. 1965. 100 N46S

GRAY, J. R., and HENDERSON, D. C. Sources and uses of New Mexico's taxes and other revenues. N. Mex. Agr. Exp. Sta. Bull. 500,38 p. 1965. 100 N465

SULLIVAN, D. T., and ENZIE, J. V. Selected grape varieties on nematode-resistant rootstocks. N. Mex. Agr. Exp. Sta. Bull. 503,14 p. Ref. 1965. 100 N465

CHEN, D. Y., and LONG, R. B. Pump irrigation costs, Lea County. N. Mex. Agr. Exp. Sta. Res. Rep. 111,6 p. 1965? 100 N465R

GRAY, J. R., and GOLLEHON, R. G. County assessments of New Mexico agricultural property. N. Mex. Agr. Exp. Sta. Res. Rep. 113, 5 p.,map. Nov.1965. 100 N465R

NOUR, M., and CORGAN, J. N. Fertilizer experiments with vegetables in the Middle Rio Grande and Mesilla valleys. N. Mex. Agr. Exp. Sta. Res. Rep. 116,5 p. Nov.23,1965. 100 N465R

MALM, N. R., and others. Performance of sorghum hybrids, 1965. N. Mex. Agr. Exp. Sta. Res. Rep. 122,21 p. Feb.1966. 100 N465R
W. J. Russell, H. D. Jones, and C. E. Watson, joint authors.

New York (State) Agricultural Experiment Station,
Geneva

OSTERHOUDT, F. H., and CONKLIN, H. E. Renting of land by part-owner farmers in central New York. N. Y. (State) Agr. Exp. Sta. Bull. 1006,56 p.,map. Apr.1966. 100 N48

North Carolina Agricultural Experiment Station, State
College Station, Raleigh

TOBACCO abstracts 10(1):1-835. Jan.1965. 241 T55

North Dakota Agricultural Experiment Station, State
College Station, Fargo

SWALLERS, C. M., and others. Effects of stand reduction on performance of Norsoy soybeans. N. Dak. Agr. Exp. Sta. Res. Rep. 16, 14 p. Ref. Feb.1966. 100 N813R

R. E. Bothun, J. F. Carter, A. N. Hella, and T. E. Stoa, joint authors.

HAUGSE, C. N., and others. Effect of physical form of barley in rations for fattening pigs. N. Dak. Agr. Exp. Sta. Res. Rep. 17,13 p. Feb.1966. 100 N813R

W. E. Dinusson, D. O. Erickson, and D. W. Bolin, joint authors.

NORTH Dakota farm research 24(3),32 p. Jan./Feb.1966. 100 N813B

Ohio Agricultural Research and Development Center,
Wooster

MILLER, E. A., and HENNING, G. F. Suggested location of Ohio livestock markets to reduce total marketing costs. Ohio Agr. Res. Develop. Center. Res. Bull. 981,25 p.,map. Feb.1966. 100 Oh3S

NEISWANDER, R. B. Insect and mite pests of trees and shrubs. Ohio Agr. Res. Develop. Center. Res. Bull. 983,54 p. Ref. Mar.1966. 100 Oh3S

BROWN, J. D., and CRAVENS, M. E. Retail margins on tomatoes. Ohio Agr. Res. Develop. Center. Res. Bull. 984,21 p. Feb.1966. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

FRANZMANN, J. R., and KUNTZ, B. T. Economics of size in southwestern beef slaughter plants. Okla. Agr. Exp. Sta. Bull. B-648,35 p. Apr.1966. 100 Ok4

U. S. Department of Agriculture, cooperating. SCHOENLEBER, L. G., and PORTERFIELD, J. G. Factors affecting drying of unhulled castors and castor seed; a review of research. Okla. Agr. Exp. Sta. Process. Ser. P-526, 34 p. Apr.1966. 100 Ok4M

U. S. Department of Agriculture, cooperating. Not available for free distribution. Photocopies may be ordered from the Library.

JOHNSON, J. W., ABBOTT, D. C., and SCHLEHUBER, A. M. Results of tests with Joseph E. Danne wheats; progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-527,13 p. Feb.1966. 100 Ok4M

Not available for free distribution. Photocopies may be ordered from the Library.

ELDER, W. C., and TUCKER, B. B. Pasture management: grazing studies and forage crop fertility tests, biennial report of progress, 1964 and 1965. Okla. Agr. Exp. Sta. Process. Ser P-530,42 p. Mar.1966. 100 Ok4M

Oregon Agricultural Experiment Station, Corvallis

BOERSMA, L., and others. Progress of irrigation research on Willamette Valley soils. Oreg. Agr. Exp. Sta. Spec. Rep. 212,60 p. Apr.1966. 100 Or3M

G. O. Klock, T. L. Jackson, D. T. Westermann, H. J. Mack, W. Calhoun, W. H. Foote, W. Kronstad, D. G. Watts, and S. N. Miller, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

Pennsylvania Agricultural Experiment Station,
University Park

PENNSYLVANIA AGRICULTURAL EXPERIMENT STATION. Seventy-eighth annual report, July 1, 1964-June 30, 1965. Penn. Agr. Exp. Sta. Bull. 730,32 p. Mar.1966. 100 P381

Puerto Rico Agricultural Experiment Station, Rio Piedras

DAPORTA, M. R., BASHEROV, S., and CHAP-EL, A. G. Systems of management for egg production in Puerto Rico: a comparative evaluation of individual cages and several floor practices. P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 194,28 p. July 1965. 100 P83

AVILES CORDERO, M., and QUINTERO ALFARO, J. L. Cost of raising heifers for replacements on Puerto Rican dairy farms. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 196, 27 p. Sept.1965. 100 P83
English summary.

ROMAN, J. Nematodes of Puerto Rico, the genus *Helicotylenchus* Steiner, 1945 (Nematoda: Hoplolaiminae). P. R. (Rio Piedras) Agr. Exp. Sta. Tech. Pap. 41,23 p. Ref. Sept.1965. 100 P83T

South Carolina Agricultural Experiment Station, Clemson

PEELE, T. C. Irrigation and nitrogen response of Coastal and common Bermudagrass on Lakeland sand. S. C. Agr. Exp. Sta. Bull. 523,5 p. Nov.1965. 100 So8

South Dakota Agricultural Experiment Station, Brookings

HOVLAND, D., WESLEY, D. E., and THOMAS, J. Establishing vegetative cover to protect roadside soils in South Dakota. S. Dak. Agr. Exp. Sta. Bull. 527,31 p. Ref. Feb.1966. 100 So82

South Dakota Department of Highways, and U. S. Bureau of Public Roads, cooperating.

RILEY, M. P., and STEWART, J. R. The Hutterites: South Dakota's communal farmers. S. Dak. Agr. Exp. Sta. Bull. 530,31 p.,map. Feb.1966. 100 So82

WAELETTI, H., and MOE, D. L. The South Dakota pasture furrower. S. Dak. Agr. Exp. Sta. Bull. 532,15 p. Feb.1966. 100 So82

SOUTH DAKOTA. AGRICULTURAL EXPERIMENT STATION. 78th annual report to South Dakotans. S. Dak. Farm Home Res. 16(4),43 p.,map. Fall 1965. 100 So82S

SOUTH Dakota farm and home research 16(4), 43 p.,map. Fall 1965. 100 So82S

Tennessee Agricultural Experiment Station, Knoxville

UNDERWOOD, J. K. Tennessee weeds. Tenn. Agr. Exp. Sta. Bull. 393,113 p. May 1965. 100 T25S

TENNESSEE farm and home science; progress report 56,24 p. Oct./Dec.1965. 100 T25F

Texas Agricultural Experiment Station, College Station

HOLT, E. C. Effects of cultural and management practices on Sudangrass [*Sorghum sudanense* (Piper)] performance. Tex. Agr. Exp. Sta. B-1045,8 p. Dec.1965. 100 T31S

WIESE, A. F. Effect of tansy mustard [*Descurainia pinnata*] and 2,4-D on winter wheat. Tex. Agr. Exp. Sta. MP-782,8 p. Aug.1965. 100 T31M

WORKMAN, D. R., TEFERTILLER, K. R., and LEINWEBER, C. L. Profitability of aerial spraying to control mesquite. Tex. Agr. Exp. Sta. MP-784,12 p.,map. Sept.1965. 100 T31M

MCBEE, G. G., HOLT, E. C., and BROOKS, C. R. Evaluation of fungicides for control of brown patch disease of St. Augustinegrass, 1963 and 1964. Tex. Agr. Exp. Sta. Progr. Rep. PR-2382,4 p. Dec.10,1965. 100 T31P

LEHMAN, S. K., HAAS, R. H., and JETER, B. E. Control of macartney rose, *Rosa bracteata* Wendl., with aerial and ground application of picloram (4-amino-3,5,6-trichloropicolinic acid). Tex. Agr. Exp. Sta. Progr. Rep. PR-2383,9 p. Dec.10,1965. 100 T31P

DOROUGH, H. W., RANDOLPH, N. M., and WIMBISH, G. H. Imidan and trichlorfon residues on Coastal Bermudagrass. Tex. Agr. Exp. Sta. Progr. Rep. PR-2385,6 p. Dec.20, 1965. 100 T31P

RANDOLPH, N. M., and DOROUGH, H. W. Residues on grain sorghum sprayed with dimethoate, ethion, azinphosmethyl and methyl parathion. Tex. Agr. Exp. Sta. Progr. Rep. PR-2386,6 p. Dec.20,1965. 100 T31P

ADKISSON, P. L., and others. Low volume sprays of Guthion and Malathion for reducing diapausing boll weevil [*Anthonomus grandis*] populations. Tex. Agr. Exp. Sta. Progr. Rep. PR-2405,6 p. Feb.17,1966. 100 T31P
R. A. Bell, E. C. Berry, C. L. Cole, and S. J. Nemec, joint authors.

JOHNSON, P. R. Grasses for exposed subsoils in East Texas. Tex. Agr. Exp. Sta. Progr. Rep. PR-2406,4 p. Feb.17,1966. 100 T31P

HADDOX, T. E., ROSENOW, D. T., and MILLER, F. R. Performance of grain sorghum hybrids in the High Plains of Texas in 1965. Tex. Agr. Exp. Sta. Progr. Rep. PR-2407,13 p. Mar.14,1966. 100 T31P

Utah Agricultural Experiment Station, Logan

COOK, C. W., LEONARD, P. D., and BONHAM, C. D. Rabbitbrush [*Chrysothamnus* spp.] competition and control on Utah rangelands. Utah. Agr. Exp. Sta. Bull. 454,28 p. Ref. Sept.1965. 100 Ut1

Vermont Agricultural Experiment Station, Burlington

SINCLAIR, R. O., and TEFFT, F. S. Off-farm migration and farm consolidation in central Vermont, 1953-63. Vt. Agr. Exp. Sta. Bull. 647,52 p.,map. Ref. Dec.1965. 100 V59

Virginia Agricultural Experiment Station, Blacksburg

HAMMES, R. C., and others. The value of alfalfa-orchardgrass silage and hay cut at different maturities. Va. Agr. Exp. Sta. Bull. 567,14 p. Ref. Jan.1966. 100 V81S
R. E. Blaser, H. T. Bryant, J. P. Fontenot, and R. W. Engel, joint authors.

- CHAMBLISS, R. L., and HOEPNER, P. H. Farm organization and resource use in the cash-grain area of northeastern Virginia. Va. Agr. Exp. Sta. Bull. 571,64 p. Feb.1966. 100 V81S
- OBENSHAIN, S. S., PORTER, H. C., and RICH, C. I. Chemical, physical and clay mineralogical properties of Montgomery County, Virginia, soils. Va. Agr. Exp. Sta. Res. Rep. 105,87 p. Mar.1966. 100 V81R
- SCOTT, F. H., and others. Sweet potato variety trials—1965. Va. Agr. Exp. Sta. Res. Rep. 106,12 p. Feb.1966. 100 V81R
- F. W. Cooler, A. V. Watts, and E. M. Dunton, joint authors.
- SMEAL, P. L., and MAROUSKY, F. J. Annual flowers—1965 variety trials. Va. Agr. Exp. Sta. Res. Rep. 107,10 p. Apr.1966. 100 V81R

- PATRICK, H., EMERSON, R. E., and HYRE, H. M. Design and usage of a Cs137 gamma irradiator for breeding and physiological studies. W. Va. Agr. Exp. Sta. Bull. 518T,11 p. Dec. 1965. 100 W52
- ANDERSON, G. C., HEISHMAN, J. O., and WELCH, J. A. A comparison of several ant-helmintics for the control of internal parasites of sheep. W. Va. Agr. Exp. Sta. Bull. 519,24 p. Ref. Jan.1966. 100 W52
- WEST VIRGINIA AGRICULTURAL EXPERIMENT STATION. Science serves your farm and home [annual report]. W. Va. Agr. Exp. Sta. Bull. 520,16 p. Jan.1966. 100 W52
- KULOW, D. L. Elementary point-sampling. W. Va. Agr. Exp. Sta. Circ. 116,24 p. Dec. 1965. 100 W52

Washington Agricultural Experiment Stations, Pullman

- JENSEN, M. C., and MIDDLETON, J. E. Scheduling irrigation from pan evaporation. Wash. Agr. Exp. Sta. Circ. 386,rev.,13 p. Sept.1965. 100 W27S
- TURNER, D. O. Yield, longevity, and response to lime of certain grass and legume varieties on Nisqually loamy sand. Wash. Agr. Exp. Sta. Circ. 460,13 p. Jan.1966. 100 W27S
- ADVANCE. 3(1),5 p. Winter 1966. 100 W27A

West Virginia Agricultural Experiment Station, Morgantown

- LEACH, J. G., and ELLIOTT, E. S. Diseases of the iris in West Virginia and their control. W. Va. Agr. Exp. Sta. Bull. 509,18 p. June 1965. 100 W52

Wisconsin Agricultural Experiment Station, Madison

- KIMBALL, N. D. Costs and returns for large Wisconsin dairy herds. Wis. Agr. Exp. Sta. Bull. 579,18 p. Apr.1966. 100 W75
- U. S. Department of Agriculture, cooperating.
- WISCONSIN AGRICULTURAL EXPERIMENT STATION. What's new in farm science. Annual report [81st, 1963/1964], pt.2. Wis. Agr. Exp. Sta. Bull. 580,71 p.,map. Fall 1965. 100 W75
- COLYER, D., and PETERSON, G. A. Adjustments in dairy farming in western Wisconsin under alternative capital limitations. Wis. Agr. Exp. Sta. Res. Bull. 578,31 p. Feb.1966. 100 W75
- U. S. Department of Agriculture, cooperating.
- PRICE, W. V., OLSON, N. F., and GRIMSTAD, A. Vacuum treatments of cheese. Wis. Agr. Exp. Sta. Spec. Bull. 10,14 p. Dec.1965. 100 W75

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

ALABAMA - Auburn University, Agricultural Extension Service, Auburn

BELL, S. C., MADDOX, C. L., and DOUGHTY, S. R. Farm management guide to greater profits. Auburn Univ. Ext. Circ. S-4, rev., 54 p., map. June 1964. 275.29 A114Cs

ARIZONA University, Agricultural Extension Service, Tucson

TATE, H. F. Growing grapes in Arizona. Ariz. Univ. Ext. Bull. A-33, rev., 24 p. Mar. 1964. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

HUMPHREY, R. R. Forage production on Arizona ranges. III. Mohave County, a study in range condition. Ariz. Univ. Ext. Bull. A-34, 77 p. June 1964. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

HUMPHREY, R. R. Arizona range resources. II. Yavapai County, a study in range condition. Ariz. Univ. Ext. Bull. A-35, 55 p. Aug. 1964. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

STUBBLEFIELD, T. M., and SMITH, A. H. A survey of the production and marketing of cattle manure in Arizona. Ariz. Univ. Ext. Bull. A-36, 14 p. Sept. 1964. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

WELCHERT, W. T., and MCDOUGAL, J. N. How to make a plastered concrete water-storage tank. Ariz. Univ. Ext. Bull. A-41, 12 p. July 1965. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

FULLER, W. H., and RAY, H. E. Basic concepts of nitrogen phosphorus and potassium in calcareous soils. Ariz. Univ. Ext. Bull. A-42, 30 p. July 1965. 275.29 Ar42Bu

FULLER, W. H. Water, soil and crop management principles for the control of salts. Ariz. Univ. Ext. Bull. A-43, 22 p. Ref. Nov. 1965. 275.29 Ar42Bu

LANE, A. Horse feeding. Ariz. Univ. Ext. Circ. 288, 16 p. Aug. 1965. 275.29 Ar42

WEIK, S. L. Drying foods at home. Ariz. Univ. Ext. Circ. 289, 19 p. Oct. 1965. 275.29 Ar42

DOTY, C. Learning to share through play experiences. Ariz. Univ. Ext. Folder 109, 8 p. Sept. 1965. 275.29 Ar42Ext

MOORE, L. Methods of sampling feed for laboratory analysis. Ariz. Univ. Ext. Folder 119, 7 p. Dec. 1965. 275.29 Ar42Ext

CHURCH, H. L. Darning on a simple sewing machine. Ariz. Univ. Ext. Folder 121, 6 p. Jan. 1966. 275.29 Ar42Ext

ARIZONA UNIVERSITY, AGRICULTURAL EXTENSION SERV. Arizona Dairy Herd Improvement Association's annual summary, October, 1964-September, 1965, by W. R. Van Sant. Tucson, 1965. 32 p., map. 275.29 Ar42Ad

ARKANSAS University, Agricultural Extension Service, Little Rock

SEVERSEN, E. Plan your kitchen for efficiency, convenience and beauty. Ark. Univ. Ext. Circ. 495, rev., 14 p. Oct. 1965. 275.29 Ar4

SEVERSEN, E. Kitchen cabinet planning. Ark. Univ. Ext. Circ. 498, rev., 15 p. Nov. 1965. 275.29 Ar4

BARNES, G., and ROBERTS, J. E. Control peach borers. Ark. Univ. Ext. Leaflet. 91, rev., 4 p. Jan. 1966. 275.29 Ar4Le

MCDANIEL, M. C., and WALTERS, H. J. Soybean diseases and their control. Ark. Univ. Ext. Leaflet. 292, rev., 12 p.-folder. Jan. 1966. 275.29 Ar4Le

ALLEN, E. J. Vegetable gardens in Arkansas. Ark. Univ. Ext. Leaflet. 311, rev., 12 p.-folder. Feb. 1966. 275.29 Ar4Le

JOHNSON, J. S. When you buy wood furniture. Ark. Univ. Ext. Leaflet. 316, rev., 8 p.-folder. Nov. 1965. 275.29 Ar4Le

NESTER, R. P. Chemical weed control in field corn. Ark. Univ. Ext. Leaflet. 346, rev., 8 p.-folder. Mar. 1966. 275.29 Ar4Le

GUTHRIDGE, C. L. Fiber personalities and fabric care. Ark. Univ. Ext. Leaflet. 382, 8 p.-folder. Jan. 1966. 275.29 Ar4Le

ALLEN, E. J. Growing cucumbers for pickles. Ark. Univ. Ext. Leaflet. 384, 8 p.-folder. Feb. 1966. 275.29 Ar4Le

HALLMARK, R. B., and LUEKER, C. E. Leaders guide for 4-H horse program. Ark. Univ. Ext. Misc. Publ. 86, 12 p. Ref. May 1965. 275.29 Ar4Mi

CALIFORNIA University, Agricultural Extension Service, Berkeley

BROWN, L. N. Small earth dams. Calif. Univ. Agr. Ext. Circ. 467, rev., 24 p. Dec. 1965. 100 C12S

ZENTMYER, G. A., and others. Avocado diseases. Calif. Univ. Agr. Ext. Circ. 534, 11 p. July 1965. 100 C12S
A. O. Paulus, C. D. Gustafson, J. M. Wallace, and R. M. Burns, joint authors.

STORER, T. I., and JAMESON, E. W. Control of field rodents on California farms. Calif. Univ. Agr. Ext. Circ. 535, 50 p. Ref. July 1965. 100 C12S

THOR, E., and others. Root and tuber vegetables, production and market information. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-1, 73 p. Jan. 1966. 275.29 C12I

B. B. Burlingame, P. S. Parsons, M. J. Snyder, W. S. Seyman, R. C. King, O. A. Harvey, and H. F. Phelps, joint authors.
Giannini Foundation of Agricultural Economics, and California Agricultural Experiment Station, cooperating.

FLORIDA University, Agricultural Extension Service,
Gainesville

- HENDERSON, J. R., JONES, D. W., and STRAYER, J. R. Field corn production guide. Fla. Univ. Ext. Circ. 144C, 12 p. Jan. 1966. 275.29 F66C
- HENDERSON, J. R., and others. Peanut production guide. Fla. Univ. Ext. Circ. 145C, 12 p. Feb. 1966. 275.29 F66C
- J. R. Strayer, R. S. Mullin, and T. C. Skinner, joint authors.
- STRAYER, J. R. Pasture insect control. Fla. Univ. Ext. Circ. 292, 6 p.-folder. Jan. 1966. 275.29 F66C
- SAVAGE, Z. Thirty-three years of citrus costs and returns in Florida, 1931-1964. Fla. Univ. Ext. Econ. Ser. 66-2, 24 p., map. Mar. 1966. 275.29 F66Ag

GEORGIA University, College of Agriculture, Extension Service, Athens

- COLEMAN, V. R., and MCGLOHON, N. E. Georgia peach disease and insect control guide. Ga. Univ. Ext. Bull. 630, rev., 16 p. Jan. 1966. 275.29 G29B
- MCGLOHON, N. E., and HARRIS, E. D. Georgia apple disease and insect control guide. Ga. Univ. Ext. Bull. 643, rev., 12 p. Jan. 1966. 275.29 G29B
- JOHNSON, J. R., and others. Weed control in field crops, 1966. Ga. Univ. Ext. Circ. 408, rev., 12 p.-folder. Jan. 1966. 275.29 G29C
- J. F. McGill, W. H. Gurley, J. E. Jackson, W. H. Hogan, and J. F. Miller, joint authors.
- FRENCH, J. C. Tobacco insect control. Ga. Univ. Ext. Circ. 413, rev., 10 p.-folder. Jan. 1966. 275.29 G29C
- BARBER, J. M. Tomato production. Ga. Univ. Ext. Circ. 484, rev., 10 p.-folder. Dec. 1965. 275.29 G29C
- JORDAN, C. R., and FRENCH, J. C. Control cotton insects! Ga. Univ. Ext. Circ. 501, rev., 16 p. Feb. 1966. 275.29 G29C
- MCGILL, J. F. In a nutshell. Ga. Univ. Ext. Circ. 517, rev., 10 p.-folder, map. Feb. 1966. 275.29 G29C
- LIVINGSTON, R. L., and others. Weed control in horticultural crops, 1966. Ga. Univ. Ext. Circ. 544, rev., 8 p.-folder. Feb. 1966. 275.29 G29C
- J. M. Barber, C. D. Spivey, W. H. Hogan, and J. F. Miller, joint authors.
- WILLIAMS, T. G., and SMITH, G. E. Georgia lawns; establishment and maintenance. Ga. Univ. Ext. Circ. 642, rev., 20 p. Jan. 1966. 275.29 G29C
- COLEMAN, V. R. Control of some common pests of ornamental plants. Ga. Univ. Ext. Leaflet. 46, 8 p.-folder. Jan. 1966. 275.29 G29L
- GEORGIA UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Diseases of sweet potatoes. Ga. Univ. Ext. Leaflet. 47, 8 p.-folder. Jan. 1966. 275.29 G29L
- MCGLOHON, N. E. Leafspot diseases of turnip greens. Ga. Univ. Ext. Leaflet. 48, 7 p.-folder. Jan. 1966. 275.29 G29L
- GARRETT, W. N. Cotton seedling disease. Ga. Univ. Ext. Leaflet. 49, 10 p.-folder. Feb. 1966. 275.29 G29L
- GEORGIA UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Harvest all you grow—increase profits; good turnrows put more cotton in the picker basket. Ga. Univ. Ext. Leaflet. 50, 6 p.-folder. Feb. 1966. 275.29 G29L

IDAHO University, College of Agriculture, Extension Service, Moscow

- ROYLANCE, H. B. Growing premium quality malting barley. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 19, 2 p. Feb. 1966. 275.29 Id13Idc
- HIGGINS, R. E. Musk thistle [*Carduus nutans*] and its control. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 20, 2 p. Feb. 1966. 275.29 Id13Idc
- MCMASTER, G. M., and LARSEN, D. C. Irrigation of spring wheat. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 22, 4 p. Feb. 1966. 275.29 Id13Idc
- O'KEEFFE, L. E. Wireworm control, irrigated farming; 1966 recommendations for potatoes, sugar beets, beans and corn. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 24, 4 p. Mar. 1966. 275.29 Id13Idc
- MCKAY, H. C. Nitrogen boosts wheat protein and wheat profits. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 26, 2 p. Apr. 1966. 275.29 Id13Idc
- O'KEEFFE, L. E. 1966 controls for alfalfa weevil [*Hypera postical*]. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 27, 2 p. Apr. 1966. 275.29 Id13Idc

ILLINOIS University, Cooperative Extension Service in Agriculture and Home Economics, Urbana

- ILLINOIS UNIVERSITY, COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. 1966 suggested insecticide guide: insect control for livestock and livestock barns. Ill. Univ. Ext. Circ. 898, rev., 4 p. Jan. 1966. 275.29 IL62C
- Illinois Natural History Survey, cooperating.
- ILLINOIS UNIVERSITY, COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. 1966 suggested insecticide guides: insect control for field crops. Ill. Univ. Ext. Circ. 899, rev., 8 p. Jan. 1966. 275.29 IL62C
- Illinois Natural History Survey, cooperating.
- ILLINOIS UNIVERSITY, COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. Illinois fruit calendar for growers of apples, strawberries, peaches. Ill. Univ. Ext. Circ. 921, 12 p., map. Dec. 1965. 275.29 IL62C
- Illinois Natural History Survey, cooperating.
- COURTER, J. W., VANDEMARK, J. S., and ARNOLD, C. Y. Fertilizing greenhouse vegetables. Ill. Univ. Ext. Circ. 922, 4 p. Jan. 1966. 275.29 IL62C
- LAMBERT, R. J., and others. Performance of commercial corn hybrids in Illinois, 1963-1965. Ill. Univ. Ext. Circ. 923, 32 p., map. Jan. 1966. 275.29 IL62C
- W. D. Pardee, G. L. Ross, and K. E. Williams, joint authors.
- WASCHER, H., and REHNER, R. Soil associations of Jo Daviess County, Illinois. Ill. Univ. Ext. Circ. 927, 24 p., map. Feb. 1966. 275.29 IL62C
- CARBONNEAU, M. C. Flowering annuals for sun and shade. Ill. Univ. Ext. Circ. 930, 16 p. Mar. 1966. 275.29 IL62C

IOWA State University of Science and Technology, Cooperative Extension Service, Ames

- HIGGS, R. L., and others. The 1965 Iowa corn yield test. Iowa. State Univ. Ext. Res. Bull. P-136, 24 p., map. Feb. 1966. 100 Io9
- C. D. Hutchcroft, F. D. Williams, and M. T. Hillson, joint authors.
- Iowa Crop Improvement Association, and Iowa Agricultural Experiment Station, cooperating.

IOWA. STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY. COOPERATIVE EXTENSION SERV. Iowa Dairy Herd Improvement Associations, annual summary for the testing year, May, 1964 through April, 1965, by D. E. Voelker, H. H. Van Horn, R. E. Whitmore, and B. R. Eastwood. Ames, 1965. 43 p., map. 275.29 I09I

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

STARKEY, W. M. Refinishing furniture. Kans. State Univ. Ext. C-282, rev., 12 p. Nov. 1965. 275.29 K13Ex

COPPERSMITH, R. L. Producing and marketing feeder pigs. Kans. State Univ. Ext. C-349, 12 p. Dec. 1965. 275.29 K13Ex

CLEAVINGER, E. A., and others. Producing and feeding sorghum silage. Kans. State Univ. Ext. C-354, 16 p. Nov. 1965. 275.29 K13Ex
E. R. Bonewitz, H. W. Westmeyer, and C. B. Overley, joint authors.

SELF, E. W., MACNAB, M., and PURCHASE, M. E. Housecleaning handbook for young homemakers. Kans. State Univ. Ext. C-360, 32 p. Dec. 1965. 275.29 K13Ex

STOVER, H. E., and SELF, E. W. Lighting in your home. Kans. State Univ. Ext. C-361, 8 p. Nov. 1965. 275.29 K13Ex

AMSTEIN, W. G., and others. All-purpose spray schedule and fruit and nut varieties for Kansas, arranged in order of ripening. Kans. State Univ. Agr. Ext. L-50, rev., 4 p. Mar. 1966. 275.29 K13Le

C. R. Roberts, R. W. Campbell, F. B. Hadle, E. Eshbaugh, and C. L. King, joint authors.

RAISCH, R. D., and GALLAHER, H. G. Tree planting guide. Kans. State Univ. Agr. Ext. L-72, rev., 8 p.-folder. Jan. 1966. 275.29 K13Le

OSBURN, M. W. Guard against foot rot in cattle. Kans. State Univ. Agr. Ext. L-88, rev., 4 p. Jan. 1966. 275.29 K13Le

ANDERSON, E. A. Do you know what credit really costs? Kans. State Univ. Agr. Ext. L-188, 6 p.-folder. Dec. 1965. 275.29 K13Le

HOBBLE, D. Tantrums at two. Kans. State Univ. Agr. Ext. L-191, 6 p.-folder. Feb. 1966. 275.29 K13Le

HOBBLE, D. Does your child mind? Kans. State Univ. Agr. Ext. L-192, 6 p.-folder. Mar. 1966. 275.29 K13Le

KENTUCKY University, Agricultural Extension Service, Lexington

CORDER, G. D. Phosphorus in Kentucky soils: sources, fixation, release. Ky. Univ. Ext. Circ. 602, 10 p. June 1965. 275.29 K415

CZAJKOWSKI, J. M. Hawaiian foods and traditions. Ky. Univ. Ext. Circ. 603, 18 p. Sept. 1965. 275.29 K415

STACEY, J. K., and CHAPLIN, C. E. Reproducing fruit trees by grafting & budding. Ky. Univ. Ext. Circ. 604, 14 p. Nov. 1965. 275.29 K415

BARTLETT, M. Buying curtains. Ky. Univ. Ext. Leaflet. 281, 4 p. Jan. 1966. 275.29 K415Le

BARTLETT, M. Buying draperies. Ky. Univ. Ext. Leaflet. 285, 4 p. Jan. 1966. 275.29 K415Le

SMILEY, J. H., ATKINSON, W. O., and MASIE, I. E. Manganese toxicity in Burley tobacco. Ky. Univ. Ext. Leaflet. 286, 6 p.-folder. Feb. 1966. 275.29 K415Le

SCHEIDENHELM, E. C., WILK, J. C., and LABORE, D. E. Dairy cattle recommendations for 1966. Ky. Univ. Ext. Misc. 101-H, 8 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and THURSTON, R. 1966 insecticide recommendations for tobacco beds. Ky. Univ. Ext. Misc. 251-D, 1 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for lactating dairy animals. Ky. Univ. Ext. Misc. 256-D, 2 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for swine. Ky. Univ. Ext. Misc. 261-A, 1 p. Mar. 1966. 275.29 K415M

MILLER, R. L. 1966—insecticide recommendations dilution chart for tobacco fields. Ky. Univ. Ext. Misc. 270-D, 4 p. Mar. 1966. 275.29 K415M

MILLER, R. L. 1966—insecticide recommendations for field corn, small grains, grain sorghum, and bluegrass. Ky. Univ. Ext. Misc. 278-C, 2 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and PASS, B. C. 1966—insecticide recommendations for alfalfa, clover and soybeans. Ky. Univ. Ext. Misc. 279-C, 2 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and KNAPP, F. W. 1966—insecticide recommendations for beef animals. Ky. Univ. Ext. Misc. 280-C, 2 p. Mar. 1966. 275.29 K415M

MILLER, R. L., and RODRIGUEZ, J. G. 1966—insecticide recommendations for the home garden (including disease control recommendations). Ky. Univ. Ext. Misc. 286-C, 2 p. Mar. 1966. 275.29 K415M

MILLER, R. L. Making and using a cattle backrubber. Ky. Univ. Ext. Misc. 307-B, 4 p. Apr. 1966. 275.29 K415M

HERRON, J. W., POPE, T. E., and NEW, E. H. 1966—weed control recommendations for established bluegrass turf. Ky. Univ. Ext. Misc. 322-A, rev., 1 p. Feb. 1966. 275.29 K415M

TURNER, G. M. Proper use of milking equipment contributes to quality milk. 2. Vacuum lines. Ky. Univ. Ext. Misc. 333, 4 p. Feb. 1966. 275.29 K415M

TURNER, G. M. Proper use of milking equipment contributes to quality milk. 3. Milk lines for milking machines. Ky. Univ. Ext. Misc. 334, 4 p. Mar. 1966. 275.29 K415M

LOUISIANA State University and Agricultural and Mechanical College, Agricultural Extension Service, University Farm, Baton Rouge

KOCH, K. A. Simple parliamentary procedure. La. U. Agr. Ext. Ext. P. 1376, 12 p. Apr. 1964. 275.29 L93Ep

ODENWALD, N. Daylilies [Hemerocallis]. La. State Univ. Ext. Ext. Publ. 1427, 8 p. Apr. 1965. 275.29 L93Ep

GUILLORY, V. D., and HISSONG, C. S. Spending out of hand? You need a plan. La. State Univ. Ext. Ext. Publ. 1437, 9 p.-folder. Sept. 1965. 275.29 L93Ep

MOREAU, A. C., and MONTELARO, J. Louisiana shallots. La. State Univ. Ext. Ext. Publ. 1441, 12 p. Oct. 1965. 275.29 L93Ep

MARYLAND University, Cooperative Extension Service, College Park

BISSELL, T. L., and SWINK, N. Stop losses from rats and mice. Md. Univ. Ext. Fact Sheet 116, rev., 2 p. Dec. 1965. 275.29 M36Fa

CASON, J. L., and FELTON, K. E. Free-stall housing for dairy cattle. Md. Univ. Ext. Fact Sheet 176, 4 p. Jan. 1966. 275.29 M36Fa

MEADE, J. A. How to control Johnsongrass. Md. Univ. Ext. Fact Sheet 178,2 p. Jan.1966. 275.29 M36Fa

MARYLAND. UNIVERSITY. COOPERATIVE EXTENSION SERV. 1966 vegetable varieties for Maryland home gardens. Md. Univ. Ext. Leaflet. 15,rev.,6 p.-folder. Jan.1966. 275.29 M36EL

MARYLAND. UNIVERSITY. COOPERATIVE EXTENSION SERV. Weed control chart for vegetable crops. Md. Univ. Ext. Leaflet. 42,2 p. Jan.1966. 275.29 M36EL

MASSACHUSETTS University, Agricultural Extension Service, Amherst

FOSTER, J. H. The private outdoor recreation industry in Plymouth County, Massachusetts, 1963. Mass. Univ. Ext. Publ. 431,84 p.,map. Mar.1965. 275.29 M381L

MINNESOTA University, Agricultural Extension Service, St. Paul

TURNQUIST, O. C. 1966 vegetable varieties. Minn. Univ. Ext. Ext. Folder 154,16 p.,map. Feb.1966. 275.29 M66Ex

HOLADAY, L. Shortcuts in the home. Minn. Univ. Ext. Ext. Folder 188,rev.,8 p.-folder. Jan.1966. 275.29 M66Ex

OTTO, H. J., and others. Crop production guide for Minnesota. Minn. Univ. Ext. Ext. Pam. 194,rev.,chart,map. Dec.1965. 275.29 M66P

J. R. Justin, G. R. Miller, C. J. Overdahl, and L. D. Hanson, joint authors.

MIKESH, V. You and protein. Minn. Univ. Ext. Ext. Pam. 209,6 p.-folder. Jan.1966. 275.29 M66P

MIKESH, V. Stretching your protein dollar. Minn. Univ. Ext. Ext. Pam. 210,6 p.-folder. Jan.1966. 275.29 M66P

MIKESH, V. Protein-rich foreign foods. Minn. Univ. Ext. Ext. Pam. 211,6 p.-folder, map. Jan.1966. 275.29 M66P

BAIERL, T. Clothes and money. Minn. Univ. Ext. Ext. Pam. 212,6 p.-folder. Feb.1966. 275.29 M66P

BAIERL, T. Clothes and children. Minn. Univ. Ext. Ext. Pam. 213,6 p.-folder. Feb.1966. 275.29 M66P

BAIERL, T. Clothes and teens. Minn. Univ. Ext. Ext. Pam. 214,6 p.-folder. Feb.1966. 275.29 M66P

BAIERL, T. Clothes, today and tomorrow. Minn. Univ. Ext. Ext. Pam. 215,6 p.-folder. Feb.1966. 275.29 M66P

BATES, D. W. How to select and install electric fans for dairy stable ventilation. Minn. Univ. Ext. M-128,rev.,4 p. Dec.1965. 275.29 M66Ps

BATES, D. W. Free-stall housing for dairy cattle. Minn. Univ. Ext. M-138,rev.,8 p. Dec.1965. 275.29 M66Ps

BATES, D. W. How to plan your stall dairy barn. Minn. Univ. Ext. [Plan Sheet] M-132, rev.,6 p.-folder. Jan.1966. 275.29 M66Ps

RYAN, D. M. Open growing-finishing hog house; Number 1 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-133, rev.,4 p. Mar.1966. 275.29 M66Ps

RYAN, D. M. Slatted floors for hogs; Number 3 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-135,rev.,11 p. Feb.1966. 275.29 M66Ps

RYAN, D. M. Sow herd quarters and farrowing units; Number 4 of a series on housing for hogs. Minn. Univ. Ext. [Plan Sheet] M-136, rev.,11 p. Mar.1966. 275.29 M66Ps

MONTANA State College, Cooperative Extension Service, Bozeman

SAMMONS, R., and MYRICK, D. Montana's Commissioner of Insurance. Mont. State Coll. Ext. Folder 85,6 p.-folder. Dec.1965. 275.29 M76FoL

NEW JERSEY - Rutgers State University, College of Agriculture, Extension Service, New Brunswick

COTTRELL, C. M. Family business inventory and financial net worth record. Rutgers State Univ. Ext. Ext. Bull. 387,16 p. Jan.1966. 275.29 N46

GREER, P. B. Ready for school? Preschool growth and development. Rutgers State Univ. Ext. Leaflet. 189-A,4 p. Jan.1966. 275.29 N46L

INDYK, H. W., and ENGEL, R. E. Making a new lawn. Rutgers State Univ. Ext. Leaflet. 308-A,4 p. Feb.1966. 275.29 N46L

VASVARY, L. M. Chinch bugs [Blissus leucop-
terus hirtus]. Rutgers State Univ. Ext. Leaflet. 319-A,2 p. Mar.1966. 275.29 N46L

ADAMS, M. V. Field crop recommendations. Rutgers State Univ. Ext. Leaflet. 327-C,23 p. Feb.1966. 275.29 N46L

DAVIS, S. H., and RACE, S. R. Cucurbit pest control (cucumber, muskmelon, squash, and related crops). Rutgers State Univ. Ext. Leaflet. 331-B,4 p. Feb.1966. 275.29 N46L

DAVIS, S. H., and RACE, S. R. Sweet potato pest control. Rutgers State Univ. Ext. Leaflet. 335-A,3 p. Feb.1966. 275.29 N46L

RACE, S. R., and DAVIS, S. H. Potato pest control. Rutgers State Univ. Ext. Leaflet. 348-B, 4 p. Feb.1966. 275.29 N46L

GREER, P. B. Developmental tasks of youth. Rutgers State Univ. Ext. Leaflet. 363-A,4 p. Mar.1966. 275.29 N46L

JOHNSON, W. B. Recommendations for asparagus growers. Rutgers State Univ. Ext. Leaflet. 400,3 p. Dec.1965. 275.29 N46L

LENTZ, A. N., and PORCELLA, S. Build an outdoor classroom for your school. Rutgers State Univ. Ext. Leaflet. 401,8 p.-folder. Jan. 1966. 275.29 N46L

RACE, S. R., and SPRINGER, J. K. Pest control recommendations for home orchards. Rutgers State Univ. Ext. Spray Cal. 90-C,8 p. Mar.1966. 275.29 N46Sp

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

SMITH, R. S. Insurance for the farm business. Cornell Univ. Ext. Cornell Ext. Bull. 1003,rev., 30 p. Apr.1966. 275.29 N48E

SMITH, R. S. Incorporation of the farm business. Cornell Univ. Ext. Cornell Ext. Bull. 1016,rev.,19 p. Nov.1965. 275.29 N48E

FOX, R. T. How to make a terrarium. Cornell Univ. Ext. Cornell Ext. Bull. 1029,4 p. Dec. 1965. 275.29 N48E

CORNELL UNIVERSITY. STATE COLLEGE OF AGRICULTURE. EXTENSION SERV. Introduction to home gardening. Cornell Univ. Ext. Cornell Ext. Bull. 1049,rev.,16 p. Apr.1966. 275.29 N48E

WIEGAND, E. Facts about floor care. Cornell Univ. Ext. Cornell Ext. Bull. 1157,8 p. Feb. 1966. 275.29 N48E

SANDSTED, R. F. Commercial snap bean production in New York State. Cornell Univ. Ext. Cornell Ext. Bull. 1163,30 p.,map. Apr.1966. 275.29 N48E

CLINE, M. G., and BLOOM, A. L. Soil survey of Cornell University property and adjacent areas. Cornell Univ. Ext. Cornell Misc. Bull. 68,31 p.,map. Dec.1965. 275.29 N48Cm

NORTH CAROLINA University, Extension Service,
State College Station, Raleigh

CHRISTIAN, J. A., and BLUMER, T. N. Curing hams, country style. N. C. Univ. Ext. Ext. Circ. 405,rev.,17 p. Nov.1965. 275.29 N811

MARTIN, G. A., MILLS, W. C., and HARRIS, J. R. North Carolina started pullets. N. C. Univ. Ext. Ext. Circ. 467,6 p.-folder. Jan. 1966. 275.29 N811

RAKES, A. H., and PARSONS, G. S. Urea in dairy rations. N. C. Univ. Ext. Folder 247, 6 p. Jan.1966. 275.29 N811Ex

BLACK, J. Sources of color schemes. N. C. Univ. Ext. Home Econ. 29,2 p. Feb.1966. 275.29 N811Hom

OHIO State University, Cooperative Extension Service,
Columbus

MILNER, R. Grain transportation in Ohio. Ohio. State Univ. Ext. Bull. 468,8 p.,map. Nov. 1965. 275.29 Oh32

BROOKS, W. M., and WITTMAYER, E. C. 1966 vegetable varieties and hybrids for Ohio home gardens. Ohio. State Univ. Ext. Leaflet. L-100, 4 p. Dec.1965. 275.29 Oh32EL

OKLAHOMA State University of Agriculture and Applied
Science, Agricultural Extension Service, Stillwater

CLARK, L., and BURGESS, C. Choosing and using your automatic washer. Okla. State Univ. Ext. Circ. E-775,16 p. Mar.1966. 275.29 Ok41C

CLARK, L., and BURGESS, C. Choosing and using your automatic clothes dryer. Okla. State Univ. Ext. Circ. E-776,12 p. Apr.1966. 275.29 Ok41C

CLARK, L. Choosing and using portable lamps. Okla. State Univ. Ext. Leaflet. E-773,15 p. Feb. 1966. 275.29 Ok41C

OREGON State University, Federal Cooperative Extension Service, Corvallis

DUNCAN, A. A. Farm and home vegetable garden. Oreg. State Univ. Ext. Ext. Bull. 614, rev.,8 p.-folder. Mar.1966. 275.29 Or32B

JONES, S. C., and others. 1966 spray program for stone fruits in Oregon. Oreg. State Univ. Ext. Ext. Circ. 675,rev.,23 p. Feb.1966. 275.29 Or32C

R. W. Every, I. MacSwan, N. D. Dobie, and H. R. Cameron, joint authors.

JONES, S. C., and others. 1966 spray program for apples and pears in the Willamette Valley. Oreg. State Univ. Ext. Ext. Circ. 677,rev.,20 p. Feb.1966. 275.29 Or32C

R. W. Every, I. MacSwan, N. D. Dobie, and H. R. Cameron, joint authors.

OREGON. STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. Don't be "taken in." Questions and answers about Oregon's new consumer protection law. Oreg. State Univ. Ext. Ext. Circ. 730,8 p.-folder. Mar.1966. 275.29 Or32C

GOULDING, R. L., and EVERY, R. W. Control of external parasites of sheep. Oreg. State Univ. Ext. Ext. Circ. 731,8 p.-folder. Mar. 1966. 275.29 Or32C

OREGON. STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. 1966 weed control recommendations for commercial vegetable crops. Oreg. State Univ. Ext. FS 6, rev.,2 p. Mar.1966. 275.29 Or36

OREGON. STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. 1966 weed control recommendations for fruit crops. Oreg. State Univ. Ext. FS 7,rev.,2 p. Mar. 1966. 275.29 Or36

SHEARER, M. N., and KING, A. S. Trends and anticipated changes in water-use practices for irrigation in the Willamette Valley. Oreg. State Univ. Ext. Spec. Rep. 197,69 p. Ref. Nov. 1965. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

PENNSYLVANIA State University, Colleges of Agriculture and Home Economics, Extension Service, University Park

PORTER, C. W. An agri-business summary for Pennsylvania. Penn. State Univ. Ext. Farm Econ., Mar.1966,4 p. 275.28 P38

RHODE ISLAND University, Extension Service in Agriculture and Home Economics, Kingston

SLOAN, R. P., SARGENT, J. E., and SARGENT, L. B. Christmas trees, a cash crop. R. I. Univ. Agr. Ext. Bull. 188,24 p.,map. Sept.1965. 275.29 R34

On cover: Cooperative Extension Service, University of New Hampshire.

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

HERRICK, E. L. Good posture for good health. Clemson Univ. Ext. Circ. 221,rev.,4 p. June 1965. 275.29 So8E

KING, W. A., and O'DELL, W. T. Dairy concentrate mixtures. Clemson Univ. Ext. Circ. 427,rev.,8 p. July 1965. 275.29 So8E

ALLEN, L. R. The 1965 cotton contest for higher quality and maximum yields. Clemson Univ. Ext. Circ. 467,rev.,23 p.,map. Jan.1966. 275.29 So8E

ROGERS, H. V., and FERREE, R. J. 1966 fertilizer recommendations for South Carolina. Clemson Univ. Ext. Circ. 476,rev.,19 p. Oct. 1965. 275.29 So8E

HALL, C. W. Growing Christmas trees in South Carolina. Clemson Univ. Ext. Circ. 500,14 p. Sept.1965. 275.29 So8E

ROGERS, H. V., and NOLAN, C. N. Produce top quality high yields in 1966. Clemson Univ. Ext. Cotton Leaflet. 1,6 p.-folder. Feb.1966. 275.29 So86C

FERREE, R. J., and NETTLES, W. C. Summer spray schedule for peaches. Clemson Univ. Ext. Inform. Card 72,rev.,2 p. Mar.1966. 275.29 So8I

- NETTLES, W. C., THOMAS, C. A., and BENTON, D. A. Tobacco insect control recommendations for 1966. Clemson Univ. Ext. Inform. Card 82, rev., 11 p. Feb. 1966. 275.29 So8I
- NETTLES, W. C., and SPARKS, L. M. Cotton insect control recommendations, South Carolina, 1966. Clemson Univ. Ext. Inform. Card 97, rev., 20 p. Mar. 1966. 275.29 So8I
- ROGERS, H. V. 1966 spring planting schedule, major South Carolina field crops. Clemson Univ. Ext. Inform. Card 107, rev., chart. Jan. 1966. 275.29 So8I
- ROGERS, H. V., and NOLAN, C. N. Plan to make high corn yields. Clemson Univ. Ext. Inform. Card 113, 1 p. Mar. 1966. 275.29 So8I
- ROCHESTER, M. C., and WILLIAMON, P. S. The 1966 agricultural outlook for South Carolina. Clemson Univ. Ext. Misc. Circ., Dec. 1965, 6 p.-folder. 275.29 So8M

SOUTH DAKOTA State University, Cooperative Extension Service, Brookings

- LUND, L. O., and SIVERS, C. R. Selecting rugs and carpets. S. Dak. State Univ. Ext. FS 288, 4 p. Dec. 1965. 275.29 So85Fs
- BERNDT, W. L., KANTACK, B. H., and BONZER, B. Poultry pest control. S. Dak. State Univ. Ext. FS 289, 4 p. Dec. 1965. 275.29 So85Fs
- KONRAD, D. Acidizing the irrigation well. S. Dak. State Univ. Ext. FS 290, 4 p. Jan. 1966. 275.29 So85Fs
- DERSCHEID, L. A., RUMBAUGH, M. D., and MOORE, R. A. Interseeding for pasture improvement. S. Dak. State Univ. Ext. FS 295, 6 p.-folder. Jan. 1966. 275.29 So85Fs
- PRASHAR, P., and MARTIN, D. Selected list, 1966 vegetable varieties for South Dakota. S. Dak. State Univ. Ext. FS 296, 6 p.-folder. Jan. 1966. 275.29 So85Fs
- DERSCHEID, L. A., ROSS, J. G., and MOORE, R. A. Native grasses for pasture or hay. S. Dak. State Univ. Ext. FS 298, 4 p. Feb. 1966. 275.29 So85Fs
- DERSCHEID, L. A., ROSS, J. G., and MOORE, R. A. Tame grasses for pasture or hay. S. Dak. State Univ. Ext. FS 299, 6 p.-folder. Feb. 1966. 275.29 So85Fs
- SANDERSON, E. E., and WOOD, L. S. Barley production in South Dakota. S. Dak. State Univ. Ext. FS 301, 6 p.-folder. Feb. 1966. 275.29 So85Fs
- FROST, K. R., DERSCHIED, L. A., and WRIGHT, W. G. Weed control in sorghum. S. Dak. State Univ. Ext. FS 304, 4 p. Feb. 1966. 275.29 So85Fs
- FROST, K. R., DERSCHIED, L. A., and WRIGHT, W. G. Weed control in corn. S. Dak. State Univ. Ext. FS 305, 6 p.-folder. Feb. 1966. 275.29 So85Fs
- DERSCHEID, L. A., FROST, K. R., and WRIGHT, W. G. Control & elimination of field bindweed [*Convolvulus arvensis*]. S. Dak. State Univ. Ext. FS 306, 4 p. Mar. 1966. 275.29 So85Fs

UTAH State University, Agricultural Extension Service, Logan

- KNOWLTON, G. F., and ROBERTS, R. S. Use pesticides safely in and about the home. Utah. State Univ. Ext. Entomol. Mimeo Ser. 52, rev., 1 p. Jan. 1966. 275.29 Ut1En

- KNOWLTON, G. F. Insecticides; safety precautions. Utah. State Univ. Ext. Entomol. Mimeo Ser. 71, 1 p. Jan. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Canning crops grower's field report of chemical pesticide application. Utah. State Univ. Ext. Entomol. Mimeo Ser. 72, 1 p. Jan. 7, 1966. 275.29 Ut1En
- KNOWLTON, G. F. Aphid control. Utah. State Univ. Ext. Entomol. Mimeo Ser. 74, 2 p. Jan. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Spider mite control on ornamentals. Utah. State Univ. Ext. Entomol. Mimeo Ser. 77, 2 p. Jan. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Control shrub insects and mites. Utah. State Univ. Ext. Entomol. Mimeo Ser. 79, 2 p. Jan. 1966. 275.29 Ut1En
- KNOWLTON, G. F., and JENSEN, L. A. Use only safest pesticides about the home. Utah. State Univ. Ext. Entomol. Mimeo Ser. 83, rev., 3 p. Feb. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Range entomology, an important problem of the West. Utah. State Univ. Ext. Entomol. Mimeo Ser. 84, 5 p. Feb. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Beet leafhopper outlook for 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 85, 1 p. Feb. 23, 1966. 275.29 Ut1En
- KNOWLTON, G. F. A simple spreading board for insects. Utah. State Univ. Ext. Entomol. Mimeo Ser. 86, 2 p. Feb. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Making an insect net; 4-H entomology. Utah. State Univ. Ext. Entomol. Mimeo Ser. 87, 1 p. Apr. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Insect control on dairy cattle. Utah. State Univ. Ext. Entomol. Mimeo Ser. 88, 2 p. Mar. 8, 1966. 275.29 Ut1En
- KNOWLTON, G. F. Termites and ants. Utah. State Univ. Ext. Entomol. Mimeo Ser. 89, 1 p. Mar. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Face fly [*Musca autumnalis*] control on horses. Utah. State Univ. Ext. Entomol. Mimeo Ser. 91, 1 p. Mar. 1966. 275.29 Ut1En
- KNOWLTON, G. F. Potato psyllid [*Paratrioza cockerelli*] outlook for 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 92, 1 p. Mar. 30, 1966. 275.29 Ut1En

VERMONT University, Agricultural Extension Service, Burlington

- VERMONT. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Vermont Dairy Herd Improvement Associations, annual report, 1965. Burlington, 1966? 27 p. 43.9 V593

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

- AMOS, J. M. Beekeeping in Virginia. Va. Polytech. Inst. Ext. Bull. 178, rev., 36 p. Aug. 1965. 275.29 V81B
- HOLCOMB, C. J., and MCELFRISH, W. A. Forestry in Virginia. Va. Polytech. Inst. Ext. Bull. 223, rev., 31 p. Dec. 1965. 275.29 V81B
- PORTER, H. C., and MITCHELL, W. G. Soils for homesites. Va. Polytech. Inst. Ext. Bull. 295, 17 p. Nov. 1965. 275.29 V81B
- EPPELSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Appalachian Region of Virginia. Va. Polytech. Inst. Ext. Bull. 299, 24 p. Apr. 1966. 275.29 V81B
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of beef cattle. Va. Polytech. Inst. Ext. Circ. 980, 4 p. Jan. 1966. 275.29 V81C

- ROWELL, J. O. 1966 insecticide recommendations: external parasites of dairy cattle. Va. Polytech. Inst. Ext. Circ. 983,4 p. Jan.1966. 275.29 V81C
- CHAFIN, D. G., REYNOLDS, R. K., and LOOPE, K. E. Livestock farm business summary, 1964. Va. Polytech. Inst. Ext. Circ. 986, 25 p.,map. Oct.1965. 275.29 V81C
- AMOS, J. M. Insecticide recommendations: insects of deciduous trees and shrubs. Va. Polytech. Inst. Ext. Circ. 987,4 p. Jan.1966. 275.29 V81C
- VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Making a home for wildlife on the land. Va. Polytech. Inst. Ext. Circ. 988,16 p. Oct.1965. 275.29 V81C
- BLUME, G. T. Meeting agenda & check sheet. Va. Polytech. Inst. Ext. Circ. 989,8 p. Nov. 1965. 275.29 V81C
- RUSSELL, G. E. Total resource development in Virginia; a guide for planning and action. Va. Polytech. Inst. Ext. Circ. 990,15 p. Dec. 1965. 275.29 V81C
- VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. 1966 insecticide recommendations: pesticides are poisonous. Va. Polytech. Inst. Ext. Circ. 991, 4 p. Jan.1966. 275.29 V81C
- ROWELL, J. O. 1966 insecticide recommendations: insect pests of farm-stored grains. Va. Polytech. Inst. Ext. Circ. 992,4 p. Jan.1966. 275.29 V81C
- ROWELL, J. O. 1966 insecticide recommendations: household insect pests. Va. Polytech. Inst. Ext. Circ. 993,8 p. Jan.1966. 275.29 V81C
- BINGHAM, S. W. 1966 herbicide recommendations: weeds of woody nursery stock. Va. Polytech. Inst. Ext. Circ. 994,4 p. Jan.1966. 275.29 V81C
- BINGHAM, S. W., and KATES, A. H. 1966 herbicide recommendations: weeds of turf (bluegrass, fescue, Bermudagrass, and bentgrass). Va. Polytech. Inst. Ext. Circ. 995,4 p. Jan.1966. 275.29 V81C
- STERRETT, J. P. 1966 herbicide recommendations: control of woody plants. Va. Polytech. Inst. Ext. Circ. 996,4 p. Jan.1966. 275.29 V81C
- HABEL, K. L. So you're going to decorate. Va. Polytech. Inst. Ext. Circ. 997,9 p. Feb. 1966. 275.29 V81C
- CHAPPELL, W. E. 1966 herbicide recommendations: non-selective control of perennial weeds. Va. Polytech. Inst. Ext. Circ. 999,4 p. Feb.1966. 275.29 V81C
- ROLLINS, H. A. An apple fence. Va. Polytech. Inst. Ext. Circ. 1000,4 p. Feb.1966. 275.29 V81C
- KATES, A. H. 1966 herbicide recommendations: weeds in lakes and farm ponds. Va. Polytech. Inst. Ext. Circ. 1003,4 p. Feb.1966. 275.29 V81C
- SHOULDERS, J. F. Pearl millet, sudangrass, sudangrass-sorghum hybrids for summer forage. Va. Polytech. Inst. Ext. Leaflet. 1,rev.,2 p. Mar.1966. 275.29 V81L
- SHOULDERS, J. F. Reseed ladino clover in tall-grass pasture. Va. Polytech. Inst. Ext. Leaflet. 21,rev.,2 p. Mar.1966. 275.29 V81L
- AMOS, J. M. Red spider mites, red mites, or plant mites. Va. Polytech. Inst. Ext. Leaflet. 148,2 p. Jan.1966. 275.29 V81L
- VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Alfalfa seeding suggestions. Va. Polytech. Inst. Ext. Leaflet. 178,rev.,2 p. Feb.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of sheep. Va. Polytech. Inst. Ext. Leaflet. 193,2 p. Jan.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of swine. Va. Polytech. Inst. Ext. Leaflet. 194,2 p. Jan.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of horses. Va. Polytech. Inst. Ext. Leaflet. 195,2 p. Jan.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of poultry. Va. Polytech. Inst. Ext. Leaflet. 196,2 p. Jan.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: external parasites of dogs and cats. Va. Polytech. Inst. Ext. Leaflet. 197,2 p. Jan.1966. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: flies and their breeding places. Va. Polytech. Inst. Ext. Leaflet. 198,2 p. Jan.1966. 275.29 V81L
- GRUENHAGEN, R. H. Fungicide recommendations: diseases of deciduous trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 206,2 p. Jan.1966. 275.29 V81L
- GRUENHAGEN, R. H. Fungicide recommendations: diseases of evergreen trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 207, 2 p. Jan.1966. 275.29 V81L
- GRUENHAGEN, R. H. Fungicide recommendations: diseases of herbaceous annuals and perennials. Va. Polytech. Inst. Ext. Leaflet. 208, 2 p. Jan.1966. 275.29 V81L
- COUCH, H. B., and WILLIAMS, A. S. Fungicide and nematocide recommendations: diseases of turfgrasses. Va. Polytech. Inst. Ext. Leaflet. 209,2 p. Jan.1966. 275.29 V81L
- AMOS, J. M. Insecticide recommendations: insects of evergreen trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 210,2 p. Jan.1966. 275.29 V81L
- AMOS, J. M. Insecticide recommendations: insects of herbaceous annuals and perennials. Va. Polytech. Inst. Ext. Leaflet. 211,2 p. Jan. 1966. 275.29 V81L
- AMOS, J. M. Insecticide recommendations: insect pests of turfgrasses. Va. Polytech. Inst. Ext. Leaflet. 212,2 p. Jan.1966. 275.29 V81L
- VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Labor management on the farm. Va. Polytech. Inst. Ext. Leaflet. 214,8 p.-folder. Dec.1965. 275.29 V81L
- SETTLE, M. B. To own or rent a home. Va. Polytech. Inst. Ext. Leaflet. 215,3 p. Dec.1965. 275.29 V81L
- ROWELL, J. O. 1966 insecticide recommendations: household insect pests. Va. Polytech. Inst. Ext. Leaflet. 216,2 p. Jan.1965. 275.29 V81L
- BINGHAM, S. W., and KATES, A. H. 1966 herbicide recommendations: control of annual weeds in flower beds. Va. Polytech. Inst. Ext. Leaflet. 217,2 p. Jan.1966. 275.29 V81L
- KATES, A. H. 1966 herbicide recommendations: soil sterilization. Va. Polytech. Inst. Ext. Leaflet. 218,2 p. Feb.1966. 275.29 V81L
- VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Recommendations to reduce losses from leukosis. Va. Polytech. Inst. Ext. Leaflet. 219,4 p. Mar.1966. 275.29 V81L
- WEST VIRGINIA University, College of Agriculture, Extension Service, Morgantown
- PHILLIPS, R. A. A low-cost hydraulic cylinder. W. Va. Agr. Expt. Sta. B. 493T,9 p. May 1964. 100 W52
Northeast Regional Project.

WISCONSIN University, College of Agriculture, Extension Service, Madison

ROHWEDER, D. A. Forage crop varieties and seeding mixtures for 1966. Wis. Univ. Ext. Circ. 463, rev., 15 p. Feb. 1966. 275.29 W75C

HALL, R. E. TGE transmissible gastroenteritis in Wisconsin. Wis. Univ. Ext. Circ. 649, 6 p.-folder. Feb. 1966. 275.29 W75C

YANGGEN, D. A., and others. So you're planning on moving to the country; hints on selecting a homesite. Wis. Univ. Ext. Circ. 650, 8 p. Feb. 1966. 275.29 W75C

M. T. Beatty, W. A. Rowlands, T. J. Brevik, and G. A. Ziegler, joint authors.

WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. 1966 chemical weed control for fruit crops: apples, grapes, cherries, raspberries, strawberries. Wis. Univ. Ext. Spec. Circ. 38, rev., 8 p.-folder. Jan. 1966. 275.29 W75S

GOJMERAC, W. L. Keep milk safe; control flies with safe sprays. Wis. Univ. Ext. Spec. Circ. 59, rev., 8 p.-folder. Jan. 1966. 275.29 W75S

BOUSH, G. M., and others. 1966 apple disease and insect control. Wis. Univ. Ext. Spec. Circ. 101, 7 p.-folder. Jan. 1966. 275.29 W75S

J. D. Moore, C. F. Koval, and E. K. Wade, joint authors.

BOUSH, G. M., and others. 1966 cherry disease and insect control. Wis. Univ. Ext. Spec. Circ. 102, 7 p.-folder. Jan. 1966. 275.29 W75S

J. D. Moore, C. F. Koval, and E. K. Wade, joint authors.

BOUSH, G. M., and others. 1966 strawberry disease and insect control. Wis. Univ. Ext. Spec. Circ. 103, 7 p.-folder. Jan. 1966. 275.29 W75S

D. M. Boone, C. F. Koval, and E. K. Wade, joint authors.

APPLE, J. W., and GOJMERAC, W. L. 1966 insect control; livestock, poultry, household, field crops, pets. Wis. Univ. Ext. Spec. Circ. 113, rev., 18 p. Jan. 1966. 275.29 W75S

WYOMING University, College of Agriculture, Extension Service, Laramie

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Automotive program; Unit record book. Wyo. Univ. Ext. [4-H Club. Circ.] AU-5a, 8 p. July 1965. 275.29 W99Fc

SCHOONOVER, C. O., and others. Wyoming 4-H beef cattle handbook. Wyo. Univ. Ext. [4-H Club. Circ.] B-5, 40 p. Oct. 1965. 275.29 W99Fc

C. Kercher, B. Swift, and R. Pfadt, joint authors.

BUTCHER, C. L. Beautification of home grounds. Wyo. Univ. Ext. [4-H Club. Circ.] BHG-5, 91 p. Feb. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Beautification of home grounds; record book, Units I, II, III, IV. Wyo. Univ. Ext. [4-H Club. Circ.] BHG-5a, 10 p. Nov. 1965. 275.29 W99Fc

AGEE, D. E. Career exploration—Unit B: exploring opportunities in farming or ranching. Wyo. Univ. Ext. [4-H Club. Circ.] C-10, 19 p. Ref. Nov. 1965. 275.29 W99Fc

AGEE, D. E. Career exploration record book—Unit B: exploring opportunities in farming or ranching. Wyo. Univ. Ext. [4-H Club. Circ.] C-10a, 21 p. Oct. 1965. 275.29 W99Fc

HYDE, R. M. Civil defense leader's guide. Wyo. Univ. Ext. [4-H Club. Circ.] CD-6, 19 p. Ref. Apr. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming clothing leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] CL-6, 55 p. Mar. 1965. 275.29 W99Fc

CROFT, J. A strike for better wardrobe planning. Wyo. Univ. Ext. [4-H Club. Circ.] Cl-40, 27 p. Apr. 1965. 275.29 W99Fc

COCHRANE, E. J., and WALTON, W. The round up: foods and nutrition IV. Wyo. Univ. Ext. [4-H Club. Circ.] F-20, 49 p. Nov. 1965. 275.29 W99Fc

COCHRANE, E. J., and WALTON, W. The round up leaders' guide: foods and nutrition IV. Wyo. Univ. Ext. [4-H Club. Circ.] F-21, 8 p. Oct. 1965. 275.29 W99Fc

COCHRANE, E. J., and WALTON, W. Commencement for life: foods-nutrition V. Wyo. Univ. Ext. [4-H Club. Circ.] F-25, 46 p. Sept. 1965. 275.29 W99Fc

COCHRANE, E. J., and WALTON, W. Commencement for life leaders' guide: foods-nutrition V. Wyo. Univ. Ext. [4-H Club. Circ.] F-26, 9 p. July 1965. 275.29 W99Fc

COCHRANE, E. J. Around the world with foods & traditions. Wyo. Univ. Ext. [4-H Club. Circ.] F-40, 11 p. July 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Attendance record, 4-H Club project group. Wyo. Univ. Ext. [4-H Club. Circ.] G-5B, 1 p. Feb. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Judging helps for 1966; home economics. Wyo. Univ. Ext. [4-H Club. Circ.] G-35, 37 p. 1966. 275.29 W99Fc

CROFT, J. Body mechanics (posture & foot health). Wyo. Univ. Ext. [4-H Club. Circ.] H-5-24 p. June 1965. 275.29 W99Fc

CROFT, J. Leaders' guide, body mechanics (posture & foot health). Wyo. Univ. Ext. [4-H Club. Circ.] H-6, 23 p. Aug. 1965. 275.29 W99Fc

CROFT, J. Home improvement leaders' guide. Wyo. Univ. Ext. [4-H Club. Circ.] HI-6, 43 p. Ref. Sept. 1965. 275.29 W99Fc

MILLER, H. G. Wyoming 4-H electrical living: lighting. Wyo. Univ. Ext. [4-H Club. Circ.] HI-45, 45 p. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming 4-H electrical living record book: lighting. Wyo. Univ. Ext. [4-H Club. Circ.] HI-45a, 13 p. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Home improvement record book; room magic. Wyo. Univ. Ext. [4-H Club. Circ.] HI-50a, 8 p. May 1965. 275.29 W99Fc

HARRISON, L. R. Speak up for 4-H. Wyo. Univ. Ext. [4-H Club. Circ.] PS-1, 15 p. June 1965. 275.29 W99Fc

ELLIS, B. 4-H rabbit manual. Wyo. Univ. Ext. [4-H Club. Circ.] Ra-5, 20 p. Nov. 1965. 275.29 W99Fc

NICHOLLS, J. M. Ropecraft manual. Wyo. Univ. Ext. [4-H Club. Circ.] RC-5, 38 p. Aug. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming recreation report. Wyo. Univ. Ext. [4-H Club. Circ.] Re-1, 11 p. June 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Wyoming 4-H sheep project. Wyo. Univ. Ext. [4-H Club. Circ.] Sh-5,56 p. Sept.1965. 275.29 W99Fc

PALMER, D. E. Squares and rounds; how to call. Wyo. Univ. Ext. [4-H Club. Circ.] Rn-14-16 p. 1965. 275.29 W99Fc
Includes separate papers by M. McKenzie, P. Hartman, and R. Stillion.

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Tractor operator's contest. Wyo. Univ. Ext. [4-H Club. Circ.] TC-2,9 p. 1965. 275.29 W99Fc

WYOMING. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Big game animals and furbearers record book; a 4-H wildlife appreciation project. Wyo. Univ. Ext. [4-H Club. Circ.] WL-10a,13 p. July 1965. 275.29 W99Fc

REGIONAL PUBLICATIONS

Pacific Northwest Cooperative Region

WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Timber sale agreements. PNW (Pacific Northwest Coop. Ext.) Bull. 65,6 p.-folder. Jan.1965. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

PETERSON, K. J., and BODYFELT, F. Questions and answers about leukocytes in milk. PNW (Pacific Northwest Coop. Ext.) Bull. 70, 6 p.-folder. June 1965. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

WINTERS, W., DAVIS, E., and ESTEP, A. J. Housing for dairy calves. PNW (Pacific Northwest Coop. Ext.) Bull. 71,16 p. Aug.1965. 275.29 W27Pn

Joint publication of the Extension Services of Washington, Oregon, and Idaho.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

COCOA statistics 8(2),36 p. Apr.1965. 286.83 C64

COCOA statistics 8(4),36 p. Oct.1965. 286.83 C64

COCOA statistics 11(sup.),4 p. Nov.1964. 286.83 C64

FAO CATALOGUE of publications quarterly supplement 5,2 p. June 1965. 241 F732

FAO GRAIN storage newsletter and abstracts. 7(1/2),46 p. Jan./Apr.1965. 280.3599 F73

FAO Library list of recent accessions, Apr. 1965,34 p. 241 F7322

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO commodity review 1966. Rome, 1966. 226 p. 286.9 F73F

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Mechanical winches used by the forest industries. Rome? 1964. 50 p. 225 F735M

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Official report to the thirty-sixth and thirty-seventh sessions of the FAO Council, Rome, Italy, October 30-November 3, 1961 and November 24-25, 1961. Rome, 1961. 31 p. 389.9 F7355R

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. Thirty-fourth session: report of the fourth session of the FAO Cocoa Study Group. Food Agr. Organ. UN. Comm. Comm. Probl. CCP 61(16),21 p. Apr.18,1961. 389.9 F7354Co

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 15(3),25 p. Mar.1965. 280.9 F7323

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NEAR EAST FORESTRY COMMISSION. Report of the 4th session, held in Beirut, Lebanon, June 15-22, 1964. Rome, 1964. 54 p. 99.9 F738

FORESTRY equipment notes A.42.65,3 p.; A.43.65,3 p.; A.44.65,1 p. June,Nov.1965. 99.9 F73Ea

FORESTRY equipment notes D.38.65,5 p.; D.39.66,2 p. Sept.1965,Jan.1966. 99.9 F73Ed

FORESTRY equipment notes C.52.65,3 p. June 1965. 99.9 F73E

FORESTRY equipment notes E.44.66,3 p. Jan. 1966. 99.9 F73Ee

FRANCO, C. M. Report to the government of India on coffee dieback. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2005,13 p. 1965. 281.9 F733E

HEISKANEN, V. J. Portable and sem-portable wood chipping machines. II. Information on chipping and the yield and cost of chipping. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/161,32 p. 1965. 99.9 F73Fe

MARKOVIC, M. B. Rapport au Gouvernement de l'Algerie sur le centre de formation en statistiques agricoles et le developpement des enquetes statistiques [Report to the Government of Algeria on training center in agricultural statistics and the development of statistical enquiries]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1955,18 p., map. 1965. 281.9 F733E

SMITH, J. H. G. Report to the national government of the Republic of China on forests and forest industries in Taiwan. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1854,60 p. 1964. 281.9 F733E

TIMBER bulletin for Europe 18(3),82 p. 1965. 99.9 F73T

Production, trade and price statistics January-September, 1964 and 1965; market review to November 1965.

TIMBER bulletin for Europe 18(sup.5),28 p. Dec.1965. 99.9 F73T

Text also in French, p.12-23.

Review of European timber markets.

TIMBER bulletin for Europe 18(sup.7),6 p. Feb.1966. 99.9 F73T

End-use statistics of fibreboard and particle board.

TIMBER bulletin for Europe 18(sup.8),28 p. Feb.1966. 99.9 F73T

Apparent consumption and net trade of forest products.

TIMBER bulletin for Europe 18(sup.9),33 p. Feb.1966. 99.9 F73T

Films concerning forestry and the forest industries.

TIMBER bulletin for Europe 18(sup.10),31 p. Mar.1966. 99.9 F73T

Text also in French, p.17-31.

Review of European timber markets.

WADDINGTON, F. G. Report to the Government of Kenya on a tuberculin test survey of cattle in Kenya with observations on the significance of tuberculin sensitivity. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 2011,38 p. 1965. 281.9 F733E

UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY
WASHINGTON 25, D.C.

OFFICIAL BUSINESS

POSTAGE AND FEES
U. S. DEPARTMENT OF AGRICULTURE

BIBLIOGRAPHY OF AGRICULTURE



NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL LIBRARY
U.S. DEPARTMENT OF AGRICULTURE

BIBLIOGRAPHY OF AGRICULTURE

Vol. 30

August 1966

No. 8

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries, abstracts, or translated titles in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

For more detailed coverage of the literature on pests and their control, please consult the Pesticides Documentation Bulletin, a biweekly publication of the National Agricultural Library.

FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science
Soils and Fertilizers
Forestry
Animal Industry
Entomology
Agricultural Engineering
Agricultural Products
Agricultural Economics and Rural Sociology
Food and Human Nutrition
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials
Translations
USDA Publications
State Agricultural Experiment Station Publications
State Agricultural Extension Service Publications
Food and Agriculture Organization of the United Nations (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

For monographs the title is shown in the original language, followed by the English version. Titles of foreign language articles in serial publications are given in English only; the language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af)	Afrikaans	(Ic)	Icelandic
(Al)	Albanian	(In)	Indonesian
(Ara)	Arabic	(It)	ITALIAN
(Arm)	Armenian	(Ja)	JAPANESE
(Az)	Azerbaijani	(Ka)	Kazakh
(Be)	Belorussian	(Ko)	KOREAN
(Bu)	Bulgarian	(La)	Latvian
(Bur)	Burmese	(Li)	Lithuanian
(Ch)	CHINESE	(No)	NORWEGIAN
(Cz)	CZECH	(Pe)	Persian
(Da)	DANISH	(Pol)	POLISH
(Du)	DUTCH	(Por)	PORTUGUESE
(Es)	Estonian	(Rum)	Rumanian
(Fi)	Finnish	(Rus)	RUSSIAN
(Fl)	Flemish	(Se)	SERBO-CROATIAN
(Fr)	FRENCH	(Si)	Siamese
(Ge)	GERMAN	(Sl)	Slovenian
(Geo)	Georgian	(Sp)	SPANISH
(Gre)	GREEK	(Sw)	SWEDISH
(He)	Hebrew	(Ta)	Tadzhik
(Hi)	Hindi	(Tu)	TURKISH
(Hu)	HUNGARIAN	(Uk)	UKRAINIAN

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Technical Reports. Citations listed with the annotation "CFSTI" followed by price are also available for purchase from the Clearinghouse for Federal Scientific and Technical Information, U. S. Department of Commerce, Springfield, Virginia, 22151.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402
\$14.00 per year, domestic; \$17.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)

CONTENTS

	Item
PLANT SCIENCE	63828-66927
General	63828
Systematic and Geographic	
Botany	63880
General	63880
Spermatophytes	63915
Pteridophytes	63998
Bryophytes	64000
Algae	64008
Fungi (Including Lichens)	64032
Pathology	64118
General	64118
Diseases Caused by Fungi	64223
Diseases Caused by Bacteria	
Viruses and Virus Diseases	64409
Diseases Caused by Nematodes	64438
Ecology	64519
Morphology, Anatomy, and	64566
Cytology	64646
Genetics	64828
Physiology	64929
Biochemistry	65592
Field Crops	65906
General	65906
Cereals	65945
Fiber Crops	66090
Forage Crops and Grasses	66128
Oil Crops	66274
Sugar Crops	66316
Tobacco	66337
Horticultural Crops	66346
General	66346
Fruits—General	66368
Fruits—Citrus and Subtropical	
Fruits—Deciduous	66378
Fruits—Small	66409
Nuts	66442
Nuts	66474
Shade Trees and Ornamental	
Plants	66481
Vegetable and Truck Crops	
(Including Potatoes)	66592
Weeds and Poisonous Plants	66726
Miscellaneous Economic Plants	
(Drug, Dye, Rubber, etc.)	66871
SOILS AND FERTILIZERS	66928-
	67766
Soil Science	66928
Soil Physics	66932
Soil Chemistry and Mineralogy	
*Soil Biology	67002
*Soil-Plant-Animal Relationships	67177-67219
*Soil Genesis, Formation, Classi-	
fication, and Mapping	67174-67176
*Soil Management	67104-
Soil Fertility	67173
Soil Tilth and Tillage	67085-67103
Drainage, Irrigation, Water	67220
Supply, and Flood Control	67394
Erosion and Erosion Control	
Sanitation	67646
Materials for Soil Improvement	67696
Chemical Fertilizers	67698
Mineral Soil Amendments	67704
Fertilizer Technology and	
Statistics	67706
Manures and Composts	67758
FORESTRY	67767-68644
General	67767
Education	67829
Policies, Programs, Administra-	
tion	67836
Legislation and Taxation	67859
Forest Description and	
Resources	67864

	Item
Forest Management and Finance	
Farm Woodlands	67896
Mensuration, Surveying, Photo-	67959
grammetry	67969
Silviculture	68005
Silvicultural Practices	68071
Regeneration and Breeding	
Forest Protection and Damage	68114
Fire	68246
Forest Influences	68262
Miscellaneous Forest Uses	68270
Forest Industries and Trade	68283
Lumbering and Logging	68299
Sawmills	68314
Processing and Woodworking	68391
Seasoning, Conditioning, and	
Finishing	68405
Wood Preservation and Damage	68406
Forest Products	68414
Lumber and Rough Products	68442
Construction	68454
Veneers, Plywood, and Adhesives	68465
Furniture	68466
Containers	68479
Pulp and Paper	68481
Chemical Products and	68483
Distillates	68535
Naval Stores	68541
Other Forest Products	68551
Wood Technology	68579
Properties and Structure	68600
ANIMAL INDUSTRY	68645-69938
Breeds and Breeding	68645
Feeds and Feeding	68665
Veterinary Medicine	68714
Miscellaneous	68870
Cattle	68894
Breeds and Breeding	68894
Feeds and Feeding	68992
Veterinary Medicine	69060
Miscellaneous	69266
Dogs and Cats	69304
Breeds and Breeding	69304
Feeds and Feeding	
Veterinary Medicine	69307
Miscellaneous	
Fur Animals - Pen Raised	69395
Breeds and Breeding	69395
Feeds and Feeding	
Veterinary Medicine	69396
Miscellaneous	69403
Horses and Mules	69407
Breeds and Breeding	69407
Feeds and Feeding	
Veterinary Medicine	69412
Miscellaneous	
Laboratory Animals, Small	69435
Breeds and Breeding	69435
Feeds and Feeding	69441
Veterinary Medicine	69443
Miscellaneous	69483
Poultry	69493
Breeds and Breeding	69493
Feeds and Feeding	69511
Veterinary Medicine	69544
Miscellaneous	69631
Rabbits	69650
Breeds and Breeding	69650
Feeds and Feeding	69651
Veterinary Medicine	69654
Miscellaneous	69676
Sheep and Goats	69679
Breeds and Breeding	69679
Feeds and Feeding	69698
Veterinary Medicine	69710
Miscellaneous	69787

	Item
Swine	69798
Breeds and Breeding	69798
Feeds and Feeding	69817
Veterinary Medicine	69846
Miscellaneous	69919
ENTOMOLOGY	69939-70569
General	69939
Economic	69943
General	69943
Medical and Veterinary Pests	69996
Pests of Field and Truck Crops	70065
Pests of Fruit and Nut Crops	
Pests of Ornamentals, Green-	70146
houses, and Nurseries	70182
Pests of Stored Products and	
Processed Commodities	70191
Pests of Trees and Wood	
Products	70205
Apiculture and Apis Mellifera	70237
Sericulture and the Silkworm	70294
Taxonomic, Geographic, and	
Biological	70302
General	70302
Arachnida, Myriapoda, etc.	70317
Coleoptera	70355
Diptera	70383
Culicidae	70428
Drosophila	70435
Hemiptera (Heteroptera and	
Homoptera)	70451
Hymenoptera	70485
Lepidoptera	70507
Orthoptera	70531
Smaller Orders	70545
AGRICULTURAL ENGINEERING	70570-70978
General and Miscellaneous	70570
Farm Machines and Equipment	
Animal Husbandry Equipment	70580
Cultivation and Tillage Equipment	70682
Fertilizing and Planting Equip-	70703
ment	70722
Harvesting Equipment	70751
Land Clearing Equipment	70778
Processing Equipment Used on	
the Farm	70780
Repair, Maintenance, and Con-	
struction Equipment	70808
Spraying and Dusting Equipment	
Vehicles	70822
Farm Structures and Rural	70832
Housing	70890
Animal Shelters and Animal	
Service Buildings	70896
Farmhouses and Farmsteads	70927
Greenhouses and Plant Service	
Buildings	70932
Materials and Methods	70935
Storage Structures	70937
Walls and Fences	70946
Farm Utilities	70948
Electricity and Electrification	
Heating, Lighting, and Radiation	70948
Power Plants, Motors, and	70957
Engines on the Farm	70960
Sewage and Waste Disposal	
Telephones	70967
Water Supply	70971

*Due to an error in numbering, these sections do not appear in their normal sequence.

<u>Item</u>	<u>Item</u>	<u>Item</u>
AGRICULTURAL PRODUCTS:		
PROCESSING, DISTRIBUTION,	Consumption and Utilization 71955	Leadership
AND STATISTICS 70979-72286	Distribution, Marketing, and	Rural Organizations and
General 70979	Transportation 71956	Movements 72880
Analysis and Composition 71011	Grading, Inspection, Standardiza-	Cooperative Organizations 72892
Consumption and Utilization 71057	tion, and Quality 71977	Rural Social Psychology 72907
Distribution, Marketing, and	Packing and Packaging 71991	Trade, Foreign and International
Transportation 71062	Prices, Price Control, and	72915
Grading, Inspection, Standardiza-	Rationing 71993	FOOD AND HUMAN NUTRITION
tion, and Quality 71098	Processing and Storage 71995	72999-73046
Packing and Packaging 71121	Statistics 72029	General 72999
Prices, Price Control, and	Oils and Oilseeds 72034	Food Habits 73025
Rationing 71129	Poultry and Poultry Products	Nutritive and Vitamin Content
Processing and Storage 71148	72143	73027
Statistics 71188	Rubber and Rubber Substitutes	MISCELLANEOUS 73047-73225
Beverages and Condiments 71210	72176	General 73047
Dairy Products 71276	Seeds 72184	Biography 73096
Analysis and Composition 71305	Sugar and Sirups 72207	History 73173
Consumption and Utilization 71348	Tobacco 72243	Home Management 73177
Distribution, Marketing, and	Miscellaneous Products 72264	International Relations 73191
Transportation 71352	AGRICULTURAL ECONOMICS AND	Meteorology 73194
Grading, Inspection, Standardiza-	RURAL SOCIOLOGY 72287-72998	Personnel 73200
tion, and Quality 71374	General 72287	Research 73201
Packing and Packaging 71403	Agricultural Finance 72336	Statistics 73223
Prices, Price Control, and	Credit 72355	
Rationing 71412	Income 72388	NEW PERIODICALS AND
Processing and Storage 71469	Inflation 72392	SERIALS p. 285
Statistics 71475	Insurance 72402	TRANSLATIONS p. 286
Feed and Forage Crops 71481	Taxation 72402	U. S. D. A. PUBLICATIONS p. 306
Fibers and Textiles 71523	Agricultural Labor and Wages	
Fruits, Vegetables, and Nuts 71602	72408	STATE AGRICULTURAL
Analysis and Composition 71625	Agriculture - Situation, Policies,	EXPERIMENT STATION
Consumption and Utilization	and Programs 72460	PUBLICATIONS p. 311
Distribution, Marketing, and	Subsidies 72558	
Transportation 71663	Cost and Standard of Living 72568	STATE AGRICULTURAL
Grading, Inspection, Standardiza-	Farm Management and Land	EXTENSION SERVICE
tion, and Quality 71680	Economics 72570	PUBLICATIONS p. 315
Packing and Packaging 71692	Bookkeeping and Records 72662	
Prices, Price Control, and	Costs and Returns 72673	FAO PUBLICATIONS p. 322
Rationing 71705	Land Settlement and Colonization	PERSONAL INDEX p. 323
Processing and Storage 71710	72707	
Statistics 71780	Land Tenure 72711	ORGANIZATIONAL INDEX p. 347
Grain and Grain Products 71791	Land Utilization 72730	
Honey and Beeswax 71902	Land Values and Valuation 72755	
Livestock and Livestock Products	Population 72765	
71903	Rural Social Organization 72768	
Analysis and Composition 71926	Human Ecology 72777	
	Institutions 72795	

PLANT SCIENCE

GENERAL

- 63828 BACHMANN, B. J., and STRICKLAND, W. N. *Neurospora* bibliography and index. New Haven, Yale Univ. Press, 1965. 225 p. Z5356.N4B3
Neurospora spp., chiefly *N. crassa*, as experimental organism; includes botanical research.
- 63823 BASTIN, B. Observation of the vegetation of the Varanger peninsula (Norwegian Lapland). (Fr) *Natur. Belg.* 46(10):474-482, map. Dec. 1965. 410.9 N21
- 63830 BROWNE, E. T. Botany in Kentucky since 1914. *Ky. Acad. Sci. Trans.* 25(3/4):77-82. Ref. 1965. 500 K41
- 63831 CHIN, H. C. First all-China plant-seed migration and taming symposium. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:155-157. Aug. 9, 1965. (JPRS 31,474; TT 65-31969) 173 J663Tcco
Plant dissemination and introduction.
Translation from K'o Hsueh T'ung Pao 12: 1127. Dec. 17, 1964.
Issued by CFSTI.
- 63832 COLE, L. C. Man's ecosystem. *BioScience* 16 (4):243-248. Ref. Apr. 1966. 500 Am322A
Includes history of and outlook for plant culture.
- 63833 COMMONER, B. The fragile breath of life: how to keep it going: by using nature as a lab. *Saturday Rev.* 49(19):68-69. May 7, 1966. 110 Sa82
Work of the Washington University Center for the Biology of Natural System; interdisciplinary research includes botany and zoology.
- 63834 COULTER, M. W., and others. Design and calibration of a spectro-radiometer for the visible range (320-850 mμ). *Amer. Soc. Hort. Sci. Proc.* 87:563-572. Ref. Dec. 1965. 81 So12
T. Hoshizaki, T. H. Bulpitt, and K. C. Hamner, joint authors.
Botany equipment.
- 63835 DOROFEEV, P. I. Fruits of *Comptonia* from Tertiary deposits of the USSR. (Rus) *Akad. Nauk SSSR. Dokl.* 167(4):910-913. 1966. 511 P444A
- 63836 FRIORIKSSON, S. The first species of higher plants in Surtsey the new volcanic island. (Ic) *Natuurfræðingurinn* 35(3):97-102. Nov. 1965. 410 N2142
English summary.
- 63837 GALENIETSE, M. P., and EGLITIS, U. A. Stratigraphy and genesis of upland bogs of northwestern Latvia. (Rus) *Riga. Zinatnu Akademija. Institut Biologii. Rastitel'nost' Latviiskoi SSR* 4:79-85. 1964. 451 R44
Includes pollen studies.
Abstracted in *Ref. Zh. Biol.* 20(sect.V):24. Oct. 1965. 241.7 R25
- 63838 GOLDSWORTHY, A. A simple apparatus for generating an air stream containing a constant concentration of $^{14}\text{CO}_2$. *J. Expt. Bot.* 17(50): 147-150. Feb. 1966. 450 J8224
For botanical research.
- 63839 GRIFFITH, E., and HYLAND, H. L. Plant material introduced January 1 to December 31, 1956 (Nos. 230877 to 236142). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 164, 245 p. Apr. 1966. 1 P698I
- 63840 HAGLER, T. B. Planning your county program in the plant sciences. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:1-3. 275.29 AL1Su
Extension work.
- 63841 HELLERMAN, J. The fossil diatoms of the Mohonk Lake area, New York and their ecological significance. *Diss. Abs.* 26(10):5675. Apr. 1966. 241.8 M58
- 63842 IORDANOV, D. Development and progress of Botanical Institute of Bulgarian Academy of Sciences [Bulgarska Akademiya na Naukite, Botanicheski Institut] during the twenty-year period of People's Regime 1944-1964. (Bu) *Bulgarska Akad. Nauk. Bot. Inst. Izv.* 14:5-18. 1965. 451 B87
- 63843 ISAIN, V. N., and YURTSEV, V. N. *Botanika; teoreticheskii i prakticheskii kurs* [Botany; theoretical and practical course]. Ed. 9, rev. and enl. Moskva, Kolos, 1966. 520 p. QK47.I8
- 63844 JOSENS, G., and HERBOUTS, J. Paleobotanic observations in the quarry of Alvaux. (Fr) *Natur. Belg.* 46(10):484-487. Dec. 1965. 410.9 N21
- 63845 JURGENSEN, W. The farmer and his garden. (Ge) *Schleswig-Holstein* 5:128-129. 1966. 110 Sch3
Botanic specimens in the garden of Hans Moller in England.
- 63846 KEDVES, M., and RAKOSY, J. Palynological investigations on the Eocene layers of boring 39 in Epleny. *Acta Biol. N. S.* 11(1/2):51-53. Ref. 1965. 442.8 Ac86
- 63847 KEDVES, M. Palynological investigations on the lower Eocene layers in the surrounding country of Iszkaszentgyorgy. III. *Acta Biol. N. S.* 11(1/2):33-50. Ref. 1965. 442.8 Ac86
- 63848 KEMPTON, J. P. Radiocarbon dates from Altonian and Twooreean deposits at Sycamore, Illinois. III. *State Acad. Sci. Trans.* 59(1):39-42, map. 1966. 500 IL6
- 63849 KOCHKIN, M. A. Plant introduction activities of Nikitskii Botanical Garden [Nikitskii Botanicheskii Sad]. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:139-142. Feb. 1966. 20 V633
- 63850 KOZHEVNIKOVA, L. I. Work of the Voronezh Department of the Botanical Society of the U.S.S.R. [Vsesoyuznoe Botanicheskoe Obshchestvo. Voronezhskoe Otdelenie]. (Rus) *Bot. Zhur. [Moscow]* 51(4):622-623. Apr. 1966. 451 R923
- 63851 KURATA, S., ed., and others. A bibliography of forest botany in Japan, 1940-1963. Tokyo, Univ. Tokyo Press, 1966. 146 p. Z5358.J3K8
K. Aoshima, O. Chiba, K. Hattaya, K. Hatano, H. Ohashi, and K. Shimaji, joint editors.
Published on the occasion of the sixtieth birthday of Professor Taizo Inokuma.
Sections include taxonomy and geobotany, synecology, anatomy and physiology and pathology.
- 63852 KUZ'MICHEV, A. I. Vegetation of stony steppe in Zhiguli. (Ukr) *Ukr. Bot. Zhur.* 22(6):106-107. Ref. 1965. 450 J8212J
- 63853 LAVRENKO, YE. M., and YURATOV, A. A. Fifty years of the All-Union Botanical Society [Vsesoyuznoe Botanicheskoe Obshchestvo]. 62 p. Ref. (JPRS 33,673; TT 66-30117) Transl. 15786
Translation from *Botanicheskii Zhurnal* 9: 1205-1247. Sept. 1965.
CFSTI: \$3.00.
- 63854 LENTZ, A. N., and PORCELLA, S. Build an outdoor classroom for your school. Rutgers State Univ. Ext. Leaflet 401, 8 p.-folder. Jan. 1966. 275.29 N46L
- 63855 LE ROUX, S. F. A new fossil plant, *Plumsteadella elegans*, from Vereeniging, Transvaal. *S. Afr. J. Sci.* 62(2):37-43. Ref. Feb. 1966. 515 So84
- 63856 MALICH, N. S. Higher plants from the Cambrian deposits of the western part of Siberia platform. (Rus) *Akad. Nauk SSSR. Dokl.* 166: 1207-1209. 1966. 511 P444A
- 63857 MATHIESEN, F. J. Palaeobotanical investigations into some cormophytic macrofossils from the Neogene Tertiary lignites of central Jutland. *Danske Videnskabernes Selskab. Biol. Skr.* 14(6), 46 p., map. Ref. 1965. 442.9 D23B

- 63858 MCKELLAR, R. G. A revision of the blastoids "Mesoblastus? australis," "Granatocrinus? wachsmuthii," and "Tricoelocrinus? carpenteri," described by Etheridge (1892) from the Carboniferous of Queensland. Queensland Mus. Mem. 14(5):191-198, map. Ref. 1966. 514 B772M
- 63859 MOON, L. Trees and the gods. Forests People 16(2):20-21, 26-27. Second Q. 1966. 99.8 F7628
- 63860 MULLIGAN, B. O. The value of arboreta to the trade. Int. Shade Tree Conf. Proc., 41st Conf.:244-246. 1965. 99.9 N218
- 63861 OPRAVIL, E. *Trapa minuta* nova spec. from the Czechoslovak Pleistocene. Preslia 38(1): 53-56. Ref. 1966. 450 P92
- 63862 PALAMAREV, E. Paleocarpological studies of a boring well in the Samokov Region. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:135-148. Ref. 1965. 451 B87
German summary.
- 63863 PERESVETOV, A. S. The discovery of Psilophytes in the U.S.S.R. 16 p. Transl. 14430 Paleobotany.
Translation from Botanicheskii Zhurnal 35 (6):647-655. 1950.
- 63864 PETROV, S., and PALAMAREV, E. Paleobotanical studies in Bulgaria and basic trends of their development. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:243-253. 1965. 451 B87
German summary.
- 63865 PEYRONEL, B. The Paradisia Alpine Garden [Giardino Alpino Paradisia] at Valnatey. (It) Agricoltura 14(2):77-82. Feb. 1965. 16 Ag8226
- 63866 PHILLIPS, T. L., and ANDREWS, H. N. *Catenopteris simplex* gen. et sp. nov., a primitive pteridophyte from the upper Pennsylvanian of Illinois. Torrey Bot. Club. Bull. 93(2):117-127. Ref. Mar./Apr. 1966. 451 T63B
- 63867 POMEROY, K. B., and DIXON, D. These are the champs. Amer. Forests 72(5):14-35. May 1966. 99.8 F762
Notable trees reported by the American Forestry Association.
- 63868 RISSMANN, R. Struggle for enlargement of natural foundations: plant evolution. (Ge) Le-bendige Erde 6:265-272. Nov./Dec. 1965. 18 L49
Paleobotany.
- 63869 ROGERSON, C. T., and others. Index to American botanical literature. Torrey Bot. Club. Bull. 93(2):146-171. Mar./Apr. 1966. 451 T63B
L. Schwarten, H. W. Rickett, and H. Becker, joint authors.
- 63870 RUFFLE, L., and PALAMAREV, E. *Quercophyllum brezanii*—a new species from the paleogene of Bulgaria. (Ge) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:149-154. Ref. 1965. 451 B87
English summary.
- 63871 RUZICKA, M. Status and organizational structure of the "V. L. Komarov" Botanical Institute of the Soviet Academy of Sciences, in Leningrad [Akademiya Nauk SSSR, Botanicheskii Institut imeni V. L. Komarova]. 7 p. Transl. 14581
Translation from Biologia 8:634-638. Aug. 1964.
CFSTI: \$1.00.
- 63872 SAUER, C. O. Cultural factors in plant domestication in the New World. Euphytica 14(3):301-306. Nov. 1965. 450 Eu6
- 63873 SHCHEKINA, N. A., and PETROVA, L. A. New data on the flora of the second Mediterranean stage of the environs of the village Monastyrok, Lvov Region. (Uk) Ukr. Bot. Zhur. 22(5):80-86. 1965. 450 J8212J
English summary.
Pollen studies.
- 63874 SHELYAG-SOSONKO, YU. R., and BAIROVA, R. S. Vegetation of the Podolian Pokuty. (Uk) Ukr. Bot. Zhur. 22(5):67-74, map. Ref. 1965. 450 J8212J
English summary.
- 63875 STAINFORTH, R. M. Occurrence of pollen and spores in the Roraima formation of Venezuela and British Guiana. Nature [London] 210(5033): 292-294. Apr. 16, 1966. 472 N21
- 63876 SVESHNIKOVA, I. N. Investigations of leaves of fossil and recent plants by means of epidermal-cuticular method. (Rus) Bot. Zhur. [Moscow] 51(4):584-590. Ref. Apr. 1966. 451 R923
Review of the literature.
- 63877 TERPO, A. Further development of the Botanical Garden of the College of Horticulture and Viticulture [Kerteszeti es Szoleszeti Foiskola, Botanikus Kert]. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):223-236. Ref. 1965. 80 B85
German summary.
- 63878 TSUKADA, M. Late Pleistocene vegetation and climate in Taiwan (Formosa). Nat. Acad. Sci. Proc. 55(3):543-548. Ref. Mar. 1966. 500 N21P
- 63879 WATTS, W. A., and WRIGHT, H. E. Late-Wisconsin pollen and seed analysis from the Nebraska sandhills. Ecology 47(2):202-210, map. Ref. Early Spring 1966. 410 Ec7

SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 63880 AFANAS'YEV, D. Y. Swamp vegetation of the Dnieper flood plain. (Uk) Ukr. Bot. Zhur. 21(5):95-101. Ref. 1964. 450 J8212J
English summary.
- 63881 AKADEMIYA NAUK SSSR. BOTANICHESKII INSTITUT IMENI V. L. KOMAROVA. Rasteniya severa Sibiri i Dal'nego Vostoka [Plants of northern Siberia and northern Far East], v. 6. Moskva, Nauka, 1966. 224 p., map. Ref. 459.2 T44
- 63882 BADILLO, V. M., and SCHNEE, L. Clave de las plantas superiores de Venezuela, confeccionada sobre el original de Thonner [Key to the families of the higher plants of Venezuela, compiled on the original of Thonner]. Ed. 4. Venezuela. Univ. Cent. Fac. Agron. Rev. Al-cance 9, 255 p. Nov. 1965. 9.95 V555R
- 63883 BRADYS, E. M., and RUBTSOV, M. I. Bogs of Opolye. (Uk) Ukr. Bot. Zhur. 23(1):82-86. 1966. 450 J8212J
English summary.
Includes aquatic plants.
- 63884 CARROLL, E., and SUTTON, S. A cumulative index to the nine volumes of the Symbolae Antillanae; seu fundamenta florum Indiae Occidentalis, edited by I. Urban. Jamaica Plain, Mass., Arnold Arboretum Harvard Univ., 1965. 272 p. QK225.C3
- 63885 CHOPIK, V. I. New and little-known species from the flora of the Ukrainian Carpathians. (Uk) Ukr. Bot. Zhur. 22(5):87-88, map. 1965. 450 J8212J
- 63886 ELIZAR'EVA, M. F. Botanical-geographical zoning scheme for eastern borderland of western Siberian lowland (in the limits of the taiga zone). (Rus) Vses. Botan. O-vo. Tomskoe Otd. Izv. 5:13-30. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 20(sect.V):23-24. Oct. 1965. 241.7 R25
- 63887 GANCHEV, I., and DENCHEV, S. Data on flora of the Sliven Region. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:265-267. 1965. 451 B87
German summary.
- 63888 GANCHEV, I., and DRAZHEVA, L. Floristic remarks. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:273-274. 1965. 451 B87
German summary.
- 63889 HAWKES, A. D. Guide to plants of the Everglades National Park. Coral Gables, Tropic Isle Publ., 1965. 50 p. QK154.H3
- 63890 IORDANOV, D., GANCHEV, S., and KOCHEV, KH. New data and critical remarks on Bulgarian flora. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:205-211. 1965. 451 B87
German summary.

- 63891 IORDANOV, D., and PANOV, P. New data and remarks on Bulgarian flora. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:259-263. 1965. 451 B87
German summary.
- 63892 KLIKA, J., and others. Klic k urcovani rostlin [Key to identification of plants]. Praha, Statni Pedagogicke Nakladatelstvi, 1965. 583 p. Ref. QK13.K6
J. Holub, J. Houfek, V. Jirasek, and F. Mlady, joint authors.
- 63893 KOTOV, M. I. The flora and vegetation of Rila Mts. in Bulgaria. (Rus) Bot. Zhur. [Moscow] 51(4):579-583. Ref. Apr. 1966. 451 R923
- 63894 KOTOV, M. I. The flora of the Crimea and its connection with the floras of the Balkans and the Caucasus. (Ukr) Ukr. Bot. Zhur. 22(5):62-66. Ref. 1965. 450 J8212J
English summary.
- 63895 KUCHERYAVA, L. F. Bogs of the Polesye part of Kiev Region. (Ukr) Ukr. Bot. Zhur. 22(5):75-79. 1965. 450 J8212J
English summary.
Includes aquatic plants.
- 63896 LENINGRADSKII UNIVERSITET. Arealny rastenii flory SSSR [Distribution of the flora in USSR]. Leningrad, Izdatel'stvo Leningradskogo Universiteta, 1965. 190 p. Ref. QK321.L4
- 63897 LYAPKINA, A. A. Plant resources in Sukhona lowland. (Rus) Leningrad. Gos. Ped. In-t. im A. I. Gertsena. Uch. Zap. 267:109-130. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.V):28. Nov. 1965. 241.7 R25
- 63898 MARTINOVSKY, J. Kl'uc na urcovanie rastlin [Key to identification of plants]. Ed. 2. Bratislava, Slovenske Pedagogicke Nakladatel'stvo, 1965. 711 p. QK13.M3
- 63899 POBEDIMOVA, E. G., and GLADKOVA, V. N. Studies on the flora of the Valaam Island Ladooga Lake. (Rus) Bot. Zhur. [Moscow] 51(4):495-508. Ref. Apr. 1966. 451 R923
English summary.
- 63900 POLOZHII, A. V. Glacial and relic species and associations of plants in the lower flows of Podkamennaya Tunguska and Chuna Rivers. (Rus) In Rast. pokrov Krasnoyarskogo kraia 1:60-64. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.V):21. Nov. 1965. 241.7 R25
- 63901 POSPISIL, V. The Moravian Gate, a plant geographical study. 2. (Ge) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:129-170, map. Ref., p. 167-170. 1965. 510 B836
- 63902 SAVULESCU, T. Flora Republicii Populare Romine [Flora of the Rumanian Peoples' Republic], Vol. X, by E. I. Nyarady. Bucharest, 1965. 750 p. 459.7 B85
- 63903 STANEV, S. Floristic material from Golo-Bardo Mountain of southwestern Bulgaria. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:279-280. 1965. 451 B87
French summary.
- 63904 STEVENSON, G. A. Notes on the more recently adventive flora of the Brandon area, Manitoba. Can. Field-Natur. 79(3):174-177. July/Aug., i.e. Sept. 1965. 410.9 Ot8
- 63905 TETENYI, P. Subspecific chemical taxonomic units (taxons) in plant classification. 13 p. Ref. Transl. 15203
Translation from Botanicheskii Zhurnal 47 (12):1731-1741. 1962.
- 63906 U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENTAL STATION. The flora of the Starkey Experimental Forest and Range, by G. S. Strickler. Portland, Oreg., 1965. 85 p. aQK182.A5
- 63907 VELCHEV, V., and BONDEV, I. New data on the flora of the eastern Stara Planina (Balkan) mountain range. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:213-216. 1965. 451 B87
English summary.
- 63908 VELCHEV, V., and DYANKOV, B. New plants for the flora of the Vratsa Mountains. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:269-270. 1965. 451 B87
German summary.
- 63909 VIKHDTSEVSKI, N. Some new and rare plants of Bulgarian flora. II. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:275-277. 1965. 451 B87
German summary.
- 63910 WINDLER, D. R. Notes on the flora of several Illinois counties. Ill. State Acad. Sci. Trans. 59(1):85-86. 1966. 500 IL6
- 63911 WU, C. The tropical relatives of the Chinese flora. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 161:54-66. Mar. 19, 1965. (JPRS 29,200; TT 65-30547) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 1:25-33. Jan. 7, 1965.
Issued by CFSTI.
- 63912 ZATSEPIN, D. Y. Manycha Valley steppes. (Ukr) Ukr. Bot. Zhur. 23(1):106-108. 1966. 450 J8212J
Includes flora.
- 63913 ZAVERUKHA, B. V. New data of the occurrence of some Volyno-Podolian endemic plants. (Ukr) Ukr. Bot. Zhur. 22(6):98-100, map. Ref. 1965. 450 J8212J
- 63914 ZLATNIK, A., and KAVINOVA, A. Kvetiny a hory [Flora and mountains]. Praha, Statni Pedagogicke Nakladatelstvi, 1966. 103 p. Ref. QK339.C8Z55

Spermatophytes

- 63915 AKADEMIYA NAUK GRUZINSKOI SSR. INSTITUT LESA. Dendroflora Kavkaza: Dikorastushchie i kul'turnye derev'ya i kustarniki [Woody plants of Caucasus: wild and cultivated trees and shrubs]. IV. Angiospermae, Dicotyledonae: Rosaceae, Leguminosae. Tbilisi, Izdatel'stvo Metsniereba, 1965. 398 p. Ref. 459.2 Ak17
- 63916 AKADEMIYA NAUK UZBEKSKOI SSR. BOTANICHESKII SAD. Dendrologiya Uzbekistana [Dendrology of Uzbekistan], v. 1. Tashkent, Nauka Uzbekskoi SSR, 1965. 434 p., map. Ref. QK490.U9A3
Rosaceae.
- 63917 ALEXANDROV, F. A. Three species of plants new for the Kirov Region. (Rus) Bot. Zhur. [Moscow] 51(4):583. Apr. 1966. 451 R923
Nardosmia laevigata, Cardaria draba and Alyssum gmelinii.
- 63918 ALSTON, R. E. Comparisons of the importance of basic metabolites, secondary compounds and macromolecules in systematic studies. Lloydia 28(4):300-312. Ref. Dec. 1965. 442.8 L77
- 63919 ANT, H. Vallisneria spiralis (Hydrocharitaceae) in Lippe. (Ge) Arch. Hydrobiol. 61(4):537-539. Jan. 1966. 410 Ar28
- 63920 BARNEBY, R. C. A new Boerhaavia from northern Mexico. Leaflet West. Bot. 10(14):263-264. May 4, 1966. 450 L47
Boerhaavia chrysantha, n. sp.
- 63921 BASSETT, I. J. Taxonomy of North American Plantago L., section Micropsyllium Decne. Can. J. Bot. 44(4):467-479, map. Apr. 1966. 470 C16C
- 63922 BATE-SMITH, E. C., and SWAIN, T. Recent developments in the chemotaxonomy of flavonoid compounds. Lloydia 28(4):313-331. Ref. Dec. 1965. 442.8 L77
- 63923 BOER, H. W. DE. Lithops aucampiae var. euniceae de Boer var. nov. (Du) Succulenta 45(4):54. Apr. 1966. 450 Su12
- 63924 BOER, H. W. DE. Lithops lesliei var. hornii de Boer var. nov. (Du) Succulenta 45(3):37-38. Mar. 1966. 450 Su12

- 63925 BRITTAIN, W. H., and GRANT, W. F. Observations on Canadian birch (*Betula*) collections at the Morgan Arboretum. I. *B. papyrifera* in eastern Canada. *Can. Field-Natur.* 79(3):189-197. July/Aug., i.e. Sept. 1965. 410.9 Ot8
- 63926 BROWN, S. A. Chemotaxonomic aspects of lignins. *Lloydia* 28(4):332-341. Ref. Dec. 1965. 442.8 L77
- 63927 BUINING, A. F. H. *Copiapoa hypogaea* Ritter. (Du) *Succulenta* 44(11):165-166. Nov. 1965. 450 Su12
- 63928 BUINING, A. F. H. *Copiapoa mollicula* Ritter. (Du) *Succulenta* 44(11):166-167. Nov. 1965. 450 Su12
- 63929 BUINING, A. F. H. *Copiapoa rubriflora* Ritter. (Du) *Succulenta* 44(11):164-165. Nov. 1965. 450 Su12
- 63930 BURCH, D. G. A taxonomic revision of the genus *Chamaesyce* (Euphorbiaceae) in the Caribbean. *Diss. Abs.* 26(10):5674. Apr. 1966. 241.8 M58
Includes n. spp.
- 63931 CODY, W. J. Plants of the Mackenzie River delta and reindeer grazing preserve. Ottawa, 1965. 56 p., map. Ref. QK201.C6
Spermatophyta.
- 63932 CRAMPTON, B. Grass records for Yolo and Solano Counties in California. *Leaflet West. Bot.* 10(14):279-280. May 4, 1966. 450 L47
- 63933 CRETE, P. *Precis de botanique* [Summary of botany]. Paris, Masson, 1962-65. 2 v. (Collection de *Precis de Pharmacie*) QK45.C7
Taxonomy, morphology and physiology of Spermatophyta and Pteridophyta.
- 63934 DATTA, S. C. A handbook of systematic botany. New York, Asia Publ. House, 1965. 433 p. Ref. QK97.D3
Spermatophyta.
- 63935 DE WET, J. M. J., and others. Biosystematics of sorghum, a report of progress, 1965. *Okla. Agr. Exp. Sta. Process. Ser. P-539*, 16 p. May 1966. 100 Ok4M
J. R. Harlan, J. P. Huckabay, and M. H. Lu, joint authors.
- 63936 DE WET, J. M. J., HARLAN, J. R., and RICHARDSON, W. L. Biosystematics of the Bothriochloinae, (Andropogoneae, Gramineae), a report of progress, 1960 to 1965. *Okla. Agr. Exp. Sta. Process. Ser. P-532*, 31 p. Ref., p. 6, 27-31. Apr. 1966. 100 Ok4M
- 63937 DUARTE, A. J. S. New varieties of *Oryza sativa* L. identified in the collection of the National Agronomical Station [Estacao Agronomica Nacional]. (Por) *Agron. Lusitana* 26(1):45-56. 1964, pub. 1965. 105.7 Ag8
English summary.
Taxonomic.
- 63938 DVORAK, F. *Ad Hesperidis L. generis species in Haemo crescentes adnotationes aliquae*. *Preslia* 38(1):57-64, map. Ref. 1966. 450 P92
Chiefly taxonomy.
- 63939 EDLIN, H. L. A modern sylvia or a discourse of forest trees. 17. *Sequoias* and their kin: *Sequoia*, *Sequoiadendron*, *Metasequoia*, *Cryptomeria* and *Taxodium*. *Quart. J. Forest.* 60(2):101-109. Apr. 1966. 99.8 Q2
- 63940 EYDE, R. H. The Nyssaceae in the southeastern United States. *Arnold Arboretum. J.* 47(2):117-125. Ref. Apr. 1966. 451 Ar6J
- 63941 FERGUSON, I. K. The Cornaceae in the southeastern United States. *Arnold Arboretum. J.* 47(2):106-116. Ref. Apr. 1966. 451 Ar6J
- 63942 FERGUSON, I. K. Notes on the nomenclature of *Cornus*. *Arnold Arboretum. J.* 47(2):100-105. Apr. 1966. 451 Ar6J
- 63943 GANCHEV, I., and BONDEV, I. Critical remarks on two plants. (Bu) *Bulgarska Akad. Nauk. Bot. Inst. Izv.* 15:271-272. 1965. 451 B87
German summary.
Incorrect consideration of *Phleum bertolonii* to be synonym of *Phleum nodosum*.
- 63944 GIBBS, R. D. A classical taxonomist's view of chemistry in taxonomy of higher plants. *Lloydia* 28(4):279-299. Ref. Dec. 1965. 442.8 L77
- 63945 GRAHAM, S. A. The genera of Araliaceae in the southeastern United States. *Arnold Arboretum. J.* 47(2):126-136. Ref. Apr. 1966. 451 Ar6J
Aralia and Panax.
- 63946 GUSEV, U. D. Dispersal of species of *Galinsoga* in the Leningrad Region. (Rus) *Bot. Zhur. [Moscow]* 51(4):577-579. Ref. Apr. 1966. 451 R923
- 63947 HABECK, J. R. Records of *Gaultheria ovatifolia* in Montana. *Leaflet West. Bot.* 10(14):273-274. May 4, 1966. 450 L47
- 63948 HAEGGSTROM, C. A., and NIEMI, A. Some plant finds from Majberget in N. Sibbo. (Sw) *Soc. Fauna Flora Fenn. Mem.* 41:59-64. Ref. 1964/65. 511 H365Me
- 63949 HARLAN, J. R., and others. Biosystematics of the genus *Cynodon* (Gramineae), a report of progress, 1965. *Okla. Agr. Exp. Sta. Process. Ser. P-537*, 34 p. May 1966. 100 Ok4M
J. M. J. De Wet, W. R. Richardson, W. W. Huffine, J. Deakin, S. P. Sen Gupta, and A. Carpena, joint authors.
Cynodon aethiopicus n. sp., *C. afghanus* n. sp., and *C. robustus*, n. sp.
- 63950 HEGNAUER, R. Chemotaxonomy—past and present. *Lloydia* 28(4):267-278. Ref. Dec. 1965. 442.8 L77
Plant taxonomy.
- 63951 HOWARD, R. A. Notes on some plants of Puerto Rico. *Arnold Arboretum. J.* 47(2):137-146. Apr. 1966. 451 Ar6J
Includes n. spp. in *Cordia* and *Solanum*.
- 63952 HOWELL, J. T., and TRUE, G. H. Interesting plants from Nevada County, California. *Leaflet West. Bot.* 10(14):274-278. May 4, 1966. 450 L47
- 63953 HOWELL, J. T. *Lotus pedunculatus* in the Pacific States. *Leaflet West. Bot.* 10(14):272-273. May 4, 1966. 450 L47
- 63954 HOWELL, J. T. Notes on *Gaultheria* in California. *Leaflet West. Bot.* 10(14):270-272. Ref. May 4, 1966. 450 L47
- 63955 KASAPLIGIL, B. *Additamenta ad floram Jordanicae*. *Arnold Arboretum. J.* 47(2):160-170. Apr. 1966. 451 Ar6J
Text in English.
Includes n. sp. in *Artriplex*.
- 63956 KHARKEVICH, S. S. New habitat of *Vesicaria graeca* Reut. rare in the Caucasus. (Ukr) *Ukr. Bot. Zhur.* 22(5):89-90, map. 1965. 450 J8212J
- 63957 KOIE, M., and RECHINGER, K. H. *Symbolae afghanicae*; enumeration and descriptions of the plants collected by L. Edelberg and M. Koie on "The 3rd Danish Expedition to Central Asia" and by G. Kerstan, W. Koelz, H. F. Neubauer, O. H. Volk, and others in Afghanistan. VI. *Danske Videnskabernes Selskab. Biol. Skr.* 14(4), 94 p. 1965. 442.9 D23B
Includes n. spp. in *Kobresia*, *Carex*, *Erianthus*, *Bromus*, *Puccinellia*, *Stipa* and *Agropyron*.
- 63958 KONIGS, G., and WESKAMP, W. The *Parodia* family. 6. (Du) *Succulenta* 45(4):55-58. Apr. 1966. 450 Su12
- 63959 KOPP, L. E. A taxonomic revision of the genus *Persea* in the Western Hemisphere (Perseae-Lauraceae). *N. Y. Bot. Gard. Mem.* 14(1), 117 p. Ref. Mar. 15, 1966. 451 N48
Includes n. spp.
- 63960 KOVACHEV, I. On the system of genus *Amaranthus* L. *Bulgarska Akad. Nauk. Dokl.* 18(7):647-650. Ref. 1965. 512 So2
- 63961 KOZHUKHAROV, S. The species of genus *Medicago* L. (lucerne) in Bulgaria. (Bu) *Bulgarska Akad. Nauk. Bot. Inst. Izv.* 15:119-188, map. Ref. 1965. 451 B87
English summary.
- 63962 LIANG, G. H. L., and CASADY, A. J. Quantitative presentation of the systematic relationships among twenty-one sorghum species. *Crop Sci.* 6(1):76-79. Jan./Feb. 1966. 64.8 C883
- 63963 LONNQVIST, B. *Oenanthe aquatica* (L.) Poir found in southern Travastland. (Sw) *Soc. Fauna Flora Fenn. Mem.* 41:41. 1964/65. 511 H365Me

- 63964 MARTINEZ ZAMORA, P. Studies on the primary xylem elements in the order Ranales (Sensu lato): a systematic survey. Diss. Abs. 26(10):5683. Apr.1966. 241.8 M58
- 63965 MAZE, J. R. Past hybridization between *Quercus macrocarpa* Michx. and *Quercus gambelii* Nutt. and its phylogeographic implications. Diss. Abs. 26(10):5677-5678. Apr.1966. 241.8 M58
- 63966 MOLSEED, E. W. The systematics of Tigridia (Iridaceae) of Mexico and Central America. Diss. Abs. 26(10):5678. Apr.1966. 241.8 M58
- 63967 MRAZ, K., and SAMEK, V. Lesni rostliny [Forest plants]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 349 p. Ref. SB439.M7 Chiefly wild flowers.
- 63968 NEAL, M. C. In gardens of Hawaii. Rev. ed. Honolulu, Bishop Mus. Press, 1965. 924 p. (Bernice P. Bishop Museum. Special Publication 50) QK473.H4N4
Flora: Spermatophyta and Pteridophyta.
- 63969 NEDKVITNE, K. European alder (*Alnus glutinosa*) at Voss. (No) Blyttia 24(1):35-36. 1966. 450 B622
- 63970 NOORDWIJK, J. A. Orchids in Nepal. (Du) Orchideeen (n.s.)27(6):127-130. Dec.1965. 80 Or182
- 63971 OCHOA, C. Chromosome counts and systematic determination of native potatoes grown in the South of Peru. (Sp) An. Cient. 2(1):1-41, map. Ref. Jan./Mar.1964. 9.8 An1
English summary.
- 63972 PEDERSEN, A. The distribution of the Rosaceae within Denmark. I. (Da) Bot. Tidsskr. 61(3):145-270, map. Ref. 1965. 450 B654
English summary.
- 63973 PETROV, S. Distribution of *Carex depauperata* Good and *Tozzia alpina* L. in Bulgaria. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:281-283. 1965. 451 B87
German summary.
- 63974 POLUNIN, O., and HUXLEY, A. Flowers of the Mediterranean. Boston, Houghton Mifflin, 1966. 257 p., map. QK297.P6
- 63975 PROKHANOV, YA. I. Genus *Senra* Cavanilles and the character of its distinctions from cotton. 20 p. Transl. 15917
Translation from Akademii Nauk SSSR. Botanicheskii Institut imeni V. L. Komarova. Gerbarii. Botanicheskie Materialy 15:159-176. 1953.
- 63976 PROKHANOV, YA. I. An outline of the new system of cotton (genus *Gossypium* L.). 5 p. Transl. 15918
Translation from Botanicheskii Zhurnal 32(2): 61-64. 1947.
- 63977 PROKHANOV, YA. I. Outline of the new system of cotton, genus *Gossypium* L. 21 p. Transl. 15919
Translation from Botanicheskii Zhurnal 33(4): 423-437. 1948.
- 63978 PROKOPIOS, I. H. Taxonomy and description of citrus species of interest for Greece. (Gre) Georgikon Delt. (ser.3)18:53-65. 1965. 21 G29
English summary.
- 63979 RINGLER, M. Must the native snowbell [*Galanthus nivalis*] die out? (Ge) Bl. Naturschutz 45(4):88-89. Nov.1965. 279.8 B61
Need for protection.
- 63980 RITTER, F. *Eriocactus magnificus* Ritter spec. nova. (Du) Succulenta 45(4):50-53. Apr.1966. 450 Su12
- 63981 RITTER, F. *Neoporteria laniceps* Ritter. (Du) Succulenta 45(3):36-37. Mar.1966. 450 Su12
- 63982 RUDD, V. E. *Acacia cochliacantha* or *Acacia cymbispina* in Mexico? Leaflet. West. Bot. 10(14):257-262, map. May 4, 1966. 450 L47
- 63983 SCHANK, S. C., and others. Agronomic and cytotoxic comparisons between *Digitaria decumbens* and *D. pentzii*. Crop Sci. 6(1):82-83. Jan./Feb.1966. 64.8 C883
H. F. Decker, G. B. Killinger, and R. J. Allen, joint authors.
Taxonomy; includes chromosome count.
- 63984 SCHUBERT, B. G. Studies in Dioscorea. I. A collection from British Honduras. Arnold Arboretum. J. 47(2):147-159. Apr.1966. 451 Ar6J
Includes n. sp.
- 63985 SMYK, G. K. Interesting botanical finds on the Slovech-Ovruch Ridge. (Ukr) Ukr. Bot. Zhur. 21(4):101-102. Ref. 1964. 450 J8212J
Trees.
- 63986 SOKOLOV, S. YA., and SVYAZEYA, O. A. Geografiya drevesnykh rastenii SSSR [Geography of woody plants in USSR], v. 7. Moskva, Nauka, 1965. 264 p., map. Ref. 459.2 Ak1D
- 63987 SOTERIADES, S. E. Contribution to the botanical classification of the native *Arachis hypogaea*. (Gre) Georgikon Delt. (ser.3)18:209-227. Ref. 1965. 21 G29
English summary.
- 63988 STEFANOV, B. Study of two new, not yet described species of Bulgarian flora. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:191-199. 1965. 451 B87
German summary.
Sedum tschernokolevii n. sp. and *Verbascum minutiflorum* n. sp.
- 63989 SYMPOSIUM ON CHEMOTAXONOMY, KINGSTON, RHODE ISLAND, 1965. [Papers]. Lloydia 28(4):267-341. Ref. Dec.1965. 442.8 L77
Sponsored by the American Society of Pharmacognosy, the Society of Economic Botany, and the National Institutes of Health.
- 63990 TERPO, A. Problems of species concept in cultivated plants. II. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):67-79, map. Ref. 1964, pub. 1965. 80 B85
German summary.
- 63991 TOVAR, O. Revision de las especies peruanas del genero *Poa* [Revision of the Peruvian species of *Poa*]. Univ. Nac. Mayor San Marcos. Mus. Hist. Natur. "Javier Prado." Mem. 15, 66 p. 1965. 410.9 Un32M
English summary.
Includes n. spp.
- 63992 VERTS, B. J., and MOHLENBROCK, R. H. The Illinois taxa of *Paspalum*. III. State Acad. Sci. Trans. 59(1):29-38, map. 1966. 500 IL6
- 63993 VULJK, J. *Flos susannae* or *Suzanne flower* [*Orchis susannae*]. (Du) Orchideeen (n.s.)27(5):109-111. (Cont.) Oct.1965. 80 Or182
- 63994 VULJK, J. *Flos susannae* or *Suzanne flower* [*Orchis susannae*]. (Du) Orchideeen (n.s.)27(6):132-134. (Cont.) Dec.1965. 80 Or182
- 63995 WIKLUND, H. *Stellaria holostea* as an adventitious plant in Finland. (Sw) Soc. Fauna Flora Fenn. Mem. 41:13-14, map. 1964/65. 511 H365Me
- 63996 WIRTH, M., ESTABROOK, G. F., and ROGERS, D. J. A graph theory model for systematic biology, with an example for the *Oncidiinae* (Orchidaceae). Syst. Zool. 15(1):59-69. Mar.1966. 410 Sy8
- 63997 WOOD, C. E. On the identity of *Drosera brevifolia*. Arnold Arboretum. J. 47(2):89-99. Apr. 1966. 451 Ar6J

Pteridophytes

- 63998 HAEGGSTROM, C. A., and NIEMI, A. On the spores of *Botrychium boreale* Milde and *B. lunaria* (L.) Sw. (Sw) Soc. Fauna Flora Fenn. Mem. 41:65-70. Ref. 1964/65. 511 H365Me
English summary.
With reference to the taxonomic position.
- 63999 SAH, S. C. D. *Sphenopteris sakrigaliensis* sp. nov., a fern from the Rajmahal Hills, Bihar. Cur. Sci. 35(3):69-70. Feb.5, 1966. 475 Sci23

Bryophytes

- 64000 BARKMAN, J. J., and GROENHUIJZEN, S. The spring excursion to Northwest-Germany. (Du) Buxbaumia 19(1/2):1-29. Ref. Nov.1965. 450 B98
English summary.
Finds of Musci and Hepaticae.

- 64001 BICKEL, D. A revised checklist of Kentucky mosses. Ky. Acad. Sci. Trans. 26(1/2):1-11, map. 1965. 500 K41
- 64002 BOOY, C. J. The moss flora of Oss and environment. (Du) Buxbaumia 19(1/2):33-39. Nov.1965. 450 B98
English summary.
- 64003 KOPONEN, T., and SUOMINEN, J. Mosses from the rock faces in Lammi Commune, southern Finland. Soc. Fauna Flora Fenn. Mem. 41:42-58, map. Ref. 1964/65. 511 H365Me
- 64004 PARTYKA, L. Y. Contribution to the bryoflora of the Crimea. (Ukr) Ukr. Bot. Zhur. 22(6):90-96. Ref. 1965. 450 J8212J
English summary.
- 64005 PARTYKA, L. Y. Moss groupings and their participation in the vegetative cover of the main ridge of the Crimean Mountains. (Ukr) Ukr. Bot. Zhur. 23(1):75-81. 1966. 450 J8212J
English summary.
- 64006 PECIAR, V. Entosthodon hungaricus Boros in low-lands of the Eastern Slovakia. (Cz) Biologia [Bratislava] 21(1):39-44. Ref. 1966. 442.8 B5265
German summary.
Funaria hungarica.
- 64007 VETH, J. A. C., and KOOPMANS, A. N. An extraordinary locality for Aulacomnium palustre. (Du) Buxbaumia 19(1/2):40. Nov.1965. 450 B98
- Algae
- 64008 ASAUL, Z. I. New species of the genus Gyropaigne Skuja found in the Ukraine. (Ukr) Bot. Zhur. 23(1):69-70. 1966. 450 J8212J
English summary.
- 64009 ASAUL, Z. I. Study of Euglenophyta of the steppe belt rivers in the Ukraine. (Ukr) Ukr. Bot. Zhur. 21(6):76-80. Ref. 1964. 450 J8212J
English summary.
- 64010 BARASHKOV, G. K. Methods for quantitative estimation of coastal algae. (Rus) Murmansk. Morskoi Biol. Inst. Tr. 8(12):8-12. 1965. 442.9 M94T
Abstracted in Ref. Zh. Biol. 22(sect.V):3. Nov.1965. 241.7 R25
- 64011 CEDERCREUTZ, C. Distribution of Oedogoniaceae in Eastern Fennoscandia. (Ge) Soc. Fauna Flora Fenn. Mem. 41:15-31. Ref. 1964/65. 511 H365Me
- 64012 EBERLY, W. R. Notes on some new and rare Myxophyceae in laboratory culture. Amer. Microscop. Soc. Trans. 85(1):130-138. Ref. Jan.1966. 440.9 Am33
Includes Oscillatoria baltica n. sp. and Raphidiopsis longisetae n. sp.
- 64013 EDELSTEIN, T. The phytoplankton of Spring Lake, Michigan. Hydrobiologia 27(1/2):137-145, map. Ref. Jan.31, 1966. 410 H992
- 64014 GEITLER, L. On the alleged relationship between Cyanophyceae and Rhodophyceae. (Ge) Deut. Bot. Ges. Ber. 78(3):101-103. Ref. 1965. 451 D48
Taxonomy.
- 64015 GOLUBIC, S. Hammatoidea normanni W. and G. S. West, a blue alga seldom found in the littoral zone of Lake Titisee. (Ge) Arch. Hydrobiol. 61(4):494-499. Ref. Jan.1966. 410 Ar28
English summary.
- 64016 HALLGRIMSSON, H. A freshwater Florideae on Iceland. (Ic) Natuurfræðingurinn 35(1):5-9. May 1965. 410 N2142
French summary.
Lemanea condensata.
- 64017 HINDAK, F. Elakatothrix inflexa, species nova. Preslia 38(1):83. 1966. 450 P92
Part of the text in English.
- 64018 HOHN, M. H., and HELLERMAN, J. New diatoms from the Lewes-Rehoboth Canal, Delaware and Chesapeake Bay area of Baltimore, Maryland. Amer. Microscop. Soc. Trans. 85(1):115-130. Jan.1966. 440.9 Am33
New spp. in Achnanthes, Amphiprora, Amphora, Biddulphia, Cocconeis, Coscinodiscus, Cymbella, Diploneis, Fragilaria, Frustulia, Gomphonitzschia, Gyrosigma, Navicula, Nitzschia, Rhaphoneis, Surirella, and Synedra.
- 64019 ISAACSON, P. A. First record for the green alga, Chaetomorpha nodosa Kützinger in United States waters. Ky. Acad. Sci. Trans. 26(1/2):47. 1965. 500 K41
- 64020 KESSLER, E. Physiological and biochemical contributions to the taxonomy of the genus Chlorella. I. Acid resistance as a taxonomic characteristic. (Ge) Arch. Mikrobiol. 52(4):291-296. Ref. 1965. 442.8 Ar26
English summary.
- 64021 MARKOSYAN, A. K. Extent and biomass of the aquatic Charophyta and mosses in Lake Sevan. 6 p. (TT 63-15903) Transl. 15264
Translation from Sevanskaya Gidrobiologicheskaya Stantsiya. Trudy 12:29-34. 1951.
Issued by CFSTI.
- 64022 MATHIESEN, L. On Leathesia difformis and other algae from the Aland SW-Archipelago. (Sw) Soc. Fauna Flora Fenn. Mem. 41:71-77, map. Ref. 1964/65. 511 H365Me
English summary.
- 64023 MOKIEVSKII, O. B. On the littorals of the China Seas. 6 p. (JPRS 4872) Transl. 14875
Includes distribution of algae.
Translation from Priroda [Moscow] 6:93-97. 1961.
- 64024 PINEVICH, V. V., VERZILIN, N. N., and STEPANOV, S. I. A standard installation for mass culture of unicellular algae. (Rus) Fiziol. Rast. 11(6):1084-1089. Ref. 1964. 450 F58
English summary.
- 64025 SAFONOVA, T. A. Algae in water bodies of flood plain area of lower reaches of the River Ob and adjoining regions of forest-tundra. (Rus) Novosibirsk. Tsent. Sibirskii Bot. Sad. Trudy 8:130-147. 1964. 451 N853
Abstracted in Ref. Zh. Biol. 20(sect.V):2. Oct.1965. 241.7 R25
- 64026 SOUTH, G. R. A record of Chorda tomentosa Lyngb. in the Gulf of Finland. Soc. Fauna Flora Fenn. Mem. 41:5-6. 1964/65. 511 H365Me
- 64027 SPURIS, Z. D. Aquatic plants in lakes of northern part of eastern Latvian lowland. (Rus) Riga. Zinatnu Akademija. Institut Biologii. Rastitel'nost' Latviiskoi SSR 4:215-222. 1964. 451 R44
Abstracted in Ref. Zh. Biol. 20(sect.V):24. Oct.1965. 241.7 R25
- 64028 UGOLINI, F. C., and MOUL, E. T. Algae from Mount Suess, Antarctica. Torrey Bot. Club. Bull. 93(2):128-130. Mar./Apr.1966. 451 T63B
- 64029 VODENICHAROV, D. G. Investigations of the genus Botrydium Wallr. in Bulgaria. 7 p. Transl. 14514
Includes n. spp.
Translation from Ukrayins'kyi Botanichnyi Zhurnal 17(4):61-65. 1960.
- 64030 WEIK, K. L. New algal records for Knox County, Illinois. Ill. State Acad. Sci. Trans. 59(1):83-84. 1966. 500 IL6
- 64031 ZENKEVICH, L. A. Fauna and flora of the Aral Lake. 5 p., map. (JPRS 29,870; TT 65-30881) Transl. 15148
Includes phytoplankton.
Translation from Morya SSSR, ikh fauna i flora 1956:367-370.
CFSTI: \$1.00.
- Fungi (Including Lichens)
- 64032 AWASTHI, D. D. Catalogue of the lichens from India, Nepal, Pakistan, and Ceylon. Nova Hedwigia. Beih. 17, 137 p. Ref. 1965. 450 N852

- 64033 BANDONI, R. J., and PARSONS, J. D. Some aquatic Phycomycetes from Pine Hills. III. State Acad. Sci. Trans. 59(1):91-94. 1966. 500 IL6
- 64034 BAUDYS, E. The occurrence of *Boletus felleus* and *Boletus cavipes* in 1965. (Cz) Mykol. Sb. 42(9/10):154-155. Dec.1965. 450 C27
- 64035 CEJP, K. On some species of the order Nidulariales. (Cz) Ceska Mykol. 20(1):29. Jan. 1966. 450 C333
- 64036 DESHPANDE, K. B., and MANTRI, J. M. A new species of *Mortierella* from bean pod. Mycopathol. Mycol. Appl. 27(3/4):223-224. Dec.1, 1965. 450 M994
Mortierella striospora n. sp. from India.
- 64037 DESHPANDE, K. B., and RAJDERKAR, N. R. New species of *Oidiopsis* from Aurangabad Maharashtra (India). Mycopathol. Mycol. Appl. 27(3/4):205-208. Dec.1,1965. 450 M994
Oidiopsis convolvuli n. sp., *O. euphorbiae* n. sp. on *Convolvulus arvensis* and *Euphorbia microphylla* respectively.
- 64038 DESHPANDE, K. B., and DESHPANDE, K. S. A new species of *Stemphylium*. Mycopathol. Mycol. Appl. 27(3/4):203-204. Dec.1,1965. 450 M994
Stemphylium tritici n. sp.
- 64039 DIAS, M. R. DE S. Activity in mycological systematics research. (Por) Agron. Lusitana 25 (2):91-99. 1963, pub.1966. 105.7 Ag8
Includes publications of the National Agromonomical Station on the subject.
- 64040 DIAS, M. R. DE S., and LUCAS, M. T. Fungi Lusitaniae. Agron. Lusitana 26(1):5-19. 1964, pub.1965. 105.7 Ag8
English summary.
- 64041 DUDKA, I. A. Aquatic Hyphomycetes of the southern part of the woodland in the Kiev region. (Rus) Bot. Zhur. [Moscow] 51(4):562-566. Ref. Apr.1966. 451 R923
- 64042 DUDKA, I. A. Composition of the mycoflora of polluted basins in the vicinity of Kiev. (Ukr) Ukr. Bot. Zhur. 23(1):71-74. Ref. 1966. 450 J8212J
English summary.
- 64043 ENGEL, F. M. Das grosse Buch der Pilze; eine Pilzkunde [The big book of the fungi; mycology]. Munchen, Keyzersche Verlagsbuchhandlung, 1965. 216 p. Ref. (Keyzers Nachschlage Werke) QK617.E5
Includes illustrations.
- 64044 FELL, J. W. Bionomics and physiological taxonomy of marine occurring yeasts. Diss. Abs. 26(10):6059. Apr.1966. 241.8 M58
- 64045 FOLKERTS, G. W., and MOHLENBROCK, R. H. Myxomycetes in southern Illinois. III. State Acad. Sci. Trans. 59(1):87-90. 1966. 500 IL6
- 64046 FRAGNER, P. *Trichophyton rubrum* (Cast.) Sabouraud var. *nigricans* var. *nova*. (Cz) Ceska Mykol. 20(1):27-28. Jan.1966. 450 C333
Latin summary.
- 64047 FUNK, A. *Ascoconidium tsugae* n. sp. associated with bark diseases of western hemlock in British Columbia. Can. J. Bot. 44(3):219-222. Mar.1966. 470 C16C
- 64048 GOTO, S. Rural topics on mushrooms in Aki-ta Pref. 3. (Ja) Mycol. Soc. Jap. Trans. 6(1):37-38. Aug.20,1965. 451 N622
Identification of edible and poisonous mushrooms.
- 64049 HANUS, L. *Acetabula vulgaris* Fuck. (Cz) Mykol. Sb. 43(1/2):26-27. Mar./Apr.1966. 450 C27
- 64050 HANUS, L. *Agaricus bisporus* Sing. (Lange-Pilat). (Cz) Mykol. Sb. 42(9/10):140-141. Dec.1965. 450 C27
- 64051 HANUS, L. Two occurrences of fungi in January. (Cz) Mykol. Sb. 42(9/10):141-143. Dec. 1965. 450 C27
Crepidotus variabilis and *Tubaria furfuracea*.
- 64052 HLAVACEK, J. Vernal Pezizales. III. (Cz) Mykol. Sb. 43(1/2):1-12. Mar./Apr.1966. 450 C27
- 64053 JONES, E. B. G., and SLOOFF, W. C. *Candida aquatica* sp.n. isolated from water scums. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(2):223-228. Ref. 1966. 448.8 N28A
- 64054 KOPACHEVS'KA, E. H. New and rare lichens of the Crimea. (Ukr) Ukr. Bot. Zhur. 22(6):42-44. Ref. 1965. 450 J8212J
English summary.
- 64055 KOVAL', E. Z. Data on the study of mycophilous fungi in the Ukraine. (Ukr) Ukr. Bot. Zhur. 21(5):58-64. Ref. 1964. 450 J8212J
English summary.
- 64056 KUNS, K. *Gyromitra esculenta* var. *alba* Pilat. (Cz) Mykol. Sb. 43(1/2):28. Mar./Apr.1966. 450 C27
- 64057 LAZO, W. R. Notes and illustrations of Myxomycetes from Chile and other countries. Mycologia 58(1):67-79. Jan./Feb.1966. 450 M99
- 64058 LUTHER, H., and LUTHER, I. On *Boletus miniatoporus* Secr. in Finland, with notes on its nomenclature. (Sw) Soc. Fauna Flora Fenn. Mem. 41:32-36. Ref. 1964/65. 511 H365Me
English summary.
- 64059 MENZINGER, W. Variability and taxonomy of species and forms of the genus *Botrytis* Mich. I-II. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(2):141-196. Ref. 1966. 448.3 C33
- 64060 MISRA, P. C. A new species of *Cunninghamella*. Can. J. Bot. 44(4):441-444. Can. J. Bot. 44 (4):441-444. Apr.1966. 470 C16C
Isolated from forest soil.
- 64061 MORAVEC, J. *Verpa digitaliformis* Pers. ex Fr., var. *Krombholzii corda*. (Cz) Mykol. Sb. 43(1/2):24-26. Mar./Apr.1966. 450 C27
- 64062 NOZDRENKO, M. V. Fungi of ornamental plants collected in cities of Novosibirsk Region. (Rus) Novosibirsk. Tsent. Sibirskii Bot. Sad. Trudy 8:196-204. 1964. 451 N853
Includes list of plant hosts.
Abstracted in Ref. Zh. Biol. 20(sect.V):9. Oct.1965. 241.7 R25
- 64063 PILAT, A. Aspen mushrooms [*Boletus*] in Bohemian fir woods. (Cz) Mykol. Sb. 42(9/10):129-132. Ref. Dec.1965. 450 C27
- 64064 PILAT, A. An interesting variety of *Amanita phalloides* with a distinctive striated ring (var. *moravecii* var. n.). (Cz) Ceska Mykol. 20(1):25. Jan.1966. 450 C33
- 64065 POPPE, J. Toad-stools on living plants in the Ghent area. Int. Symp. Crop Protect. [Pap.], 17th Symp.:109. 1965. 464.9 In834
- 64066 POUZAR, Z. *Micromphale carneo-pallidum* spec. nov., a new steppe fungus similar to *Marasmius oreades*. (Cz) Ceska Mykol. 20(1):18-24. Jan.1966. 450 C333
English summary.
- 64067 POUZAR, Z. Two interesting species of the family Boletaceae: *Boletus truncatus* and *Boletus subtomentosus* var. *leguei*. (Cz) Ceska Mykol. 20(1):1-7. Jan.1966. 450 C333
English summary.
Nomenclature and taxonomy.
- 64068 RADULESCU, E., and NEGRU, A. A contribution to the study of the mycoflora of the seed coat of seeds. (Rum) Probl. Agr. [Bucharest] 17(12):37-42. Dec.1965. 21 R862
English summary.
Field crops.
- 64069 RAO, R. A new species of *Tympanopsis* from India. Mycopathol. Mycol. Appl. 27(3/4):238-240. Dec.1,1965. 450 M994
Tympanopsis lantanae n. sp.
- 64070 REID, J., and BOOTH, C. The genus *Flageoletia* (Sacc.) Hohn. Can. J. Bot. 44(4):445-451. Ref. Apr.1966. 470 C16C
- 64071 REID, J., and PIROZYNSKI, K. A. A new *Loculoascomycete* on *Abies balsamea* (L.) Mill. Can. J. Bot. 44(3):351-354. Mar.1966. 470 C16C
New sp. in *Pseudoscypha* n. g. associated with needle blight.

- 64072 REMACLE, J. Ascomycetes colonisateurs de la rhizosphere de quelques plantes [Ascomycetes colonizing the rhizosphere of some plants]. *Lejeunia* (n.s.) 33, 16 p. Ref. Mar. 1965. 450 L532
- 64073 RUTHERFORD, T. C. A survey of aquatic lignifolous fungi in the area about Blacksburg, Virginia. *Diss. Abs.* 26(10):5680-5681. Apr. 1966. 241.8 M58
- 64074 SANTA MARIA, J. Characteristics delimiting the genus *Pichia* Hansen. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(2):197-201. 1966. 448.8 N28A
- 64075 SEBEK, S. Keys for the identification of Czechoslovak *Morchellaceae*. (Cz) *Mykol. Sb.* 43(1/2):19-24. Mar./Apr. 1966. 450 C27
Species of the genera *Morchella*, *Mitrophora* and *Verpa*.
- 64076 SEQUEIRA, M. P. DA S. DE, and VARENNES E MENDONCA, A. A. DE. *Erysiphaceae* Lusitaniae. *Agron Lusitana* 26(1):21-43. 1964, pub. 1965. 105.7 Ag8
Text also in Portuguese.
- 64077 SESHADRI, V. S. A new species of *Helicospira* from India. *Mycopathol. Mycol. Appl.* 27(3/4):339-341. Dec. 1, 1965. 450 M994
Helicospira microphora n. sp.
- 64078 SEYMOUR, R. L. A revision of the genus *Saprolegnia*. *Diss. Abs.* 26(10):5681. Apr. 1966. 241.8 M58
- 64079 SHOEMAKER, R. A. *Pseudomassaria sepincolaeformis* and *Neottiospora caricina* in Canada. *Can. J. Bot.* 44(3):255-258. Mar. 1966. 470 C16C
- 64080 SINGH, S. *Termitomyces albuminosus* (Berk.) Heim on active mounds of *Odontotermes obesus* (Rambur) Holmgren. *Timer Dryers' Preserv. Ass. India. J.* 11(4):6-7. Oct. 1965. 300.9 T48J
Description of the fungus.
- 64081 SMERLIS, E., and SAINT-LAURENT, M. Observations on the imperfect state of *Leptosphaeria faullii* Darker. *Can. J. Bot.* 44(3):361. Mar. 1966. 470 C16C
In culture.
- 64082 SMITH, A. H. Notes on *Dendrogaster*, *Gymnoglossum*, *Protoglossum* and species of *Hymenogaster*. *Mycologia* 58(1):100-124. Ref. Jan./Feb. 1966. 450 M99
Includes n. spp. in *Hymenogaster*.
- 64083 SMITH, A. H., and ZELLER, S. M. A preliminary account of the North American species of *Rhizopogon*. *N. Y. Bot. Gard. Mem.* 14(2), 177 p. Ref. Mar. 15, 1966. 451 N48
Includes n. spp.
- 64084 SMOTLACHA, M. *Agaricus villaticus* Brond. in the Baltic Sea area. (Cz) *Mykol. Sb.* 43(1/2):30-31. Mar./Apr. 1966. 450 C27
- 64085 SVOBODOVA, Y. *Chmelia Slovaca* gen. nov. a dematiaceous fungus, pathogenic for man and animals. (Cz) *Biologia [Bratislava]* 21(2):81-88. Ref. 1966. 442.8 B5265
- 64086 SVRCEK, M. Distribution of *Melanogaster tuberiformis* Corda in the Central Bohemia. (Cz) *Ceska Mykol.* 20(1):28. Jan. 1966. 450 C333
- 64087 SVRCEK, M. New varieties of *Discomycetes* from Czechoslovakia. (Cz) *Ceska Mykol.* 20(1):8-17. Jan. 1966. 450 C333
- 64088 SZEMERE, L. *Leucopaxillus rhodoleucus* (Romell) Kuhn. (Ge) *Ceska Mykol.* 20(1):30-31. Jan. 1966. 450 C333
- 64089 TAKALA, K. Notes on the lichen flora of the Parish of Suonenjoki, central Finland. (Fi) *Soc. Fauna Flora Fenn. Mem.* 41:78-86. Ref. 1964/65. 511 H365Me
English summary.
- 64090 TEWARI, V. P., and PANT, D. C. *Ascomycetes* of India. I. *Mycologia* 58(1):57-66. Ref. Jan./Feb. 1966. 450 M99
Includes *Mycocalicium chaudharii* n. sp., and *Octospora kanousae*, n. sp.
- 64091 TILAK, S. T., and ROKDE, B. G. Fungi on *Cryptostegia grandiflora* Br. *Mycol. Appl.* 27(3/4):200-202. Dec. 1, 1965. 450 M994
Menisera cryptostegiae n. sp., *Scolecodothis kamatii* and *Hysterium celeastrina* from India.
- 64092 TYLER, V. E., BENEDICT, R. G., and STUNTZ, D. E. Chemotaxonomic significance of urea in the higher fungi. *Lloydia* 28(4):342-353. Ref. Dec. 1965. 442.8 L77
- 64093 URBAN, Z. On the taxonomy of *Puccinia recondita* Rob. ex Desm. s. l. (Cz) *Ceska Mykol.* 20(1):38-44. Ref. Jan. 1966. 450 C333
- 64094 VESELSKY, J. *Morchella pragensis* Smotlacha 1952. (Cz) *Mykol. Sb.* 43(1/2):12-19. Ref. Mar./Apr. 1966. 450 C27
- 64095 VIENNOT-BOURGIN, G. The detection of ascospore stage of *Oidium euonymi-japonicae*. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4222-4223. Nov. 15, 1965. 505 P21
Proposed name *Microsphaera euonymi-japonici*, n. sp.
- 64096 VOKOUN, F. Purl-spored *Ixocomus* also in Moravia. (Cz) *Mykol. Sb.* 42(9/10):138-139. Dec. 1965. 450 C27
- 64097 WALT, J. P. VAN DER. *Pichia acaciae* sp. n. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(2):159-161. 1966. 448.8 N28A
Text in English
- 64098 WICHANSKY, E. *Clitocybe nebularis* (Batsch. ex Fr.) Quel. var. *alba* Lange. (Cz) *Mykol. Sb.* 42(9/10):136. Dec. 1965. 450 C27
- 64099 WICHANSKY, E. *Conocybe tenera* (Schaeff. ex Fr.) Kuhn. forma *semiglobata* Kuhn. (Cz) *Mykol. Sb.* 42(9/10):136. Dec. 1965. 450 C27
- 64100 WICHANSKY, E. *Coprinus velox* God. ap. Gill. (sensu Lange) in Czechoslovakia. (Cz) *Ceska Mykol.* 20(1):32-33. Jan. 1966. 450 C333
German summary.
- 64101 WICHANSKY, E. *Hebeloma spoliatum* Fr. (Cz) *Mykol. Sb.* 42(9/10):138. Dec. 1965. 450 C27
- 64102 WICHANSKY, E. *Mycena stannea* sensu Ricken and *Mycena tintinabulum* (Fr.) Quel. (Cz) *Mykol. Sb.* 42(9/10):134-135. Dec. 1965. 450 C27
- 64103 WICHANSKY, E. *Omphalia maura* Fr. (Cz) *Mykol. Sb.* 42(9/10):136-137. Dec. 1965. 450 C27
- 64104 WICHANSKY, E. *Phaeocollybia lugubris* (Fr.) Heim and *Macrocystidia cucumis* (Pers. ex Fr.) Heim. (Cz) *Mykol. Sb.* 42(9/10):134. Dec. 1965. 450 C27
- 64105 WICHANSKY, E. *Pholiota marginata* (Batsch.) Quel. (Cz) *Mykol. Sb.* 42(9/10):138. Dec. 1965. 450 C27
- 64106 WICHANSKY, E. *Physarum rubiginosum* Fr. (Cz) *Ceska Mykol.* 20(1):61. Jan. 1966. 450 C333
German summary.
- 64107 WICHANSKY, E. *Pluteus brunneo-ater* Wich. n. sp. (Cz) *Mykol. Sb.* 43(1/2):30. Mar./Apr. 1966. 450 C27
- 64108 WICHANSKY, E. *Pluteus cinereo-fuscus* Lange. (Cz) *Mykol. Sb.* 42(9/10):136. Dec. 1965. 450 C27
- 64109 WICHANSKY, E. *Psathyra chondroderma* Bk. et. Br. (Kuhn.-Romagn.) and *Psathyra marcescibilis* (Britz.) Sing. (Cz) *Mykol. Sb.* 42(9/10):137-138. Dec. 1965. 450 C27
- 64110 WICHANSKY, E. *Stropharia aeruginosa* (Curt. ex Fr.) Quel. var. *calolepis* Pilat at the Kinsky gardens in Prague. (Cz) *Mykol. Sb.* 42(9/10):135. Dec. 1965. 450 C27
- 64111 WICHANSKY, E. *Stropharia inuncta* (Fr.) Quel. (Cz) *Mykol. Sb.* 42(9/10):135. Dec. 1965. 450 C27
- 64112 WICHANSKY, E. Two varieties of *Melanoleuca*: *Melanoleuca polioleuca* (Fr.) Kuhn. et Maire and *Melanoleuca cognata* (Fr.) K. et M. (Cz) *Mykol. Sb.* 43(1/2):29. Mar./Apr. 1966. 450 C27
- 64113 WICHANSKY, E. Two vernal varieties of the genus *Cortinarius*. (Cz) *Mykol. Sb.* 43(1/2):29-30. Mar./Apr. 1966. 450 C27
Cortinarius (*Hydrocybe*) *erythrinus* and *Cortinarius* (*Hydrocybe*) *isabellinus*.
- 64114 WICHANSKY, E. *Verpa digitaliformis* Pers. ex Fr. var. *morchelloides* Krombh. (Cz) *Mykol. Sb.* 43(1/2):26. Mar./Apr. 1966. 450 C27

- 64115 WICHANSKY, W. *Cantharellula cyathiformis* (Bull. ex Fr.) Sing. (Cz) Mykol. Sb. 42(9/10): 137. Dec.1965. 450 C27
- 64116 WOLF, F. A. Fungus spores in East African lake sediments. Torrey Bot. Club. Bull. 93(2): 104-113. Ref. Mar./Apr.1966. 451 T63B
- 64117 ZAVREL, H. Some wood destroying fungi from Podzamec park at Kromeriz. I. (Cz) Mykol. Sb. 42(9/10):149-150. Dec.1965. 450 C27
Polyporellus alveolaris.

PATHOLOGY

General

- 64118 ALBERO, V., and CATALA, J. Frost in the orange zone from the meteorological point of view. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):57-63. Jan./Mar.1965. 389.8 R324
Includes fruit injuries.
- 64119 ALEXANDRI, A., and POLIZU, A. New phyto-pharmaceutical products used in plant protection. (Rum) Probl. Agr. [Bucharest] 17(3):70-76. Mar.1965. 21 R862
Chiefly insecticides, fungicides, and herbicides.
- 64120 ALKAN, B. Some details on the tree squirrels and ground squirrels (Mammalia, Sciuridae) of Turkey; known species, their characteristics, biology, feeding, and habitats. (Tu) Bitki Koruma Bulteni 5(4):151-162. Ref. Dec.1965. 464.8 B542
German summary.
Sciurus and Citellus spp. as plant pests.
- 64121 AMSTEIN, W. G., and others. All-purpose spray schedule and fruit and nut varieties for Kansas, arranged in order of ripening. Kans. State Univ. Agr. Ext. L-50, rev., 4 p. Mar.1966. 275.29 K13Le
C. R. Roberts, R. W. Campbell, F. B. Hadle, E. Eshbaugh, and C. L. King, joint authors.
- 64122 ARROYO VARELA, M. What is the cost of an antiparasitical treatment? (Sp) Cult. Mod. 49(1):8. Jan.1966. 15 C89
Fruit spraying.
- 64123 BARBUT, M. Some problems in plant protection. (Fr) Rev. Agr. France 41:2-3. June 1965. 14 R326
- 64124 BART, G. J., and PARTYKA, R. E. Controlling soil-borne diseases in Ohio nurseries. Ohio. State Univ. Ext. Bull. 463, 8 p. Nov.1965. 275.29 Oh32
- 64125 BEDETTI, G. The calamitous events of the 1964-65 agricultural year. (It) Agr. Ferrarese 69(7):129-134. July 31, 1965. 16 Ag87
Weather damage to fruit.
- 64126 BISSELL, T. L., and SWINK, N. Stop losses from rats and mice. Md. Univ. Ext. Fact Sheet 116, rev., 2 p. Dec.1965. 275.29 M36Fa
- 64127 BOND, D. Leafspot and insect control on peanuts. Auburn Univ. Ext. Circ. P-45, 4 p. June 1965. 275.29 AL14Cp
Chemical control.
- 64128 BOUSH, G. M., and others. 1966 cherry disease and insect control. Wis. Univ. Ext. Spec. Circ. 102, 7 p.-folder. Jan.1966. 275.29 W75S
J. D. Moore, C. F. Koval, and E. K. Wade, joint authors.
Chemical control.
- 64129 BUGHHOLTZ, K. P. Factors influencing oat injury from triazine residues in soil. Weeds 13(4):362-367. Ref. Oct.1965. 79.8 W41
- 64130 BUNEA, I., and BALOIU, S. Organization of plant protection in the Arges region. (Rum) Gradina, Via Livada 14(1):63-67. Jan.1965. 80 G75
Control of pests and diseases.
- 64131 CABALLERO GARCIA DE VINUESA, J. I., and LOPEZ FERRAN, E. Aspects of pesticide toxicity. (Sp) Agricultura [Madrid] 35(407):135-139. Mar.1966. 15 Ag84
Economic poisons used on plants.
- 64132 CAMPRAG, D. Education of plant protection personnel in university schools for plant protection in the Soviet Union. (Se) Savremena Poljoprivreda 13(12):1066-1071. Dec.1965. 21 P75
- 64133 CANADA DEPT. OF FORESTRY. FOREST ENTOMOLOGY AND PATHOLOGY BR. Annual report, year ended March 31, 1965. Ottawa, 1965. 151 p. 423.9 C163
Research programs.
- 64134 COTTON DISEASE COUNCIL. COMMITTEE ON DISEASE LOSSES. Reduction in yield of cotton caused by diseases in 1965. Plant Dis. Rep. 50(5):350. May 1966. 1.9 P69P
- 64135 DAVIDSON, L. G., and IRVINE, J. E. Hurricane Betsy wreaks havoc on cane yields in 1965. Sugar J. 28(11):38-41. Apr.1966. 65.8 Su391
In Louisiana.
- 64136 DAVIS, S. H., and RACE, S. R. Cucurbit pest control (cucumber, muskmelon, squash, and related crops). Rutgers State Univ. Ext. Leaflet. 331-B, 4 p. Feb.1966. 275.29 N46L
Chemical control of diseases and insect pests.
- 64137 DECINO, T. J., CUNNINGHAM, D. J., and SCHAFER, E. W. Toxicity of DRC-1339 to starlings. J. Wildlife Manage. 30(2):249-253. Apr.1966. 410 J827
Control of starlings as crop pests.
- 64138 DISEASES of shade and forest trees of the South. Forest Farmer Manual 25(7):87-89. Mar.1966. 99.551 F76
- 64139 DOHY, J. Pre-sprouting and plant protection of potato. (Hu) Magyar Mezogazdasag 21(13): 15. Mar.30, 1966. 19 M27
Chiefly disease and pest control.
- 64140 D'OLIVEIRA, B. The first 25 years of the Department of Phytopathology [Departamento de Fitopatologia]. (Por) Agron Lusitana 25(2):8-48. Ref., p.45-48. 1963, pub.1966. 105.7 Ag8
Of the National Agronomical Station [Estacao Agronomica Nacional].
- 64141 ERDEI, S. The tasks in May and plant protection. (Hu) Magyar Mezogazdasag 21(20):3-4. May 18, 1966. 19 M27
Disease and pest control of field crops.
- 64142 FALTER, J., and CLAYTON, C. N. Peach disease and insect control in North Carolina. N. C. Univ. Ext. Circ. 407, rev., 18 p. Mar. 1966. 275.29 N811
Chemical control.
- 64143 FERNANDES, A. M. S. S. Selective toxicity of pesticides; problems of resistance. (Por) Agros [Lisboa] 48(1/2):41-50. Ref. Jan./Apr. 1965. 15.5 Ag82
English summary.
Insecticides, fungicides, and herbicides.
- 64144 FERREE, R. J., and NETTLES, W. C. Summer spray schedule for peaches. Clemson Univ. Ext. Inform. Card 72, rev., 2 p. Mar.1966. 275.29 So8I
Insects and fungus diseases.
- 64145 FIGUEIREDO, C. T. DE. Respect the "safety interval" to guarantee your safety and that of others. (Por) Port. Junta Nac. Frutas. Serv. Inform. 275:5-7. Apr.1965. 286.3939 P832
Interval between application of plant pharmaceuticals and harvesting of the crop.
- 64146 GEGENAVA, G. V., and others. Improved method for chemical protection of citrus orchards against pests and diseases. (Geo) Akad. Nauk Gruz. SSR. Inst. Zashch. Rast. Tr. 16:183-200. 1964. 423.92 Ak1
N. O. Nishnianidze, O. N. Seinshvili, and T. A. Deisadze, joint authors.
Cited in Ref. Zh. Biol. 22(sect.E):25. Nov. 1965. 241.7 R25
- 64147 GONZALEZ-SICILIA JUAN, E. Frosts and orange production. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):39-43. Jan./Mar.1965. 389.8 R324
Damage and protection.
- 64148 HALCROW, J. G. Turf disease notes, 1965. Sports Turf Res. Inst. J. 41:53-58. 1965. 60.19 B772
Includes control.

- 64149 HANSON, W. L., MCGHEE, R. B., and BLAKE, J. D. Experimental infection of various latex plants of the family Asclepiadaceae with *Phytomonas elmassiani*. J. Protozool. 13(2):324-327. May 1966. 439.8 J82
- 64150 HEINZE, K. Veröffentlichungen auf dem Gebiet der deutschen landwirtschaftlichen Pflanzenschutzforschung der Jahre 1959-1960 [Publications in the field of German agricultural plant protection in the years 1959-1960]. Berlin-Dahlem, Institut für Gärtnerei Virusforschung der Biologischen Bundesanstalt für Land- und Forstwirtschaft, 1965. 386 p. Ref. Z5074.P4H4
Fourth report as of Dec.31,1960.
Literature review.
- 64151 ILLINOIS. UNIVERSITY. COOPERATIVE EXTENSION SERV. IN AGRICULTURE AND HOME ECONOMICS. Illinois fruit calendar for growers of apples, strawberries, peaches. Ill. Univ. Ext. Circ. 921,12 p.,map. Dec. 1965. 275.29 IL62C
Illinois Natural History Survey, cooperating.
- 64152 INTERNATIONAL SYMPOSIUM ON CROP PROTECTION, 17, GHENT, 1965. [Papers.] Ghent, 1965. 186 p. 464.9 In834
- 64153 IONESCU, N. Plant protection as a means of ensuring high cereal and technical plant yields. (Rum) Probl. Agr. [Bucharest] 17(3):4-7. Mar.1965. 21 R862
- 64154 JACKLIN, S. W., KLARMAN, W. L., and SMITH, F. F. A current look at pest and disease control of outdoor roses. Amer. Rose Annu. 51:68-72. 1966. 81 Am31A
Chemical control; includes insect and weed pests.
- 64155 JACKSON, L. W. R. Key to diseases of southern forest trees. Forest Farmer Manual 25 (7):90-91. Mar.1966. 99.551 F76
- 64156 JOACHIM, H. F. Treatment of poplar stands damaged by brown-speckled scab and measures for its prevention. (Ge) Sozialistische Forstwirtschaft. 15(12):377-378. Dec.1965. 99.8 W143
- 64157 JOHNSON, T. Leaf diseases continue to "rob" growers of profits. Tobacco [New York] 162 (17):61-62. Apr.29,1966. 286.89 T552
- 64158 JONES, S. C., and others. 1966 spray program for apples and pears in the Willamette Valley. Oreg. State Univ. Ext. Circ. 677,rev.,20 p. Feb.1966. 275.29 Or32C
R. W. Every, I. MacSwan, N. D. Dobie, and H. R. Cameron, joint authors.
Insects and diseases.
- 64159 JONES, S. C., and others. 1966 spray program for stone fruits in Oregon. Oreg. State Univ. Ext. Circ. 675,rev.,23 p. Feb.1966. 275.29 Or32C
R. W. Every, I. MacSwan, N. D. Dobie, and H. R. Cameron, joint authors.
Insects and diseases.
- 64160 KAKKAR, R. K. Horizons in plant pathology. I. The "host" and the "parasite": need for a broadened outlook. Mycopathol. Mycol. Appl. 27(3/4):233-237. Dec.1,1965. 450 M994
Discussion of terminology.
- 64161 KITANOVSKI, D. Some data on the work of the plant protection station in Kula. (Se) Biljna Zastita 9(11/12):241-244. Nov./Dec.1965. 464.8 B49
- 64162 KLOTZ, L. J., COGGINS, C. W., and DEWOLFE, T. A. Rind breakdown of navel oranges. Calif. Citrogr. 51(5):174,196,198. Mar. 1966. 80 C125
Caused by rain and cold.
- 64163 KUCHAEVA, A. G., and EGOROVA, S. A. About the penetration of antibiotics into perennial plants. 10 p. Transl. 14530
With reference to control of diseases.
Translation from Mikrobiologiya 24(3). 1955.
- 64164 LANGFORD, M., and REVILLA, V. Enfermedades del café y su control [Coffee diseases and their control]. Peru. Serv. Invest. Promoc. Agr. Bol. Tec. 55,9 p. Feb.1965. 9.8 P439
- 64165 LANGFORD, M., and OSORES, A. Enfermedades del jébe y recomendaciones para su control [Disease of the rubber tree and their control]. Peru. Serv. Invest. Promoc. Agr. Bol. Tec. 63,16 p. Sept.1965. 9.8 P439
Hevea brasiliensis.
- 64166 LEBEAU, J. B. Pathology of winter injured grasses and legumes in western Canada. Crop Sci. 6(1):23-25. Ref. Jan./Feb.1966. 64.4 C833
Includes the snow mold disease caused by a unidentified basidiomycete and its control.
- 64167 LEDBETTER, R. J., and others. Spraying apples. Auburn Univ. Ext. Circ. P-39,7 p. Jan. 1965. 275.29 AL14Cp
S. M. McCarter, U. L. Diener, and J. Bagby, joint authors.
Insects and diseases.
- 64168 LEE, T. T. Chemical regulation of ozone susceptibility in *Nicotiana tabacum*. Can. J. Bot. 44(4):487-496. Ref. Apr.1966. 470 C16C
- 64169 LEMKE, W. A dosage reckoner for plant protection. (Ge) Mitt. Deut. Landwirt.-Ges. 81(16): 685-688. Apr.21,1966. 18 N39
- 64170 LOEWEL, E. L., and others. Vorschläge für die Obstbaumspritzung und die Sortenwahl mit Hinweisen für sonstige Pflegemaßnahmen verbunden mit einem Tagebuch [Recommendations for the spraying of fruit and the choice of varieties with hints for other cultural practices combined with a diary]. Obstbauversuchsring Alten Landes. Mitt. 32,85 p. 1965. 85 J76
H. Reich, H. Bomeke, H. Karnatz, E. Von Vahl, and K. Weissenborn, joint authors.
- 64171 MCCARTER, S. M. Plant diseases and nematodes. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:20-21. 275.29 AL15u
Extension programs on control.
- 64172 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Chemical control of insects and diseases on commercial vegetables; supplement to 1965 edition. Mich. State Univ. Ext. Bull. 312,2 p. May 1966. 275.29 M58B
Fungus diseases.
- 64173 MILES, N., LOFGREN, J. A., and JOHNSON, H. G. Home fruit spray guide. Minn. Univ. Ext. Pam. 184,rev.,8 p.-folder. Apr.1966. 275.29 M66P
Insects and diseases.
- 64174 MILLER, R. L., and RODRIGUEZ, J. G. 1966-insecticide recommendations for the home garden (including disease control recommendations). Ky. Univ. Ext. Misc. 286-C,2 p. Mar. 1966. 275.29 K415M
Vegetables.
- 64175 MITCHELL, R. S., LAMARCHE, V. C., and LLOYD, R. M. Alpine vegetation and active frost features of Pellissier Flats, White Mountains, California. Amer. Midland Natur. 75(2): 516-525, map. Apr.1966. 410 M58
- 64176 MITTERLING, L. A. Bird damage on apples. Amer. Soc. Hort. Sci. Proc. 87:66-72. Dec. 1965. 81 So12
- 64177 NAMBIAR, E. P., NAIR, T. J., and MONEY, N. S. Preliminary studies on the incidence of wilt disease of pepper [*Piper nigrum*] and its relationship to the nitrogen and base status of the soil. Indian J. Agr. Sci. 35(4):276-281. Dec.1965. 22 Ag831
- 64178 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van ziekten, plagen en onkruiden met behulp van het vliegtuig [Control of diseases, pests and weeds with the aid of the airplane]. Neth. Plantenziektenkundige Dienst. Ber. 1663,9 p. Mar.15,1966. 464.9 N38
- 64179 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Interceptions in plant quarantine. Agr. Gaz. New S. Wales 77(2):108. Feb.1966. 23 N472

- 64180 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. New plant disease records. Agr. Gaz. New S. Wales 77(2):106-108. Feb.1966. 23 N472
- 64181 NEW TREE heating system combats killer frosts. Int. Fruit World 25(1):296,299-300,303-304,307-308. Spring 1966. 286.83 F9426 Citrus.
- 64182 OLDEN, E. J. The bullfinch and the poor plum crop. (Sw) Fruktodlaren 36(7/8):131-132. Dec.1965. 86 Sv2F
- 64183 PALIERI, V. Plastics coverings in viticulture. (It) Agricoltura 14(2):103-106. Feb.1965. 16 Ag8226
For plant protection; includes costs.
- 64184 PAULIAN, F., and others. A new product with insectofungicide action for wheat seed treatments. (Rum) Probl. Agr. [Bucharest] 17(3):19-23. Mar.1965. 21 R862
A. Barbulescu, M. T. Neagu, N. Hatmanu, and M. Peiu, joint authors.
English summary.
FB7, a combination of BHC and lindane.
- 64185 PEKO, J. Frost protection in the fruit orchards and vineyards. (Hu) Kerteszeti Szolész. 15(7):6-7. Apr.1966. 80 K474
- 64186 PETERSON, E. A., GILLESPIE, D. C., and COOK, F. D. A wide-spectrum antibiotic produced by a species of *Sorangium*. Can. J. Microbiol. 12(2):221-230. Apr.1966. 448.8 C162
Tested on plant pathogens.
- 64187 PETRIK, C. Problems of the plant protection in People's Republic Rumania and their solution. (Se) Savremena Poljoprivreda 13(9):764-770. Sept.1965. 21 P75
- 64188 PETRIK, C. Technical and scientific service for plant protection in People's Republic Rumania. (Se) Savremena Poljoprivreda 13(12):1060-1065. Dec.1965. 21 P75
- 64189 POPESCU, I., TUTUIANU, G., and LUCA, P. The organization of plant protection action in the Dobrogea Region. (Rum) Probl. Agr. [Bucharest] 17(3):66-69. Mar.1965. 21 R862
- 64190 POWERS, H. R. Tree diseases—the problem and how to meet it. Forest Farmer Manual 25(7):85-86. Mar.1966. 99.551 F76
Southern states.
- 64191 PUCCI, E. Preliminary list of plant diseases observed in Tripolitania from 1959 to 1964; symptoms, damage, control. (It) Riv. Agr. Subtrop. Trop. 59(7/9):337-375. Ref. July/Sept.1965. 26 Ag82
English summary, p.6 of supplement.
- 64192 RACE, S. R., and DAVIS, S. H. Potato pest control. Rutgers State Univ. Ext. Leaflet 348-B, 4 p. Feb.1966. 275.29 N46L
Chemical control of diseases and insect pests.
- 64193 RADULESCU, E., and MANOLACHE, C. Achievements and prospects of scientific research in the field of plant protection. (Rum) Probl. Agr. [Bucharest] 17(3):8-13. Mar.1965. 21 R862
- 64194 RAFAILA, C. Plant protection in the F.P.R. of Yugoslavia. (Rum) Probl. Agr. [Bucharest] 17(3):83-85. Mar.1965. 21 R862
- 64195 RAMAKRISHNAN, K., and others. A method for the evaluation of seed disinfectants using a motor-driven miniature seed dressing machine. Madras Agr. J. 52(2):68-71. Feb.1965. 22 M262
C. L. Subramanian, N. Shanmugam, and K. R. Swaminathan, joint authors.
- 64196 REDDY, D. B. Time to save your potato crop. Intensive Agr. 2(11):24. Jan.1965. 22 In8
Chemical control of insects and diseases in India.
- 64197 ROBERTS, J. E., and others. Spraying apples and pears. Ark. Univ. Ext. Leaflet 239, rev., 8 p.-folder. Apr.1966. 275.29 Ar4Le
G. Barnes, E. J. Allen, and M. C. McDaniel, joint authors.
Insects and diseases.
- 64198 ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying and dusting tomatoes. Ark. Univ. Ext. Leaflet 217, rev., 8 p.-folder. Mar. 1966. 275.29 Ar4Le
Insects and fungus diseases.
- 64199 ROBINSON, L. W. Decline of the saguaro. Amer. Forests 72(5):46,69. May 1966. 99.8 F762
Slow disappearance of this plant caused by diseases and other factors.
- 64200 ROCASOLANO, C. Plant enemies. (Sp) Cult. Mod. 49(3):93-94. Mar.1966. 15 C89
Diseases and pests in Spain.
- 64201 RODRIGUEZ VALLEJO, J. Problems in the control of plant parasites. (Sp) Panagra 5(64):42-46. Feb.1966. 8 P196
Diseases and pests in Mexico.
- 64202 SANCHEZ DEZA, P. Algunos aspectos del combate de roedores daninos aplicables a nuestras zonas agricolas de selva [Some aspects of the control of agricultural rodent pests in our wooded areas]. Lima? Comite Cafetalero del Peru, 1965? 12 p. Ref. SB805.S3
Chiefly chemical control.
- 64203 SCOTT, A. D., and KANAPATHIPILLAI, P. A note on die-back in relation to pre-pruning practice. Ceylon. Tea Res. Inst. Tea Quart. 36(4):190. Dec.1965. 68.18 C33
- 64204 SHORTER, N. H. Leaf scorch of apple trees; precautions needed with permanent overhead sprinkler irrigation. West. Australia. Dep. Agr. J. (ser.4)6(11):675-676. Nov.1965. 23 W52J
- 64205 SLEPYAN, E. I. Physiologic specialization of causal organisms of plant tumors. (Rus) Vses. Entomol. Obschest. Chteniya Pamyati Nikolaya Aleksandrovicha Kholodkovskogo 15:22-23. Ref. 1964. 420 V96
- 64206 SMRZ, J., and DOKIC, P. Protection of sugar beets against pests and diseases in Czechoslovak SSR. (Se) Savremena Poljoprivreda 13(9):757-763. Ref. Sept.1965. 21 P75
- 64207 STEED, J. N. The pros and cons of combining fruit tree sprays. S. Australia J. Agr. 69(7):256-259. Feb.1966. 23 So84
- 64208 SUBRAMONEY, N. Injury to paddy seedlings by production of H₂S under field conditions. Indian Soc. Soil Sci. J. 13(2):95-98. June 1965. 56.9 In2
- 64209 SUNKIST GROWERS. PEST CONTROL DEPT. Citrus pest control treatments for Sacramento Valley. Calif. Citrogr. 51(7):284-287. May 1966. 80 C125
Disease and insect pests; chemical control.
- 64210 THANASOPOULOS, K. Phytopathology and its contribution to society. (Gre) Delt. Agrotikes Trapezes 146:22-25. Sept./Oct.1965. 21.7 D38
- 64211 TOLER, R. W., and WESTER, R. E. A survey of lima bean diseases in the South, 1965. Plant Dis. Rep. 50(5):316-317, map. May 1966. 1.9 P69P
- 64212 TVALAVADZE, YU. I., ENDELADZE, N. I., and PARULAVA, N. I. Study of pests and diseases of grain and specification of means in their control in the mountain areas of eastern Georgia. (Rus) Akad. Nauk Gruz. SSR. Inst. Zashch. Rast. Tr. 16:45-53. 1964. 423.92 Ak1
Cited in Ref. Zh. Biol. 22(sect.E):8. Nov. 1965. 241.7 R25
- 64213 UBRIZSY, G., and VOROS, J. The importance of antibiotics in plant protection. (Hu) Magyar Mezogazdasag 21(6):13. Feb.9,1966. 19 M27
Plant disease control.
- 64214 UBRIZSY, G. New trends in phytopathological research. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(1/2):135-141. 1966. 19 B855
Review of the literature.
- 64215 U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. List of intercepted plant pests, 1965 (Pests recorded from July 1, 1964, through June 30, 1965), compiled by B. C. Mumford. Hyattsville, Md., 1966. 88 p. 1 F31S
Insect pests and plant diseases.
- 64216 VASVARY, L. M. Mole control. Rutgers State Univ. Ext. Leaflet 214-A, 4 p. Apr.1966. 275.29 N46L
Pests of plants.

- 64217 VOITENKO, G. A. Toxicology of certain organic and inorganic arsenic compounds with pesticidal activity. (Rus) *Farmakologiya i toksikologiya* 1:156-160. 1964. Not in Libr. Use in agriculture.
Abstracted in Ref. Zh. Khim. 19(sect.I):33. Oct.1965. 241.64 R252
- 64218 VUCIC, N., and others. The effect of irrigation method on the intensity of disease occurrence, yield and quality of sunflower in 1964. (Se) *Savremena Poljoprivreda* 13(11): 905-912. Nov.1965. 21 P75
M. Acimovic, J. Vucic, and B. Jocić, joint authors.
English summary.
- 64219 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Spray recommendations for tree fruits in eastern Washington. Wash. State Univ. Ext. Bull. 419, rev., 34 p. Jan.1966. 275.29 W27P
Insects and diseases.
- 64220 WRIGHT, J. Burdekin growers—do you know your quarantine regulations? *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull.* 29(4):129-130, map. Apr.1, 1966. 65.9 Q3C
- 64221 ZABALA, S., and VAZQUEZ DE RAMALLO, N. E. Sugarcane diseases in Tucuman. (Sp) *Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman* 42(2/3):1-21. (Cont.) Ref. May 1960/Dec.1964. 9 T79
- 64222 ZWATZ, B. Plant protection problems in grain culture. (Ge) *Forderungsdienst* 13(5): 157-160. May 1965. 19 F75
Disease control in Austria.
- Diseases Caused by Fungi
- 64223 ACHILOVA, S., and KUCHAEVA, A. Distribution of Actinomycetes antagonistic to cotton fungus diseases on grey soils in Uzbekistan. (Rus) *Uz. Biol. Zhur.* 1:19-22. 1965. 442.8 Uz1
Abstracted in Ref. Zh. Biol. 22(sect.B):46. Nov.1965. 241.7 R25
- 64224 ACIMOVIC, M. Comparative value of some fungicides in the protection of hops against *Pseudoperonospora humuli* (Miy. et Tak.) Wils. (Se) *Savremena Poljoprivreda* 13(5):453-463. May 1965. 21 P75
English summary.
- 64225 AGNIHOTHRUDU, V. A note on the occurrence of *Allescheriella crocea* (Montagne) Hughes, in the coffee estates of Mysore. *Cur. Sci.* 35(3): 76-77. Feb.5, 1966. 475 Sci23
- 64226 AHMED, N., and AHMED, Q. A. Possibility of using a bacterial antagonist against fungal diseases of Piper betle L. and *Corchorus* spp. *Mycopathol. Mycol. Appl.* 27(3/4):273-279. Dec.1, 1965. 450 M994
- 64227 ARNOUX, P. Excoriosis. (Fr) *Tunis. Ecole Nat. Super. Agr. Bull. Bull. Trim.* 7:27-32. June 1965. 24 T838
Caused by *Guignardia baccae* on grapes.
- 64228 AULAKH, K. S. Rice, a new host of *Curvularia veruculosa*. *Plant Dis. Rep.* 50(5):314-316. May 1966. 1.9 P69P
India.
- 64229 BASHAM, J. T. Heart rot of jack pine in Ontario. I. The occurrence of Basidiomycetes and microfungi in defective and normal heartwood of living jack pine. *Can. J. Bot.* 44(3):275-295, map. Ref. Mar.1966. 470 C16C
- 64230 BATRA, S. K., and BAJAJ, B. S. Effect of an antifungal antibiotic, Pentaene G8, on chili seed microflora and stem rust of wheat. *Plant Dis. Rep.* 50(5):299-300. May 1966. 1.9 P69P
Produced by *Streptomyces anandii* in India.
- 64231 BEHERA, B. C. Fungal diseases reduce potato profits. *Indian Farming* 15(10):12-14. Jan. 1966. 22 In283
- 64232 BIESBROCK, J. A., and BOYCE, J. S. Fruiting of *Polyporus tomentosus* in a Georgia slash pine plantation. *Plant Dis. Rep.* 50(5): 360. May 1966. 1.9 P69P
- 64233 BIRAGHI, A. Intensive control of the olive *Cyclonum* [C. oleaginum]. (It) *Riviera Fiori* 19(4):13-14. Apr.1965. 287 R52
- 64234 BLOOMBERG, W. J. The occurrence of endophytic fungi in Douglas-fir seedlings and seed. *Can. J. Bot.* 44(4):413-420. Ref. Apr.1966. 470 C16C
- 64235 BOBES, I., and PERSECA, E. Controlling the loose smut [*Ustilago nuda*] by complex measures. (Rum) *Probl. Agr. [Bucharest]* 18(3):80-85. Mar.1966. 21 R862
Barley.
- 64236 BOMAR, M., JEDLINSKI, Z., and HIPPE, R. Antifungal activity of some 3-phenoxy-1,2-epoxypropane derivatives. *Folia Microbiol.* 2: (2):155-158. 1966. 448.3 C332
- 64237 BOMAR, M. Inhibitory effect of the vapours of antifungal compounds on *Aspergillus niger*. *Folia Microbiol.* 11(1):51-55. Ref. 1966. 448.3 C332
- 64238 BORMANN, E. J. On the determination of intracellular copper with builders of heavy metal complexes. (Ge) *Arch. Mikrobiol.* 52(4):404-406. 1965. 442.8 Ar26
Tests with *Fusarium decemcellulare* and DMDT (sodium dimethyldithiocarbamate).
- 64239 BRANDES, G. A. Application is our business. *Farm Chem.* 129(2):22-23, 26-27, 30. Feb.1966. 57.8 Am3
Aerial application of fungicides.
- 64240 BRAVERMAN, S. W., and CROSIER, W. F. Longevity and pathogenicity of several *Helminthosporium* species stored under mineral oil. *Plant Dis. Rep.* 50(5):321-323. May 1966. 1.9 P69P
From plants.
- 64241 BRITTON, M. P., and BUTLER, J. D. Control of bentgrass [*Agrostis palustris*] diseases; fungicides tested for use on the golf course. *Ill. Res.* 8(1):10-11. Winter 1966. 100 IL64
- 64242 BUITELAAR, K. Don't give Botrytis on tomatoes a chance. (Du) *Groenten Fruit* 21(40): 1817. Apr.20, 1966. 80 G89
- 64243 BYRDE, R. J. W., EVANS, S. G., and RENNISON, R. W. The control of apple canker in two Somerset orchards by a copper-spray programme. *Plant Pathol.* 14(4):143-149. Ref. Dec.1965. 464.8 P692
Cause by *Nectria galligena*.
- 64244 CARMO E FREITAS, A. P. DO. Research on *Puccinia recondita* of wheat. (Por) *Agron. Lusitana* 25(2):121-131. 1963, pub.1966. 105.7 Ag28
Includes publications of the National Agromonomical Station on the subject.
- 64245 CELO, B. Results of some tests of chemically combating the tobacco mildew (*Peronospora tabacina* Adam) in nurseries. (Al) *Bul. Shkencave Bujqesore* 4(4):15-19. Ref. 1965. 21.5 B87
English summary.
Chiefly Ferbam and Zineb.
- 64246 CHANNON, A. G., WEBB, M. J. W., and WATTS, L. E. Studies on two races of *Bremia lactucae* Regel. *Ann. Appl. Biol.* 56(3):389-397. Dec.1965. 442.8 An72
Testing lettuce varieties for resistance to downy mildew.
- 64247 CHAPLIN, J. F. Comparison of tobacco black shank [*Phytophthora parasitica nicotianae*] resistance from four sources. *Tobacco [New York]* 162(15):29-33. Apr.15, 1966. 286.89 T552
- 64248 COLEY-SMITH, J. R. Infection of hop rootstocks by downy mildew *Pseudoperonospora humuli* (Miy. & Tak.) Wilson and its control by early-season dusts. *Ann. Appl. Biol.* 56(3): 381-388. Dec.1965. 442.8 An72
Bordeaux mixture and captan.
- 64249 COLEY-SMITH, J. R. Testing hop varieties for resistance to downy mildew. *Plant Pathol.* 14 (4):161-164. Dec.1965. 464.8 P692
Pseudoperonospora humuli.

- 64250 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(419):49-72. (Cont.) Jan.1966. 390.8 B87
New products used for control of *Plasmopara viticola*; Swiss report by A. Bolay; German report by L. Niemeyer; Argentine report by F. C. La Red and A. A. Gargiulo; Tunisian report by R. Bouhalila.
- 64251 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(420):181-190. (Cont.) Feb.1966. 390.8 B87
New products used for control of *Plasmopara viticola*; Yugoslav report by N. Ostoic; Soviet report by I. M. Poliakov.
- 64252 CONVERSE, R. H., VARNEY, E. H., and KANTZES, J. G. Occurrence of *Phytophthora fragariae* race A-5 Maryland and New Jersey strawberry fields. Plant Dis. Rep. 50(5):351-352. May 1966. 1.9 P69P
- 64253 COUCH, H. B., and WILLIAMS, A. S. Fungicide and nematocide recommendations: diseases of turfgrasses. Va. Polytech. Inst. Ext. Leaflet. 209,2 p. Jan.1966. 275.29 V81L
- 64254 COUTINHO, M. P. Work on grape mildew. (Por) Agron. Lusitana 25(2):101-104. 1963, pub.1966. 105.7 Ag8
Includes publications of the National Agromical Station on the subject.
- 64255 DEKHUIJZEN, H. M. The isolation of haustoria from cucumber leaves infected with powdery mildew [*Sphaerotheca fuliginea*]. Neth. J. Plant Pathol. 72(1):1-11. Ref. 1966. 464.8 T44
- 64256 DENMARK. STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Control of mildew [*Erysiphe cichoracearum*] on cucumbers in greenhouses in relation to yield and quality. (Da) Tidsskr. Planteavl 69(4):571-574. 1966. 11 T439
- 64257 DE SILVA, R. L. The use of nickel chloride and "Perezin" for the control of blister blight (*Exobasidium vexans* Masee) on tea. Ceylon. Tea Res. Inst. Tea Quart. 36(4):191. Dec.1965. 68.18 C33
Perezin is made up of 25% copper and 30% zinc.
- 64258 DUNLEAVY, J. M. Brown stem rot in soybeans. Iowa Farm Sci. 20(10):3-4. Apr.1966. 275.28 Io94
Cephalosporium gregatum, causal organism.
- 64259 FISCHETTI, D. L., and others. Canker of poplar in the Province of Mendoza caused by *Septoria musiva* Pack. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 206:1-8. Ref. Feb.1965. 9 Id3
A. E. Klingner, R. E. Pontis, and J. M. Feldman, joint authors.
- 64260 FISHER, F. E. Tar spot of citrus and its chemical control in Florida. Plant Dis. Rep. 50(5):357-359. May 1966. 1.9 P69P
Caused by *Cercospora gigantea* on orange, grapefruit, and lemon.
- 64261 FOLK, GY. Gloeosporium on Ficus species. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):209-221. Ref. 1965. 80 B85
English summary.
Gloeosporium elasticae.
- 64262 FREEMAN, T. E., LUKE, H. H., and SECHLER, D. T. Pathogenicity of *Pythium aphanidermatum* on grain crops in Florida. Plant Dis. Rep. 50(5):292-294. May 1966. 1.9 P69P
- 64263 FREEMAN, T. E., and MULLIN, R. S. Turfgrass diseases and their control. Fla. Univ. Ext. Circ. 221B,8 p. Feb.1966. 275.29 F66C
Fungus diseases.
- 64264 FUCHS, A. Polyphenol oxidases and phenolics in relation to resistance against cucumber scab in *Cucumis sativus* L. Neth. J. Plant Pathol. 71(6):157-166. Ref. 1965. 464.8 T44
Caused by *Cladosporium cucumerinum*.
- 64265 GARRETT, W. N. Cotton seedling disease. Ga. Univ. Ext. Leaflet. 49,10 p.-folder. Feb. 1966. 275.29 G29L
Fungus disease and its control.
- 64266 GAYED, S. K., and TEMPEL, A. A simple and rapid method for screening chemicals against damping off of cotton caused by *Rhizoctonia solani* Kuhn. Int. Symp. Crop Protect. [Pap.], 17th Symp.:113. 1965. 464.9 In834
- 64267 GHILLINI, C. A., ALGHISI, P., and AMBRA, V. D'. Signalling of a plasmodiophore in roots of *Beta vulgaris* var. *saccharifera*. (It) Agr. Venezia 19(5):241-243. May 1965. 16 Ag826
- 64268 GLITS, M. Examination of the resistance of bean varieties to *Colletotrichum [lindemuthianum]* root. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):163-178. Ref. 1964, pub.1965. 80 B85
English summary.
- 64269 GOLATO, C., and LAMBERTI, F. *Cercospora* on rice in Somalia. (It) Riv. Agr. Subtrop. Trop. 59(1/3):78-81. Ref. Jan./Mar.1965. 26 Ag82
English summary, p.6 of supplement.
Cercospora ricinella.
- 64270 GOULD, C. J. Fungicides used for turfgrass disease control in the U.S.A. Sports Turf Res. Inst. J. 41:32-39. 1965. 60.19 B772
- 64271 GOULD, C. J., MALOY, O. C., and GOSS, R. L. Recommendations for turf disease control, Washington, 1966. Wash. State Univ. Ext. E. M. 2049, rev., 2 p. Apr.1966. 275.29 W27Mi
Fungus diseases.
- 64272 GRUENHAGEN, R. H. Fungicide recommendations: diseases of deciduous trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 206,2 p. Jan.1966. 275.29 V81L
- 64273 GRUENHAGEN, R. H. Fungicide recommendations: diseases of evergreen trees and shrubs. Va. Polytech. Inst. Ext. Leaflet. 207, 2 p. Jan.1966. 275.29 V81L
- 64274 GRUENHAGEN, R. H. Fungicide recommendations: diseases of herbaceous annuals and perennials. Va. Polytech. Inst. Ext. Leaflet. 208, 2 p. Jan.1966. 275.29 V81L
- 64275 HALISKY, P. M., FUNK, C. R., and BACHELDER, S. Stripe smut of turf and forage grasses—its prevalence, pathogenicity, and response to management practices. Plant Dis. Rep. 50(5):294-298. May 1966. 1.9 P69P
Caused by *Ustilago striiformis*, chiefly on Kentucky bluegrass in New Jersey.
- 64276 HANLIN, R. T. Powdery mildew on mock orange [*Philadelphus grandiflorus*] in Georgia. Plant Dis. Rep. 50(5):306-307. May 1966. 1.9 P69P
Caused by *Phyllactinia guttata*.
- 64277 HEITEFUSS, R. Investigations in the physiology of the temperature controlled degree of compatibility between wheat and *Puccinia graminis tritici*. I. Changes in the oxygen uptake and phosphate metabolism. (Ge) Phytopathol. Z. 54(4):379-400. Ref. Dec.1965. 464.8 P562
- 64278 HELLINGER, E. The influence of certain fungistats on the morphology of *Penicillium italicum* Wehmer. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:275-283. 1962, pub.1965. TP368.I5
In citrus.
- 64279 HENDRIX, J. W., NORMAN, C., and APPLE, J. L. Chemical and physical factors influencing growth of *Phytophthora parasitica* var. *nicotianae* on vegetable oils. Physiol. Plant. 19(1):159-166. Ref. 1966. 450 P564
- 64280 HEYNS, A. J., and others. Investigations on fungicides. XII. The fungicidal activity of certain N-carboxymethyl dithiocarbamic acid derivatives. Ann. Appl. Biol. 56(3):399-409. Ref. Dec.1965. 442.8 An72
G. A. Carter, K. Rothwell, and R. L. Wain, joint authors.
Tests with *Botrytis fabae* on broadbeans, *Erysiphe graminis* on wheat.
- 64281 HEYNS, A. J., and others. Investigations on fungicides. XIII. The systemic fungicidal activity of certain N-carboxymethyl dithiocarbamic acid derivatives. Ann. Appl. Biol. 57(1):33-51. Ref. Feb.1966. 442.8 An72
G. A. Carter, K. Rothwell, and R. L. Wain, joint authors.
Tests with *Botrytis fabae* on broadbeans, *Erysiphe graminis* on wheat.

- 64282 HODOSY, S. Mycological examination of the isolates *Rhizoctonia solani* Kuhn causing lodging of seedlings. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):179-194. Ref. 1964, pub. 1965. 80 B85
English summary.
Studied on Solanaceae and Cruciferae.
- 64283 HOESTRA, H. Thielaviopsis basicola, a factor in the cherry replant problem in the Netherlands. Neth. J. Plant Pathol. 71(6):180-182. 1965. 464.8 T44
- 64284 HSI, D. C. H. A new sorghum stalk rot caused by *Aspergillus niger*. Plant Dis. Rep. 50(5):352-353. May 1966. 1.9 P69P
New Mexico.
- 64285 HSU, C. Y., CHOU, C. H., and YUAN, Y. F. The pattern of the spread of wheat leaf rust in Kiangsi and its prevention and remedy. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:9-23. Nov. 24, 1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:17-22. Jan. 10, 1964.
Issued by CFSTI.
- 64286 HUBBES, M. Inhibition of *Hypoxylon pruinaum* (Klotzsch) Cooke, by aspen bark meal and the nature of active extractives. Can. J. Bot. 44(4):365-386. Ref. Apr. 1966. 470 C16C
In the bark of *Populus tremuloides*.
- 64287 HULEA, A. *Fusarium* disease of maize. (Rum) Probl. Agr. [Bucharest] 17(3):37-42. Ref. Mar. 1965. 21 R862
- 64288 HULSHOFF, A. J. A. Foot rot of grain. (Du) Ned. Alg. Keuringsdienst Landbouwzaden Aardappelpootgoed. Meded. 22(6):46-48. Oct. 1965. 61.9 N28
- 64289 ISHIZUKA, Y., and HAYAKAWA, Y. Resistance of rice plant to the imochi disease (rice blast disease) in relation to its silica and magnesia contents. 21 p. Ref. Transl. 15815
Translation from Journal of the Science of Soil and Manure 21:253-260. 1951.
- 64290 JEANNIN, B. Behavior of the main French forage grass strains towards cryptogamic parasites. 2. (Fr) Fourrages 24:76-97. Dec. 1965. 60.8 F82
English summary, p. 157.
Helminthosporium, *Puccinia* and leaf spot fungi.
- 64291 JOHNSON, T. W. A *Lagenidium* in the marine Diatom *Coscinodiscus centralis*. Mycologia 58(1):131-135. Jan./Feb. 1966. 450 M99
Parasitosis.
- 64292 JONES, J. P., and EVERETT, P. H. Control of anthracnose, downy mildew, and soil rot of cucumbers. Plant Dis. Rep. 50(5):340-344. May 1966. 1.9 P69P
Anthracnose, caused by *Colletotrichum lagenarium*; downy mildew, caused by *Pseudoperonospora cubensis*; and soil rot caused by *Rhizoctonia solani*; in Florida.
- 64293 JOST, J. P. Contribution to the study of the toxicological resistance of plants to fusaric acid. (Fr) Phytopathol. Z. 54(4):338-378. Ref. Dec. 1965. 464.8 P562
English summary.
Pisum sativum, *Gossypium herbaceum*, and *Solanum lycopersicum*; studied with radioactive carbon.
- 64294 JUSCAFRESA, B. Insecticides, cryptogamicides, and fungicides on the market and their characteristics. IV. (Sp) Cult. Mod. 48(11):409-411. (Cont.) Nov. 1965. 15 C89
Part IV deals with cryptogamicides.
- 64295 KAJI, A., MIKUNI, N., and TAGAWA, K. Studies of macerating enzyme acting on middle lamella pectin. VI. Relation of pectic enzymes to macerating activity produced by plant pathogens. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):136-142. Ref. Mar. 1965. 107.6 K113
English summary.
Enzymic action of pathogenic fungi.
- 64296 KASZONYI, S. Some new phytopathological data from Hungary. II. Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):143-162. Ref. 1964, pub. 1965. 80 B85
English summary.
Some fungus diseases first observed in Hungary.
- 64297 KATSANOS, R. A., and PAPPELIS, A. J. Effect of root injury on cell death in sorghum stalk tissue and susceptibility to *Colletotrichum graminicolum*. Plant Dis. Rep. 50(5):287-288. May 1966. 1.9 P69P
Illinois.
- 64298 KAWASAKI, T., NISHIMURA, H., and ZINNO, Y. Agar-media for sporulation of *Cercospora cryptomeriae shirai*, the needle blight fungus of "sugi," *Cryptomeria japonica* D. Don. (Ja) Jap. Forest. Soc. J. 47(12):448-451. Dec. 1965. 99.8 N62
- 64299 KAWASHIMA, N., and URITANI, I. Some properties of peroxidase produced in sweet potato infected by the black rot fungus. Plant Cell Physiol. 6(2):247-265. Ref. June 1965. 450 P699
- 64300 KHINKOVA, T. Mycological notes. II. Rusts of the genus *Puccinia* on the species of the genus *Crocus*. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:233-241, map. 1965. 451 B87
English summary.
- 64301 KHOKHRYAKOVA, T. *Cylindrosporus* [Cylindrosporum prunitomentosil] on cherries. (Rus) Sel'skokhoz. Proizv. Sibiri Dal'nego Vostoka 7:45. July 1965. 281.8 Se44
Controlled by Bordeaux mixture.
- 64302 KLINGNER, A. E. Black rot of carrots in the Province of Mendoza caused by *Stamphylium radicinum*. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 205:40-48. Ref. Jan. 1965. 9 Id3
- 64303 KLUGE, E., and LYR, H. Chemical control of damping-off in forest nurseries. (Ge) Sozialistische Forstwirtschaft. 16(3):76-79. Mar. 1966. 99.8 W143
Fungicidal treatment of various trees infected.
- 64304 KNAVEL, D. E., MOHR, H. C., and CHAPLIN, C. E. Reaction of tomato varieties to Verticillium wilt and movement of the organism through grafted plants. Amer. Soc. Hort. Sci. Proc. 87:415-419. Dec. 1965. 81 So12
Caused by the fungus *Verticillium albo-atrum*.
- 64305 KOSTYLEV, A. S. Growing of healthy aspen stands. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:100-119. Ref. 1964. 99.9 L545
Heart rot and its prevention.
- 64306 KROBER, H. On the longevity of conidia of *Peronospora tabacina* Adam. (Ge) Phytopathol. Z. 54(4):328-334. Dec. 1965. 464.8 P562
On tobacco.
- 64307 LABRUYERE, R. E. Control of potato scab [Streptomyces scabies] by means of overhead irrigation. Int. Symp. Crop Protect. [Pap.], 17th Symp.:110. 1965. 464.9 In834
- 64308 LACEY, J. The infectivity of soils containing *Phytophthora infestans*. Ann. Appl. Biol. 56(3):363-380. Ref. Dec. 1965. 442.8 An72
Pathogenic to potatoes.
- 64309 LAPWOOD, D. H., and DYSON, P. W. An effect of nitrogen on the formation of potato tubers and the incidence of common scab (*Streptomyces scabies*). Plant Pathol. 15(1):9-14. Ref. Mar. 1966. 464.8 P692
- 64310 LAST, F. T., and EBBEN, M. H. The epidemiology of tomato brown root rot. Ann. Appl. Biol. 57(1):95-112. Ref. Feb. 1966. 442.8 An72
- 64311 LEATH, K. T., and STEWART, D. M. A method for the separation of isolates of *Puccinia graminis*. Plant Dis. Rep. 50(5):312. May 1966. 1.9 P69P
From leaf segments.
- 64312 LEBEDEVA, L. N. Biology of *Septoria graminis* in Novosibirsk Region. (Rus) Novosibirsk. Tsent. Sibirskii Bot. Sad. Trudy 8:184-191. 1964. 451 N853
Causing wheat leaf spot.
Abstracted in Ref. Zh. Biol. 20(sect.V):7-8. Oct. 1965. 241.7 R25
- 64313 LEHMANN, H. Investigations on *Typhula* rot of grain. II. The pathology of host plants infected with *Typhula incarnata* Lasch ex Fr. (Ge) Phytopathol. Z. 54(3):209-239. Ref. Nov. 1965. 464.8 P562
English summary.
Barley in East Germany.

- 64314 LOUIS-TRUDEAU, D. Reproductive organs of two *Mycosphaerella* of the leaves of oak and chesnut trees. (Fr) Acad. Sci. Compt. Rend. 261(20):4187-4190. Nov.15,1965. 505 P21
Mycosphaerella maculiformis and M. punctiformis.
- 64315 LOUREIRO, S. M. DE. Research on potato mildew. (Por) Agron. Lusitana 25(2):105-113. 1963, pub.1966. 105.7 Ag8
Phytophthora infestans research at the National Agronomical Station and publications on the subject.
- 64316 LU SHIH-I. The biological races of wheat rust fungi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:24-27. Nov.24,1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:23-24. Jan.10,1964.
Issued by CFSTI.
- 64317 LUCIC, S. Study of the resistance of imported Italian and domestic wheat varieties to physiological races of *Puccinia graminis* var: tritici Erikss. et Henn. (Se) Arh. Poljoprivredne Nauk. 18(62):34-62. Ref. 1965. 21.5 Y9
English summary.
- 64318 MAIER, C. R. Implications in chemical control presented by the variability of cotton seedling disease pathogens. Plant Dis. Rep. 50(5):301-305. Ref. May 1966. 1.9 P69P
Rhizoctonia solani and Thielaviopsis basicola in New Mexico.
- 64319 MATOLCSY, GY. Use of absorption type fungicides in plant protection. (Hu) Mezogazdasagi Vilagirodalom 7(6):504-508. (Cont.) 1965. 19 M577
Review of the literature.
- 64320 MAUDE, R. B. Studies on the etiology of black rot, *Stemphylium radicum* (Meier, Drechs. and Eddy) Neerg., and leaf blight, *Alternaria dauci* (Kuhn) Groves and Skolko, on carrot crops; and on fungicide control of their seed-borne infection phases. Ann. Appl. Biol. 57(1):83-93. Ref. Feb.1966. 442.8 An72
- 64321 MCCOLLOCH, L. P., and WATSON, A. J. Perennial canker rot of apples in West Virginia and Pennsylvania. Plant Dis. Rep. 50(5):348-349. May 1966. 1.9 P69P
Caused by *Gloeosporium perennans*.
- 64322 MCGLOHON, N. E. Stem anthracnose of lima beans. Ga. Univ. Ext. Leaflet. 44,6 p.-folder. Dec.1965. 275.29 G29L
Caused by *Colletotrichum truncatum*; includes control.
- 64323 MCINTOSH, D. L. The susceptibility of rootlets of several pear species and varieties to infection by *Phytophthora cactorum*. Amer. Soc. Hort. Sci. Proc. 87:113-116. Dec.1965. 81 So12
- 64324 MENAGE, A., and MOREL, G. The presence of a new amino acid in crown gall tissues. (Fr) Acad. Sci. Compt. Rend. 261(9):2001-2002. Aug.3,1965. 505 P21
Caused by *Agrobacterium tumefaciens*.
- 64325 MEREDITH, D. S. Spore dispersal in *Alternaria porri* (Ellis) Neerg. on onions in Nebraska. Ann. Appl. Biol. 57(1):67-73. Ref. Feb. 1966. 442.8 An72
Purple blotch disease studied.
- 64326 MINKEVICH, I. I. Diagnosis of vascular mycosis of oak trees. (Rus) Les. Khoz. 11:58-59. Nov.1965. 99.8 L5622
- 64327 MISRA, D. P., and PRASADA, R. Linseed rust can be controlled. Indian Farming 15(2):9-10. May 1965. 22 In283
Caused by *Melampsora lini*.
- 64328 MUKHIN, E. N. The action of ionizing radiation on the resistance of potato tubers of fungi (*Fusarium* sp.). p.76-79. (OTS 63-11011) Transl. 14333
In storage.
Translation from Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk imeni V. I. Lenina. Doklady 9:14-17. 1959.
Issued by CFSTI.
- 64329 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Zaaizaadontsmetting en -behandeling bij wintergranen [Chemical disinfection and treatment of winter grain seeds]. Neth. Plantenziektenkundige Dienst. Ber. 1652,8 p. Oct.1,1965. 464.9 N38
Control of fungus diseases and insects.
- 64330 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Zaaizaadontsmetting en -behandeling bij zomergewassen [Chemical disinfection and treatment of summer crop seeds]. Neth. Plantenziektenkundige Dienst. 1657,5 p. Feb.15, 1966. 464.9 N38
Control of fungus diseases and pests.
- 64331 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Brown rot (*Sclerotinia fructicola*). Agr. Gaz. New S. Wales 77(2):back cover. Feb.1966. 23 N472
On stone fruits.
- 64332 NIEMANN, G. J., and DEKKER, J. Evaluation of the activity of a number of procaine derivatives and analogous compounds against powdery mildew (*Sphaerotheca fuliginea*) on cucumber. Ann. Appl. Biol. 57(1):53-58. Feb. 1966. 442.8 An72
Control.
- 64333 NIKOLIC, V., and ARSENIJEVIC, M. A study of flower and ornamental shrubs parasites. (Se) Savremena Poljoprivreda 13(7/8):661-672. Ref. July/Aug.1965. 21 P75
English summary.
Fungus diseases.
- 64334 NOBLE, M., and others. Resistance to mercury of *Pyrenophora avenae* [leaf spot] in Scottish seed oats. Plant Pathol. 15(1):23-28. Mar. 1966. 464.8 P692
Q. D. Macgarvie, A. F. Hams, and E. L. Leafe, joint authors.
- 64335 NOVIELLO, C. Observations on the biology of *Sclerotium rolfsii* in Campania, with particular reference to root rot of hemp. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:431-460. Ref.,p.457-459. 1964/65. 105.4 P83
English summary.
- 64336 NOVIELLO, C. Preliminary observations on the pectolytic and cellulolytic activity of *Sclerotium rolfsii*. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:461-474. Ref. 1964/65. 105.4 P83
English summary.
- 64337 OHKAWA, H., and TAMURA, T. Studies on the metabolites of *Cochliobolus miyabeanus*. I. Agr. Biol. Chem. 30(3):285-291. Mar.1966. 385 Ag8B
Plant pathogen.
- 64338 OKAFOR, N. Thermophilic micro-organisms from rotting maize. Nature [London] 210(5032):220-221. Apr.9,1966. 472 N21
Fungi and bacteria.
- 64339 OLIVEIRA, B. D¹. Research on applied mycology in the field of uredology. (Por) Agron. Lusitana 25(2):133-162. Ref.,p.159-162. 1963, pub.1966. 105.7 Ag8
In the National Agronomical Station.
- 64340 OLSSON, K. A study of the biology of *Gloeosporium album* and *Gloeosporium perennans* on apples. Swed. Stat. Vaxskyddanst. Medd. 13:189-259. Ref. 1965. 464.9 Sw3M
English summary.
- 64341 OTAKE, N., and others. Chemical studies on blasticidin S. II-III. Agr. Biol. Chem. 30(2):126-131,132-141. Feb.1966. 385 Ag8B
S. Takeuchi, T. Endo, and H. Yonehara, joint authors.
Metabolite of *Streptomyces griseochromogenes* and used as fungicide against *Piricularia oryzae*.
- 64342 PAI, H. S. A new anthracnose disease of *Phyllanthus acidus* from India. Plant Dis. Rep. 50(5):313-314. May 1966. 1.9 P69P
Caused by *Colletotrichum*.
- 64343 PARTYKA, R. E. Disease control by manipulation of environment. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:37-41. Apr.1966. 100 Oh3Rs
Control of fungus diseases in greenhouses.

- 64344 PATWARDHAN, P. G. Factors affecting the development of the perithecial stage of powdery mildew of *Helianthus annuus* L. in India. Mycopathol. Mycol. Appl. 27(3/4):253-256. Dec.1, 1965. 450 M994
Sphaerotheca fuliginea established pathogen.
- 64345 PETROSINI, G., and TAFURI, F. On the decomposition products of zinc ethylenedisulfide-carbamates. (It) Agrochimica 10(1):64-74. Ref. Dec.1965. 385 Ag84
English summary.
Zineb.
- 64346 PODHRADSKY, J. Infection-biology experiments with *Sorosporium holci* sorghi (Riv.) Moesz. on corn. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25 (1/2):97-104. Ref. 1966. 19 B855
German summary.
- 64347 POLGAR, S. Relation of water metabolism in rice plant to temperature with special reference to the occurrence of brusone. Indian J. Agr. Sci. 35(4):247-258. Ref. Dec.1965. 22 Ag831
Caused chiefly by *Piricularia oryzae*.
- 64348 PONTE, A. M. DA. Anthracnose of arabica fruits. (Por) Gaz. Agr. Angola 11(1):768-771. Jan.1966. 24 G252
Colletrichum coffeanum on coffee.
- 64349 PONTE, A. M. DA. Spraying Arabica coffee with calcium superphosphate for the control of coffee berry disease usually attributed to *Colletotrichum coffeanum* Noack. Kenya Coffee 31(361):21-22. Jan.1966. C652
- 64350 POPESCU, I. Control of stains on Chrysanthemums. (Rum) Gradina, Via Livada 14(1):68-70. Jan.1965. 80 G75
Caused by *Septoria chrysanthemella*.
- 64351 POPULER, C. Dissemination of spores of tobacco mildew, *Peronospora tabacina* Adam. I. Significance of sampling spores in the air. (Fr) Gembloux. Inst. Agron. Bull. 33(3):388-404. Ref. 1965. 105.1 G285
English summary.
- 64352 RAA, J., and GOKSOYR, J. Studies on the effects of the heartwood toxin beta-thujaplicin on the metabolism of yeast. Physiol. Plant. 18(1):159-176. Ref. 1965. 450 P564
Studies on possible fungitoxicity of this isolate from *Thuja plicata*.
- 64353 RAICU, C., and BANITA, E. Sunflower downy mildew and its control. (Rum) Probl. Agr. [Bucharest] 17(3):43-51. Ref. Mar.1965. 21 R862
Caused by *Plasmopara halstedii*.
- 64354 RAO, V. G. *Alternaria tenuis* Auct. in Bombay-Maharashtra. Mycopathol. Mycol. Appl. 27(3/4):257-264. Ref. Dec.1,1965. 450 M994
Pathogenic to host plants.
- 64355 RASHEVSKAYA, V. F., and NILOVA, V. P. The effect of the state of catalase activity of resistance of wheat to infection with brown rust [*Puccinia triticina*]. 10 p. (TT 64-20427) Transl. 15331
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 4:63-67. 1952. Issued by CFSTI.
- 64356 RODRIGUEZ AMIEVA, P. J., and FRECHA, J. H. Ensayo territorial de resistencia a algunos fitoparasitos del trigo, cebada, avena, centeno y lino realizado en 1965 en al region cerealaera Argentina [Territorial trial on resistance to some plant parasites of wheat, barley, oats, rye, and flax carried out in 1965 in the Argentina grain zone]. Argent. Inst. Fitotec. Bol. Inform 25,16 p. Jan.1966. 9 Ar36B
Fungus diseases.
- 64357 ROLL-HANSEN, F. *Pucciniastrum areolatum* on *Picea engelmannii*; identification by spermatogonia. (No) Norway. Skogforsoksv. Medd. 76:389-397. Ref. 1965. 99.9 N833
English summary.
- 64358 ROVENTA, I. I., and DUMITRU, V. New aspects of the gray rot of tulips. (Rum) Gradina, Via Livada 15(1):51-55. Jan.1966. 80 G75
Includes control.
- 64359 RUBIN, B. A., AKSENOVA, V. A., and LADYGINA, M. E. Mitochondria formation in plant tissues subjected to the influence of pathogenic agents. (Rus) Akad. Nauk SSSR. Dokl. 166:1236-1239. Ref. 1966. 511 P444A
Effects of *Botrytis cinerea* on cabbage and the viruses of mosaic on tobacco.
- 64360 RUBIO-HUERTOS, M., and DIEGO, F. DE. Histo-cytological study of the infection [of barley] by *Puccinia hordei* Oth., using normal and electron microscope. (Sp) Microbiol. Espan. 18(3/4):127-142. Ref. July/Dec.1965. 448.3 M583
English summary.
- 64361 RUI, D. Ten years of applying non-copper fungicides in viticulture. (It) Agr. Italia 11 (5):49-64. May 1965. 16 Ag8232
- 64362 RUIZ-TAPIADOR Y LORDUY, M. Methods of culture and inoculation of some cryptogamic diseases of corn. (Sp) Spain. Inst. Nac. Invest. Agron. Conf. 1964/65:53-74. 15 Sp18C
Pathology research.
- 64363 SAALTINK, G. J. *Penicillium corymbiferum* as a parasite of bulbous iris. Int. Symp. Crop Protect. [Pap.], 17th Symp.:109. 1965. 464.9 In834
- 64364 SACCAS, A. M. Collar rot of coffee seedlings in the nursery, caused by *Rhizotonia bataticola* (Taub.) Butler. (Fr) Cafe, Cacao, The 10(1):28-45. Ref. Jan./Mar.1966. 68.8 C112
English summary.
- 64365 SAHNI, V. P. Deuteromycetes from Jabalpur. I. Mycopathol. Mycol. Appl. 27(3/4):342-356. Ref. Dec.1,1965. 450 M994
Pathogenic to plants.
- 64366 SALAZAR, J., and BRANAS, M. Physiological specialization of *P. recondita* Rob. ex Desm. in Spain during the years 1961-1962-1963 and 1964. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):9-22, map. Ref. 1966. 15 Sp18
- 64367 SCHENCK, N. C. Influence of surfactants on the deposition and retention of fungicides on watermelon foliage. Plant Dis. Rep. 50(5):327-331. Ref. May 1966. 1.9 P69P
- 64368 SCHWINN, F. J. Investigations on the host-parasite relationship in collar rot of apples (*Phytophthora cactorum*) and its control. III. The suitability of various green manure plants in controlling the organism in the soil. (Ge) Phytopathol. Z. 54(3):258-274. Ref. Nov.1965. 464.8 P562
English summary.
Germany.
- 64369 SCRIVANI, P., CARACALLI, N., and LASAGNA, C. A. Conditions for the control of scab of pome fruits. (It) Prog. Agr. [Bologna] 12(3):305-314. Mar.1966. 58.8 P94
Apples.
- 64370 SEMB, L., and HIRVONEN-SEMB, A. Parasitic fungi on leaves of *Populus*. (No) Norsk Planteskolelag 11:24-39. 1965. 86 N812
English summary.
- 64371 SEPROS, I. *Venturia inaequalis* infection of apple is still threatening. (Hu) Kerteszeti Szolesz. 15(7):21. Apr.1966. 80 K474
- 64372 SHADMANOVA, N. Sugars extracted from *Ventricillium dahliae* Kleb in vitro. (Rus) Vsesoyuznyi Simposium po bor'be s viltom khlopchatnika. Materialy 1963:66-68. 1964. (Not in NAL)
Cotton wilt control.
Abstracted in Ref. Zh. Biol. 19(sect.V):10. Oct.1965. 241.7 R25
- 64373 SHANMUGANATHAN, N., and REDLICH, W. W. Control of *Poria [hypolateritia]* root disease with methyl bromide. Ceylon. Tea Res. Inst. Tea Quart. 36(4):144-150. Dec.1965. 68.18 C33
- 64374 SHERIDAN, J. E. Celery leaf spot: sources of inoculum. Ann. Appl. Biol. 57(1):75-81. Ref. Feb.1966. 442.8 An72
Septoria studied in Great Britain.
- 64375 SIBILIA, C. Plant parasites of the olive. (It) Ital. Agr. 103(2):141-163. Feb.1966. 16 It1
Chiefly fungus diseases.

- 64376 SINGH, G. R. Red hot field infection of sugar-cane leaves in Louisiana. Indian Sugar [Calcutta] 15(11):735-737. Feb.1966. 65.8 In26
Caused by *Colletotrichum falcatum*.
- 64377 SLOPE, D. B., and BARDNER, R. Cephalosporium stripe of wheat and root damage by insects (Elateridae and Tipulidae). Plant Pathol. 14(4):184-187. Dec.1965. 464.8 P692
Caused by *Cephalosporium gramineum*.
- 64378 SMERLIS, E., and SAINT-LAURENT, M. Pathogenicity of *Lophophacidium hyperboreum* Lagerberg. Plant Dis. Rep. 50(5):356-357. May 1966. 1.9 P69P
Cause of snow blight in evergreens in Canada.
- 64379 STANKOVA-OPOCENSKA, E. The possibilities of using the antibiotic acidin as an aerosol against *Podosphaera leucotricha* and *Actinonema rosae*. Int. Symp. Crop Protect. [Pap.], 17th Symp.:112. 1965. 464.9 In834
Podosphaera leucotricha on apples and *Actinonema rosae* on roses.
- 64380 STAPEL, C. Growing winter barley in Denmark. (Da) Tidsskr. Landkon. 2:67-84. Ref. Feb.1966. 11 T43
English summary.
Chiefly on the transmission of *Erysiphe graminis*, *Puccinia striiformis* and *P. hordei* from winter barley to spring barley.
- 64381 STEWART, D. M., and ROBERTS, B. J. Physiologic races of *Puccinia graminis* in the United States in 1964. Plant Dis. Rep. 50(5):332-336. May 1966. 1.9 P69P
Puccinia graminis tritici on wheat, barley and grasses; *Puccinia graminis avenae* on oats; wheat and oat stem rust.
- 64382 STILLWELL, M. A. A growth inhibitor produced by *Cryptosporiopsis* sp., an imperfect fungus isolated from yellow birch, *Betula alleghaniensis* Britt. Can. J. Bot. 44(3):259-267. Mar.1966. 470 C16C
In plate culture inhibited growth of Basidiomycetes.
- 64383 STOREY, I. F. *Diplocladium penicilloides* Sacc. attacking cultivated mushrooms. Plant Pathol. 14(4):190. Dec.1965. 464.8 P692
- 64384 STOVER, R. H., and FULTON, R. H. Leaf spot of bananas caused by *Mycosphaerella musicola*: the relation of infection sites to leaf development and spore type. Trop. Agr. [St. Augustine] 43(2):117-129. Ref. Apr.1966. 26 T754
Honduras.
- 64385 TANDA, S. Fundamental studies on ergotial fungi. 3. Correlation of ergotial size and ergotized numbers to the infected position in ears. (Ja) J. Agr. Sci. [Setagaya] 10(4):115-118. Mar.1965. 22.5 J824
English summary.
Fungus diseases of *Agropyron semicostatum* and *Miscanthus sinensis*.
- 64386 TAYLOR, J. C. White tip of leeks (*Phytophthora porri* Foister). Plant Pathol. 14(4):189. Dec.1965. 464.8 P692
- 64387 TEAKLE, D. S. *Fusarium* rhizome rot of ginger in Queensland. Queensland J. Agr. Anim. Sci. 22(3):253-272. Ref. Sept.1965. 23 Q37
Caused by *Fusarium oxysporum zingiberi*.
- 64388 THOMAS, W. D. E., and POTTER, L. Initial fungicide deposits on leaves following application of zineb and burgundy formulations by spraying and dipping. J. Sci. Food Agr. 17(2):65-69. Ref. Feb.1966. 382 S012
- 64389 TICHELAAR, G. M. Leaf spots on *Allium* species caused by *Botrytis squamosa*. Neth. J. Plant 72(1):31-32. 1966. 464.8 T44
Text in Dutch.
- 64390 TODD, F. A. Control black root rot in burley tobacco. N. C. Univ. Ext. Leaflet. 116,8 p. Mar. 1966. 275.29 N811L
Caused by *Thielaviopsis basicola*.
- 64391 TORIO, J. C., STRETCH, A. W., and ECK, P. Influence of *Glomerella [cingulata]* infection on cranberry vegetative and fruiting characteristics and nutritional effects on fruit rot symptom expression. Plant Dis. Rep. 50(5):346-348. Ref. May 1966. 1.9 P69P
New Jersey.
- 64392 TORIO, J. C. The influence of nutrition on the incidence of fruit rot in cranberry, *Vaccinium macrocarpon* Ait. Diss. Abs. 26(10):5636. Apr.1966. 241.8 M58
Predisposing the plant to fungus infection in the field.
- 64393 UNESTAM, T. Study of relation between enzymatic activity and pathogenicity of fungi, including plant pathogens. Physiol. Plant. 19(1):15-30. Ref. 1966. 450 P564
- 64394 UPSTONE, M. E., and FINNEY, J. Tomato rootstocks and the control of *Phytophthora* root rot. Plant Pathol. 15(1):15-19. Mar.1966. 464.8 P692
Phytophthora cryptogea.
DMTT, nabam and copper.
- 64395 VALASKOVA, E. Chemical preparations and antibiotics in the control of powdery mildew of Hydrangea. (Cz) Acta Pruhoniciana 11:51-62. 1965. 80 Ac8
English summary.
- 64396 VANEV, S. Bioecological studies of *Botrytis cinerea* Persson, the agent of the grey mould in grapes. I. Study of the effect of some factors on the development of the parasite. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:171-190. Ref. 1965. 451 B87
English summary.
- 64397 VARENNES E MENDONCA, A. A. DE. Research on oidium. (Por) Agron. Lusitana 25(2):115-119. 1963, pub.1966. 105.7 Ag8
Includes list of publications of the National Agronomical Station on the subject.
- 64398 VELDEMAN, R. Possibility of control of fusariosis by water culture. Int. Symp. Crop Protect. [Pap.], 17th Symp.:109-110. 1965. 464.9 In834
Melons and carnations.
- 64399 VERHOEFF, K. Studies on *Botrytis cinerea* in tomatoes, mycelial development in plants growing in soil with various nutrient levels, as well as in internodes of different age. Neth. J. Plant Pathol. 71(6):167-175. Ref. 1965. 464.8 T44
- 64400 VERMA, V. S., and KHAN, A. M. Fungi associated with sorghum seeds. Mycopathol. Mycol. Appl. 27(3/4):314-320. Ref. Dec.1,1965. 450 M994
In India.
- 64401 VERMEULEN, H. Application of superphosphates to control coffee berry disease [*Colletotrichum coffeanum*] in Kenya. Kenya Coffee 31(362):77. Feb.1966. 68.29 C652
- 64402 WEHLBURG, C., and COX, R. S. *Rhizoctonia* leaf blight of azalea. Plant Dis. Rep. 50(5):354-355. May 1966. 1.9 P69P
Caused by *Rhizoctonia solani* in Florida.
- 64403 WHITTEN, R. R. Bidrin treatment for the Dutch elm disease; a panel discussion. Int. Shade Tree Conf. Proc., 41st Conf.:133-136. 1965. 99.9 N218
Moderator: R. R. Whitten; panel members: E. J. Duda, W. Bender, and J. L. Wachtel.
- 64404 WORLEY, R. E., and HARMON, S. A. Effect of dodine rates and concentration on the control of pecan scab. Amer. Soc. Hort. Sci. Proc. 87:222-225. Dec.1965. 81 S012
Caused by *Fusicladium effusum*
- 64405 WRIGHT, W. R., BERAHA, L., and SMITH, M. A. Leather rot on California strawberries. Plant Dis. Rep. 50(5):283-287. Ref. May 1966. 1.9 P69P
Caused by *Phytophthora cactorum*.
- 64406 YOUNG, B. W. Late blight on potatoes. Farming S. Afr. 42(1):6-7. Apr.1966. 24 S0842
Caused by *Phytophthora infestans*.
- 64407 ZADOKS, J. C. On the dangers of artificial infection with yellow rust [*Puccinia striiformis hordei*] to the barley crop of the Netherlands; a quantitative approach. Neth. J. Plant 72(1):12-19, map. 1966. 464.8 T44
- 64408 ZWET, T. VAN DER, and KILBY, W. W. Studies on etiology of *Mycosphaerella aleuritidis* in relation to control of angular leaf spot of tung (*Aleurites fordii*). Int. Symp. Crop Protect. [Pap.], 17th Symp.:110-111. 1965. 464.9 In834

Diseases Caused by Bacteria

- 64409 ALEKSANDROV, B. Bacterial canker of poplars. (Bu) Gorsko Stopanstvo 22(2):42. Feb. 1966. 99.8 G682
- 64410 BETRA, R. Experimental formation of tumors from tumorous fractions; its histology. (Sp) Microbiol. Espan. 18(3/4):203-225. Ref. July/Dec. 1965. 448.3 M583
English summary.
Caused by *Pseudomonas savastoni* on olives.
- 64411 BORTELS, H., and SAUTHOFF, W. A bacterial disease on *Dieffenbachia* Schott in Germany. (Ge) Phytopathol. Z. 54(3):285-298. Ref. Nov. 1965. 464.8 P562
English summary.
Caused by *Erwinia chrysanthemi*.
- 64412 BRINKERHOFF, L. A. Tests for races of *Xanthomonas malvacearum* from Australia. Plant Dis. Rep. 50(5):323-324. May 1966. 1.9 P69P
Cause of bacterial blight in cotton.
- 64413 BURKI, T., and SCHUEPP, H. Bacterial diseases of stone fruit. (Ge) Schweiz. Z. Obst-Weinbau 101(22):547-555. Ref. Oct. 30, 1965. 80 Sch9
- 64414 DOCEA, E., and SEVERIN, V. Halo blight of oats produced by *Pseudomonas coronafaciens* (Elliott) Stevens bacterium. (Rum) Probl. Agr. [Bucharest] 17(3):77-82. Ref. Mar. 1965. 21 R862
- 64415 ERCOLANI, G. L. Black rot of cabbage. (It) Prog. Agr. [Bologna] 12(2):193-200. Feb. 1966. 58.8 P94
Xanthomonas campestris.
- 64416 GEHRING, F. About a simple method of detection of *Pectobacterium parthenii* (Starr) Hellmers var. *dianthicola* Hellmers and *Pseudomonas caryophylli* (Burkholder) Starr et Burkholder in carnation plants with help of a selective nutrient medium. 6 p. Transl. 14936
Translation from Nachrichtenblatt des Deutschen Pflanzenschutzdienstes 13(11). Nov. 1961.
- 64417 GEHRING, F. Investigations in the progress of a bacterial disease of carnations caused by *Pectobacterium parthenii* (Starr) Hellmers var. *dianthicola* Hellmers, and into the enzymatic properties of this bacterium in comparison with *Pseudomonas caryophylli* (Burkholder) Starr et Burkholder and a few typical pathogens of soft rot. 37 p. Ref. Transl. 14945
Translation from Phytopathologische Zeitschrift 43(4):383-407. 1962.
- 64418 HONAN, CHUNG-MOU HSIEN COMMITTEE. Experience on eliminating the perils of diseases in sweet potatoes. 8 p. (JPRS 7904) Transl. 14814
Bacterial diseases.
Translation from Jen-min Jih-pao Jan. 27, 1961:3.
Issued by CFSTI.
- 64419 KURKDJIAN, A., and LE GOFF, L. Variation of morphology of *Agrobacterium tumefaciens* populations during their proliferation in different culture media. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):224-226. Jan. 3, 1966. 505 P21
- 64420 MATHUR, R. S., and SWARUP, J. Bacterial diseases of oilseed crops. Indian Oilseeds J. 9(4):253-256. Ref. Oct./Dec. 1965. 307.8 In22
Review of literature.
- 64421 MATYSHEVS'KA, M. S. The effect of environmental conditions on the development of parasitism in phytopathogenic bacteria. 8 p. Ref. (OTS 64-11007) Transl. 14642
Translation from Mikrobiologichnyi Zhurnal 21(5):58-65. 1959.
CFSTI: \$0.50
- 64422 MOFFETT, M. L., and ALCORN, J. L. Bacterial leaf spot of guar. Queensland J. Agr. Anim. Sci. 22(3):351-352. Sept. 1965. 23 Q37
Caused by *Pseudomonas syringae*.
- 64423 MUKHERJI, S. K., DAS, C. R., and SHARMA, B. D. Bacterial blight of paddy in W. Bengal. Indian Farming 15(11):11-12. Feb. 1966. 22 In283
Caused by *Xanthomonas oryzae*.
- 64424 ODA, M., SEKIZAWA, Y., and WATANABE, T. Phenazines as disinfectants against bacterial leaf blight [*Xanthomonas oryzae*] of the rice plant. Appl. Microbiol. 14(3):365-367. Ref. May 1966. 448.3 Ap5
- 64425 OLIVEIRA, M. DE L. D¹. Research on plant bacterial diseases. (Por) Agron. Lusitana 25(2):79-90. 1963. pub. 1966. 105.7 Ag8
Includes list of publications by the National Agronomical Station.
- 64426 PANIC, P. M., and ARSENJEVIC, M. Studies in the spectrum of hosts of the bacterium *Pseudomonas syringae* van Hall isolated from sorghum and sudangrass. (Se) Savremena Poljoprivreda 13(12):1039-1055. Ref. Dec. 1965. 21 P75
English summary.
- 64427 RAGOZZINO, A. Bacterial canker of stocks (*Matthiola incana* L.) from *Pseudomonas matthiolae* (Br.-Pav.) Dowson in Campania. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser. 3) 30: 309-319. Ref. 1964/65. 105.4 P83
English summary.
- 64428 ROUSSAUX, J. Influence of gibberellic acid on the development of Annonay pea seedlings infected by *Corynebacterium fascians* (Tilford)-Dowson. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1087-1089. Mar. 7, 1966. 505 P21
- 64429 ROUSSAUX, J. Modalities of inhibitory action performed on the stem of Express Alaska pea by *Corynebacterium fascians*. (Fr) Acad. Sci. Compt. Rend. 261(20):4194-4197. Nov. 15, 1965. 1965. 505 P21
- 64430 ROUSSAUX, J. Variations in the intensity of some pathological symptoms induced to Express Alaska pea by *Corynebacterium fascians* as a function of the quantity of inoculum. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):111-113. Jan. 3, 1966. 505 P21
- 64431 SLOBBE, A. Bacterial rot of melons. (Du) Groenten Fruit 21(43):1983. May 11, 1966. 80 G89
- 64432 SRIVASTAVA, D. N., and RAO, Y. P. Symptoms and diagnosis of the bacterial blight disease of rice. Cur. Sci. 35(3):60-61. Feb. 5, 1966. 475 Sci23
- 64433 SULAIMAN, M., BHAGWAT, V. Y., and AHAMED, L. Bacterial blight of paddy (*Oryza sativa*) in the Maharashtra State. Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1):5-14. Ref. 1965. 26 L53
- 64434 SULAIMAN, M., and AHAMED, L. Controlling bacterial blight of paddy in Maharashtra. Indian Farming 15(8):27-29, 34. Nov. 1965. 22 In283
Caused by *Xanthomonas oryzae*.
- 64435 TAGAMI, Y., and MIZUKAMI, T. Historical review of the researches on bacterial leaf blight of rice caused by *Xanthomonas oryzae* (Uyeda et Ishiyama) Dowson. 191 p. Ref. Transl. 15903
Translation from Japan. Department of Agriculture and Forestry. Development Bureau. Plant Protection Section. Special Reports 10:1-112. 1962.
- 64436 UROSEVIC, B. Contribution to the problem of etiology of brown bark spotting on poplars. Commun. Inst. Forest. Cech. 4:155-173. Ref. 1965. 99.9 P884
Bacterial and fungus diseases caused by the genus *Erwinia* and *Pseudomonas*.
- 64437 VAZQUEZ DE RAMALLO, N. E. Leaf scald disease of sugarcane; its determination in Tucuman (Argentina). (Sp) Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman 42(2/3):23-28. Ref. May 1960/Dec. 1964. 9 T79
Xanthomonas albilineans.

Viruses and Virus Diseases

- 64438 AYALA, A. Transmission of the California tobacco rattle virus by three species of the nematode genus *Trichodorus* Cobb, 1913. Diss. Abs. 26(10):5968. Apr. 1966. 241.8 M58

- 64439 BOCK, K. R. Arabis mosaic and Prunus necrotic ringspot viruses in hop (*Humulus lupulus* L.). *Ann. Appl. Biol.* 57(1):131-140. Ref. Feb.1966. 442.8 An72
- 64440 BODLAENDER, K. B. A., and ALGRA, S. Prevention of virus infection in seed potatoes by growth inhibitors. (Du) Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:65-74. Ref. 1965. 60.9 W123 English summary.
- 64441 BOND, W. P., and PIRONE, T. P. Distribution and identification of mechanically transmissible corn viruses in Louisiana. *Plant Dis. Rep.* 50(5):325-326, map. May 1966. 1.9 P69P
- 64442 BORGES, M. DE L. V. Research on virus diseases of herbaceous plants vegetatively propagated. (Por) *Agron. Lusitana* 25(2):63-72. 1963, pub. 1966. 105.7 Ag8
Includes list of publications by the National Agronomical Station.
- 64443 BOS, L. Active defense and course of the disease in virus-infected plants. *Int. Symp. Crop Protect.* [Pap.], 17th Symp.:115-116. 1965. 464.9 In834
- 64444 BRADLEY, R. H. E., MOORE, C. A., and POND, D. D. Spread of potato virus Y curtailed by oil. *Nature [London]* 209(5030):1370-1371. Mar.26, 1966. 472 N21
- 64445 BRANTLEY, B. B., KUHN, C. W., and SOWELL, G. Effects of cucumber mosaic virus on southern pea (*Vigna sinensis*). *Amer. Soc. Hort. Sci. Proc.* 87:355-358. Dec.1965. 81 So12
- 64446 BROADBENT, L., and FLETCHER, J. T. The epidemiology of tomato mosaic. XII. Sources of TMV in commercial tomato crops under glass. *Ann. Appl. Biol.* 57(1):113-120. Ref. Feb.1966. 442.8 An72
Great Britain.
- 64447 BRUNT, A. A. Partial purification, morphology, and serology of Dahlia mosaic virus. *Virology* 28(4):778-780. Ref. Apr.1966. 448.8 V81
- 64448 CAMMACK, R. H. Little cherry virus in ornamental cherry. *Plant Pathol.* 15(1):31-33. Mar.1966. 464.8 P692
Prunus.
- 64449 CAMMACK, R. H. Soil-borne viruses in rose. *Plant Pathol.* 15(1):47-48. Mar.1966. 464.8 P692
Mosaic and ring spot viruses.
- 64450 CARROLL, T. W. Distribution of tobacco mosaic virus in local lesions of *Datura stramonium* as determined by electron microscopy and immunofluorescence. *Diss. Abs.* 26(10):5637. Apr.1966. 241.8 M58
- 64451 CATHERALL, P. L. Effects of barley yellow dwarf virus on the growth and yield of single plants and simulated swards of perennial rye-grass. *Ann. Appl. Biol.* 57(1):155-162. Ref. Feb.1966. 442.8 An72
- 64452 CATHERALL, P. L., and GRIFFITHS, E. Influence of cocksfoot streak virus on the growth of single cocksfoot plants. *Ann. Appl. Biol.* 57(1):141-148. Ref. Feb.1966. 442.8 An72
- 64453 CATHERALL, P. L., and GRIFFITHS, E. Influence of cocksfoot streak virus on the growth of cocksfoot swards. *Ann. Appl. Biol.* 57(1):149-154. Feb.1966. 442.8 An72
- 64454 CHOE, H. T., and HOWLETT, F. S. Morphological and anatomical structure of various budded apple varieties resulting from stem pitting. *Amer. Soc. Hort. Sci. Proc.* 87:29-40. Ref. Dec.1965. 81 So12
In Ohio.
- 64455 DAWSON, J. R. O. Contrasting effects of resistant and susceptible tomato plants on tomato mosaic virus multiplication. *Ann. Appl. Biol.* 56(3):485-491. Ref. Dec.1965. 442.8 An72
- 64456 DIAS, H. F. Research on grape viruses. (Por) *Agron. Lusitana* 25(2):73-77. 1963, pub. 1966. 105.7 Ag8
Includes list of publications of the National Agronomical Station.
- 64457 DORST, H. J. M. VAN, and HOOFF, H. A. VAN. Arabic mosaic virus of cucumber in the Netherlands. (Du) *Neth. J. Plant Pathol.* 71(6):176-179. 1965. 464.8 T44
- 64458 ESAU, K., CRONSHAW, J., and HOEFERT, L. L. Organization of beet yellows-virus inclusions in leaf cells of Beta. *Nat. Acad. Sci. Proc.* 55(3):486-493. Ref. Mar.1966. 500 N21P
In Beta vulgaris.
- 64459 FACCIOLI, G. Histological examination of vine branches affected with corky bark disease. (It) *Ann. Sperim. Agr. (n.s.)* 17(5/6):491-493. 1963, pub. 1965. 16 An76
English summary.
Virus disease.
- 64460 FLUITER, H. J. DE. Virus diseases of strawberries and their importance for strawberry cultivation. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(10):490-495. Ref. Oct.1965. 86 N384
English summary, p.533.
- 64461 FOSTER, R. E., and FOSTER, M. O. Effects of six viruses on root initiation in muskmelon (*Cucumis melo* L.). *Amer. Soc. Hort. Sci. Proc.* 87:330-334. Ref. Dec.1965. 81 So12
- 64462 FRANCKI, R. I. B., and others. Some properties of purified cucumber mosaic virus (Q strain). *Virology* 28(4):729-741. Ref. Apr. 1966. 448.8 V81
J. W. Randles, T. C. Chambers, and S. B. Wilson, joint authors.
- 64463 FRAZIER, N. W., FREITAG, J. H., and HOLDEMAN, Q. L. Evidence that corn stunt virus may not occur in California. *Plant Dis. Rep.* 50(5):318-320. May 1966. 1.9 P69P
- 64464 GEROLA, F. M., BASSI, M., and BELLI, G. Some observations on the shape and localization of different viruses in experimentally infected plants, and on the fine structure of the host cells. II. *Nicotiana glutinosa* systemically infected with cucumber mosaic virus, strain Y. *Caryologia* 18(4):567-597. Ref. Oct./Dec.1965. 442.8 C25
- 64465 GOL'DIN, M. I., FAIKIN, I. M., and EL'PINER, I. E. Microflows induced by ultrasonic waves in plant cells containing inclusions of tobacco mosaic virus. (Rus) *Akad. Nauk SSSR. Dokl.* 166:1221-1223. 1966. 511 P444A
- 64466 GOODING, G. V., and TODD, F. A. Virus diseases of flue-cured tobacco in North Carolina. *Plant Dis. Rep.* 50(5):308-309. May 1966. 1.9 P69P
Mosaic, ringspot, and etch.
- 64467 GORDON, D. T. How do viruses infect plants? Ohio, Agr. Res. Develop. Center. Res. Sum. 8: 31-32. Apr.1966. 100 Oh3Rs
- 64468 HARRISON, B. D. Further studies on a British form of pea early-browning virus. *Ann. Appl. Biol.* 57(1):121-129. Ref. Feb.1966. 442.8 An72
Trichodorus primitivus as vector.
- 64469 HEATHCOTE, G. D. Nematode transmitted viruses of sugar beet in East Anglia, 1963 and 1964. *Plant Pathol.* 14(4):154-157. Dec.1965. 464.8 P692
Tomato and tobacco viruses.
- 64470 HITCHBORN, J. H., HILLS, G. J., and HULL, R. Electron microscopy of viruslike particles found in diseased *Plantago lanceolata* in Britain. *Virology* 28(4):768-772. Ref. Apr.1966. 448.8 V81
- 64471 HOEFERT, L. L. Anatomic effects of the leaf-roll virus in *Vitis vinifera* L. *Diss. Abs.* 26(10):5676. Apr.1966. 241.8 M58
- 64472 HOLLINGS, M., and STONE, O. M. *Atriplex hortensis* L. as a test plant for plant viruses. *Plant Pathol.* 15(1):20-22. Mar.1966. 464.8 P692
- 64473 HOLLINGS, M., and STONE, O. M. *Torenia fournieri* Lind. as a test plant for plant viruses. *Plant Pathol.* 14(4):165-168. Dec.1965. 464.8 P692
- 64474 HOOFF, H. A. VAN. Rattle virus in potato tubers-inoculation and isolation. *Int. Symp. Crop Protect.* [Pap.], 17th Symp.:115. 1965. 464.9 In834

- 64475 HUANG, K. T., KATAGIRI, M., and MISATO, T. Effects of laurysin (formycin B) on tobacco mosaic virus multiplication and its symptom development. *J. Antibiot. (ser.A)* 19(2):75-77. Mar.1966. 396.8 J824
- 64476 HULL, R. Virus diseases of sweet peas in England. *Plant Pathol.* 14(4):150-153. Ref. Dec.1965. 464.8 P692
Mosaic and streak.
- 64477 IZADPANAH-JAHROMI, K. Purification and properties of the pea enation mosaic virus. *Diss. Abs.* 26(10):5638. Apr.1966. 241.8 M58
- 64478 JENKINS, G. Comparison of tolerance to barley yellow dwarf virus in barley and oats. *Ann. Appl. Biol.* 57(1):163-168. Ref. Feb.1966. 442.8 An72
- 64479 JOHNSON, J., and OGDEN, W. B. Tobacco mosaic and its control. (Sp) *Tierra [Mexico]* 20(5):370,414-415. May 1965. 8 T445
Mexico.
- 64480 KAMIENSKA-ZYLA, M. The detection of the potato virus X in sprouts and tubers of potatoes, by means of paper electrophoresis. *Phytopathol. Z.* 54(4):299-303. Nov.1965. 464.8 P562
- 64481 KAPER, J. M., and LITJENS, E. C. The ribonucleic acid content of turnip yellow mosaic virus. *Biochemistry* 5(5):1612-1617. Ref. May 1966. 381 B523
- 64482 KEGLER, H. Investigations on ring spot disease of cherries. II. Host plants and physical properties of the ring spot virus. (Ge) *Phytopathol. Z.* 54(4):305-327. Ref. Dec.1965. 464.8 P562
English summary.
- 64483 KRISTENSEN, H. R., and THOMSEN, A. Rubbery wood of apple trees. (Da) *Tidsskr. Planteavl* 69(4):477-493. Ref. 1966. 11 T439
English summary.
- 64484 KRIVISKII, A. S. Radiation genetics of viruses and bacteriophages. (Rus) *Uspekhi Mikrobiol.* 2:15-49. Ref. 1965. 442.8 Us6
Plant and animal viruses.
Abstracted in *Ref. Zh. Biol.* 20(sect.B):2. Oct.1965. 241.7 R25
- 64485 LAUFFER, M. A. Endothermic polymerization in biological and biochemical processes: polymerization of tobacco mosaic virus protein. *Chimia* 20(3):89-90. Mar.15,1966. 385 C444
- 64486 MARTIN, C., and GALLET, M. Contribution to the study of effect of temperature on the hypersensitivity reaction of certain hosts with regard to the tobacco mosaic virus. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(6):646-649. Feb.7,1966. 505 P21
- 64487 MATSUDA, M., and OGOSHI, H. Preparations and properties of deamino-deoxyribonucleic acid. *Biochim. Biophys. Acta* 119(1):210-212. 381 B522
From tobacco mosaic virus.
- 64488 MISIC, P. D. Appearances of June yellows and white streaks in hybrid seedlings of strawberry. (Se) *Arh. Poljoprivredne Nauk.* 18(62):152-159. Ref. 1965. 21.5 Y9
English summary.
- 64489 MUSIL, M. Capability of the *Macrosteles laevis* (Ribaut) to transmit virus of the clover yellows. (Cz) *Biologia [Bratislava]* 21(1):45-49. 1966. 442.8 B5265
German summary.
- 64490 MUSIL, M. Occurrence of the virus of the leaf roll of peas in Slovakia: preliminary report. (Ge) *Biologia [Bratislava]* 21(2):133-138. 1966. 442.8 B5265
- 64491 NEINHAUS, F., and STILLE, B. Transmission of virus X of potatoes by zoospores of *Synchytrium endobioticum*. (Ge) *Phytopathol. Z.* 54(4):335-337. Dec.1965. 464.8 P562
- 64492 OLIVEIRA, M. DE L. D'. Research on virus diseases of annual plants. (Por) *Agron. Lusitana* 25(2):49-61. 1963, pub.1966. 105.7 Ag8
Includes list of publications by the National Agronomical Station.
- 64493 PINE, T. S. Apricot ring pox in foreign apricot varieties. *Plant Dis. Rep.* 50(5):289-291. May 1966. 1.9 P69P
- 64494 PITA-ROMERO PANTIN, J. L. Study of virus diseases of the strawberry and production of virus-free plants. (Sp) *Spain. Inst. Nac. Invest. Agron. Conf.* 1964/65:21-52. 15 Sp18C
- 64495 RALPH, R. K., and CLARK, M. F. Intracellular location of double-stranded plant viral ribonucleic acid. *Biochim. Biophys. Acta* 119(1):29-36. Ref. Apr.18,1966. 381 B522
- 64496 REDDI, K. K. Studies on the formation of tobacco mosaic virus ribonucleic acid. VII. Fate of tobacco mosaic virus after entering the host cell. *Nat. Acad. Sci. Proc.* 55(3):593-598. Ref. Mar.1966. 500 N21P
- 64497 ROTH, G., and WHITEHEAD, C. Virus diseases and sugarcane. *S. Afr. Sugar J.* 49(7):675, 677,679,681,683. July 1965. 65.8 So8
- 64498 RUBIO-HUERTOS, M. Golgi apparatus hypertrophy associated with *Petunia* ringspot virus infection (previous communication). *Microbiol. Espan.* 18(3/4):195-202. July/Dec.1965. 448.3 M583
Of broadbeans.
- 64499 SAMPATH, A., and HIRTH, L. Sensibility to tobacco mosaic virus infection of various healthy clones obtained from tissue culture cells of virus infected tobacco. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(1):114-116. Jan.3,1966. 505 P21
- 64500 SASTRY, K. S. M. Effect of calcium, magnesium and sulphur nutrition on multiplication and concentration of sunn hemp-mosaic virus. *Indian J. Agr. Sci.* 35(4):315-321. Ref. Dec.1965. 22 Ag83I
- 64501 SCHMELZER, K., SCHMIDT, H. E., and SCHMIDT, H. B. Virus diseases and possibly virus-caused phenomena found in forest trees. (Ge) *Arch. Forstwesen* 15(2):107-120. Ref. 1966. 99.8 Ar22
English summary.
- 64502 SCHNEIDER, H. South Africa's greening disease and Morocco's stubborn disease. *Calif. Citrogr.* 51(7):299-305. May 1966. 80 C125
Virus diseases; the greening disease is spread by *Trioxa erythrae*.
- 64503 SCHROEDER, W. T., and PROVVIDENTI, R. Further evidence that common pea mosaic virus (PV2) is a strain of bean yellow mosaic virus (BV2). *Plant Dis. Rep.* 50(5):337-340. May 1966. 1.9 P69P
- 64504 SMITH, K. M., and others. Culture methods for the blue-green alga *Plectonema boryanum* and its virus, with an electron microscope study of virus-infected cells. *Virology* 28(4):580-591. Ref. Apr.1966. 448.8 V81
R. M. Brown, D. A. Goldstein, and P. L. Walne, joint authors.
- 64505 SPRAU, F. Studies of differences of metabolism between healthy and virus diseased plants and their use for diagnosis. II. Electrophoretic investigations of potato virus proteins by microelectrophoresis. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:116. 1965. 464.9 In834
- 64506 STONER, W. N., and WILLIAMS, L. E. Virus disease of maize in the continental United States. II. *Seed World* 98(7):6-8. Apr.8,1966. 61.8 Se52
- 64507 SUN, C. N. Structural alterations of chloroplasts induced by virus in *Abutilon striatum* V. Thompson. *Protoplasma* 60(4):426-434. Ref. 1965. 442.8 P94
- 64508 SUNDERLAND, D. W., and MERRETT, M. J. The respiration of leaves showing necrotic local lesions following infection by tobacco mosaic virus. *Ann. Appl. Biol.* 56(3):477-484. Ref. Dec.1965. 442.8 An72
Tobacco.
- 64509 TAKAHASHI, T., and HIRAI, T. Oxidative and phosphorylative activities of mitochondria from tobacco leaf epidermis infected with tobacco mosaic virus. *Physiol. Plant.* 18(1):219-228. Ref. 1965. 450 P564
- 64510 TEREKHOVA, N. A. Conditions in which *Abutilon* may recover from infectious chlorosis. II. Recovery under the influence of defoliation. 8 p. *Transl.* 14519
Caused by virus.
Translation from *Voprosy Virusologii* 5(5): 614-618. 1960.

- 64511 THORNBERRY, H. H. Report on field survey and laboratory diagnoses: maize dwarf mosaic in 1965. Ill. Res. 8(1):12. Winter 1966. 100 IL64
- 64512 THITS, A. About the increase of plant virus diseases. (Es) Eesti Loodus 5:268-272. Ref. Sept./Oct. 1965. 409.6 Ee7
- 64513 TODD, F. A. Mosaic control in tobacco. N. C. Univ. Ext. Folder 128, rev., 8 p.-folder. Mar. 1966. 275.29 N811Ex
- 64514 VALENTA, V., and GRESSNEROVA, M. Serological relationships among members of the cowpea mosaic virus group. Acta Virol. 10(2): 182. Mar. 1966. 448.3 Ac85
- 64515 VERHOYEN, M. Identification of some viruses of lettuce in Belgium. Int. Symp. Crop Protect. [Pap.], 17th Symp.:115. 1965. 464.9 In834
- 64516 WERBIN, H., and others. Comparative photo-reactivation of ultraviolet light-inactivated tobacco mosaic virus ribonucleic acid on Chenopodium, pinto bean, and tobacco plants. Virology 28(2):202-206. Ref. Feb. 1966. 448.8 V81
O. Hidalgo-Salvatierra, J. Seear, and A. D. McLaren, joint authors.
- 64517 WINCKEL, A. VAN. Tomato mosaic virus in the soil. (Fl) Tuinbouwberichten 29(10):436-437. Oct. 1965. 80 T817
Infection of plant.
- 64518 YOUNG, J. D., and others. Immunochemical studies on the tobacco mosaic virus protein. III. Biochemistry 5(5):1481-1488. May 1966. 381 B523
E. Benjamini, M. Shimizu, and C. Y. Leung, joint authors.
- Diseases Caused by Nematodes**
- 64519 ANDERSON, E. J. Plant parasitic nematodes in fruit tree nurseries of New South Wales. Linn. Soc. New S. Wales. Proc. 90(2):225-230. 1965. 514 Sy2
- 64520 BENEĆ, E., and FLORUTIU, A. The potato nematode (*Heterodera rostochiensis* Wollenw) and the ways of preventing its introduction in Rumania. (Rum) Probl. Agr. [Bucharest] 18 (3):109-113. Mar. 1966. 21 R862
- 64521 BLOMMERS, J. Rise in injuries to strawberries by the leaf nematode [*Aphelenchoides ritzema-bosi*]. (Du) Groenten Fruit 21(31):1407. Feb. 16, 1966. 80 G89
- 64522 CAMPOS VELA, A. Nematodes of the genus *Meloidogyne* in potatoes. (Sp) Agr. Tec. Mex. 2(5):205-206. July 1965. 8 Ag839
- 64523 CLARKE, A. J. Hatching agents for cyst-forming nematodes. Chem. Indus. 9:363-366. Ref. Feb. 26, 1966. 382 M31C
Plant pathogenic.
- 64524 COHN, E., MINZ, G., and MONSELISE, S. P. The distribution, ecology and pathogenicity of the citrus nematode [*Tylenchulus semipenetrans*] in Israel. Israel J. Agr. Res. 15(4):187-200, map. Ref. Oct. 1965. 107 J552
Sour oranges and sweet limes.
- 64525 COLBRAN, R. C., and MCCULLOCH, J. S. Nematodes associated with wheat in Queensland. Queensland J. Agr. Anim. Sci. 22(3):353-356. Sept. 1965. 23 Q37
- 64526 COLBRAN, R. C. Root-knot nematodes. Queensland Agr. J. 92(3):146-149. Mar. 1966. 23 Q33
Includes control.
- 64527 COLBRAN, R. C. Studies of plant and soil nematodes. 8. Two new species of *Criconea* (Nematoda: Criconematidae) from Queensland. Queensland J. Agr. Anim. Sci. 22(1):83-87. Mar. 1965. 23 Q37
Criconea alticolum n. sp. found about roots of *Themeda australis*, and *Criconea imbricatum* n. sp. found in soils dominated by *Eucalyptus pilularis*.
- 64528 COLBRAN, R. C. Studies of plant and soil nematodes. 9-10. Queensland J. Agr. Anim. Sci. 22(3):273-279. Sept. 1965. 23 Q37
9, *Trichodorus lobatus* n. sp. (Nematoda: Trichodoridae), a stubby-root nematode associated with citrus and peach trees; 10, *Paratylenchus coronatus* n. sp. (Nematoda: Criconematidae), a pin nematode associated with citrus.
- 64529 CRAGG, I. A. New or uncommon plant diseases and pests. Plant Pathol. 15(1):46-47. Mar. 1966. 464.8 P692
Caused by nematodes and fungi.
- 64530 DAELE, E. VAN, and PELERENTS, C. Cutworms and related species in nurseries in the Ghent area. Int. Symp. Crop Protect. [Pap.], 17th Symp.:102-103. 1965. 464.9 In834
Noctuidae.
- 64531 DAVIES, T. G. Chrysanthemum eelworm [*Aphelenchoides ritzema-bosi*] on *Rhododendron*. Plant Pathol. 14(4):190. Dec. 1965. 464.8 P692
- 64532 D'HERDE, J. A new root-knot nematode [*Meloidogyne*], parasite of sugar beet. Int. Symp. Crop Protect. [Pap.], 17th Symp.:96-97. 1965. 464.9 In834
- 64533 EDMUNDS, J. E. Nematode-fungus interactions with alfalfa roots with special reference to *Pratylenchus penetrans*, *Fusarium oxysporum* and *Trichoderma viride*. Diss. Abs. 26(10):5637-5638. Apr. 1966. 241.8 M58
- 64534 ESCOBAR, P. A. Combate de nematodos parásitos, incorporando al suelo plantas con propiedades antihelminéticas [Control of parasitic nematodes by incorporating in the soil plants with anthelmintic properties]. Guatemala. Inst. Agropecuario. Nac. Bol. Tec. 14, 23 p. Ref. 1964. 281.9 G93
- 64535 GOOSSENS, A. Methyl bromide. (Fl) Tuinbouwberichten 29(10):426. (Concl.) Oct. 1965. 80 T817
Control of nematodes on tomatoes.
- 64536 GUILLE, C. T. The use of dazomet for the control of potato root eelworm in a Lincolnshire fen soil. Plant Pathol. 14(4):179-183. Dec. 1965. 464.8 P692
Heterodera rostochiensis.
- 64537 HAGUE, N. G. M., and OLIFF, K. E. The control of stem eelworm, *Ditylenchus dipsaci* in bulbs with organo-phosphorus compounds. Int. Symp. Crop Protect. [Pap.], 17th Symp.:99-100. 1965. 464.9 In834
Narcissus.
- 64538 HEUNGENS, A. Chemical control of soil sickness in *Azalea*-culture. Int. Symp. Crop Protect. [Pap.], 17th Symp.:97. 1965. 464.9 In834
Tylenchorynchus claytoni on *Azalea indica*.
- 64539 HJINK, M. J., and OOSTENBRINK, M. Field experiments and observations on the significance of *Heterodera trifolii* Goffart, 1932 for the decline of white clover in meadows. Int. Symp. Crop Protect. [Pap.], 17th Symp.:98. 1965. 464.9 In834
- 64540 JAMBRINA ALONSO, J. L. Nematodes and the soil. (Sp) Agricultura [Madrid] 35(406):77-79. Feb. 1966. 15 Ag84
Plant parasites.
- 64541 JUHL, M. Nematodes in mushroom cultures. (Da) Tidsskr. Planteavl 69(4):511-531. Ref. 1966. 11 T439
English summary.
- 64542 KAAI, C., and PRONK, C. P. Influence of the quantity of water used in the application of 0,0 diethyl 0,2 parazinyl phosphorothioate in the control of stem eelworm in onion set. Int. Symp. Crop Protect. [Pap.], 17th Symp.:100. 1965. 464.9 In834
- 64543 KIR'YANOVA, E. S., and IVANOVA, T. S. Fauna of nematodes on rose *Pelargonium* (*Pelargonium roseum*) in Tadzhikistan. (Rus) Akad. Nauk Tadzh. SSR. Otd. Biol. Nauk. Izv. 1(18):24-31. 1965. 20 Ak132
Abstracted in Ref. Zh. Biol. 22(sect. E):41. Nov. 1965. 241.7 R25
- 64544 KOEN, H. The influence of a number of crops on root-knot nematodes (*Meloidogyne* spp.) over a period of six years. Ghent. Landbouwhogeschool. Mededel. 30(4):2087-2092. 1965. 105.1 G344
- 64545 KRAALJENGA, D. A., and OUDEN, H. DEN. "Red ring" disease in Surinam. Neth. J. Plant Pathol. 72(1):20-27, map. 1966. 464.8 T44
In coconut, caused by the nematode *Rhadinaphelenchus cocophilus* and the vector *Rhynchochophorus palmarum*.
- 64546 KUIPER, K., and HIETBRINK, H. The nematocidal effect of low doses DD-mixture. Int. Symp. Crop Protect. [Pap.], 17th Symp.:96. 1965. 464.9 In834

- 64547 MAESENEER, J. DE. A soil disinfection experiment against a *Rotylenchus-Trichodorus* complex in a forest nursery. Int. Symp. Crop Protect. [Pap.], 17th Symp.:97-98. 1965. 464.9 In834
- 64548 MCCARTER, S. M., CAIRNS, E. J., and BAGBY, J. Nematode control in the home garden. Auburn Univ. Ext. Circ. P-58, 6 p.-folder. Feb.1966. 275.29 AL14Cp
- 64549 MCLEOD, R. W., and MCGECHAN, J. K. New hosts of *Meloidogyne* species (root knot nematodes) in New South Wales. Agr. Gaz. New S. Wales 77(2):115-116. Feb.1966. 23 N472
- 64550 MILNE, D. L. Tobacco nematodes. Repub. S. Afr. Dep. Agr. Tech. Serv. Leaflet. 24, 16 p. 1965. 24 So863L
Includes control.
- 64551 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Regeling voor het aanvragen van ontheffing van het aardappelteeltverbod in de bollenstreek [Rules for the application for exemption from the potato culture prohibition in the bulb area]. Neth. Plantenziektenkundige Dienst. Ber. 1656, 3 p. Dec.10.1965. 464.9 N38
In connection with potato nematode control.
- 64552 OLTHOF, T. H. A., and ESTEY, R. H. Carbon- and nitrogen-levels of a medium in relation to growth and nematophagous activity of *Arthrobotrys oligospora fresenius*. Nature [London] 209(5028):1158. Mar.12,1966. 472 N21
- 64553 PRASAD, S. K. Eelworms—tiny yet tough enemies of crops. Indian Farming 15(11):37-38. Feb.1966. 22 In283
Includes control.
- 64554 RODRIGUEZ KABANA, R. Chemical antibiosis to nematodes in rice fields. Diss. Abs. 26(10):5639. Apr.1966. 241.8 M58
Tests with fatty acids produced by *Clostridium*.
- 64555 SANDSTEDT, R., and SCHUSTER, M. L. Excised tobacco pith bioassays for root-knot nematode-produced plant growth substances. Physiol. Plant. 19(1):99-104. Ref. 1966. 450 P564
- 64556 SHARMA, R. D. Direct damage to strawberry by *Longidorus elongatus*. Int. Symp. Crop Protect. [Pap.], 17th Symp.:97. 1965. 464.9 In834
- 64557 STURHAN, D. Comparative investigations on the host range of stem eelworms (*Ditylenchus dipsaci*) from beets of different origin. Int. Symp. Crop Protect. [Pap.], 17th Symp.:99. 1965. 464.9 In834
- 64558 TIKHONOVA, L. Bioecology of causal agent of nematode disease in rice, *Aphelenchoides bessei*. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:45-47. Feb.1966. 20 V633
English summary.
- 64559 TRESKOVA, V. S. To the problem of *Meloidogyne* control in plants. (Rus) Vses. In-t. Zashchity Rast. Azerb. St. Tr. 2:104-115. 1964. Not in Libr.
Tomatoes.
Abstracted in Ref. Zh. Biol. 22(sect.E):42. Nov.1965. 241.7 R25
- 64560 VIGLIERCHIO, D. R. Nematocides by design. Int. Symp. Crop Protect. [Pap.], 17th Symp.:95. 1965. 464.9 In834
Control of plant nematodes.
- 64561 WALKER, J. T., SPECHT, C. H., and BEKKER, J. F. Nematocidal activity to *Pratylenchus* penetrans by culture fluids from actinomycetes and bacteria. Can. J. Microbiol. 12(2):347-351. Ref. Apr.1966. 448.8 C162
- 64562 WEISCHER, R. Recent observations on the beet root eelworm *Heterodera schachtii*. Int. Symp. Crop Protect. [Pap.], 17th Symp.:99. 1965. 464.9 In834
- 64563 WELLE, H. B. A., and BIJLOO, J. D. The systemic nematocidal activity of physostigmine and structural analogues. Int. Symp. Crop Protect. [Pap.], 17th Symp.:95-96. 1965. 464.9 In834
Control of *Ditylenchus dipsaci* on peas.
- 64564 WINFIELD, A. L. Microplot experiments with pea cyst nematode. Plant Pathol. 14(4):158-161. Ref. Dec.1965. 464.8 P692
Heterodera gottingiana.
- 64565 WOODVILLE, H. C. Storage conditions and subsequent control of bulb eelworm. Plant Pathol. 14(4):188-189. Dec.1965. 464.8 P692
Control of *Ditylenchus dipsaci* affecting *Narcissus*.

ECOLOGY

- 64566 AFANAS'EV, D. YA. Marginal-aquatic vegetation of the Dnieper and the basins of its floodplain in the area of upper and middle Polesye. (Ukr) Ukr. Bot. Zhur. 23(1):87-92. 1966. 450 J8212J
English summary.
Includes ecology.
- 64567 ALBERO, V., and CATALA, J. Thermal inversion near the soil in the orange zone. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):64-68, map. Jan./Mar.1965. 389.8 R324
Temperature observations.
- 64568 ALBERTSON, F. W., and TOMANEK, G. W. Vegetation changes during a 30-year period in grassland communities near Hays, Kansas. Ecology 46(5):714-720. Ref. Late summer 1965. 410 Ec7
- 64569 BARBARYCH, A. I. Fragments of vegetation of a mesotrophic type bog on the border on the Volynian forest steppe and the Maloye Polesye of the Ukrainian SSR. (Ukr) Ukr. Bot. Zhur. 23(1):104-106, map. 1966. 450 J8212J
- 64570 BEDDOWS, A. R. The behaviour of cocksfoot [*Dactylis glomerata*] and perennial ryegrass [*Lolium perenne*] families from western France grown at Aberystwyth. Brit. Grassland Soc. J. 21(1):33-40. Ref. Mar.1966. 60.19 B773
Ecology.
- 64571 BENNETT, D. P., and HUMPHRIES, D. A. Introduction to field biology. London, Arnold, 1965. 208 p. Ref. QH308.B4
Chiefly ecology, including plants and insects.
- 64572 BLACK, J. N. Competition within grass and cereal communities. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:167-177. Ref. 1965, pub.1966. S217.E2
Literature review.
- 64573 BLANCO M., E., and CUEVAS, A. Pastures and vegetation in the zone of the "El Tepehuaje" ejido, N. L. (Sp) Agronomia [Monterrey] 106:20-25, map. Ref. May 1966. 8 Ag828
- 64574 BLAND, M. K., and KILBURN, P. D. Bluff prairie vegetation and soil texture. III. State Acad. Sci. Trans. 59(1):25-28. 1966. 500 IL6
- 64575 BODROGKOZY, GY. Ecology of the halophilic vegetation of the Pannonicum. III. Results of the investigation of the solonetz of Oroshaza. Acta Biol. N. S. 11(1/2):3-32, map. Ref. 1965. 442.8 Ac86
- 64576 BUSNITA, T., and BREZEANU, G. Hydrochemical and hydrobiological conditions in fish ponds receiving stream water and their productivity. (Ge) Z. Fisch. (n.s.) 13(3/4):269-283. Ref. Nov.1965. 414.8 Z3
English summary.
In Rumania; includes phytoplanktons.
- 64577 BUT, V. P. Algae associations of artificially regressed desert area of western Pamirs. (Rus) Akad. Nauk Tadzhikskoi SSR. Otd. Biol. Nauk. Izv. 3(17):27-36. 1964. 20 Ak132
Abstracted in Ref. Zh. Biol. 20(sect.V):2-3. Oct.1965. 241.7 R25
- 64578 CIREASA, V., and CIREASA, E. Utilization of climatograms for characterization of fruit areas. (Rum) Gradina, Via Livada 14(3):46-49. Ref. Mar.1965. 80 G75
- 64579 COURANJOU, J. Physiological classification test of alfalfa in connection with their behavior and adaptation to different Algerian environments. 4. (Fr) Fourrages 24:132-153. Dec.1965. 60.8 F82

- 64580 DAVIS, R. B. Spruce fir forests of the coast of Maine. Ecol. Monogr. 36(2):79-94, map. Ref. Spring 1966. 410 Ec72
- 64581 DEBAZAC, E. F., AUSSENAC, G., and DELWAULLE, J. C. Note on the vegetation of certain uncultivated lands in the Department of Aube; chronology of developmental stages. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(4):306-313. Feb. 16/23, 1966. 14 P215Bc
- 64582 DOMINIK, T., NESPIAK, A., and PACHLEWSKI, R. Investigations on mycotrophy of plant associations of the upper timber zone in the Tatra. 18 p. (OTS 81-11330) Transl. 14831
Translation from Acta Societatis Botanicorum Poloniae 23(3):487-504. 1954.
CFSTI: \$0.50.
- 64583 EMBERGER, L. Ecology in the world. (Fr) Tunis. Ecole Nat. Super. Agr. Bull. Bull. Trim. 7:3-15. June 1965. 24 T838
Plant ecology included.
- 64584 FEDOROV, A. A. The structure of the tropical rain forest and speciation in the humid Tropics. J. Ecol. 54(1):1-11. Ref. Mar. 1966. 450 J829
- 64585 FRANKLAND, J. C. Succession of fungi on decaying petioles of *Pteridium aquilinum*. J. Ecol. 54(1):41-63. Ref. Mar. 1966. 450 J829
- 64586 GANCHEV, I. Remnant forests of the Stara Zagora Basin and surrounding uplands (formation, successions and floral analysis). (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:19-87. 1965. 451 B87
- 64587 GANCHEV, I. Remnant forests of the Stara Zagora Basin and surrounding uplands (formation, successions, and floral analysis). II. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:5-89. Ref. 1965. 451 B87
German summary.
- 64588 GEORGE, M. G. Comparative plankton ecology of five fish tanks in Delhi, India. Hydrobiologia 27(1/2):81-108. Ref. Jan. 31, 1966. 410 H992
Includes phytoplankton.
- 64589 GORBACHEV, B. N. Use of the method of indicator plants in the mapping of the vegetational cover. (Rus) Bot. Zhur. [Moscow] 51(4):542-546. Ref. Apr. 1966. 451 R923
- 64590 GRIME, J. P. Comparative experiments as a key to the ecology of flowering plants. Ecology 46(4):513-515. Ref. Early summer 1965. 410 Ec7
- 64591 HEDIN, L., and KERGUELEN, M. Types of French grassland. Brit. Grassland Soc. J. 21(1):29-32. Mar. 1966. 60.19 B773
- 64592 HLUZA, B. A contribution to the ecology of *Hypholoma coprinifacies* (Roll.) Herink. (Cz) Ceska Mykol. 20(1):34-37. Jan. 1966. 450 C333
- 64593 HOPE-SIMPSON, J. F., and JEFFERIES, R. L. Observations relating to vigour and debility in marram grass (*Ammophila arenaria* (L.) Link). J. Ecol. 54(1):271-274. Mar. 1966. 450 J829
Competition.
- 64594 INTRIBUS, R. Microclimatic conditions in forest stands of the High Tatra. Commun. Inst. Forest. Cech. 4:33-46. Ref. 1965. 99.9 P884
- 64595 IVIMEY-COOK, R. B., and PROCTOR, M. C. F. The application of association-analysis to phytosociology. J. Ecol. 54(1):179-192. Ref. Mar. 1966. 450 J829
- 64596 JOLLY, V. H., CHAPMAN, M. A., and BOARD, D. A preliminary biological study of the effects of pollution on Farmer's Creek and Cox's River, New South Wales. Hydrobiologia 27(1/2):160-192, map. Ref. Jan. 31, 1966. 410 H992
Includes algae and aquatic insects as indicators.
- 64597 KAUSSAMANN, B. Importance of ecological-sociological indicator groups in agriculture. (Hu) Debreceni. Agrartud. Foisk. Tud. Uleszakanak. Eloadasai 1964:99-112. Ref. 105.9 D354
German summary.
Weeds in East Germany.
- 64598 KNIGHT, D. H. A gradient analysis of Wisconsin prairie vegetation on the basis of plant structure and function. Ecology 46(5):744-747. Ref. Late summer 1965. 410 Ec7
- 64599 KOUL, M. L. H. Cyto-ecology of medicinal plants. A. Habitat study. I. Common occurrence and associates of *Ageratum conyzoides* Linn. Banaras Hindu Univ. J. Sci. Res. 15(2):269-275. 1964/65. 330.9 B43
- 64600 KOUL, M. L. H. Cyto-ecology of medicinal plants. A. Habitat study. 2. Common occurrence of associates of *Mecardonia dianthera* (Swartz) Pennal. Banaras Hindu Univ. J. Sci. Res. 15(2):305-307. 1964/65. 330.9 B43
- 64601 KOUL, M. L. H. Cyto-ecology of medicinal plants. A. Habitat study. 3. Common occurrence and associates of *Argemone mexicana* Linn. Banaras Hindu Univ. J. Sci. Res. 15(2):297-304. 1964/65. 330.9 B43
- 64602 KVACHAKIDZE, R. K. Some peculiarities in structure of forest stands and bioecology of trees growing near timber line of their vertical distribution (Subalpine belt). (Geo) Akad. Nauk Gruz. SSR. Soobshch. 39(2):427-434. Aug. 1965. 511 Ak146
Russian summary.
- 64603 MARSHALL, N., and WHEELER, B. M. Role of the coastal and upper estuarine waters contributing phytoplankton to the shoals of the Niantic estuary. Ecology 46(5):665-673, map. Ref. Late summer 1965. 410 Ec7
- 64604 MARSTON, R. B. Some comparative hydrologic characteristics of aspen and mountain brush communities on steep mountain watersheds in northern Utah. Diss. Abs. 26(10):5630. Apr. 1966. 241.8 M58
Precipitation and evapotranspiration included.
- 64605 MASON, C. P. Ecology of *Cladophora* in farm pounds. Ecology 46(4):421-429. Ref. Early summer 1965. 410 Ec7
Cladophora glomerata in New York.
- 64606 MIROSHNICHENKO, U. M., and MIROSHNICHENKO, N. V. Successions of the soil-vegetational cover in the maritime zone of the north-western cis-Caspian area. (Rus) Bot. Zhur. [Moscow] 51(4):520-541. Ref. Apr. 1966. 451 R923
English summary.
- 64607 MITCHELL, W. W., and EVANS, J. Composition of two disclimax bluejoint [*Calamagrostis canadensis*] stands in southcentral Alaska. J. Range Manage. 19(2):65-68. Ref. Mar. 1966. 60.18 J82
- 64608 MONTEITH, J. L. Analysis of microclimate in cereals and grasses. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:123-137. Ref. 1965, pub. 1966. A217.E2
Literature review.
- 64609 MOONRY, H. A., and JOHNSON, A. W. Comparative physiological ecology of an arctic and an alpine population of *Thalictrum alpinum* L. Ecology 46(5):721-727. Ref. Late summer 1965. 410 Ec7
From California and Alaska.
- 64610 MORAVCOVA-HUSOVA, M. Beech forests of the Pisecke hory. (Ge) Preslia 38(1):65-77. Ref. 1966. 450 P92
Ecology.
- 64611 MUFTEE, R. A. Soil-water and salinity as factors in the ecology of *Cynodon dactylon* Pers., and *Eleusine flagellifera* Nees. Pakistan J. Sci. 17(1):29-42, map. Ref. Jan. 1965. 475 P172
- 64612 NEUHAUSL, R. Indicator value of plant communities and syntaxonically notable varieties. (Cz) Biologia [Bratislava] 21(2):146-151. 1966. 442.8 B5265
- 64613 OKALI, D. U. U. A comparative study of the ecologically related tree species *Acer pseudoplatanus* and *Fraxinus excelsior*. I. The analysis of seedling distribution. J. Ecol. 54(1):129-141. Ref. Mar. 1966. 450 J829
- 64614 PALJMAN, K. Typing of tropical vegetation by aerial photographs and field sampling in northern Papua. Photogrammetria 21(1):1-25, map. Feb. 1966. 325.28 P562

- 64615 PANOV, D. A., and SOROKIN, YU. I. On the role of phytoplankton in the nutrition of roach, bream, and white bream larva. (Rus) In *Ekol. i fiziol. sinezelen. vodoroslei* 1965:240-245. (Not in Libr.)
Algae as feed.
Abstracted in Ref. Zh. Biol. 19(sect.D):38 Oct.1965. 241.7 R25
- 64616 PIELOU, E. C. Species-diversity and pattern-diversity in the study of ecological succession. *J. Theor. Biol.* 10(2):370-383. Ref. Feb.1966. 442.8 J8223
Forests.
- 64617 RAND, P. J. Factors related to the distribution of ponderosa and pinyon pines at Grand Canyon, Arizona. *Diss. Abs.* 26(10):5679-5680. Apr.1966. 241.8 M58
Ecological.
- 64618 RHOADES, R. W. Old-field white spruce (*Picea glauca*) in northern New Hampshire. *Diss. Abs.* 26(10):5680. Apr.1966. 241.8 M58
Ecological.
- 64619 RICKARD, W. H., and BEATLEY, J. C. Canopy-coverage of the desert shrub vegetation mosaic of the Nevada test site. *Ecology* 46(4):524-529, map. Ref. Early summer 1965. 410 Ec7
- 64620 ROBERTSON, J. H., ECKERT, R. E., and BLEAK, A. T. Responses of grasses seeded in an *Artemisia tridentata* habitat in Nevada. *Ecology* 47(2):187-194. Ref. Early Spring 1966. 410 Ec7
- 64621 ROBINSON, T. S. Effects of canopy density and slope exposure on the subcanopy microenvironment of a northern hardwood forest. *Amer. Midland Natur.* 75(2):339-346. Ref. Apr.1966. 410 M58
- 64622 RUBTZOFF, P. Notes on fresh-water marsh and aquatic plants in California. V. Leaf. *West. Bot.* 10(14):265-269. Ref. May 4,1966. 450 L47
- 64623 SANT, H. R. Growth and reproduction of *Eragrostis tenella* in pastures on the upper Gangetic plain. *Ecology* 47(2):306-308. Early Spring 1966. 410 Ec7
- 64624 SAVEL'eva, R. P. Use of plants as indicators in determination of slopes on Kuibyshev water reservoir. (Rus) *Bot. Zhur. [Moscow]* 51(4):546-550. Ref. Apr.1966. 451 R923
- 64625 SEDDON, B. Occurrence of *Isoetes echinospora* in eutrophic lakes in Wales. *Ecology* 46(5):747-748. Ref. Late summer 1965. 410 Ec7
- 64626 SHELFORD, V. E. The ecology of North America. Urbana, 1965. 610 p., map. QH102.S5
Bibliography, p.495-531.
In the period A.D. 1500 to 1600 before European settlement; including forests, vegetation, wildlife, and insects.
- 64627 SHTINA, E. A., and ROIZIN, M. B. Algae of the Podzol soils in the Khibiny Mts. (Rus) *Bot. Zhur. [Moscow]* 51(4):509-519. Ref. Apr.1966. 451 R923
English summary.
Ecological aspect.
- 64628 SKALICKY, V., CHRTEK, J., and GILL, J. Notes on the vegetation of the environs of Mariánské Lázně. (Cz) *Preslia* 38(1):84-98, map. Ref. 1966. 450 P92
German summary.
Ecology.
- 64629 SLAVIKOVA, J. Mutual relation of the root suction force of the single components of the ash (*Fraxinus excelsior* L.) communities. (Ge) *Preslia* 38(1):15-22. 1966. 450 P92
- 64630 SOBOTKA, A., and SOBOTKOVA, M. A contribution to the study of relations of the growth of fruiting bodies of some Hymenomycetes and ecological factors. (Cz) *Ceska Mykol.* 20(1):54-61. Ref. Jan.1966. 450 C333
English summary.
- 64631 STANTSEVICHUS, A. Crops as geobotanical objects. (Rus) In *Izych. rast. pokrova ostrova Saaremaa* 1964:56-81. Not in Libr.
Ecological aspects.
Abstracted in Ref. Zh. Biol. 22(sect.V):27. Nov.1965. 241.7 R25
- 64632 STRONG, C. W. An improved method of obtaining density from line-transect data. *Ecology* 47(2):311-313. Early Spring 1966. 410 Ec7
- 64633 SWAN, J. M. A., and DIX, R. L. The phytosociological structure of upland forest at Candle Lake, Saskatchewan. *J. Ecol.* 54(1):13-40, map. Ref. Mar.1966. 450 J829
- 64634 TRUSZKOWSKA, W. Mycotrophy of *Alneta* in the Bialowieza National Park [Bialowiecki Park Narodowy] and in Domaszyn near Wrocław. 16 p. Ref. (OTS 61-11334) Transl. 14837
Translation from *Acta Societatis Botanicorum Poloniae* 22(4):737-752. 1953.
CFSTI: \$0.50.
- 64635 UHERKOVICH, G. The life of the Tisza. XXVI. Quantitative conditions of phytoplankton in the river section of Tiszapalkonya. (Ge) *Acta Biol. N. S.* 11(1/2):145-152. 1965. 442.8 Ac86
- 64636 VELCHEV, V., IORDANOV, D., and GANCHEV, S. Studies on *Acer monspessulanum* L. in northwestern Bulgaria. (Bu) *Bulgarska Akad. Nauk. Bot. Inst. Izv.* 15:91-117, map. Ref. 1965. 451 B87
German summary.
Ecology.
- 64637 VINK, A. P. A., VERSTAPPEN, H. T., and BOON, D. A. Some methodological problems in interpretation of aerial photographs for natural resources surveys. ITC (Int. Training Centre Aerial Serv.) Publ., Ser. B, 32, 23 p., map. Ref., p.21-23. 1965. 325.29 In82
Includes vegetation and plant ecology.
- 64638 VINOGRADOV, B. V. Vegetation as an indicator in the interpretation of aerial photographs of desert landscapes in western Turkmenia. 11 p., map. Ref. (TT 65-50064) Transl. 14982
Translation from *Vsesoyuznoe Geograficheskoe Obshchestvo. Izvestiya* 93(1):69-76. Jan./Feb.1961.
CFSTI: \$1.00.
- 64639 WATT, A. S., PERRIN, R. M. S., and WEST, R. G. Patterned ground in Breckland: structure and composition. *J. Ecol.* 54(1):239-258. Ref. Mar.1966. 450 J829
Plant ecology in relation to soil structure.
- 64640 WESELSKA, K. *Porphyrellus porphyrosporus* (Fr.) Gilb. in the region of Karlove Vary. (Cz) *Mykol. Sb.* 42(9/10):139. Dec.1965. 450 C27
- 64641 WHITTAKER, R. H., and NIERING, W. A. Vegetation of the Santa Catalina Mountains, Arizona: a gradient analysis of the south slope. *Ecology* 46(4):429-452, map. Ref. Early summer 1965. 410 Ec7
- 64642 WIDDOWSON, J. P. Zinc deficiency on the shallow soils of Niue. I. Field investigations. *New Zeal. J. Agr. Res.* 9(1):44-58. Feb.1966. 23 N4892
Study of taro soil requirement using *Crotalaria anagyroides* as indicator plant.
- 64643 WITKAMP, M. Macroflora, mycoflora, and soil relationships in a pine plantation. *Ecology* 47(2):238-244, map. Ref. Early Spring 1966. 410 Ec7
Scots pine (*Pinus sylvestris*) in Netherlands.
- 64644 WRIGHT, H. A., and KLEMMEDSON, J. O. Effect of fire on bunchgrasses of the sagebrush-grass region in southern Idaho. *Ecology* 46(5):680-688. Ref. Late summer 1965. 410 Ec7
- 64645 YARRANTON, G. A. A plotless method of sampling vegetation. *J. Ecol.* 54(1):229-237. Ref. Mar.1966. 450 J829
Ecological sampling.

MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 64646 ABDUSHUKUROVA, R. A. Connection of nucleolus with chromosomes. 7 p. Ref. (JPRS 25,795; TT 64-41066) Transl. 14126
Amygdalus bucharica and *A. ulmifolia*.
Translation from *Akademiya Nauk Tadzhikskoi SSR. Izvestiya* 3:42-47. 1962.
CFSTI: \$1.00.

- 64647 ALEKSANDROV, V. G., and DOBROTVORSKAYA, A. V. On the significance of trichomes in the flower development. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p. 7-17. Ref. 1965. QK653.12 Angiospermae.
- 64648 APOYAN, L. A. Rhizomic system of different ecotypes of wild and some other apple varieties in Ararat lowland nurseries of Armenian SSR. (Rus) *Armyanskii Nauchno-Issledovatel'skii Institut Vinogradarstva, Vinodeliya i Plodovodstva* 6/7:421-427. 1964. (Not in Libr.) Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:36. July 1965. Film S-202
- 64649 ARCHANGEL'SKII, D. B. Pollen grains of Thymelaeaceae and Gonystilaceae. (Rus) *Bot. Zhur. [Moscow]* 51(4):484-494. Ref. Apr. 1966. 451 R923 English summary. Morphological study.
- 64650 ARISUMI, T. Screening diploid and tetraploid progenies of daylilies by stomatal size. *Amer. Soc. Hort. Sci. Proc.* 87:479-485. Dec. 1965. 81 Sol2
- 64651 ARNOLD, B. C. Histogenesis in roots of *Nothofagus solandri* var. *cliffortioides* (Hood. f.) Poole. *Pacific Sci.* 20(1):95-99. Ref. Jan. 1966. 475 P11
- 64652 BADR, S., and CRANE, J. C. Growth of unpolinated ovaries of several deciduous fruit species. *Amer. Soc. Hort. Sci. Proc.* 87:163-167. Ref. Dec. 1965. 81 Sol2
- 64653 BARBARYCH, A. I. Cauliflory in the apple. (Ukr) *Ukr. Bot. Zhur.* 22(6):101-103. 1965. 450 J8212J
- 64654 BECK, J., and others. Study of the ontogenesis of *Artemisia absinthium* in view of pharmacological utilization. (Ge) *Herba Hung.* 4(2):83-99. 1965. 71.8 H413
- 64655 BEHNKE, H. D. On the phloem of Dioscoreaceae, with special reference to their nodal ganglia. I. Light microscopic investigations about the structure of the phloem-part of the ganglion, and its relation to the whole vascular system of the shoot. (Ge) *Z. Pflanzenphysiol.* 53(2):97-125. Ref. Aug. 1965. 450 Z32 English summary. *Dioscorea reticulata*.
- 64656 BEHNKE, H. D. On the phloem of Dioscoreaceae, with special reference to their nodal ganglia. II. Electron microscopic investigations about the fine structure of the ganglion. (Ge) *Z. Pflanzenphysiol.* 53(3):214-244. Ref. Oct. 1965. 450 Z32 English summary. *Dioscorea reticulata* and *D. macroura*.
- 64657 BELITSER, N. V. Development of vegetative and generative parts of the spikelet *Oryza sativa* L. (Ukr) *Ukr. Bot. Zhur.* 22(5):51-58. 1965. 450 J8212J English summary.
- 64658 BENJAMIN, R. K. The merosporangium. *Mycologia* 58(1):1-42. Ref. Jan./Feb. 1966. 450 M99 Mucorales.
- 64659 BEREZENKO, N. P., and RADIONENKO, A. Y. Morphogenesis and embryonic development of *Cerasus avium* L. (Ukr) *Ukr. Bot. Zhur.* 22(6):9-17. Ref. 1965. 450 J8212J English summary.
- 64660 BERKSON, B. M. Cytomorphological studies of the ascogenous hyphae in four species of *Chaetomium*. *Mycologia* 58(1):125-130. Ref. Jan./Feb. 1966. 450 M99
- 64661 BLAISE, S. Comparative karyology and morphology of *Myosotis stricta* Link. and *Myosotis rusciniensis* Rouy. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(1):103-106. Jan. 3, 1966. 505 P21
- 64662 BLYDENSTEIN, J. Root systems of four desert grassland species on grazed and protected sites. *J. Range Manage.* 19(2):93-95. Mar. 1966. 60.18 J82 In Arizona.
- 64663 BUCKLEY, P. M., SJAHOLOM, V. E., and SOMMER, N. F. Electron microscopy of *Botrytis cinerea* Conidia. *J. Bacteriol.* 91(5):2037-2044. Ref. May 1966. 448.3 J82
- 64664 CARR, S. G. M., and CARR, D. J. Cotyledonary stipules in the Myrtaceae. *Nature [London]* 210(5302):185-186. Apr. 9, 1966. 472 N21
- 64665 CHINNAPPA, C. C., and SREENIVASAN, M. S. Cytological studies on germinating teliospores of *Hemileia vastatrix*. *Caryologia* 18(4):625-631. Ref. Oct./Dec. 1965. 442.8 C25
- 64666 CHOLNOKY-PFANNKUCHE, K. Investigations on the protoplasm of salt water and fresh water diatoms. (Ge) *Protoplasma* 60(4):345-354. Ref. 1965. 442.8 P94 *Podosira montagnei* and *Pleurosigma salinarum*.
- 64667 CHOUDHURY, A. R. Effects of Na₂, 3-dichloroisobutyrate (FW-450) on root tip mitosis in *Vicia faba*. *Pakistan J. Sci.* 16(5/6):276-282. Ref. Sept./Nov. 1964. 475 P172
- 64668 CHOUINARD, L. A. Nucleolonema and pars amorpha in root meristematic cells of *Vicia faba*. *Can. J. Bot.* 44(4):403-411. Ref. Apr. 1966. 470 C16C
- 64669 CHOWDHURY, A. R., and ALLAN, R. E. Culm length and differential development of the coleoptile, root, and subcrown internode of near-isogenic wheat lines. *Crop Sci.* 6(1):49-51. Jan./Feb. 1966. 64.8 C883
- 64670 CHOWDHURY, A. R., and ALLAN, R. E. Culm length and differential development of three foliar leaves of near-isogenic wheat lines. *Crop Sci.* 6(1):28-31. Ref. Jan./Feb. 1966. 64.8 C883
- 64671 DARDEN, W. H. Sexual differentiation in *Volvox aureus*. *J. Protozool.* 13(2):239-255. Ref. May 1966. 439.8 J82
- 64672 DATTA, N. Cytological effects of gammexane on somatic chromosomes of *Urginea coromandeliana* Hook. *F. Cur. Sci.* 35(3):75-76. Feb. 5, 1966. 475 Sci23
- 64673 DEMCHENKO, N. I. Morphology of pollen in Neuradaceae. (Rus) *Bot. Zhur. [Moscow]* 51(4):559-562. Ref. Apr. 1966. 451 R923
- 64674 DEYSSON, G., and DELAGE, M. Study on *Allium [sativum]* the influence of various vitamins of the group B on the mitoclastic action of the colchicine: protection made by a mixture of nicotinamide and riboflavine. (Fr) *Acad. Sci. Compt. Rend.* 261(23):5187-5190. Dec. 8, 1965. 505 P21
- 64675 DIERS, L., and SCHOTZ, F. On the fine structure of plant mitochondria. (Ge) *Z. Pflanzenphysiol.* 53(4):334-343. Ref. Nov. 1965. 450 Z32 English summary. *Oenothera hybrid*.
- 64676 DOBROTVORSKAYA, A. V. On the lodicule abnormalities in the flower of some Gramineae. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p. 36-46. Ref. 1965. QK653.12
- 64677 DRAWERT, H., and RUFFER-BOCK, U. Microspectrophotometric investigations with the UMSP I [Universal Microspectrophotometer] (C. Zeiss) of the outer epidermis of the scale leaves of *Allium cepa* after neutral red staining. (Ge) *Protoplasma* 60(4):435-445. Ref. 1965. 442.8 P94
- 64678 EIFRIG, H. A contribution to the identification of varieties and types of *Trifolium alexandrinum* L. and *Trifolium resupinatum* L. (Ge) *Int. Seed Testing Ass. Proc.* 30(3):573-585. Ref. 1965. 61.9 In84P English summary.
- 64679 ERMOLENKO, I. V. Peculiarities of pumpkin seed formation. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:132-134. Feb. 1966. 20 V633
- 64680 EZELARAB, G. E., and DORMER, K. J. The organization of the primary vascular system in the Rhoeadales. *Ann. Bot. (n.s.)* 30(117):123-132. Jan. 1966. 450 An7

- 64681 FABBRI, F. Second supplement to the "Tavole Cromosomiche delle Pteridophyta" [¹⁴Chromosome Tables of the Pteridophyta] by Alberto Chiarugi. (It) Caryologia 18(4):675-731. Ref. Oct./Dec.1965. 442.8 C25
- 64682 FALK, H., LUTTGE, U., and WEIGL, J. Investigations on the physiology of plasmolysed cells. I. (Ge) Z. Pflanzenphysiol. 53(1):19-31. Ref. July 1965. 450 Z32
English summary.
Elodea canadensis and maize studies with radioactive sulfur.
- 64683 FATHIMA, T. Sporogenesis and the development of gametophytes in *Cordia alba* L. Cur. Sci. 35(3):73-74. Feb.5,1966. 475 Sci23
- 64684 FELLEBERG, G. Investigations on germ pore count in pollen grains of the genus *Beta*. (Ge) Flora [Jena] Abt. B, Morphol. Geobot. 156(1):1-7. Oct.20,1965. 450 F66
Includes sugar beets.
- 64685 FLACH, M. Diffuse centromeres in a dicotyledonous plant. Nature [London] 209(5030):1369-1370. Mar.26,1966. 472 N21
Myristica fragrans.
- 64686 FRAHM-LELIVELD, J. A. Cytological data on some wild tropical *Vigna* species and cultivars from cowpea and asparagus bean. Euphytica 14(3):251-270. Ref. Nov.1965. 450 Eu6
Chromosome numbers.
- 64687 FUCHS, C. Ontogenic studies on the phloem of foliole of *Lupinus albus* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):91-94. Jan.3, 1966. 505 P21
- 64688 FULFORD, R. M. The morphogenesis of apple buds. II. The development of the bud. Ann. Bot. (n.s.)30(117):25-38. Ref. Jan.1966. 450 An7
- 64689 GAHAN, P. B., and MAPLE, A. J. The behaviour of lysosome-like particles during cell differentiation. J. Expt. Bot. 17(50):151-155. Ref. Feb.1966. 450 J8224
Broadbeans; includes phosphatase activity.
- 64690 GENEVES, L. Evolution of the substructure of cytoplasm in the sporiferous tissues of anthers of the *Ribes rubrum* L. (Grossulariaceae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):72-75. (Jan.3,1966). 505 P21
- 64691 GIANNATTASIO, M. Karyological observations on the biotype of *Allium pendulinum* Ten. living in Portici. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:475-478. 1964/65. 105.4 P83
English summary.
- 64692 GILBERT, E. F. Structure and development of sumac clones. Amer. Midland Natur. 75(2):432-445. Apr.1966. 410 M58
Rhus glabra.
- 64693 GORGENYI, MRS. L., and BRUNNER, T. Histological study of strong and weakly growing *Prunus* rootstocks. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):33-66. 1964, pub.1965. 80 B85
German summary.
- 64694 GORYSHINA, T. K. Anatomic structure of leaves of early-spring ephemeral plants growing in oak forest. (Rus) Leningr. Un-t. Vestn. 3:45-51. 1965. 511 L549
Abstracted in Ref. Zh. Biol. 20(sect.V):12. Oct.1965. 241.7 R25
- 64695 GREGORY, D. W., and COCKING, E. C. Studies on isolated protoplasts and vacuoles. I-II. J. Expt. Bot. 17(50):57-77. Ref. Feb.1966. 450 J8224
Tests with tomato tissues, including use of indoleacetic acid labelled with radioactive carbon.
- 64696 HALOS, M. T. The morphology of the Ceramiaceae; the conception of brachycladome. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):64-67. Jan.3,1966. 505 P21
- 64697 HALTVICK, E. T., and STRUCKMEYER, B. E. Blossom bud differentiation in red raspberry. Amer. Soc. Hort. Sci. Proc. 87:234-237. Dec. 1965. 81 So12
- 64698 HARDER, R. On inflorescence and blossom formation of some insectivorous plants in axenic cultures without animal substances. (Ge) Deut. Bot. Ges. Ber. 78(3):122-129. 1965. 451 D48
- 64699 HARRIS, P., and BAJER, A. Fine structure studies on mitosis in endosperm metaphase of *Haemanthus katherinae* Bak. Chromosoma 16(5):624-636. Ref. 1965. 442.8 C46
- 64700 HEAD, G. C. Estimating seasonal changes in the quality of white unsprayed root on fruit trees. J. Hort. Sci. 41(2):197-206. Apr.1966. 80 J825
Chiefly apples.
- 64701 HERICH, R. Heterochromatin and the differentiation of nuclei. (Cz) Biologia [Bratislava] 21(3):194-201. Ref. 1966. 442.8 B5265
German summary.
Plants.
- 64702 HOLZL, J. Investigations of onion and potato cells with the light and electron microscope. (Ge) Protoplasma 60(4):446-479. Ref. 1965. 442.8 P94
- 64703 HUBNER, G. The water permeability of plant cells. (Ge) Protoplasma 60(4):401-425. Ref. 1965. 442.8 P94
Tests with *Tolypella nidifica*.
- 64704 HUGHES, H. M. Inflorescence orientation on one-year strawberry plants. J. Hort. Sci. 41(2):95-101. Apr.1966. 80 J825
- 64705 HUTCHISON, D. J. Notes on bananas. II. Chromosome counts of varieties. Trop. Agr. [St. Augustine] 43(2):131-132. Apr.1966. 26 T754
Cytological survey for breeding program.
- 64706 INGOLD, C. T. The tetra-radiate aquatic fungal spore. Mycologia 58(1):43-56. Ref. Jan./Feb. 1966. 450 M99
Moniliales.
- 64707 IOFFE, M. D. Embryology of *Trochodendron aralioides* Sieb. et Zucc. (Development of embryo and endosperm). (Rus) In Yakovlev, M. S., ed. Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennyykh rastenii, p.177-188. Ref. 1965. QK653.12
- 64708 ISRAEL, H. W., and STEWARD, F. C. The fine structure of quiescent and growing carrot cells: its relation to growth induction. Ann. Bot. (n.s.)30(117):63-79. Ref. Jan.1966. 450 An7
- 64709 JACKSON, C. R., and SAMPLES, L. E. Estimation of the surface area of a groundnut pod. Oleagineux 20(12):743-744. Dec.1965. 77.8 OL2
- 64710 JOHNSTON, A., and COSBY, H. E. Rhizomatous form of *Festuca scabrella*. Can. J. Plant Sci. 46(2):211-212, map. Mar.1966. 450 C16
Morphological forms as affected by environment.
- 64711 KALINOV, A. G. Phylogenesis and ontogenesis of the cell. (Bu) Priroda [Sofia] 13(6):31-35. Nov./Dec.1964. 410 P934
Includes plants.
- 64712 KANDELAKI, G. V. Peculiarities of sporogenesis of distant hybrids. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 39(2):435-442. Ref. Aug.1965. 511 Ak146
Wheat-rye hybrids.
- 64713 KARAG'ZOVA, M. D. Embryogenesis, anatomic particularities of the seed, and morphogenesis of the bulb of *Lilium martagon* L. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:215-231. Ref. 1965. 451 B87
English summary.
- 64714 KARAG'ZOVA, M. D. Meristem tissues, the forms of reproduction and ontogenesis in the higher plants. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:155-170. Ref. 1965. 451 B87
English summary.
- 64715 KATAYAMA, T. Cytogenetical studies on the genus *Oryza*. I. Chromosome pairing of interspecific hybrid *O. sativa* x *O. officinalis* under different temperature conditions. Jap. J. Genet. 40(4):307-313. Ref. Aug.1965. 442.9 J27
- 64716 KLEIN, R. M. Photomorphogenesis of the bean plumular hook. Physiol. Plant. 18(4):1026-1033. Ref. 1965. 450 P564
- 64717 KLEIN, S., and BEN-SHAUL, Y. Changes in cell fine structure of lima bean axes during early germination. Can. J. Bot. 44(3):331-340. Ref. Mar.1966. 470 C16C

- 64718 KOHEL, R. J. Identification of super cup mutant in cotton, *Gossypium hirsutum* L. Crop Sci. 6(1):86-87. Jan./Feb.1966. 64.8 C883
Cytology and chromosome numbers.
- 64719 KOLOMIETZ', I. A., and CHIRYAT'YEVA, V. Z. Structure and activity of the apical cones of the shoots of the large-fruited strawberry (*Fragaria grandiflora* Ehrh.) (Uk) Ukr. Bot. Zhur. 23(1):9-16. Ref. 1966. 450 J8212J
English summary.
- 64720 KOMAR, G. A. On the arillus structure of some Grossulariaceae. (Rus) In Yakovlev, M. S., ed. Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennyykh rastenii, p.114-130. Ref. 1965. QK653.12
- 64721 KOSOVA, A. I. Cytoembryological investigations of the caryopsis of barley (*Hordeum* L.) in the process of its development. (Uk) Ukr. Bot. Zhur. 22(6):67-74. Ref. 1965. 450 J8212J
English summary.
- 64722 KOTSUR, N. V. Characteristics of the optical properties of the seed coat tissue of some species of plants. (Uk) Ukr. Bot. Zhur. 22(5):94-96. 1965. 450 J8212J
- 64723 KOVANDA, M. Some chromosome counts in the *Campanula rotundifolia* complex. Preslia 38(1):48-52. Ref. 1966. 450 P92
- 64724 KOZHUKHAROV, S. I., and KUZMANOV, B. A. Chromosome numbers of flowering plants in Bulgaria. Bulgarska Akad. Nauk. Bot. Inst. Izv. 15:255-258. Ref. 1965. 451 B87
- 64725 KRESSEL, M. Formation of antheridia and archegonia in *Microlepidia spelunca* (L.) Moore. (Ge) Z. Pflanzenphysiol. 54(3):366-368. Nov. 1965. 450 Z32
English summary.
- 64726 KURIACHEN, P. I. Cytology of *Lycopodium cernuum* L. Caryologia 18(4):633-636. Oct./Dec.1965. 442.8 C25
- 64727 KUSTER, E. The effect of centrifuging on the viscosity of living protoplasm. 3 p. Transl. 14357
Spirogyra and *Cladophora*.
Translation from Kolloid Zeitschrift 89(2): 237-238. 1939.
- 64728 LAFONT, A. M. Infrastructural characteristics of leucoplasts with pseudocrystal in the ligule cellules of *Selaginella willdenovii* Baker. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(7): 749-751. Feb.14,1966. 505 P21
- 64729 LEMESLE, R., and DUPUY, P. Histological particularities of the stem of *Nothopanax ananallum* Seem. (Araliaceae); pseudo-homogeneity of the secondary woods. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):88-90. Jan.3,1966. 505 P21
- 64730 LEMOIGNE, Y., and GILLES, A. The realization of a particular system for the protection of the macrosporangium in the *Selaginella bakeriana* Bailey. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):84-87. Jan.3,1966. 505 P21
- 64731 LEMOINE-SEBASTIAN, C. A new interpretation of the female cone of *Juniperus*. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):107-110. Jan.3,1966. 505 P21
- 64732 LI, Y. H., LUBKE, R. A., and PHIPPS, J. B. Studies in the Arundinelleae (Gramineae). IV. Chromosome numbers of 23 species. Can. J. Bot. 44(4):387-393. Ref. Apr.1966. 470 C16C
- 64733 LOISEAUX, S. Cycle of development of *Ascocyclus hispanicus* (Phaeophyceae, Myrionemataceae) and the formation of coccoid stages in culture. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):68-71. Jan.3,1966. 505 P21
- 64734 LONGEVIALLE, M. Embryo genesis of *Campanulaceae*; development of embryo in *Adenophora bulleyana* Diels (Fisch). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1527-1529. Apr.14,1966. 505 P21
- 64735 LOVE, A., and RITCHIE, J. C. Chromosome numbers from central northern Canada. Can. J. Bot. 44(4):429-439. Ref. Apr.1966. 470 C16C
- 64736 LOZOVA, H. I. Role of the endosperm in the manifestation of the properties of the pigment system of plastids in corn shoots. (Ukr) Ukr. Bot. Zhur. 23(1):17-22. Ref. 1965. 450 J8212J
English summary.
- 64737 LUNDEGARDH, H., and DUCET, G. The cytochrome system of tubercule and mitochondria of potatoes. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):263-268. Ref. Jan.10,1966. 505 P21
- 64738 MAEDA, E. Inhibition of lamina inclination by cytokinin in excised rice leaves. Plant Cell Physiol. 6(4):653-660. Ref. Dec.1965. 450 P699
Kinetin.
- 64739 MAERCKER, U. Infiltration of leaves of *Ilex aquifolium* at low temperatures. (Ge) Z. Pflanzenphysiol. 53(2):162-168. Aug.1965. 450 Z32
English summary.
- 64740 MAERCKER, U. On the supposed pores in the outer walls of the epidermis of *Cocculus laurifolius* and *Camellia japonica*. (Ge) Z. Pflanzenphysiol. 53(1):86-89. July 1965. 450 Z32
- 64741 MARKS, G. E. The cytology of *Phthophora infestans*. Chromosoma 16(6):681-692. Ref. 1965. 442.8 C46
- 64742 MAROTI, I. Comparative anatomical studies of the leaves of *Ophioglossaceae*. (Ge) Acta Biol. N. S. 11(1/2):55-81. Ref. 1965. 442.8 Ac86
- 64743 MARSCHALL, F. A contribution to the identification of sheat varieties by kernel characters. (Ge) Int. Seed Testing Ass. Proc. 30(3):625-636. Ref. 1965. 61.9 In84P
English summary.
- 64744 MEHTA, R. K., SINGH, A., and GHOSH, R. Induced polyploidy in methra. Cur. Sci. 35(1):22-23. Jan.5,1966. 475 Sci23
Trifolium foenum graecum.
- 64745 MER, C. L. The inhibition of cell division in the mesocotyl of etiolated oat plants by light of different frequencies. Ann. Bot. (n.s.)30(117): 17-23. Ref. Jan.1966. 450 An7
Mitosis.
- 64746 MIROSLAVOV, E. A. Some anatomical and physiological peculiarities of flower trichomes of *Scrophulariaceae* in relation to their functions. (Rus) In Yakovlev, M. S., ed. Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennyykh rastenii, p.18-35. Ref. 1965. QK653.12
- 64747 MORTIER, J., and LEBEGUE, A. Embryogenesis of Labiatae; development of the embryo of *Ballota foetida* Lamk. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):76-79. Jan.3,1966. 505 P21
- 64748 MULLIGAN, G. A. Chromosome numbers of the family Cruciferae. III. Can. J. Bot. 44(3): 309-319. Ref. Mar.1966. 470 C16C
- 64749 NAGL, W. The SAT-giant chromosomes of the suspensor nucleus in *Phaseolus coccineus* and their behavior during endomitosis. (Ge) Chromosoma 18(4):511-520. Ref. 1965. 442.8 C46
- 64750 NINAN, C. A., and RAVEENDRANATH, T. G. A naturally occurring haploid embryo in the coconut palm (*Cocos nucifera* L.). Caryologia 18(4):619-623. Ref. Oct./Dec.1965. 442.8 C25
- 64751 NORDMAN, F. Occurrence of aberrant types of flowers in an isolated population of *Campanula trachelium*. (Sw) Soc. Fauna Flora Fenn. Mem. 41:37-40. 1964/65. 511 H365Me
German summary.
- 64752 NYMAN, B. Histochemical observations on the fatty reserve in light- and dark-germinated seeds of Scots pine (*Pinus silvestris* L.). Physiol. Plant. 18(4):1095-1104. Ref. 1964. 450 P564
- 64753 OLIVIN, J. An observation method of the oil palm radicular system. (Fr) Oleagineux 20(12):731-733. Dec.1965. 77.8 OL2
- 64754 OSIPOVA, O. P., and ASHUR, N. I. Structure of chloroplasts of maize leaves of plants cultivated under various illumination conditions. (Rus) Fiziol. Rast. 12(2):257-262. Ref. 1965. 450 F58
English summary.

- 64755 PALAMAR-MORDVYNTSEVA, H. M. Polymorphism in *Ankistrodesmus braunii* Brunnth; normal development of cells. (Ukr) Ukr. Bot. Zhur. 23(1):63-68. 1966. 450 J8212J
English summary.
- 64756 PECHENTSYN, V. P. Embryology of *Tulipa vvedenskyi*. (Rus) Uz. Biol. Zhur. 2:53-57. 1965. 442.8 Uz1
Abstracted in Ref. Zh. Biol. 22(sect.V):17. Nov.1965. 241.7 R25
- 64757 PEJOVICS, B. Some biological peculiarities of almond flowers and their influence on productive capacity. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):99-114. Ref. 1964, pub. 1965. 80 B85
English summary.
- 64758 PERVUKHINA, N. V. Perianth of *Thea sinensis* L. and its origin. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p.47-60. Ref. 1965. QK653.12
- 64759 PICKETT-HEAPS, J. D., and NORTHCOTE, D. H. Cell division in the formation of the stomatal complex of the young leaves of wheat. *J. Cell Sci.* 1(1):121-128. Mar.1966. QH301.J6
- 64760 PICKETT-HEAPS, J. D., and NORTHCOTE, D. H. Organization of microtubules and endoplasmic reticulum during mitosis and cytokinesis in wheat meristems. *J. Cell Sci.* 1(1):109-120. Ref. Mar.1966. QH301.J6
- 64761 PICKETT-HEAPS, J. D., and NORTHCOTE, D. H. Relationship of cellular organelles to the formation and development of the plant cell wall. *J. Expt. Bot.* 17(50):20-26. Ref. Feb. 1966. 450 J8224
Tests with wheat.
- 64762 PILAT, A. Uncommonly big fruit-body of *Mau-blancomyces gigas* (Krbh.) Herter. (Cz) *Mykol. Sb.* 43(1/2):28-29. Mar./Apr.1966. 450 C27
- 64763 PIZZOLONGO, P., and ARIENZO, M. D. Contribution to the karyology of the genus *Acanthus*. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:175-183. Ref. 1964/65. 105.4 P83
English summary.
- 64764 PLUNKETT, B. E. Morphogenesis in the mycelium: control of lateral hypha frequency in *Mucor hiemalis* by amino-acids. *Ann. Bot.* (n.s.)30(117):133-151. Ref. Jan.1966. 450 An7
Cultured in malt extract.
- 64765 POPOVA, A. E. Formation and development of generative organs of the black currant (*Ribes nigrum* L.). (Ukr) Ukr. Bot. Zhur. 22(6):83-89. Ref. 1965. 450 J8212J
English summary.
- 64766 POPOVA, A. F. Cytoembryological development of the black currant (*Ribes nigrum* L.) in intravarietal and intervarietal crossing (intra-specific crossing). (Ukr) Ukr. Bot. Zhur. 23(1):48-53. Ref. 1966. 450 J8212J
English summary.
- 64767 POVALYAEVA, I. A. Morphological and anatomical peculiarities of structure in some species of the family *Chenopodiaceae*. (Rus) *Leningr. Un-t. Vestn.* 3:52-57. 1965. 511 L549
Abstracted in Ref. Zh. Biol. 20(sect.V):10-11. Oct.1965. 241.7 R25
- 64768 PRITCHARD, A. J. Cytological and genetical studies on hybrids between *Sorghum alnum* Parodi (2n=40) and some diploid (2n=20) species of sorghum. *Euphytica* 14(3):307-314. Ref. Nov.1965. 450 Eu6
- 64769 RANA, R. S. Induced interchange heterozygosity in diploid *Chrysanthemum* [carinatum]. *Chromosoma* 16(4):477-485. Ref. 1965. 442.8 C46
- 64770 REES, H., and SUN, S. Chiasma frequency and the disjunction of interchange associations in rye. *Chromosoma* 16(4):500-510. Ref. 1965. 442.8 C46
- 64771 RIDGWAY, J. E., and LARSON, D. A. Sporogenesis in the bryophyte anthocerosis: features shown by fluorescence microscopy. *Nature* [London] 209(5028):1154. Mar.12,1966. 472 N21
- 64772 RODRIGUEZ-LOPEZ, M. Morphological and structural changes produced in *Chlorella pyrenoidosa* by assimilable sugars. *Arch. Mikrobiol.* 52(4):319-324. Ref. 1965. 442.8 Ar26
- 64773 ROGERS, W. S., and HEAD, G. C. The roots of fruit plants. *Roy. Hort. Soc. J.* 91(5):198-205. May 1966. 84 L84J
Morphology.
- 64774 RONCHI, V. N., AVANZI, S., and AMATO, F. D'. Chromosome endoreduplication (endopolyploidy) in pea root meristems induced by 8-azaguanine. *Caryologia* 18(4):599-617. Ref. Oct./Dec.1965. 442.8 C25
- 64775 ROSA, M. P. DE. Karyological observations on *Iris pseudacorus* L. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:93-100. Ref. 1964/65. 105.4 P83
English summary.
- 64776 ROYCHOUDHURY, R., and SEN, S. P. The effect of gibberellic acid on nucleic acid metabolism in coconut milk nuclei. *Plant Cell Physiol.* 6(4):761-765. Ref. Dec.1965. 450 P699
- 64777 RUER, P. Technique for the study of the oil-palm rooting system. (Fr) *Oleagineux* 21(4):202-205. Apr.1966. 77.8 OL2
English summary, p.XXXIX.
- 64778 RUINARD, J. Varietal differences in leaf-spindle structure and growth distribution in leaves and stems of sugar-cane. *Ann. Bot.* (n.s.)30(117):1-15. Jan.1966. 450 An7
- 64779 RUSTAMOVA, D. M. Morpho-biological peculiarities of pollen and development of gametophyte in soybeans. (Rus) Uzbekistan. Akademiya Nauk Uzbekskoi SSR. Doklady 5:53-56. 1965. 511 Uz1
Abstracted in Ref. Zh. Biol. 22(sect.V):17. Nov.1965. 241.7 R25
- 64780 RUSTEMBEKOV, S. Formation processes and organogenesis stages in opium poppy plants. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 2:48-52. Feb.1966. 20 V633
English summary.
- 64781 SARDA, R. P. Relation of chromosomal bridges at anaphase to exchanges at metaphase: radiation studies. *Diss. Abs.* 26(10):5681. Apr.1966. 241.8 M58
Tests with *Tradescantia*.
- 64782 SATAROVA, N. A. Some peculiarities of plant cells during dormancy. 4 p. *Transl.* 14482
Translation from *Akademiya Nauk SSSR. Doklady* 62(5):713-716. 1948.
- 64783 SATO, K. Notes on the leaf appearance interval or rice plant. 16 p. Ref. *Transl.* 14903
Translation from Crop Science Society of Japan. *Proceedings* 31(1):1-5. Sept.1962.
- 64784 SAVCHENKO, M. I., and KOMAR, G. A. Morphology of ovules of some monocotyledons. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p.74-113. Ref. 1965. QK653.12
- 64785 SCHMID, R., and LIESE, W. The external structure of hyphae of three blue stain fungi. (Ge) *Phytopathol. Z.* 54(3):275-284. Ref. Nov. 1965. 464.8 P562
English summary.
- 64786 SCHNEPF, E. Light and electron microscopical investigations on the hydathodes in *Cicer arietinum*. (Ge) *Z. Pflanzenphysiol.* 53(3):245-254. Ref. Oct.1965. 450 Z32
English summary.
- 64787 SHAKHOV, A. A., and GOLUBKOVA, B. M. The structure of chloroplasts and the lipid globulation. (Rus) Bot. Zhur. [Moscow] 51(4):551-553. Ref. Apr.1966. 451 R923
Potatoes.
- 64788 SHEELA, R., and NARAYANA, L. L. Embryology of *Pittosporaceae*. *Cur. Sci.* 35(3):74-75. Feb.5,1966. 475 Sci23

- 64789 SHERIFF, A., and NAGARAJ, M. A note on the karyomorphology of *Linnophyton obtusifolium* Miq. *Cur. Sci.* 35(1):19-20. Jan.5,1966. 475 Sci23
- 64790 SHIMOYA, C. Considerations with respect to the stamens of the flower of "Catongo" cacao (*Theobroma cacao* L.). (Por) *Rev. Ceres* 12 (69):187-198. Jan./June 1965. 9.2 C332 English summary.
- 64791 SHIMOYA, C. *Gasteria* spp. as material of great value in the study of cytology. (Por) *Rev. Ceres* 12(69):162-168. Jan./June 1965. 9.2 C332 English summary.
- 64792 SIEVERS, A. Electron microscopical investigations on the geotropical reaction. I. Characteristics in the ultrastructure of the rhizoids of *Chara foetida*. (Ge) *Z. Pflanzenphysiol.* 53(3):193-213. Ref. Oct.1965. 450 Z32 English summary.
- 64793 SIMONET, M., and GUINOCHET, M. Morphological and karyological anomalies in young plantlets caused by halogen derivatives of cyclic carbides. 5 p. *Transl.* 14467 Wheat and flax. Translation from Societe de Biologie. *Comptes Rendus* 131:222-224. 1939.
- 64794 SIMONS, R. K., and LOTT, R. V. The effect of early-season hail injury on the morphological and anatomical development of peaches. *Amer. Soc. Hort. Sci. Proc.* 87:154-162. Ref. Dec. 1965. 81 So12
- 64795 SIMONS, R. K. Tissue development in the apple associated with embryo abortion. *Amer. Soc. Hort. Sci. Proc.* 87:55-65. Ref. Dec.1965. 81 So12
- 64796 SITTE, P. Bau und Feinbau der Pflanzenzelle; eine Einführung [Structure and ultrastructure of the plant cell; an introduction]. Stuttgart, Fischer, 1965. 230 p. QK725.S5 Bibliography, p.194-211.
- 64797 SOBOTA, A. E., and PARTANEN, C. R. The growth and division of cells in relation to morphogenesis in fern gametophytes. I. Photomorphogenetic studies in *Pteridium aquilinum*. *Can. J. Bot.* 44(4):497-512. Ref. Apr.1966. 470 C16C
- 64798 SOLNTSEVA, M. P. Development of the multicellular archesporium in strawberry. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p.189-204. Ref. 1965. QK653.12
- 64799 SOMERS, G. F. The bending of potato-tuber slices mounted as cantilever beams. *J. Expt. Bot.* 17(50):27-33. Ref. Feb.1966. 450 J8224 Study of elastic properties of cell walls.
- 64800 SORSA, V. Chromosome numbers of *Elaphoglossum* and *Hymenodium*. *Nature [London]* 210 (5033):334. Apr.16,1966. 472 N21
- 64801 SOZYNSKI, J., ILNICKA, O., and TUMIDALSKA, I. The influence of various mediums on the polymorphism and sporulation of *Claviceps purpurea* cultures. (Ge) *Mycopathol. Mycol. Appl.* 27(3/4):241-252. Ref. Dec.1,1965. 450 M994 English summary, p.252.
- 64802 SPARVOLI, E., GAY, H., and KAUFMANN, B. P. Number and pattern of association of chromonemata in the chromosomes of *Tradescantia [paludosa]*. *Chromosoma* 16(4):415-435. Ref. 1965. 442.8 C46
- 64803 SPECKMANN, G. J., POST, J., and DIJKSTRA, H. The length of stomata as an indicator for polyploidy in rye-grasses. *Euphytica* 14(3):225-230. Ref. Nov.1965. 450 Eu6
- 64804 SPORNE, K. R. The morphology of gymnosperms; the structure and evolution of primitive seed-plants. London, Hutchinson, 1965. 216 p. Ref. (Biological Sciences) QK643.G99S6 Bibliography, p.199-210.
- 64805 SPREY, B., and KAJA, H. On the change of structure and function in greening plastids of *Tradescantia albiflora* Kunth. em Bruckn cv. "aureo vittata." (Ge) *Z. Pflanzenphysiol.* 53 (2):140-156. Ref. Aug.1965. 450 Z32 English summary.
- 64806 SPREY, B. On the macromolecular organization of plastids I. *Z. Pflanzenphysiol.* 53(3):255-261. Ref. Oct.1965. 450 Z32 English summary. *Tradescantia albiflora.*
- 64807 STALFELT, M. G. The role of the epidermal cells in the stomatal movements. *Physiol. Plant.* 19(1):241-256. Ref. 1966. 450 P564 In broadbeans.
- 64808 STEWART, J. M., and FOLLETT, E. A. C. The electron microscopy of leaf surfaces preserved in peat. *Can. J. Bot.* 44(4):421-427. Ref. Apr. 1966. 470 C16C
- 64809 TELLHELM, E. Malformations of the inflorescence of white clover (*Melilotus albus* Desr.). (Ge) *Flora [Jena] Abt. B, Morphol. Geobot.* 156(1):102-104. Oct.20,1965. 450 F66
- 64810 THANGAVELU, S., and DURAIRAJ, V. Antherless *Sorghum*. *Madras Agr. J.* 52(1):31-32. Jan.1965. 22 M262
- 64811 THOMAS, P. Electron microscope study of the effects of pepsin and ribonuclease on the meristem cellules of radish and squash. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(7):745-748. Feb.14,1966. 505 P21
- 64812 TOWNSEND, C. E., and REMMENG, E. E. Estimation of self-compatibility in tetraploid alsike clover, *Trifolium hybridum* L. *Crop Sci.* 6(1):89-90. Jan./Feb.1966. 64.8 C883 Morphology.
- 64813 VINTEJOUX, C. Paraplasmic inclusions in the cells of hibernaculum of the *Utricularia neglecta* L. (*Lentibulariaceae*). (Fr) *Acad. Sci. Compt. Rend.* 261(20):4198-4201. Nov.15,1965. 1965. 505 P21
- 64814 VISYULINA, E. D. Phenomenon of cauliflory in the apricot (*Armeniaca Tourn.*). (Ukr) *Ukr. Bot. Zhur.* 21(4):106. 1964. 450 J8212J
- 64815 WAHL, S. P., and CHUNEKAR, K. C. Pharmacognostical studies of *Gymnema sylvestre* R. Br. *Banaras Hindu Univ. J. Sci. Res.* 15(2):204-209. 1964/65. 330.9 B43 Drug plant morphology.
- 64816 WANINGE, J. A modified method of counting chromosomes in root tip cells of wheat. *Euphytica* 14(3):249-250. Nov.1965. 450 Eu6
- 64817 WANKA, F. The use of colchicine in investigation of the life cycle of *Chlorella*. *Arch. Mikrobiol.* 52(4):305-318. Ref. 1965. 442.8 Ar26 Cytology.
- 64818 WILLIAMS, R. F. Development of the inflorescence in Gramineae. *Nottingham, Univ. Easter Sch. Agr. Sci. Proc.*, 12th Easter Sch.:74-87. Ref. 1965, pub.1966. S217.E2 Literature review.
- 64819 WILSON, K., and HONEY, J. N. Root contraction in *Hyacinthus orientalis*. *Ann. Bot. (n.s.)* 30(117):47-61. Ref. Jan.1966. 450 An7 Anatomical study.
- 64820 WILSON, K. A., and RICKSON, F. R. An anatomical study of the Hawaiian fern *Adenophorus sarmentosus*. *Pacific Sci.* 20(1):114-118. Ref. Jan.1966. 475 P11
- 64821 WRISCHER, M. Electron microscope investigations of cell necrobiosis. (Ge) *Protoplasma* 60(4):355-400. Ref. 1965. 442.8 P94 English summary.
- 64822 YAKOVLEV, M. S. Coenocytic structures. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p.131-139. Ref. 1965. QK653.12 Chiefly in *Cycas revoluta*.
- 64823 YAKOVLEV, M. S., and IOFFE, M. D. Embryology in the genus *Paeonia* L. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*, p.140-176. Ref. 1965. QK653.12
- 64824 YAKOVLEV, M. S., ed. *Morfologiya tsvetka i reproduktivnyi protsess u pokrytosemennykh rastenii*. Flower morphology and reproductive process of angiosperms. Moskva, Nauka, 1965. 203 p. Ref. QK653.12

- 64825 YAKOVLEV, M. S., and SOLNTSEVA, M. P. Some problems of flower morphology and embryology of feathergrasses [Stipa]. (Rus) In Yakovlev, M. S., ed. *Morfologiya tsvetka i re-produktivnyi protsess u pokrytosemennyykh rastenii*, p.61-73. Ref. 1965. QK653.12
- 64826 YAMASAKI, N. Differential staining of the somatic metaphase chromosomes of *Cypripedium debile* with the methyl green pyronine method. (Ge) *Chromosoma* 16(4):411-414. 1965. 442.8 C46
- 64827 ZHIROV, E. G. Spontaneous perturbation of mitosis in apomictic radicles of *Poa alpinus*. (Rus) *Akad. Nauk SSSR. Sibirskoe Otdelenie. Izv. Ser. Biol. i Med. Nauk* 1:137-139. 1965. 442.9 Ak125
Abstracted in Ref. Zh. Biol. 22(sect.A):16. Nov.1965. 241.7 R25
- GENETICS**
- 64828 ANDERSON, J. The birth of genetics. Kenya Farmer 109:10-11. Aug.1965. 24 R812
Plants and livestock, with particular reference to work of Gregor Mendel.
- 64829 ARCENEAUX, G. Selection pressure; its significance in the development of sugarcane varieties. Sugar J. 28(11):15-20. Apr.1966. 65.8 Su391
Genetics.
- 64830 AURANGZEB, S. A note on a mutant *Corchorus capsularis*. Pakistan J. Sci. 17(1):43-44. Jan. 1965. 475 P172
- 64831 BANDLOW, G. Investigations of inbreeding lines of sugar beets and their suitability for combination. (Ge) *Zuchter* 35(6):239-250. Ref. 1965. 442.8 Z8
East Germany.
- 64832 BANNIKOVA, V. P. Comparative study of the formation of seeds obtained on self-pollination of *Nicotiana rustica* L. and its hybridization with *N. paniculata* L. (Ukr) *Ukr. Bot. Zhur.* 22(6):58-66. Ref. 1965. 450 J8212J
English summary.
- 64833 BARNA, B. The comparative evaluations of the characterizing indexes of cucumber's sexual character. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):21-35. Ref. 1965. 80 B85
English summary.
- 64834 BENNETT, H. W., and BASHAW, E. C. Inter-specific hybridization with *Paspalum* spp. *Crop Sci.* 6(1):52-54. Jan./Feb.1966. 64.8 C883
- 64835 BHARDWAJ, B. D. A study of combining ability in alfalfa for resistance to bacterial wilt (*Corynebacterium insidiosum* "McCull," H. L. Jens). Diss. Abs. 26(10):5663. Apr.1966. 241.8 M58
- 64836 BLIXT, S. Studies of induced mutations. XII. Induction of leaf spots by EMS in different plant-species. *Agri Hort. Genet.* 23(3/4):187-205. Ref. 1965. 64.8 Ag8
- 64837 BLIXT, S. Studies of induced mutations in peas. XI. Leaf spots in peas as induced by mutagenic agents. *Agri Hort. Genet.* 23(3/4):172-186. 1965. 64.8 Ag8
Mutagenic effect of EMS.
- 64838 BOILLOT, A. Alternation of heteromorph metagenesis of a Rhodophyceae, *Halarachnion ligulatum* (Woodward) Kutzing. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4191-4193. Nov.15, 1965. 505 P21
- 64839 BRAT, S. V. Genetic systems in *Allium*. I. Chromosome variation. *Chromosoma* 16(4):486-499. Ref. 1965. 442.8 C46
- 64840 BRIGGLE, L. W. Inheritance of a variegated leaf pattern in hexaploid wheat. *Crop Sci.* 6(1):43-45. Ref. Jan./Feb.1966. 64.8 C883
- 64841 BURTON, G. W., and FORTSON, J. C. Inheritance and utilization of five dwarfs in pearl millet (*Pennisetum typhoides*) breeding. *Crop Sci.* 6(1):69-72. Jan./Feb.1966. 64.8 C883
- 64842 BUSBICE, T. H. Inheritance of dwarf character in *Medicago sativa* L. Diss. Abs. 26(10):5631-5632. Apr.1966. 241.8 M58
- 64843 BUTTERFASS, T. Degree of endopolyploidy as a new aspect of polyploidy breeding. (Ge) *Zuchter* 35(7):293-296. Ref. 1965. 442.8 Z8
Sugar beets.
- 64844 CABET, D., and others. The mode of action of two genes suppressors of the effect of "ur 1 a" genes in *Coprinus radiatus*. (Fr) *Acad. Sci. Compt. Rend.* 261(23):5191-5194. Dec.8,1965. 505 P21
M. Gans, M. L. Hirsch, and G. Prevost, joint authors.
- 64845 CIRULLI, M. P., and ALEXANDER, L. J. Inheritance of resistance to Ohio strains of TMV. Ohio, Agr. Res. Develop. Center. Res. Sum. 8: 33-36. Apr.1966. 100 Oh3Rs
Tobacco mosaic virus of tomatoes.
- 64846 COYNE, D. P., SCHUSTER, M. L., and YOUNG, J. O. A genetic study of bacterial wilt (*Corynebacterium flaccumfaciens* var. *aurantiacum*) tolerance in *Phaseolus vulgaris* crosses and the development of tolerance to two bacterial diseases in beans. Amer. Soc. Hort. Sci. Proc. 87:279-285. Dec.1965. 81 So12
Includes common blight caused by *Xanthomonas phaseoli*; in Nebraska.
- 64847 CRACIUN, T. Gregor Mendel, founder of the modern genetics. (Rum) *Probl. Agr. [Bucharest]* 17(11):40-50. Nov.1965. 21 R862
Plants.
- 64848 DAVIS, H. L. The effects of cupferron on the frequency of X-ray induced chromosomal aberrations in *Tradescantia paludosa*. Diss. Abs. 26(10):5665-5666. Apr.1966. 241.8 M58
- 64849 DORONIN, V. A. Creation of new lupine varieties by low temperature treatment of incompletely vernalized seeds. (Rus) *Mezhvuzovaya Nauchnaya Konferentsiya po Raionirovaniyu i Priemam Vozdelyvaniya Zernobobovykh Kul'tur na Vostokey Lesostepnoi Polosy. Trudy* 1963: 375-379. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:10-11. July 1965. Film S-202
- 64850 DUBININ, N. P., SUKOVA, L. A., and SHCHERBAKOV, V. K. A specific modification of mutational variations of chromosomes induced by a chemical mutagen. (Rus) *Akad. Nauk SSSR. Dokl.* 166:1214-1216. Ref. 1966. 511 P444A
Chiefly adenosine triphosphates as agent for wheat.
- 64851 EBERHART, S. A., and RUSSEL, W. A. Stability parameters for comparing varieties. *Crop Sci.* 6(1):36-40. Jan./Feb.1966. 64.8 C883
Maize genetics.
- 64852 EMMERIKH, E. D. Inheritance of the common ear forms by wheat hybrids obtained in inter-varietal crossing. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:127-129. Feb.1966. 20 V633
- 64853 ENDRIZZI, J. E. Use of haploids in *Gossypium barbadense* L. as a source of aneuploids. *Cur. Sci.* 35(2):34-35. Jan.20,1966. 475 Sci23
- 64854 EL-ERYANI, A. A., and FLEMING, A. A. Seedling and biochemical differences within a long-time maize (*Zea mays* L.) inbred. *Crop Sci.* 6(1):31-33. Jan./Feb.1966. 64.8 C883
- 64855 FINLAND. MAATALOUDEN TUTKIMUSKESKUS. KASVINJALOSTUSLAITOS. Intensifying of polyploidy breeding in clover species; final technical report. Jokioinen, 1965. 7 p. 60.3 F492
Grant No.:FG-Fi-123; Project No.:E8-CR-4.
- 64856 FONSHTEIN, L. M. Radiosensitivity of wheat plant progeny as influenced by gamma irradiation of the parent seed. 6 p. Ref. (JPRS 23,734; OTS 64-21819) Transl. 15333
Translation from Akademiya Nauk SSSR. Doklady 153(4):933-935. 1963. CFSTI: \$0.50.
- 64857 FUKUSHIMA, E., and IWASA, S. Genome-analytic studies on *Brassica trilobularis* and *B. tournefortii*. *Kyushu Univ. Fac. Agr. J.* 13(4): 743-748. Feb.1966. 107.6 K995
- 64858 FURNKRANZ, D. Contributions to the cytogenetics of experimental and natural hybrids of *Taraxacum*. (Ge) *Deut. Bot. Ges. Ber.* 78(3): 139-142. 1965. 451 D48

- 64859 GAGARIN, G. The crisis in the field of biology. Stud. Soviet Union (n.s.)5(3):56-71. Ref. Jan. 1966. 280.8 St92
Chiefly on plant genetics.
- 64860 GALZY, P., and BIZEAU, C. Observations on the function of the genes *pl₁*, *pl₅*, and *pl₇* in *Saccharomyces cerevisiae* Hansen. (Ge) Arch. Mikrobiol. 52(4):353-359. 1965. 442.8 Ar26
- 64861 GARTNER, A., and DAVIS, R. L. Effect of self-compatibility on chance crossing in *Medicago sativa* L. Crop Sci. 6(1):61-63. Ref. Jan./Feb.1966. 64.8 C883
- 64862 GLUSHCHENKO, I., MAKHALOVA, M., and NOVOZHILOVA, N. Transformation of hereditary properties in X-rayed tomato plants. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:13-18. Feb.1966. 20 V633
- 64863 HERNANDEZ, T. P., and others. Inheritance of and method of rating flesh color in *Ipomoea batatas*. Amer. Soc. Hort. Sci. Proc. 87:387-390. Dec.1965. 81 So12
T. P. Hernandez, R. J. Constantin, and J. C. Miller, joint authors.
- 64864 HERNANDEZ, T. P., MILLER, J. C., and GIALMALVA, M. J. Inheritance of resistance to root-knot nematodes, *Meloidogyne incognita* group, in tomatoes. Amer. Soc. Hort. Sci. Proc. 87:412-414. Ref. Dec.1965. 81 So12
- 64865 HESS, D. Comparison of the methylating potential of genotypes with different methylated anthocyanins in a cell-free system. (Ge) Z. Pflanzenphysiol. 53(1):1-18. Ref. July 1965. 450 Z32
English summary.
Petunia hybrida.
- 64866 HOLDA, D. M. Inheritance of fruit size in the apricot (*Armeniaca vulgaris* Lam.). (Uk) Ukr. Bot. Zhur. 22(6):75-78. 1965. 450 J8212J
English summary.
- 64867 HOSSAIN, M. K. Some contrasting characters of the amphidiploid hybrid of jute plants. Pakistan J. Sci. 17(1):67-71. Jan.1965. 475 P172
- 64868 IRIZARRY, H., ELLISON, J. H., and ORTON, P. Inheritance of persistent-green color in *Asparagus officinalis* L. Amer. Soc. Hort. Sci. Proc. 87:274-278. Dec.1965. 81 So12
Includes breeding.
- 64869 KARIMI, H. Investigations on the inheritance of mildew resistance in malting barley as a contribution to the problem of disease control by breeding. (Ge) Z. Pflanzenzucht. 53(3):205-225. Ref. June 1965. 450 Z36
English summary.
- 64870 KASINOV, V. B. Reversed development order of corymbs in irradiated colonies of *Lemna minor*. (Rus) Akad. Nauk SSSR. Dokl. 167:201-204. 1966. 511 P444A
Genetical effects of X-rays.
- 64871 KERN, H. Investigations on the genetic transformation between *Agrobacterium tumefaciens* and *Rhizobium spec.* III. Comparative analysis of the DNA from the partners of a transformation. (Ge) Arch. Mikrobiol. 52(4):325-344. Ref. 1965. 442.8 Ar26
- 64872 KESTER, D. E. Inheritance of time of bloom in certain progenies of almond [*Prunus amygdalus*]. Amer. Soc. Hort. Sci. Proc. 87:214-221. Ref. Dec.1965. 81 So12
- 64873 KHOSHOO, T. N. Biosystematics of *Sisymbrium irio* complex. X-XI. Caryologia 18(4):667-673. Oct./Dec.1965. 442.8 C25
Cytogenetics.
- 64874 KISS, P. A. D. Inheritance of red color in salad chicory [*Cichorium intybus* var. *foliosum*]. (Ge) Züchter 35(7):297-299. 1965. 442.8 Z8
- 64875 KLOPFER, K. Histogenetic investigations of the potato shoot apex. (Ge) Flora [Jena] Abt. B. Morphol. Geobot. 156(1):50-77. Ref. Oct.20, 1965. 450 F66
- 64876 KOGA, K., MUKAI, J. I., and AKUNE, S. A ribonuclease from UV-induced mutant of *Rhizopus niveus*. Kyushu Univ. Fac. Agr. J. 13 (4):711-727. Ref. Feb.1966. 107.6 K995
- 64877 LEE, R. E. Cytogenetics research in floriculture. Cornell Plant 21(4):56-57. Winter 1965/66. 409.6 C812
- 64878 LEON GARRE, A. The centenary of Mendelianism. (Sp) Cult. Mod. 48(6):220-222. June 1965. 15 C89
- 64879 LILIENFELD, F. A. A case of malfunctioning plastids in *Medicago truncatula* Gaertn. Jap. J. Genet. 40(4):261-274. Ref. Aug.1965. 442.9 J27
- 64880 LOPPES, R. Nature of the selective medium and phenotypic expression of mutations induced by ethyl methanesulfonate in *Chlamydomonas reinhardtii*. (Fr) Inst. Pasteur. Ann. 110(5):645-654. Ref. May 1966. 448.3 An75
English summary.
- 64881 LYSIKOV, V. N. Study of initial materials for selection of corn obtained by irradiation of pollen. (Rus) Kishinevskii Sel'skokhoz. Inst. Trudy 37(1):66-78. 1964. 106 K64
Radioactive cobalt used.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55. Rasteniyevod. 14:5. July 1965. Film S-202
- 64882 MAHADEVAPPA, M., and PONNAIYA, B. W. X. A discriminant function for selection for yield in *Eleusine coracana* Gaertn. Madras Agr. J. 52(2):47-51. Feb.1965. 22 M262
Genetics.
- 64883 MARTOS, V. SZ. The formation of sexual ratios, their development and changes in cucumbers. I. (Preliminary information). (Hu) Budapest. Kerteszeti Szulesz. Foiskola. Közlemenyei 29(1):37-56. Ref. 1965. 80 B85
English summary.
- 64884 MIRANDA COLIN, S. Inheritance and development of stigma form in *Phaseolus vulgaris* L. and *Phaseolus coccineus* L. (Sp) Agr. Tec. Mex. 2(5):194-196. July 1965. 8 Ag839
- 64885 MONTEAGUDO, A. Male sterility and restoration of fertility in corn. I. Line conversion. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):55-66. 1966. 15 Sp18
English summary.
- 64886 MONTOYA, J. L. Complex characteristics and their importance in the improvement of plants. (Sp) Spain. Inst. Nac. Invest. Agron. Conf. 1964/65:89-105. 15 Sp18C
Genetics.
- 64887 MORLANG, C. Hybridization, polyploidy and adventitious growth in the genus *Asplenium*. Diss. Abs. 26(10):5678-5679. Apr.1966. 241.8 M58
- 64888 MURTY, B. R. IARI [Indian Agricultural Research Institute] has built up a wide collection of millet germ plasm. Indian Farming 15(1):17,35. Apr.1965. 22 In283
Includes varieties.
- 64889 NARAHARI, P., and PAWAR, M. S. Interracial hybrids of *Indica* and *Japonica* rice and their performance in advanced generations. Indian J. Agr. Sci. 35(4):259-271. Ref. Dec.1965. 22 Ag831
- 64890 NUZHIDIN, N. I., and SAMOKHVALOVA, N. S. A comparative analysis of how the appearance of chromosomal mutations induced by chemically-active substances and by ionizing radiation (gamma-rays) is related to the physiological state of the seeds. (Rus) Akad. Nauk SSSR. Dokl. 166:1217-1220. Ref. 1966. 511 P444A
Barley.
- 64891 OLEZ, H., and ZIELINSKI, Q. B. Pollen incompatibility between Bartlett and Seckel pears. Amer. Soc. Hort. Sci. Proc. 87:117-122. Ref. Dec.1965. 81 So12
- 64892 PEREZ AGUIRRE, R., and COVARRUBIAS C., R. Restoration of fertility by Mexican corns in the (T) source of male cytoplasmic sterility. (Sp) Agr. Tec. Mex. 2(5):216-221, map. Ref. July 1965. 8 Ag839
- 64893 PHILLIP, M. J., HONMA, S., and MURAKISHI, H. H. Studies on the inheritance of resistance to tobacco virus in the tomato. Euphytica 14 (3):231-236. Ref. Nov.1965. 450 Eu6
Tobacco mosaic virus.

- 64894 PIZZOLONGO, P., and GAETA, F. Karyological observations on induced mutations in *Triticum vulgare* Vill. cv. Tevere. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:303-308. 1964/65. 105.4 P83
English summary.
- 64895 POLINIERE, J. P., and AUZAC, J. D'. Introduction to a study of genetic selection criteria in *Hevea brasiliensis*. (Fr) Rev. Gen. Caoutchouc Plast. 43(1):85-92. Ref. Jan.1966. 305.8 R32
- 64896 RANA, R. S. Radiation-induced variation in ray-floret characteristics of annual *Chrysanthemum*. Euphytica 14(3):296-300. Ref. Nov. 1965. 450 Eu6
X-ray application in mutation studies.
- 64897 RAO, M. V., and BANSAL, R. D. Inheritance studies in wheat. II. Inheritance of seedling resistance to groups of Indian races of black rust. Indian J. Agr. Sci. 35(3):169-178. Ref. Sept.1965. 22 Ag83I
- 64898 EL-ROUBY, M. M. Variation and covariation of oil content of the grain and agronomic characters in a high oil population of maize. Diss. Abs. 26(10):5667. Apr.1966. 241.8 M58
Genetic correlations.
- 64899 ROWLANDS, D. G., and CORNER, J. J. Inheritance of pigments in broad beans *Vicia faba* L. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:151-158. 1962, pub.1965. TP368.I5
- 64900 SAKHAROV, V. V. Gregor Mendel—founder of heredity science (100th anniversary of his "Study of plant hybrids"). (Rus) Biol. v Shkole 4:4-9. 1965. Not in Libr.
Cited in Ref. Zh. Biol. 22(sect.A):1. Nov. 1965. 241.7 R25
- 64901 SANTARENO, J. A. L. M. Escolha definitiva dos genitores da F1 do programa de melhoramento, em Angola, da *Elaeis guineensis* Jacq. [Definitive selection of the progenitors of the F1 generation in the program for the improvement of *Elaeis guineensis* Jacq. in Angola]. Jornadas Silvo-Agron [Trab.], 5th Sess., No.2, 21 p. Ref. 1964. 99.8 J76
- 64902 SAUNDERS, J. H. Genetics of hairiness transferred from *Gossypium raimondii* to *G. hirsutum*. Euphytica 14(3):276-282. Ref. Nov. 1965. 450 Eu6
- 64903 SCHOLTEN, G. A genetical variation of the cyclamen cultivar "Sylphide." Neth. J. Plant 72 72(1):28-30. 1966. 464.8 T44
Text in Dutch.
- 64904 SCHWANITZ, F. The origin of cultivated plants. 175 p. Ref. SB107.S3
Chiefly genetics, evolution and introduction. Translation of Die Entstehung der Kulturpflanzen.
- 64905 SCHWEPPEHAUSER, M. A. Interspecific chromosomal-cytoplasmic staminal sterility and fertility in *Nicotiana*. Stellenbosch, 1965. 89 p. Ref. QK827.S35
Thesis—University of Stellenbosch.
- 64906 SERAFIMOVA, R. Sexual heredity of the fig *Ficus carica* L. in F1 with different intraspecific crossings. Bulgarska Akad. Nauk Dokl. 18(6):559-560. 1965. 512 So2
- 64907 SILHANKOVA, L. Occurrence of cytochromes in R and S yeast mutants of the genus *Saccharomyces*. Folia Microbiol. 11(1):29-38. Ref. 1966. 448.3 C332
- 64908 SIMON, M. Genetic and agricultural aspects of the main French varieties of wheat. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 209:227-232. Nov.1965. 298.9 P21
- 64909 SOOST, R. K. Incompatibility alleles in the genus *Citrus*. Amer. Soc. Hort. Sci. Proc. 87: 176-180. Ref. Dec.1965. 81 So12
- 64910 SWAMINATHAN, M. S. Plant breeding fosters farm revolution. Indian Farming 15(7):37-38. Oct.1965. 22 In283
- 64911 SWAMINATHAN, M. S. Plant breeding opens new vistas in crop production. Indian Farming 15(1):8-10,16. Apr.1965. 22 In283
- 64912 SWAMINATHAN, M. S. Plant genetics and food production. Cur. Sci. 35(2):32-33. Jan.20,1966. 475 Sci23
- 64913 SYMKO, S. Striated kernels in the genus *Hordeum*. Can. J. Plant Sci. 46(2):206. Mar. 1966. 450 C16
Genetics; includes hybrids.
- 64914 TAL, M. Estimation of genetic differences between *Lycopersicon esculentum* and *Solanum pennellii*. Diss. Abs. 26(10):5672. Apr.1966. 241.8 M58
- 64915 TAMASSY, I., and PEJOVICS, B. Atavism or new form development of apricot fruit trees. (Hu) Budapest. Kerteszeti Szolesz. Foiszola. Kozlemenyei 29(1):89-104. 1965. 80 B85
English summary.
- 64916 THOMPSON, J. C. Dosage response to brachytic-2 gene in *Zea mays* L. Diss. Abs. 26(10): 5635. Apr.1966. 241.8 M58
- 64917 THOMPSON, K. F., and TAYLOR, J. P. Linkage between S alleles and pigmentation genes in marrow-stem kale, *Brassica oleracea*. Euphytica 14(3):285-292. Nov.1965. 450 Eu6
- 64918 TIRANTI, I. N., CARNEVALI, R., and ARTURI, M. J. Introgresion con *Gossypium hirsutum* de las procedencias de *G. barbadense* colectadas en la Argentina [Introgresion with *Gossypium hirsutum* from sources of *G. barbadense* gathered in Argentina]. Pres. Roque Saenz Pena. Estac. Exp. Agropecuar. Bol. 36,24 p. Nov.1965. 102.5 P922
English summary.
- 64919 TSITSIN, N. V. Remote hybridisation as a method of creating new species and varieties of plants. Euphytica 14(3):326-330. Nov.1965. 450 Eu6
- 64920 TUCKER, C. L. Inheritance of white and green seed coat colors in lima beans. Amer. Soc. Hort. Sci. Proc. 87:286-287. Dec.1965. 81 So12
- 64921 UPADHYAYA, Y. M., and BAKER, E. P. Studies on the inheritance of rust resistance in oats. III. Linn. Soc. New S. Wales. Proc. 90(2): 129-151. 1965. 514 Sy2
Crown rust resistance.
- 64922 VILLALOBOS-PIETRINI, R., CRUZ, T., and ALMANZA, R. X-ray induced alterations in the meristematic cell chromosomes of the *Vicia faba* root tip. II. (Sp) Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.] 5th Symp.: 137-143. Ref. 1964, pub.1965. 173 At7Pi
English summary.
- 64923 WHITEHEAD, R. A., THOMPSON, B. E., and WILLIAMS, L. V. A genetic marker of use in coconut seed production. Oleagineux 21(3): 153-154. Mar.1966. 77.8 OL2
- 64924 YAGIL, E. A. A morphogenetic comparison between awned and hooded genotypes of barley. Diss. Abs. 26(10):5672. Apr.1966. 241.8 M58
- 64925 AL-YASIRI, S. A., and COYNE, D. P. Interspecific hybridization in the genus *Phaseolus*. Crop Sci. 6(1):59-60. Ref. Jan./Feb.1966. 64.8 C883
- 64926 ZENNYOZI, A. Cytogenetical studies on the intergeneric hybrid between *Aegilops* and *Secale*. III. Chromosome pairing in the F1 plant from 4X-Ae. squarrosa x S. cereale and the F1 plants from the back cross, with special reference to the R and D intra-genome pairing. (Ja) Jap. J. Genet. 40(4):325-335. Ref. Aug.1965. 442.9 J27
English summary.
- 64927 ZEVEN, A. C. First supplementary list of genotypes of hybrid necrosis of wheat varieties. Euphytica 14(3):239-243. Nov.1965. 450 Eu6
- 64928 ZUBELDIA, A. The knowledge of the plant geneticist. (Sp) Agricultura [Madrid] 35(406): 70-73. Feb.1966. 15 Ag84

PHYSIOLOGY

- 64929 ABERG, B. Studies on plant growth regulators XXI. Some naphthoxy compounds. Uppsala. Lantbrukshogsk. Ann. 31(3):333-353. Ref. 1965. 104 Up6
Effects on flax, wheat and oats.

- 64930 ADLAN, A. E. M. B. Some factors affecting absorption and translocation of foliar applied zinc to tomato (*Lycopersicon esculentum* L.). Diss. Abs. 26(10):5630. Apr.1966. 241.8 M58
- 64931 AGNIHOTRI, V. P. Studies on *Aspergilli*. XVIII. Essentiality of trace elements to five conidial *Aspergillus* species. Can. J. Bot. 44 (4):481-486. Ref. Apr.1966. 470 C16C
- 64932 AIMI, R. Cell-physiological study on the function of roots. IV. Active supply of oxygen from the leaves of rice plants into their roots. 10 p. Transl. 15875
Translation from Crop Science Society of Japan. Proceedings 29(1). Sept.1960.
- 64933 ALBERDA, T. Responses of grasses to temperature and light. Nottingham, Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:200-212. Ref. 1965, pub.1966. S217.E2
Literature review.
- 64934 ALIEVA, Z. N. Effect of macroelement-organic microfertilizer relationship on several biochemical processes in cotton leaves during various developmental phases. (Rus) Azerb. Un-t. Ser. Biol. N. Uch. Zap. 2:53-60. 1964. Not in Libr.
Cited in Ref. Zh. Biol. Khim. 19:106. Oct.10, 1965. 241.7 R252
- 64935 ALLEN, J., and STROBEL, G. A. The assimilation of $H^{14}CN$ by a variety of fungi. Can. J. Microbiol. 12(2):414-416. Ref. Apr.1966. 448.8 C162
- 64936 AMANOV, M. A. Water conditions of wheat in Uzbekistan. (Rus) Fiziol. Rast. 12(2):343-345. 1965. 450 F58
- 64937 ANDREEVA, I. F., and KORZHEVA, G. F. Effect of spectral composition and intensity of light on formation of amino acids in leaves. (Rus) Fiziol. Rast. 11(6):951-960. Ref. 1964. 450 F58
English summary.
Sunflowers.
- 64938 AL-ANI, T. A., and SELTMANN, H. Effect of maleic hydrazide on growth and oxygen uptake of tobacco roots. Tobacco [New York] 162(18): 29-33. Ref. May 6, 1966. 286.89 T552
- 64939 ANISIMOV, A. A. Effect of ammonium sulphate on translocation of assimilates in sugar beet. (Rus) Fiziol. Rast. 12(2):280-284. Ref. 1965. 450 F58
English summary.
- 64940 AOKI, S., and HASE, E. De- and re-generation of chloroplasts in the cells of *Chlorella protothecoides*. III. Effects of mitomycin C on the processes of greening and division of "glucose-bleached" algal cells. Plant Cell Physiol. 6(2):347-354. Ref. June 1965. 450 P699
- 64941 ARMY, T. J. TIBA; use of growth regulators in a new approach to soybean production. Soybean Dig. 26(7):24. Apr.1966. 60.38 So9
- 64942 ASADA, K., and others. Effect of alpha-hydroxysulfonates on photochemical reactions of spinach chloroplasts and participation of glyoxylate in photophosphorylation. Plant Cell Physiol. 6(4):615-629. Ref. Dec.1965. 450 P699
S. Kitoh, R. Deura, and Z. Kasai, joint authors.
- 64943 ASHFORD, N., and LEVITT, J. The relation of sulfhydryl groups to rest period in potato tubers. Physiol. Plant. 18(1):229-239. 1965. 450 P564
- 64944 ASPINALL, D. The effects of soil moisture stress on the growth of barley. III. A note on the germination of grain from plants subjected to water-stress. Inst. Brewing J. 72(2):174-176. Mar./Apr.1966. 390.9 In7
- 64945 AXELSSON, F. Trails with CO_2 in combination with the bacterial fertilizer Regenor in comparative variety trials with lettuce, dill and radishes. (Sw) Weibulls Allehanda 25:14-19. 1965. 80 W42
- 64946 BADALYAN, V. S., and ATABEKYAN, E. A. Presowing treatment of tomato seeds with the purpose of increasing their drought resistance and yielding capacity. 3 p. (OTS 63-11036) Transl. 14534
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya. Biologicheskie i Sel'skokhozyaistvennye Nauki 5:97-99. 1958. CFSTI: \$0.50.
- 64947 BAEUMER, K. Analytical research on red clover yields. II. Relation between planting density, leaf area, and yield. (Ge) Z. Acker-Pflanzenbau 123(4):374-382. Ref. Apr.1966. 18 J825
English summary.
- 64948 BAILEY, J. S., and ROSSI, A. W. Effect of fall chilling, forcing temperature and day length on the growth and flowering of Catskill strawberry plants. Amer. Soc. Hort. Sci. Proc. 87:245-252. Ref. Dec.1965. 81 So12
- 64949 BAKER, D. N., and MEYER, R. E. Influence of stand geometry on light interception and net photosynthesis in cotton. Crop Sci. 6(1):15-19. Ref. Jan./Feb.1966. 64.8 C883
- 64950 BALAKRISHNAN, R., KRISHNAMURTHI, S., and MADHAVA RAO, V. N. Effect of pruning severity on the germination of grape [*Vitis vinifera*] pollen. Madras Agr. J. 52(2):81-82. Feb.1965. 22 M262
- 64951 BANTING, J. D. Studies on the persistence of *Avena fatua*. Can. J. Plant Sci. 46(2):129-140. Ref. Mar.1966. 450 C16
Survival of seeds in soils.
- 64952 BARBIER, G., and BROSSARD, M. Relationship between the root absorption and the leaf absorption of strontium and cesium by corn. 7 p. Transl. 14397
Both radioactive.
Translation from Agrochimica 7(3):216-225. June 1963.
- 64953 BARBIER, S., and MAYR, H. H. Comparison of various methods of applying chlorocholine chloride (CCC) to winter wheats in pot experiments. (Ge) Agrochimica 10(1):1-8. Dec.1965. 385 Ag84
English summary.
Effects on the wheat in Austria.
- 64954 BARINOV, G. V. Exchange of Ca^{45} , Cs^{137} and Ce^{144} between algae and sea water. (Rus) Okeanologiya 5(1):111-116. 1965. Not in Libr.
Abstracted in Ref. Zh. Biol. 20(sect.V):1. Oct.1965. 241.7 R25
- 64955 BARKER, J., and YOUNIS, M. E. Studies in the respiratory and carbohydrate metabolism of plant tissues. XX. The influence of high pressures of oxygen on the respiratory metabolism of strawberry leaves. J. Expt. Bot. 17(50):108-116. Ref. Feb.1966. 450 J8224
- 64956 BARKER, W. G., and COLLINS, W. B. Parthenocarpic fruit set in the lowbush blueberry. Amer. Soc. Hort. Sci. Proc. 87:229-233. Ref. Dec.1965. 81 So12
Effects of gibberellic acid.
- 64957 BARSKAYA, E. I., SAMYGIN, G. A., and MATVEEVA, N. R. State of chloroplasts in cells of plants after freezing and thawing. (Rus) Fiziol. Rast. 11(6):1056-1062. Ref. 1964. 450 F58
English summary.
Field crops.
- 64958 BARTELS, P. G. Effect of amitrole on ultrastructure of plastids in seedlings. Plant Cell Physiol. 6(2):361-364. June 1965. 450 P699
Wheat.
- 64959 BARTHODEISZKY, A., and GASPAR, S. Studies on the possibility to terminate the lability of germination in the seeds of beet (*Beta vulgaris* L.). Int. Seed Testing Ass. Proc. 30(3):677-688. Ref. 1965. 61.9 In84P
- 64960 BARTNICKI-GARCIA, S., and LIPPMAN, E. Liberation of protoplasts from the mycelium of *Phytophthora*. J. Gen. Microbiol. 42(3):411-416. Mar.1966. 448.3 J823
Phytophthora cinnamomi and *P. parasitica*.

- 64961 BASHAM, C. W. Physiological changes during maturation of tomato fruits with especial reference to respiratory activity and ethylene production. Diss. Abs. 26(10):5623. Apr. 1966. 241.8 M58
- 64962 BASLER, E. Light effects on the nucleic acids of excised cotton cotyledons. *Plant Physiol.* 41 (3):395-404. Ref. Mar. 1966. 450 P692
- 64963 BATJER, L. P., and MARTIN, G. C. The influence of night temperature on growth and development of early Redhaven peaches. *Amer. Soc. Hort. Sci. Proc.* 87:139-144. Ref. Dec. 1965. 81 So12
- 64964 BAUER, A., and YOUNG, R. A. Fertilized wheat uses water more efficiently. *N. Dak. Farm Res.* 24(3):4-11. Jan./Feb. 1966. 100 N813B
- 64965 BAUMANN, E. Ferritin uptake in cells of corn roots. (Ge) *Z. Pflanzenphysiol.* 53(1):90-93. July 1965. 450 Z32
English summary.
- 64966 BAVRINA, T. V. Effect produced by prolonged darkness on the pigment-apparatus of neutral, long-day and short-day plant species. (Rus) *Akad. Nauk SSSR. Dokl.* 167:464-467. Ref. 1965. 511 P444A
- 64967 BEATON, J. D. Sulfur requirements of cereals, tree fruits, vegetables, and other crops. *Soil Sci.* 101(4):267-282. Ref. Apr. 1966. 56.8 So3
- 64968 BELL, G. D. H., and KIRBY, E. J. M. Utilization of growth responses in breeding new varieties of cereals. Nottingham, Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:308-319. 1965, pub. 1966. S217.E2
Literature review.
- 64969 BELOZEROVA, L. S. Effect of sodium fluoride on photosynthesis, respiration and transformation of organic acids in succulent plants under light. (Rus) *Lenigr. Un-t. Vestn.* 21:116-121. 1964. 511 L549
Bryophyllum crenatum and B. daigremontiana.
Abstracted in Ref. Zh. Biol. 20(sect.G):2-3. Oct. 1965. 241.7 R25
- 64970 BEREZNEGOVSKAYA, L. N. Effect of gibberellic acid on belladonna seeds. (Rus) *Fiziol. Rast.* 11(6):1081-1082. 1964. 450 F58
Treatment of seeds for germination.
- 64971 BEREZNEGOVSKAYA, L. N. Effect of gibberellic acid on respiration and oxidative phosphorylation in belladonna seeds. (Rus) *Fiziol. Rast.* 12(2):301-305. Ref. 1965. 450 F58
English summary.
- 64972 BERKNER, L. V., MARSHALL, L. C. The fragile breath of life: how it came to be: the role of oxygen. *Saturday Rev.* 49(19):30-34. May 7, 1966. 110 Sa82
Oxygen in evolution and the role of photosynthesis.
- 64973 BERNHARDT, H., and HABERER, K. The influence of thermal stratification and plankton organisms on the distribution of fall-out radioactivity in a water reservoir. (Ge) *Atompraxis* 12(3):142-147. Ref. Mar. 1966. 334.8 At73
English summary, p.117.
- 64974 BERTRAND, D., and WOLF, A. DE. Nickel as as supplementary fertilizer. (Fr) *Acad. Sci. Compt. Rend.* 261(23):5195-5197. Dec. 8, 1965. 505 P21
Plant physiological effects.
- 64975 BERTRAND, D. Practical interest in minor elements for products indispensable to the agricultural industries. (Fr) *Indus. Aliment. Agr.* 82(12):1249-1254. Dec. 1965. 383 As7
Plant physiology.
- 64976 BETHKE, H., HAAS, H., and STOCKER, O. On the water economy and photosynthesis of some spring geophytes. (Ge) *Flora [Jena]* Abt. B, Morphol. Geobot. 156(1):8-49. Ref. Oct. 20, 1965. 450 F66
- 64977 BETZEMA, J., and SNOEK, N. J. Usefulness of seed sorting in cauliflower culture. (Du) *Groenten Fruit* 21(31):1397. Feb. 16, 1966. 80 G89
Effects on germination.
- 64978 BEZDEK, V. Study of some influences on the content and mutual ratio of N, P₂O₅ and K₂O in the overground parts and grains of spring barley in relation to the yield and quality of grains. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(11):1129-1170. Ref. Nov. 1965. 64.9 C33
English summary.
Chiefly effect of fertilizers and weather.
- 64979 BEZDEK, V. The study of variations of the content and mutual proportional quantities of nutrients (nitrogen phosphorus pentoxide, potassium oxide) in varieties of spring barley. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(11):1171-1194. Ref. Nov. 1965. 64.9 C33
English summary.
- 64980 BIELESKI, R. L. Sites of accumulation in excised phloem and vascular tissues. *Plant Physiol.* 41(3):455-466. Ref. Mar. 1966. 450 P692
Of radioactive phosphorus and radioactive sulfur in apples and celery.
- 64981 BIERHUIZEN, J. F., and PLOEGMAN, C. Some results with CO₂-application on the growth of tomato, lettuce, endive and spinach. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(12):622-629. Ref. Dec. 1965. 86 N384
English summary, p.653.
- 64982 BIK, R. A. The sensitiveness of the *Azalea indica* to kitchen salt in the regular water supply. (Du) *Neth. Dir. Tuinbouw. Mededel.* 28(10):496-503. Ref. Oct. 1965. 86 N384
English summary, p.533.
- 64983 BINI, G., and RADDI, P. Notes on the method of insertion of the olives in inflorescence, on resistance to separation, on the weight, and on the time of ripening of drupes of some olive cultivars. (It) *Agr. Italia* 11(7):15-30. July 1965. 16 Ag8232
In relation to harvesting problems.
- 64984 BJORN, L. O., and ODHELIUS, I. Chlorophyll formation in excised roots of cucumber and pea. *Physiol. Plant.* 19(1):60-62. 1966. 450 P564
- 64985 BJORN, L. O. Chlorophyll formation in excised wheat roots. *Physiol. Plant.* 18(4):1130-1142. Ref. 1965. 450 P564
- 64986 BLAGOVESHCHENSKII, A. V. Presowing treatment of seeds by succinic acid. (Rus) In *Biol. osnovy povysh. kachestva semyan s.-kh. rast.* 1964:123-125. Not in Libr.
Intensification of field crop yields.
Abstracted in Ref. Zh. Biol. 22(sect.G):6. Nov. 1965. 241.7 R25
- 64987 BLAIM, K., and GAWRONSKI, E. Influence of trigonelline and some of its derivatives on the germination temperature of *Nicotiana rustica* L. seeds. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(1):1-5. 1966. 512 W262
- 64988 BLUMENTHAL-GOLDSCHMIDT, S., and RAPAPORT, L. Regulation of bud rest in tubers of potato *Solanum tuberosum* L. II. Inhibition of sprouting by inhibitor beta-complex and reversal by gibberellin A₃. *Plant Cell Physiol.* 6(4):601-608. Ref. Dec. 1965. 450 P699
- 64989 BOODLEY, J. W., and NELSON, P. V. Carnation nutrient status. *Cornell Plant.* 21(4):58-59. Winter 1965/66. 409.6 C812
Minerals.
- 64990 BOODLEY, J. W., and MEYER, M. The nutrient content of bonnaffon deluxe Chrysanthemums from juvenile to mature growth. *Amer. Soc. Hort. Sci. Proc.* 87:472-478. Dec. 1965. 81 So12
- 64991 BORZAKIVS'KA, I. V., and MAIKO, T. K. Injuries of arboreal plants in winter during the process of their acclimatization. (Ukr) *Ukr. Bot. Zhur.* 22(5):22-30. Ref. 1965. 450 J8212J
English summary.
Trees.

- 64992 BOSMANS, P. On the influence of growth regulating substances, vitamins and trace elements on the germination and the growth of *Septoria anthurii* Kothth. Int. Symp. Crop Protect. [Pap.], 17th Symp.:111-112. 1965. 464.9 In834
- 64993 BOUCHER, L. J., STRAIN, H. H., and KATZ, J. J. The far-infrared spectra of monomeric and aggregated chlorophylla a and b. Amer. Chem. Soc. J. 88(7):1341-1346. Apr.5,1966. 381 Am33J
- 64994 BRADLEY, G. A., and SMITTLE, D. Media pH and extractable Fe, Al and Mn in relation to growth of Ericaceous plants. Amer. Soc. Hort. Sci. Proc. 87:486-493. Dec.1965. 81 So12
- 64995 BRANDT, J., and WOLTER, K. Effect of P-fertilizing on baking quality of wheat. (Ge) Phosphorsäure 25(5/6):238-249. Ref. 1965. 57.8 P563
- 64996 BRISTOW, J. M. The effects of gibberellic acid and cycocel on the growth of cultured leaf tissue. Can. J. Bot. 44(4):513-518. Ref. Apr. 1966. 470 C16C
Of *Pteris cretica*.
- 64997 BROOKS, W. M., HOWLETT, F. S., and BUSCHER, F. K. Greenhouse soil and water study in Cleveland area. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:17-21. Apr.1966. 100 Oh3Rs
Problem of physiological diseases; tomatoes.
- 64998 BROUWER, R., and KLEINENDORST, A. Effect of root excision on growth phenomena in perennial ryegrass. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:11-20. 1965. 60.9 W123
- 64999 BROUWER, R. Root growth of grasses and cereals. Nottingham. Univ. Easter Sch. Agr. Sci. Proc. 12th Easter Sch.:153-166. Ref. 1965, pub.1966. S217.E2
Literature review.
- 65000 BROUWER, R., and LOCHER, J. T. The significance of seminal roots in growth of maize. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:21-28. Ref. 1965. 60.9 W123
- 65001 BROVCHENKO, M. I. Movement of sugars from the mesophyll to conducting bundles of sugar beet leaves. (Rus) Fiziol. Rast. 12(2):270-279. Ref. 1965. 450 F58
English summary.
- 65002 BRUINSMA, J. Effects of (2-chloroethyl) trimethylammonium chloride (CCC) on growth and development of cereal plants. Int. Symp. Crop Protect. [Pap.], 17th Symp.:132-133. 1965. 464.9 In834
- 65003 BUCHANAN, B. B., and EVANS, M. C. W. The synthesis of phosphoenolpyruvate from pyruvate and ATP by extracts of photosynthetic bacteria. Biochem. Biophys. Res. Commun. 22(5):484-487. Ref. Mar.8,1966. 442.8 B5236
Chlorobium thiosulfatophilum, Chromatium sp., and Rhodospirillum rubrum.
- 65004 BUKOVAC, M. J. Some factors affecting the absorption of 3-chlorophenoxy-alpha-propionic acid by leaves of the peach. Amer. Soc. Hort. Sci. Proc. 87:131-138. Ref. Dec.1965. 81 So12
- 65005 BUNTING, A. H., and DRENNAN, D. S. H. Some aspects of the morphology and physiology of cereals in the vegetative phase. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:20-38. Ref.,p.36-38. 1965,pub.1965. S217.E2
Literature review.
- 65006 BURG, P. F. J. VAN. Nitrogen fertilizing of grain. II. Influence of slight lodging on winter rye yields. (Du) Stikstof 5(49):40-42. Jan. 1966. 57.9 St52
- 65007 CAESAR, K., and GANESAN, S. Inter-relationship of potash fertilization and starch content in potato. Trop. Agr. [Peradeniya] 120(2):143-144. Apr./June 1964. 26 T751
- 65008 CALDER, D. M. Inflorescence induction and initiation in the Gramineae. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:59-73. Ref.,p.72-73. 1965,pub.1966. S217.E2
Literature review.
- 65009 CALDER, F. W., MACLEOD, L. B., and HAYDEN, R. I. Electrical resistance in alfalfa roots as affected by temperature and light. Can. J. Plant Sci. 46(2):185-194. Mar.1966. 450 C16
- 65010 CALLAHAN, L. M., and ENGEL, R. E. Tissue abnormalities induced in roots of colonial bentgrass [*Agrostis tenuis*] by phenoxyalkyl-carboxylic acid herbicides. Weeds 13(4):336-338. Oct.1965. 79.8 W41
The herbicides are 2,4-D, silvex and 2,4-DB.
- 65011 CARRICABURU, P. Activity potential of the algae *Acetabularia mediterranea*. (Fr) Acad. Sci. Compt. Rend. 261(20):4220-4221. Nov.15, 1965. 505 P21
- 65012 CARTER, H. H. Arkansas seeks answers to "lodging" problems. Rice J. 69(5):26,28. May 1966. 59.8 R36
Effects of nitrogen and phosphorus.
- 65013 CARTER, M. C. Studies on the metabolic activity of 3-amino-1,2,4-triazole. Physiol. Plant. 18(4):1054-1058. Ref. 1965. 450 P564
In beans.
- 65014 CASTILLA PEREZ, O. Practical determination of the consumptive use. (Sp) Ingenieria Hidraul. Mex. Rev. 19(4):39-62. 1965. 290.8 In43
English summary.
Of water by plants.
- 65015 CASTILLO, F. E., and GIMENEZ ORTIZ, R. Phenology of some varieties of winter wheat in Spain in relation to the total of degree-days and photothermal units. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):23-39. Ref. 1966. 15 Sp18
English summary.
- 65016 CAVALIE, G. Influence of magnesium deficiency on the nitrogen metabolism of the leaves of *Phaseolus vulgaris* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1530-1533. Apr.4,1966. 505 P21
- 65017 CHAILAKHYAN, M. KH., and LOZHNIKOVA, V. N. Photoperiodism and the dynamics of gibberellins in plants. (Rus) Fiziol. Rast. 11(6):1006-1014. Ref. 1964. 450 F58
English summary.
Tobacco.
- 65018 CHAMBERS, E. E., and HOLM, L. G. Phosphorus uptake as influenced by associated plants. Weeds 13(4):312-314. Ref. Oct.1965. 79.8 W41
Beans, *Amaranthus retroflexus* and *Setaria viridis*, using radioactive phosphorus.
- 65019 CHANG, C. W., and THOMPSON, C. R. Site of fluoride accumulation in navel orange leaves. Plant Physiol. 41(2):211-213. Ref. Feb.1966. 450 P692
- 65020 CHATURVEDI, C. Nutritional studies on *Colletotrichum gloeosporioides* Penz. Mycopathol. Mycol. Appl. 27(3/4):265-272. Ref. Dec.1,1965. 450 M994
- 65021 CHAVES, G. M. Estudos sobre *Sclerotinia sclerotiorum* (Lib.) De Bary [Studies on *Sclerotinia sclerotiorum* (Lib.) De Bary]. Experimentiae 4(2),133 p. Nov.1964. 102.5 Ex7
English summary.
Bibliography, p.127-133.
Physiological.
- 65022 CHEN, H., and GALSTON, A. W. Inhibitory effects of 6-methylpurine on plant cell growth. Plant Cell Physiol. 6(2):365-370. June 1965. 450 P699
In *Pelargonium hortorum*.
- 65023 CHIRKOVA, T. V., and SOLDATENKOV, S. V. Movement of oxygen from leaves to roots kept under anaerobic conditions. (Rus) Fiziol. Rast. 12(2):216-225. Ref. 1965. 450 F58
English summary.
- 65024 CHRISTIE, A. E., and LEOPOLD, A. C. On the manner of triiodobenzoic acid inhibition of auxin transport. Plant Cell Physiol. 6(2):337-345. Ref. June 1965. 450 P699
- 65025 CHRISTOWA, J., KOSTOWA, R., and BAEVA, R. Physiological and biochemical study of F1 wheat-rye hybrids. (Ge) Bulgarska Akad. Nauk. Dokl. 18(6):561-564. Ref. 1965. 512 So2

- 65026 CLAIRES, A. Methods of observation and measurement of the movement of homodromous torsion in the winding stems during the revolute movement of the exploration. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(7):759-762. Feb.14, 1966. 505 P21
Observed in *Ipomoea purpurea*.
- 65027 CLARKSON, D. T. Aluminium tolerance in species within the genus *Agrostis*. J. Ecol. 54 (1):167-178. Ref. Mar.1966. 450 J829
- 65028 CLORE, W. J. Responses of Delaware grapes to gibberellin. Amer. Soc. Hort. Sci. Proc. 87: 259-263. Dec.1965. 81 So12
- 65029 COLES, C. H., and GENTILE, A. C. Oxidative phosphorylation of mitochondria from callus and tumor tissue cultures of *Rumex acetosa* L. Physiol. Plant. 18(1):95-99. Ref. 1965. 450 P564
Crown-gall.
- 65030 COOK, J. R. Influence of light on acetate utilization in green *Euglena*. Plant Cell Physiol. 6(2):301-307. June 1965. 450 P699
- 65031 COOPER, C. S. Response of birdsfoot trefoil and alfalfa to various levels of shade. Crop Sci. 6(1):63-66. Ref. Jan./Feb.1966. 64.8 C883
- 65032 COOPER, J. P. The use of physiological variation in forage-grass breeding. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:293-307. Ref., p.305-307. 1965, pub.1966. S217.E2
Literature review.
- 65033 CRAFTS, A. S. The uptake, distribution and action of herbicides. II. Service [New Plymouth] Autumn 1966:26-28. 385 Se6
Translocation requirements.
- 65034 CRANE, J. C., ERICKSON, L. C., and BRAÑ-NAMAN, B. L. 2,4,5-trichlorophenoxyacetic acid residues in apricot fruits. Amer. Soc. Hort. Sci. Proc. 87:123-127. Dec.1965. 81 So12
- 65035 CUPINA, T. The effect of hail on the formation of leaf area and on the amount and quality of corn yields. (Se) Savremena Poljoprivreda 13(11):895-903. Ref. Nov.1965. 21 P75
English summary.
Includes photosynthesis.
- 65036 DAS, V. S. R. Photochemical events and energy conversion in photosynthesis. Madras Agr. J. 53(2):76-80. Feb.1966. 22 M262
- 65037 DATTA, R. M., and CHOUDHURY, P. C. On the effect of gibberellin A₃ on the growth of pollen tubes in two species of *Crotalaria*. Plant Cell Physiol. 6(4):767-769. Dec.1965. 450 P699
Crotalaria ferruginea and *Crotalaria brownei*.
- 65038 DAVIDSON, R. A. Photoperidism in *Froelichia floridana* (Nutt.) Moq. (Amaranthaceae). Ecology 46(4):520-524. Early summer 1965. 410 Ec7
- 65039 DAVIS, C. Salt and the cotton stand. Crop comments 20(2):2-3. Mar./Apr.1966. 57.8 C88
Effects of salt on germination.
- 65040 DAWSON, P. S. S. Dynamic aspects of growth and metabolism in *Candida utilis*. Nature [London] 210(5034):375-380. Ref. Apr.23,1966. 472 N21
- 65041 DELIC, I., and others. The effect of cutting date and of different stages of alfalfa growth on its macro composition, on quantitative relations of leaves to the stem and on yields of dry matter. (Se) Savremena Poljoprivreda 13(10):797-808. Oct.1965. 21 P75
B. Milic, N. Vucurevic and R. Zdravkovic, joint authors.
English summary.
- 65042 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Regulation of flowering of *Aphelandra squarrosa* Nees Dania. (Da) Tidsskr. Planteavl 69(4):593-595. 1966. 11 T439
Effect of temperature and length of day.
- 65043 DILOVA, S. Assimilation of C¹⁴ by *Chlorella pyrenoidosa* cultivated in presence of NO₃K, SO₄(NH₄)₂ and CO(NH₂)₂. (Fr) Bulgarska Akad. Nauk. Dokl. 18(8):769-771. 1965. 512 So2
- 65044 DILOVA, S. Effect of NO₃K, SO₄(NH₄)₂ and CO(NH₂)₂ on growth and protein-pigment complex in *Chlorella pyrenoidosa*. (Fr) Bulgarska Akad. Nauk. Dokl. 18(7):667-669. 1965. 512 So2
- 65045 DILZ, K. Nitrogen fertilizing of grain. 10. Influence of nitrogen fertilizing on sugar content of oats during growth. (Du) Stikstof 5(49):36-39. Jan.1966. 57.9 St52
- 65046 DINCEV, D., and LI, C. C. Study of nitrogen assimilation and exchange in plants using ¹⁵N as tracer. (Ge) Bulgarska Akad. Nauk. Dokl. 18(8):777-780. 1965. 512 So2
Oats.
- 65047 DINH-VAN-LU, TRAN THI XUAN-HUONG, and HO-DAO. Some remarks on the development and growth of some summer rice varieties. Khoa Hoc Ky Thuat Nong Nghiep 42(6):344-347. June 1965. 22.5 K52
Text in Vietnamese.
- 65048 DIOS, R. V., and BROYER, T. C. Abnormalities of embryo in corn in relation to molybdenum deficiency symptoms. Agrochimica 10(1): 39-47. Ref. Dec.1965. 385 Ag84
- 65049 DOBRENZ, A. K., and MASSENGALE, M. A. Season of year and sugar content influence alfalfa seed production. Progr. Agr. Ariz. 18 (1):18-19. Jan./Feb.1966. 6 P9452
- 65050 DOORENBOS, J. The chemical revolution in plant culture. (Du) Landbouwkundig Tijdschr. 78(4):133-134. Apr.1966. 105.2 Or3
Growth regulators, chiefly.
- 65051 DOVRAT, A., and OPHIR, N. The effect of number of cuttings, seeding rate and row spacing on the yield and leaf area index of pearl millet (*Pennisetum glaucum* L. R.Br.). Israel J. Agr. Res. 15(4):179-186. Oct.1965. 107 J552
- 65052 DROZDOV, S. N., and SYCHEVA, Z. F. Dependence of the frost resistance of potato tops on the rate of nitrogen metabolism. (Rus) Fiziol. Rast. 12(2):325-331. Ref. 1965. 450 F58
English summary.
- 65053 DUBSKY, F., and others. The study of some physiological aspects on the use of synthetic ion exchangers as sorbents of plant nutrients. Acta Pruhoniciana 11:1-28. Ref. 1965. 80 Ac8
J. Soukup, V. Sykora, and J. Matous, joint authors.
- 65054 DURANTI, A. Observations on the floral biology of *Hibiscus esculentus* L. (Abelmoschus esculentus May). (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:393-406. Ref. 1964/65. 105.4 P83
English summary.
- 65055 DYBING, C. D., and CARSRUD, R. A. Flax research-artificial environments to study yield, maturity, oil quality. S. Dak. Farm Home Res. 17(1):8-11. Winter 1966. 100 So82S
- 65056 DZYUBENKO, N. N. Effect of choline on germination of seeds. (Rus) Resp. Nauchn. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii. Tr. 1:328-331. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 20(sect.G):2. Oct.1965. 241.7 R25
- 65057 EAKS, I. L. Effect of chilling on the respiration of oranges and lemons. Amer. Soc. Hort. Sci. Proc. 87:181-186. Ref. Dec.1965. 81 So12
- 65058 EARLEY, E. B., and others. Effects of shade on maize production under field conditions. Crop Sci. 6(1):1-7. Ref. Jan./Feb.1966. 64.8 C883
R. J. Miller, G. L. Reichert, R. H. Hageman, and R. D. Seif, joint authors.
On the yields of corn hybrids.
- 65059 EATON, G. W. Production of highbush blueberry pollen and its germination in vitro as affected by pH and sucrose concentration. Can. J. Plant Sci. 46(2):207-209. Mar.1966. 450 C16
- 65060 EIDEL'MAN, Z. M., and POPOVA, O. F. Development of photochemical activity of plastids in the course of acquiring green colour by plants. (Rus) Bot. Zhur. [Moscow] 51(4):590-599. Ref. Apr.1966. 451 R923
Review of the literature.

- 65061 ELKINS, D. M., HOVELAND, C. S., and DONNELLY, E. D. Germination of *Vicia* species and interspecific lines as affected by temperature cycles. *Crop Sci.* 6(1):45-48. Ref. Jan./Feb. 1966. 64.8 C883
- 65062 ELLIOTT, C. G., HENDRIE, M. R., and KNIGHTS, B. A. The sterol requirements of *Phytophthora cactorum*. *J. Gen. Microbiol.* 42(3):425-435. Ref. Mar. 1966. 448.3 J823
- 65063 EMBLETON, T. W., and JONES, W. W. Potassium and lemon fruit quality. *Calif. Citrogr.* 51(7):269. May 1966. 80 C125
- 65064 ENSMINGER, L. E., and FRENEY, J. R. Diagnostic techniques for determining sulfur deficiencies in crops and soils. *Soil Sci.* 101(4):283-290. Ref. Apr. 1966. 56.8 So3
- 65065 EPEL, B., and KRAUSS, R. W. The inhibitory effect of light on growth of *Prototheca zopfii* Kruger. *Biochim. Biophys. Acta* 120(1):73-83. Ref. May 12, 1966. 381 B522
- 65066 EPPLEY, R. W., and SLOAN, P. R. Growth rates of marine phytoplankton: correlation with light absorption by cell chlorophyll *a*. *Physiol. Plant.* 19(1):47-59. Ref. 1966. 450 P564
- 65067 ERIKSSON, T. Studies on the growth requirements and growth measurements of cell cultures of *Haplopappus gracilis*. *Physiol. Plant.* 18(4):976-993. Ref. 1965. 450 P564
- 65068 ERNEST, L. C. Auxin-gibberellin relationships in the sunflower. *Diss. Abs.* 26(10):5674-5675. Apr. 1966. 241.8 M58
- 65069 ESSAYS in biochemistry. Volume 1, edited by P. N. Campbell and G. D. Greville. London, 1965. 170 p. Ref. QH345.A1E8
Published for the Biochemical Society.
Partial contents: The biochemists' Green Mansions: the photosynthetic electron-transport chain in plants, by R. Hill, p.121-151.
- 65070 FAJERSOON, F., and KRANTZ, M. Studies on the resistance to shattering of winter and spring wheat varieties at Weibullsholm during the period 1952-1965. (Sw) *Agri Hort. Genet.* 23(3/4):101-171. Ref. 1965. 64.8 Ag8
English summary.
- 65071 FELDMAN, N. L. Heat resistance of leaf cells of spring ephemeral plants with various life expectancy. (Rus) *In* Tsitol. osnovy pri-sposobl. rast. k faktoram sredy 1964:82-87. (Not in Libr.)
Abstracted in Ref. *Zh. Biol.* 20(sect.G):6. Oct. 1965. 241.7 R25
- 65072 FELDMAN, N. L. The increase of thermoresistance of urease in the case of heat treatment of leaves. (Rus) *Akad. Nauk SSSR. Dokl.* 167(4):946-949. Ref. 1966. 511 P444A
Cucumbers.
- 65073 FENSOM, D. S. On measuring electrical resistance in situ in higher plants. *Can. J. Plant Sci.* 46(2):169-175. Ref. Mar. 1966. 450 C16
- 65074 FERNQVIST, I. Nutritional balance of fruit trees. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 76:26-31. 1965. 11 Up62A
- 65075 FILIPPENKO, I. A., MECHISLAVSKII, YU. A., and PAVLOVA, L. I. Physiology of various quality properties of seeds. (Rus) *In* Biol. osnovy povysh. kachestva semyan s.-kh. rast. 1964:25-29. Not in Libr.
Wheat.
Abstracted in Ref. *Zh. Biol.* 20(sect.G):3. Oct. 1965. 241.7 R25
- 65076 FISCHER, K. S. Water requirements of cane. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart Bull. 29(4):133-134. Apr. 1, 1966. 65.9 Q3C
- 65077 FLAIG, W., and HAIDER, K. Findings on the role of methionine in metabolism of C₁ fragments. (Ge) *Agrochimica* 10(1):75-82. Ref. Dec. 1965. 385 Ag84
English summary.
Plants.
- 65078 FOCKE, R. Determination of weight of assimilates in corn leaves as a measure of metabolic production. (Ge) *Zuchter* 35(6):283-290. Ref. 1965. 442.8 Z8
- 65079 FOLLEY, R. F. Some solar radiation effects on vegetable crops in Idaho. *Amer. Soc. Hort. Sci. Proc.* 87:443-448. Dec. 1965. 81 So12
- 65080 FONCK, K. H. Hydroponics—the gardenings of tomorrow. (Ge) *Obst Gemuse* 30(4):35-36. Apr. 1966. 286.83 Ob72
- 65081 FORRESTER, M. L., KROTKOV, G., and NELSON, C. D. Effect of oxygen on photosynthesis, photorespiration and respiration in detached leaves. I. Soybean. *Plant Physiol.* 41(3):422-427. Ref. Mar. 1966. 450 P692
- 65082 FORRESTER, M. L., KROTKOV, G., and NELSON, C. D. Effect of oxygen on photosynthesis, photorespiration and respiration in detached leaves. II. Corn and other monocotyledons. *Plant Physiol.* 41(3):428-431. Mar. 1966. 450 P692
- 65083 FORSBERG, C. Sterile germination of oospores of *Chara* and seeds of *Najas marina*. *Physiol. Plant.* 18(1):128-137. Ref. 1965. 450 P564
- 65084 FREMOND, Y., and BRUNIN, C. Leaf production and early development of the young coconut palm. (Fr) *Oleagineux* 21(4):213-216. Apr. 1966. 77.8 OL2
English summary, p. XXXIX.
- 65085 FRENEY, J. R. How much sulfur do plants require? *Fert. Solutions* 10(3):14-15. May/June 1966. 57.8 So4
- 65086 FRIEND, D. J. C. The effects of light and temperature on the growth of cereals. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:181-199. Ref., p. 197-199. 1965, pub. 1966. S217.E2
Literature review.
- 65087 FRIES, N., and KALLSTROMER, L. A requirement for biotin in *Aspergillus niger* when grown on a rhamnose medium at high temperature. *Physiol. Plant.* 18(1):191-200. Ref. 1965. 450 P564
- 65088 FUJII, T., and YOKOHAMA, Y. Physiology of light-requiring germination in *Eragrostis* seeds. *Plant Cell Physiol.* 6(2):135-145. Ref. June 1965. 450 P699
- 65089 FUJIOKA, Y. On the influence of transpiration or rice-crops upon the percolation. 11 p. Transl. 14383
Translation from Journal of the Agricultural Engineering Society of Japan 25(5). Feb. 1958.
- 65090 FUJIOKA, Y., and others. On the micrometeorological elements and E-T in each growing stage of paddy rice plant. I. On the relation between transpiration and the thickness of the plant growth. 12 p. Transl. 15536
M. Matsuda, K. Ichimura, K. Nakayama, and Y. Yamamoto, joint authors.
Translation from Journal of the Agricultural Engineering Society, Japan 10:36-42. 1965.
- 65091 FUKU, Y. On the short day and illumination treatments applied to rice, with emphasis on the time and duration of the treatments. 27 p. Ref. Transl. 14384
Translation from Tokyo. Imperial Agricultural Experiment Station. Journal 1(4):263-286. Mar. 1931.
- 65092 GARB, S. The fragile breath of life: how to keep it going: plant growth as a cancer clue. *Saturday Rev.* 49(19):50, 52-54. May 7, 1966. 110 Sa82
Growth substances and inhibitors.
- 65093 GARCIA FERNANDEZ, J. Plants of acid and plants of alkaline soils. (Sp) *Cult. Mod.* 49(4):153. Apr. 1966. 15 C89
Plant nutrition.
- 65094 GARWOOD, E. A., and CLEMENT, C. R. A movable and transparent rainproof cover for experimental plots. *J. Agr. Eng. Res.* 11(1):62-64. Mar. 1966. 58.8 J82
For plant growth or nutrient uptake studies under controlled soil water regime conditions.
- 65095 GASPARD, T. Effect of 2-thiouracil on the peroxidase and beta-indoleacetic acid oxidase activities. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(7):763-766. Ref. Feb. 14, 1966. 505 P21
Observed in radish and lentils.
- 65096 GAVRISHEVA, I. F. Variation of the starch content in the root system and rootstocks of apple trees during grafting. (Rus) *Fiziol. Rast.* 11(6):1027-1032. Ref. 1964. 450 F58
English summary.

- 65097 GELMOND, H. Pretreatment of leek seed as a means of overcoming superoptimal temperatures of germination. *Int. Seed Testing Ass. Proc.* 30(3):737-742. 1965. 61.9 In84P
- 65098 GEMAWAT, P. D. Ferrous sulphate for yellowing of sugarcane. *Indian Farming* 15(3):10-11. June 1965. 22 In283
- 65099 GHOSH, A. K., and others. Fluorescence studies on deuterated *Chlorella vulgaris*. *Biochim. Biophys. Acta* 120(1):19-22. May 12, 1966. 381 B522
- Govindjee, H. L. Crespi, and J. J. Katz, joint authors.
- 65100 GILLIER, P. The uptake of mineral elements of groundnut culture in different regions of Senegal. (Fr) *Oleagineux* 21(1):13-15. Jan. 1966. 77.8 OL2
- English summary.
- 65101 GIORGI, M. C. DI., FICHERA, P., and TROPEA, M. Recent directions in the use of saline waters. II. Influence of potassium-sodium ratio on saline-sensitive crops (*Pisum sativum* L.). (It) *Agrochimica* 10(1):83-91. Ref. Dec.1965. 385 Ag84
- English summary.
- 65102 GMELIG MEYLING, H. D., and DOBBEN, W. H. VAN. The physiological causes of variation in yield between oat varieties. (Du) *Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded.* 280/295:81-88. 1965. 60.9 W123
- English summary.
- 65103 GOAS, G. Development of free arginine and arginase activity in seedlings deprived of cotyledons, and in the isolated roots of *Pisum sativum*-L. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4217-4219. Nov.15,1965. 505 P21
- 65104 GODNEV, T. N., and SHABEL'SKAYA, E. F. Effects of short-term cooling on stimulation of chlorophyll and carotenoids accumulation in barley. (Rus) *Fiziol. Rast.* 11(6):961-964. Ref. 1964. 450 F58
- English summary.
- 65105 GORBAN', I. S. Effect of heat treatments of various strength and duration on movement of protoplasm and accumulation of ammonia in plant leaves. (Rus) In *Tsitol. osnovy prispособl. rast. k faktoram sredy* 1964:60-69. Not in Libr.
- Zebrina pendula*.
Abstracted in Ref. *Zh. Biol.* 20(sect.G):5-6. Oct.1965. 241.7 R25
- 65106 GOREN, R., and MONSELISE, S. P. Some physiological effects of triazines on citrus trees. *Weeds* 14(2):141-144. Ref. Apr.1966. 79.8 W41
- Triazine herbicides were simazine, atrazine and amitrol; trials held in Israel.
- 65107 GORID'KO, I. V. Effect of cobalt on rate of photosynthesis in potato leaves. (Rus) *Fiziol. Rast.* 12(2):346-348. 1965. 450 F58
- 65108 GORODNIL, N. G., and VYVAL'KO, I. L. Effect of gibberellin on growth and productivity of flax. (Rus) *Fiziol. Rast.* 11(6):1078-1080. Ref. 1964. 450 F58
- 65109 GORYUNOV, N. S., and OGRYZKOVA, N. I. Physiological evaluation of irrigation conditions for soybeans. (Rus) *Fiziol. Rast.* 11(6):1090-1094. 1964. 450 F58
- English summary.
- 65110 GOTTFREICH, M., BRADU, D., and HALEVI, I. A simplified method of estimating average finger weight in banana field experiments. *Israel J. Agr. Res.* 15(2):101-102. Apr.1965. 107 J552
- Used in testing plant development.
- 65111 GRASMANIS, V. O., and LEEPER, G. W. Ammonium versus nitrate in culture solutions. *Agrochimica* 10(1):54-63. Dec.1965. 385 Ag84
- For plants.
- 65112 GREATHEAD, A. S., RIRIE, D., and MAXIE, E. C. A new disorder of strawberry fruit. *Plant Dis. Rep.* 50(5):327. May 1966. 1.9 P69P
- Physiological disease in California.
- 65113 GREENIDGE, K. N. H. Moisture distribution patterns in the secondary xylem of sugar maple, *Acer saccharum* Marsh. *Amer. Midland Natur.* 75(2):280-291. Apr.1966. 410 M58
- 65114 GROVER, R. Influence of organic matter, texture, and available water on the toxicity of simazine in soil. *Weeds* 14(2):148-151. Ref. Apr.1966. 79.8 W41
- To oats.
- 65115 GUILLOT, A. New remarks on factors affecting rhizogenesis in cuttings from etiolated seedlings of the tomato (*Lycopersicum esculentum* Miller). (Fr) *Acad. Sci. Compt. Rend.* 261(4):1077-1080. July 26,1965. 505 P21
- 65116 GUSTAFSSON, M. On species of the genus *Entomophthora* Fres. in Sweden. II. Cultivation and physiology. *Uppsala. Lantbrukshogsk. Ann.* 31(4):405-457. Ref. 1965. 104 Up6
- 65117 HAAHR, V., and others. Roots development of some cultivated plants in light sandy soil. (Da) *Tidsskr. Planteavl* 69(4):554-567. 1966. 11 T439
- H. Knudsen, G. Nielsen, and J. Sandfoer, joint authors.
- English summary.
- Grain and forage plants.
- 65118 HABERMANN, H. M. Light-inhibited leaf development in a white mutant: resemblance to effects of 2-thiouracil in normally pigmented *Helianthus annuus*. *Physiol. Plant.* 19(1):122-127. 1966. 450 P564
- 65119 HAHN, L. W., and MILLER, J. H. Light dependence of chloroplast replication and starch metabolism in the moss *Polytrichum commune*. *Physiol. Plant.* 19(1):134-141. Ref. 1966. 450 P564
- 65120 HAI, T. V., and LAUDELOUT, H. Phosphate uptake by intact rice plants by the continuous flow method at low phosphate concentrations. *Soil Sci.* 101(5):408-417. Ref. May 1966. 56.8 So3
- 65121 HALL, I. V., and LEEFE, J. S. The effects of frost injury before harvest, on yield of marketable lowbush blueberries. *Can. J. Plant Sci.* 46(2):205. Mar.1966. 450 C16
- 65122 HAMILTON, H. A., DERMINE, P. P., and HIDIROGLOU, M. Effect of seasonal temperature on the yield and chemical composition of a lucerne-timothy mixture. *J. Agr. Sci. [London]* 66(2):263-269. Ref. Apr.1966. 10 J822
- Canada.
- 65123 HANSEN, K. B., and NICHOLLS, E. B. Investigations into techniques for the germination of *Panicum maximum* Jacq. *Int. Seed Testing Ass. Proc.* 30(3):715-722. 1965. 61.9 In84P
- 65124 HARPER, J. L., and BENTON, R. A. The behavior of seeds in soil. II. The germination of seeds on the surface of a water supplying substrate. *J. Ecol.* 54(1):151-166. Ref. Mar.1966. 450 J829
- Effect of soil moisture.
- 65125 HARRISON, A. Carbon dioxide effects on the extension in length of *Avena* [sativa] coleoptiles. *Physiol. Plant.* 18(1):208-218. Ref. 1965. 450 P564
- Grown in vitro.
- 65126 HARTT, C. E. Translocation in colored light. *Plant Physiol.* 41(3):369-372. Mar.1966. 450 P692
- Of sugarcane, under fluorescent light.
- 65127 HASPEL-HORVATOVIC, E. Further proof of direct oxygen transfer by carotenoids in respiration and photosynthesis. *Nature [London]* 209(5028):1135. Mar.12,1966. 472 N21
- In barley.
- 65128 HAYWARD, J. Studies on the growth of *Phaeodactylum tricornutum* (Bohlin). I. The effect of certain organic nitrogenous substances on growth. *Physiol. Plant.* 18(1):201-207. Ref. 1965. 450 P564
- In laboratory culture.
- 65129 HEATWOLE, H. Moisture exchange between the atmosphere and some lichens of the genus *Cladonia*. *Mycologia* 58(1):148-156. Ref. Jan./Feb.1966. 450 M99
- 65130 HEIDE, O. M. Interaction of temperature, auxins, and kinins in the regeneration ability of *Begonia* leaf cuttings. *Physiol. Plant.* 18(4):891-920. Ref. 1965. 450 P564

- 65131 HEIDE, O. M. Photoperiodic effects on the regeneration ability of Begonia [cheimantha] leaf cuttings. *Physiol. Plant.* 18(1):185-190. 1965. 450 P564
- 65132 HEIDENREICH, E. On the compatibility of pesticides under the influence of the water used in spraying. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:125-127. 1965. 464.9 In834
Physiological reaction of fruit to sprays.
- 65133 HENDRICKSEN, R. E. Effect of stage and intensity of defoliation on the growth of cowpea. *Queensland J. Agr. Anim. Sci.* 22(3):343-345. Sept.1965. 23 Q37
- 65134 HERNANDO, V., SANCHEZ CONDE, M. P., and CONTRERAS, J. G. Study of mineral nutrition of corn in gypsum soils. (Sp) *Agrochimica* 10 (1):18-31. Ref. Dec.1965. 385 Ag84
English summary.
- 65135 HEURSEL, J. Experience with B 9 and cycocel on Azaleas. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:132. 1965. 464.9 In834
- 65136 HIBBERT, D., and WOODWARD, W. The effect of various analytical factors on the germination test results obtained on some British sugar beet seeds. *Int. Seed Testing Ass. Proc.* 30(3):689-704. 1965. 61.9 In84P
- 65137 HIDIROGLOU, M., and others. Chemical composition and in vitro digestibility of forage as affected by season in northern Ontario. *Can. J. Plant Sci.* 46(2):101-109. Ref. Mar.1966. 450 C16
P. Dermine, H. A. Hamilton, and J. E. Troelsen, joint authors.
Alfalfa and timothy and the effects of temperature during their growing season.
- 65138 HIEKE, K. The effect of light and other factors upon the growth and rooting of Camellia shoots. (Cz) *Acta Pruhoniana* 11:29-50. Ref. 1965. 80 Ac8
English summary.
- 65139 HIGASE, S. Effect of ethanol application on the flower formation in tobacco. *Plant Cell Physiol.* 6(4):775-777. Dec.1965. 450 P699
- 65140 HIRATA, H., and MITSUI, S. Role of calcium in potassium uptake by plant roots. *Plant Cell Physiol.* 6(4):699-709. Ref. Dec.1965. 450 P699
- 65141 HOBBS, E. H., and KROGMAN, K. K. A comparison of measured and calculated evapotranspiration for alfalfa in southern Alberta. *Can. Agr. Eng.* 8(1):9-11. Ref. Jan.1966. 58.8 C164
- 65142 HOFNER, W., and HERWIG, K. Influence of manganese on the volume and osmotic value of young sunflower exudates. (Ge) *Physiol. Plant.* 19(1):31-39. Ref. 1966. 450 P564
- 65143 HOLUB, Z., and NAVARA, J. The protecting effect and influence of calcium, magnesium and phosphorus on the uptake of fluorine by pea seeds. *Biologia [Bratislava]* 21(3):177-182. Ref. 1966. 442.8 B5265
- 65144 HOLUBCIK, M. Assessment of acclimatization experiment with firs (Abies sp.) in the forestry arboretum VULH at Kysihyl near Banska Stiavnica. *Commun. Inst. Forest. Cech.* 4:83-97. Ref. 1965. 99.9 P884
- 65145 HOLUBYN'S'KYI, I. N. Reciprocal effect in pollen mixtures during germination on artificial media. (Ukr) *Ukr. Bot. Zhur.* 23(1):41-47. 1966. 450 J8212J
English summary.
- 65146 HOMES, M. V. Sulfur requirement in fertilizers as determined by the method of systematic variations. *Soil Sci.* 101(4):291-296. Ref. Apr.1966. 56.8 So3
Determination of nutrient requirements for corn.
- 65147 HORN, E. Winter and frost resistance in some peach sorts. (Hu) *Budapest. Kerteszeti Szolész. Foiskola. Kozlemenyei* 29(1):119-133. Ref. 1965. 80 B85
- 65148 HORTIK, H. J., and ARNOLD, C. Y. Temperature and the rate of development of sweet corn. *Amer. Soc. Hort. Sci. Proc.* 87:303-312. Dec. 1965. 81 So12
- 65149 HOSSAIN, M. K. A comparative study of anthesis in diploid and tetraploid plants of the four species of jute. *Pakistan J. Sci.* 16(5/6):325-328. Sept./Nov.1964. 475 P172
- 65150 HRUSCHKA, H. W., and others. Seed potato productivity after cooling, supercooling, or freezing. *U. S. D. A. Marketing Res. Rep.* 507,14 p. Ref. Apr.1966. 1 Ag84Mr
R. V. Akeley, E. H. Ralph, R. L. Sawyer, and A. E. Schark, joint authors.
- 65151 HSU, H. K. Research on absorption of nitrogen and phosphates as sustenance by spiked-millet. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol.* 171:1-6. Apr.16,1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Fertilizers.
Translation from T'u Jang T'ung Pao 4:8-10. Aug.1964.
Issued by CFSTL.
- 65152 HUECK, H. J., ADEMA, D. M. M., and WIEGMANN, J. R. Bacteriostatic, fungistatic, and algistatic activity of fatty nitrogen compounds. *Appl. Microbiol.* 14(3):308-319. May 1966. 448.3 Ap5
- 65153 HULME, A. C., JONES, J. D., and WOOLTON, L. S. C. Mitochondrial activity in apple fruits during development of the fruit on the tree. *J. Expt. Bot.* 17(50):135-146. Ref. Feb. 1966. 450 J8224
A physiological study.
- 65154 HUMPHRIES, E. C., WELBANK, P. J., and WITTS, K. J. Effect of CCC (chlorocholine chloride) on growth and yield of spring wheat in the field. *Ann. Appl. Biol.* 56(3):351-361. Ref. Dec.1965. 442.8 An72
- 65155 HUMPHRY, V. R. The effects of paraffin oil on phototropic and geotropic responses in Avena coleoptiles. *Ann. Bot. (n.s.)* 30(117):39-45. Ref. Jan.1966. 450 An7
- 65156 HUNGERBUHLER, K., and PECLARD, D. Report on 1965 field trials with chlorocholine chloride and urea (Emsuron) on various wheat varieties. (Ge) *Schweiz. Landwirt. Monatsh.* 44(1):22-45. Ref. Jan.1966. 17 Sch93
- 65157 HUXLEY, P. A. Coffee germination test recommendations and defective seed types. *Int. Seed Testing Ass. Proc.* 30(3):705-714. Ref. 1965. 61.9 In84P
- 65158 ILIEV, P. Dynamics of growth and exchange processes in plants after short dosing. *Bulgarska Akad. Nauk. Dokl.* 18(7):663-665. 1965. 512 So2
Treatment of vetch seeds with potassium bromide.
- 65159 INCZE, F. Light and heat effects on the shoot growth and budding of Chrysanthemum indicum. (Hu) *Budapest. Kerteszeti Szolész. Foiskola. Kozlemenyei* 28(3):247-252. 1964, pub.1965. 80 B85
English summary.
- 65160 INOUE, J. Flower initiation in total darkness in a quantitative short day plant, *Fagopyrum esculentum* Moench. *Plant Cell Physiol.* 6(2):167-177. Ref. June 1965. 450 P699
- 65161 IRNAZAROV, I., and KALININ, F. L. Processes of oxygen activation in the embryogenesis of heterosis hybrids of maize and the initial parent forms. (Ukr) *Ukr. Bot. Zhur.* 23(1):23-30. Ref. 1966. 450 J8212J
English summary.
- 65162 ISAC, I. Aspects of the biology of fruit-bearing of apples. (Rum) *Gradina, Via Livada* 14(2):59-67. Feb.1965. 80 G75
- 65163 ISHIZUKA, Y., and OGATA, S. On the depth of drainage of peat land for agricultural reclamation. 5. Effects of potassium and phosphorus fertilizers on the growth of forage plants. (Ja) *J. Sci. Soil Manure* 36(10):297-303. Oct.1965. 56.8 J27
- 65164 ITAI, C., and VAADIA, Y. Kinetin-like activity in root exudate of water-stressed sunflower plants. *Physiol. Plant.* 18(4):941-944. Ref. 1965. 450 P564
- 65165 ITOH, M. Osmotic effect on the photoshrinkage of chloroplasts. *Plant Cell Physiol.* 6(2):221-231. Ref. June 1965. 450 P699
In spinach.

- 65166 IVANOV, V. B. Effect of chloramphenicol on the formation of thickenings on roots, induced by alpha-naphthylacetic acid (NAA), 6-benzylaminopurin, and colchicine. (Rus) Akad. Nauk SSSR. Dokl. 167:1184-1186. 1966. 511 P444A
Corn.
- 65167 IWASAKI, H. Nutritional studies of the edible seaweed *Porphyra tenera*. I. The influence of different B₁₂ analogues, plant hormones, purines and pyrimidines on the growth of *Conchocelis*. Plant Cell Physiol. 6(2):325-336. Ref. June 1965. 450 P699
Includes Vitamin B₁₂
- 65168 IZAWA, S., and GOOD, N. E. Effect of salts and electron transport on the conformation of isolated chloroplasts. I. Light-scattering and volume changes. Plant Physiol. 41(3):533-543. Ref. Mar. 1966. 450 P692
In spinach.
- 65169 IZAWA, S., and GOOD, N. E. Effect of salts and electron transport on the conformation of isolated chloroplasts. II. Electron microscopy. Plant Physiol. 41(3):544-552. Ref. Mar. 1966. 450 P692
In spinach.
- 65170 JACKSON, W. T. Mannitol-induced stimulation of elongation of root hairs of *Agrotis alba* L. Physiol. Plant. 18(1):24-30. Ref. 1965. 450 P564
- 65171 JACOBI, A., and KANDELER, R. The effect of temperature on the photocontrol of germination in *Lactuca sativa* "Attraktion." (Ge) Z. Pflanzenphysiol. 53(3):262-270. Ref. Oct. 1965. 450 Z32
English summary.
- 65172 JACOBS, W. P., and KIRK, S. C. Effect of gibberellic acid on elongation and longevity of *Coleus [blumei]* petioles. Plant Physiol. 41(3):487-490. Ref. Mar. 1966. 450 P692
- 65173 JAFEE, M. J., ISENBERG, F. M. Some effects of N-dimethyl amino succinamic acid (B-Nine) on the development of various plants, with special reference to the cucumber, *Cucumis sativus* L. Amer. Soc. Hort. Sci. Proc. 87:420-428. Ref. Dec. 1965. 81 So12
Includes tomatoes and Petunias.
- 65174 JARRETT, P. A., ALTONA, R. E., and HYAM, G. F. S. The effect of date of planting on the growth and yield of maize. S. Afr. J. Sci. 62(3):80-84. Mar. 1966. 515 So84
- 65175 JELLUM, M. D., and MARION, J. E. Factors affecting oil content and oil composition of corn (*Zea mays* L.) grain. Crop Sci. 6(1):41-42. Ref. Jan./Feb. 1966. 64.8 C883
Environmental factors.
- 65176 JEPSON, W. F. The development of cycocel on edible crops in Europe. Int. Symp. Crop Protect. [Pap.], 17th Symp.:134. 1965. 464.9 In834
Chiefly field trials on its effect on grain.
- 65177 JEVTIC, S., and SPASOJEVIC, B. Physiological changes in the course of maturing in some wheat varieties under conditions of high temperatures and moisture deficiency. (Se) Savremena Poljoprivreda 13(6):503-519. Ref. June 1965. 21 P75
English summary.
- 65179 JEWISS, O. R. Morphological and physiological aspects of growth of grasses during the vegetative phase. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:39-54. Ref. 1965, pub. 1966. S217.E2
Literature review.
- 65179 JEYANAYAGHY, S., and RAO, A. N. Flower and seed development in *Bromheadia finlaysoniana*. Torrey Bot. Club. Bull. 93(2):97-103. Ref. Mar./Apr. 1966. 451 T63B
- 65180 JOHANSSON, J. Use of B-9 for Chrysanthemum. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 76:49-56. 1965. 11 Up62A
- 65181 JOHNSON, G. T., and KYKER, G. C. The mechanism of cerium uptake by *Saccharomyces cerevisiae*. Mycologia 58(1):91-99. Jan./Feb. 1966. 450 M99
Cerium-144.
- 65182 JONES, C. M. Effects of benzyladenine on fruit set in muskmelon. Amer. Soc. Hort. Sci. Proc. 87:335-340. Ref. Dec. 1965. 81 So12
- 65183 JONES, L. H., and CORNER, J. J. Physiological aspects of dwarf bean maturity. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:137-147. 1962, pub. 1965. TP368.15
- 65184 JONKERS, H. Growth inhibition, fruit bud formation and fruit set in the apple, after treatment with Alar (=B-nine). (Du) Neth. Dir. Tuinbouw. Mededel. 28(12):630-640. Dec. 1965. 86 N384
English summary, p. 653-654.
- 65185 JORDAN, L. S., and others. Effect of photosynthesis-inhibiting herbicides on nonphotosynthetic tobacco callus tissue. Weeds 14(2):134-136. Ref. Apr. 1966. 79.8 W41
T. Murashige, J. D. Mann, and B. E. Day, joint authors.
- 65186 KADAR, MRS. P. K. Examination of some factors furthering intensive initial development of annual cultivated plants. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):127-141. 1964, pub. 1965. 80 B85
English summary.
Effect of fertilizers, perlite and seed treatment on bush redpeppers.
- 65187 KADOYA, K. Effects of different types of nitrogen fertilizers on growth and nutrient status of young Satsuma orange trees in sand culture. Ehime Univ. Mem. Sect. VI, Agr. 11(2):321-334. Dec. 1965. 107.6 Eh33
- 65188 KAHAN, R. S., AHARONI, Y., and LATTAR, F. S. Effects of CO⁶⁰ gamma rays on respiration rate, loss in weight, and appearance of green and ripe Shamouti orange fruits. Israel J. Agr. Res. 15(4):201-207. Ref. Oct. 1965. 107 J552
- 65189 KARVE, A. D., and JIGAJINNI, S. G. Circadian rhythm in *Portulaca [grandiflora]*. Z. Pflanzenphysiol. 53(2):169-172. Aug. 1965. 450 Z32
- 65190 KARVE, A. D., and JIGAJINNI, S. G. An entrained oscillation as a model of a two-oscillator system. Z. Pflanzenphysiol. 53(4):363-365. Nov. 1965. 450 Z32
Geotropism of *Carthamus tinctorius*.
- 65191 KASTORI, R. Determination of plant transpiration by the method of Arland. (Se) Savremena Poljoprivreda 13(7/8):673-676. July/Aug. 1965. 21 P75
- 65192 KASTORI, R., and SARIC, M. Influence of different concentrations of some minor elements on the uptake of phosphoric acid by wheat. (Ge) Phosphorsaeure 25(5/6):281-288. Ref. 1965. 57.8 P563
- 65193 KAWASE, M. Etiolation and rooting in cuttings. Physiol. Plant. 18(4):1066-1076. Ref. 1965. 450 P564
In mung beans and *Salix alba*.
- 65194 KAWAZU, K., FUJITA, T., and MITSUI, T. Studies on plant growth regulators. XVII. Plant growth activity of the atropic acid derivatives. Agr. Biol. Chem. 30(3):261-265. Ref. Mar. 1966. 385 Ag8B
- 65195 KAZARYAN, V. O., BALAGEZYAN, N. V., and KARAPETYAN, K. A. Influence of the fruits of apple trees on the physiological activity of the leaves. (Rus) Fiziol. Rast. 12(2):313-319. Ref. 1965. 450 F58
English summary.
- 65196 KHAN, A. A., and TOLBERT, N. E. Inhibition of lettuce seed germination and root elongation by derivatives of auxin and reversal by derivatives of cycocel. Physiol. Plant. 19(1):81-86. Ref. 1966. 450 P564
- 65197 KHAN, A. A., and TOLBERT, N. E. Light-controlled cycocel reversal of coumarin inhibition of lettuce seed germination and root growth. Physiol. Plant. 19(1):76-80. Ref. 1966. 450 P564
- 65198 KHAN, A. A., and TOLBERT, N. E. Reversal of inhibitors of seed germination by red light plus kinetin. Physiol. Plant. 18(1):41-43. 1965. 450 P564
Tests with lettuce seeds and coumarin, xanthatin and an aliphatic compound.

- 65199 KHATRI, M. I. Photoperiodic and vernalization studies of New Zealand wheat. Pakistan J. Sci. 16(5/6):307-311. Ref. Sept./Nov.1964. 475 P172
- 65200 KHATRI, M. I. Physical and physiological basis of yield of wheat. Pakistan J. Sci. 17(1):45-50. Ref. Jan.1965. 475 P172
Genic male sterility.
- 65201 KIRILLOVA, G. A. Effects of succinic acid on exchange of nitrogen in germinated spring wheat. (Rus) Moscow. Gl. Bot. Sad. Byul. 56: 52-57. 1964. 451 M854
Treatment of seeds.
Abstracted in Ref. Zh. Biol. 22(sect.G):5. Nov.1965. 241.7 R25
- 65202 KIRKBY, E. A., and DEKOCK, P. C. The influence of age on the cation-anion balance in the leaves of brussels sprouts (*Brassica oleracea* var. *gemmifera*). (Ge) Z. Pflanzenernähr. Dungung, Bodenk. 11(3):197-203. Ref. Dec. 1965. 384 Z343A
- 65203 KLEINENDORST, A., and BROUWER, R. The effect of temperature on two different clones of perennial ryegrass. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:29-39. Ref. 1965. 60.9 W123
- 65204 KLEINENDORST, A., and SONNEVELD, A. Influence of the number of days in continuous light, after vernalization, on shooting and morphology of the inflorescences of two types of perennial ryegrass (*Lolium perenne* L.). Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:41-48. Ref. 1965. 60.9 W123
- 65205 KLEINENDORST, A., and SONNEVELD, A. Influence of the vernalization period and light intensity of shooting and composition of the inflorescence of perennial ryegrass (*Lolium perenne* L.). Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295: 49-55. 1965. 60.9 W123
- 65206 KLIKOFF, L. G. Competitive response to moisture stress of a winter annual of the Sonoran Desert. Amer. Midland Natur. 75(2):383-391. Apr.1966. 410 M58
Plantago insularis fastigata.
- 65207 KLIKOFF, L. G. Photosynthetic response to temperature and moisture stress of three timberline meadow species. Ecology 46(4):516-517. Early summer 1965. 410 Ec7
Carex exserta, Potentilla breweri and Calamagrotis breweri, in California.
- 65208 KLOTZ, L. J., and others. Root decay of citrus as affected by soil moisture and aeration. Calif. Citrogr. 51(7):296-299. May 1966. 80 C125
L. H. Sotlzy, J. Letey, C. K. Labanauskas, N. Valoras, and T. A. DeWolfe, joint authors.
Physiological disease.
- 65209 KNUTSEN, G. Effects of phenylethyl alcohol on *Chlorella pyrenoidosa*. Physiol. Plant. 19(1): 142-151. Ref. 1966. 450 P564
- 65210 KOCHEREZHKIN, V. G. Stage and development of studies on photosynthesis. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 2:298-303. 1965. 511 Sa2B
Abstracted in Ref. Zh. Biol. 22(sect.G):3. Nov.1965. 241.7 R25
- 65211 KOFRANEK, A. M., and HACKETT, W. P. The influence of daylength and night temperature on the flowering of poinsettia, [*Euphorbia pulcherrima*] cultivar "Paul Mikkelsen." Amer. Soc. Hort. Sci. Proc. 87:515-520. Dec.1965. 81 S012
- 65212 KOHLER, D. The effect of weak red light and chorocholinechloride on the gibberellin-content of normal pea seedlings, and the cause of the different sensibility of dwarf and normal pea seedlings toward the endogenous gibberellin. (Ge) Planta 67(1):44-54. 1965. 450 P693
English summary.
- 65213 KOLISHCHUK, V. G. Increment dynamics in *Pinus mughus* Scop., as connected with solar activity. (Rus) Akad. Nauk SSSR. Dokl. 167: 710-713. 1966. 511 P444A
- 65214 KOMATSU, N. Effect of the varied amount of phosphate fertilizer on the maturity of bright leaf tobacco. 1. 14 p. Ref. Transl. 14964
Translation from Journal of the Science of Soil and Manure 24:268-270. 1954.
- 65215 KOMATSU, N. Effect of the varied amount of phosphate fertilizer on the maturity of bright leaf tobacco. 2. 10 p. Transl. 14963
Translation from Journal of the Science of Soil and Manure 24:331-333. 1954.
- 65216 KONSTANTINOV, N. N., ZHEBRAK, E. A., and NIKOL'SKII, YU. K. Photoperiodism in diploids and tetraploids of proso and barley. (Rus) Akad. Nauk SSSR. Dokl. 167:1398-1400. 1966. 511 P444A
- 65217 KONYCHEVA, V. I. Flowering of wormwoods *Artemisia turanica* Krasch. and *A. diffusa* Krasch. ex Polyak. (Rus) Bot. Zhur. [Moscow] 51(4):567-570. Ref. Apr.1966. 451 R923
Pollination.
- 65218 KOPECKY, M. The effect of solar radiation on the formation of yields and quality of malting barley. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(11):1119-1128. Ref. Nov. 1965. 64.9 C33
English summary.
- 65219 KOPECKY, M. The effect of the intensity of solar radiation on the uptake and utilization of K₂O by summer barley. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(11):1107-1118. Ref. Nov.1965. 64.9 C33
English summary.
- 65220 KORNEVA, E. I. Dormant period of peppermint rootstock. (Rus) Fiziol. Rast. 12(2):320-324. 1965. 450 F58
English summary.
- 65221 KOSTIR, J., KLENHA, J., and JIRACEK, V. The effect of choline and acetylcholine on the germination of seeds of economically important plants. I. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(12):1239-1280. Ref. Dec. 1965. 64.9 C33
English summary.
Field crops.
- 65222 KOTAKA, S., KRUEGER, A. P., and ANDRIESE, P. C. Effect of air ions on IAA [Indoleacetic acid] content of barley seedlings. Plant Cell Physiol. 6(4):711-719. Ref. Dec. 1965. 450 P699
- 65223 KOTAKA, S., KRUEGER, A. P., and ANDRIESE, P. C. Some observations on air-ion-enhanced iron chlorosis in barley (*Hordeum vulgare*) seedlings. Plant Cell Physiol. 6(2):233-245. Ref. June 1965. 450 P699
- 65224 KOZMA, P., and POLYAK, D. The intensity of nutrient transport in the different parts of vine-stalk, studied with isotope technique. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):149-159. Ref. 1965. 80 B85
English summary.
- 65225 KREEB, K. The ecological importance of saline soils. (Ge) Angew. Bot. 39(1/2):1-15. Ref. June 1965. 450 An4
English summary.
Effects on physiology of halophytes and glyco-phytes.
- 65226 KRETCHMAN, D. W., and HOWLETT, F. S. The relationship of day temperatures and CO₂ enrichment to fruit set and yield of greenhouse tomatoes. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:5-9. Apr.1966. 100 Oh3Rs
- 65227 KRETCHMAN, D. W., and HOWLETT, F. S. The response of tomato seedlings to CO₂ enrichment. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:1-4. Apr.1966. 100 Oh3Rs
Greenhouse culture.
- 65228 KREY, A., and GOVINDJEE. Fluorescence studies on a red alga, *Porphyridium cruentum*. Biochim. Biophys. Acta 120(1):1-18. Ref. May 12,1966. 381 B522
- 65229 KRUSHILIN, A. S., and SHVEDSKAYA, Z. M. Vernalization of vegetative buds of berry plants. (Rus) Fiziol. Rast. 11(6):1022-1026. Ref. 1964. 450 F58
English summary.
Strawberries.

- 65230 KUDREV, T., and PAVLOV, P. Raising yield of swamp-damaged wheat by vitamin B6 spraying. *Bulgarska Akad. Nauk. Dokl.* 18(6): 555-557. 1965. 512 So2
- 65231 KUGATOVA-SHEMYAKINA, G. P., and others. New plant growth stimulants. 8 p. (JPRS 29,463; TT 65-30669) Transl. 14956
V. A. Rudenko, G. P. Smirnova, A. I. Grechushnikov, L. M. Mishurovskaya, D. A. Agaki-shiyev, L. A. Pen'kov, and V. F. Ushakova, joint authors.
Translation from *Akademiya Nauk SSSR. Doklady* 160(4):960-963. 1965.
CFSTI: \$1.00.
- 65232 KUHN, H., LINSE, H., and SCHUSTER, W. The effect of CCC in conjunction with increased nitrogen as shown in the field with some spring and winter wheat varieties. (Ge) *Z. Acker-Pflanzenbau* 123(4):356-373. Ref. Apr. 1966. 18 J825
English summary.
- 65233 KUNKEL, R., and HOLSTAD, N. Growth responses of Russet Burbank to N-dimethyl amino succinamic acid (B-Nine). *Amer. Potato J.* 43(4):107-111. Apr. 1966. 75.8 P842
- 65234 KUPERMAN, F., and others. The effect of the spectral composition of light on the development and some physiological properties of sugar beet grown for seed. (Se) *Savremena Poljoprivreda* 13(10):783-795. Ref. Oct. 1965. 21 P75
I. Marjahina, B. M. Zelikson, and S. Stanacev, joint authors.
English summary.
- 65235 KURDYUK, M. G. Fruit-bearing and natural renewal of some exotic trees in Kharkov Region. (Ukr) *Ukr. Bot. Zhur.* 23(1):98-102. 1966. 450 J8212J
English summary.
In parks.
- 65236 KURSANOV, A. L. Trends in experimental biology. 8 p. (JPRS 26,381; TT 64-41640) Transl. 14495
In the fields of plant physiology and biochemistry.
Translation from *Akademiya Nauk SSSR. Vestnik* 34(7):36-42. July 1964.
CFSTI: \$1.00.
- 65237 KUTYURIN, V. M., ULUBEKOVA, M. V., and NAZAROV, N. M. Effect of light and oxygen on photosynthesis and respiration of aquatic plants. (Rus) *Fiziol. Rast.* 11(6):965-973. Ref. 1964. 450 F58
English summary.
- 65238 KUZIN, A. M. The application of irradiation prior to sowing in agriculture. 4 p. Ref. (OTS 63-11054) Transl. 14330
Physiological effect.
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 7:127-130. 1960.
CFSTI: \$.50.
- 65239 KUZ'MINA, L. M. Abnormal forms of seeds in the poppy *Papaver nudicaule* L. (Rus) *Bot. Zhur. [Moscow]* 51(4):557-559. Apr. 1966. 451 R923
- 65240 LABANAUSKAS, C. K., and others. Effects of soil-oxygen and irrigation on the accumulation of macro- and micronutrients in citrus seedling (*Citrus sinensis* var. Osbeck). *Soil Sci.* 101(5):378-384. Ref. May 1966. 56.8 So3
J. Letey, L. H. Stolzy, and N. Valoras, joint authors.
- 65241 LACZYNSKA-HULEWICZ, T., and MACKIEWICZ, T. Pollen fertility and pollen tube growth in diploid and tetraploid red clover. 11 p. Ref. Transl. 14416
Translation from *Zuchter* 33(1):11-17. 1963.
- 65242 LANE, H. C. BAKER, J. E., and DANIELSON, L. L. Effect of diuron on photosynthesis and photomorphogenesis of dodder [*Cuscuta indecora*] seedlings. *Weeds* 13(4):371-372. Oct. 1965. 79.8 W41
- 65243 LANGE, O. L., and KANZOW, H. Growth inhibition in higher plants with dead leaves and bulbs of *Allium ursinum*. (Ge) *Flora [Jena]* Abt. B, Morphol. Geobot. 156(1):94-101. Oct. 20, 1965. 450 F66
Allelopathy tested with tomatoes.
- 65244 LANGER, R. H. M. Mineral nutrition of grasses and cereals. Nottingham, Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:213-226. Ref., p. 225-226. 1965, pub. 1966. S217.E2
Literature review.
- 65245 LANGERON, M. Outline of mycology. 426 p. QK601.L33
Fungi physiology and morphology.
Translation of *Precis de Mycologie*, ed. 2, pt. 1.
- 65246 LAPEYRONIE, A. Drought resistance and forage plants. (Fr) *Tunis. Ecole Nat. Super. Agr. Bull. Bull. Trim.* 7:39-78. Ref. June 1965. 24 T838
- 65247 LARS, T. H., STEDINGK, V. VON, and BALTSCHEFFSKY, H. Photophosphorylation in presence and absence of added adenosine diphosphate in chromatophores from *Rhodospirillum rubrum*. *Acta Chem. Scand.* 20(1):1-10. Ref. 1966. 385 Ac82
- 65248 LEBEDEV, G. V., and others. Apparatus for continuous recording of water absorption by plants. (Rus) *Fiziol. Rast.* 11(6):1110-1114. Ref. 1964. 450 F58
V. G. Chuchkin, E. D. Sabinina, and V. G. Bryukvin, joint authors.
English summary.
- 65249 LEBRUN-PEREMANS, J. In vitro culture of the apical meristems of carnations. (Fr) *Agricultura [Louvain] (ser. 2)* 14(1):97-103. Mar. 1966. 13 R32
English summary.
- 65250 LEE, E. C., CATALFOMO, P., and SCIUCHETTI, L. A. Preliminary investigations of *Heraclium mantegazzianum*. *J. Pharm. Sci.* 55(5): 521-522. Ref. May 1966. 396.8 J825
Germination.
- 65251 LEE, P. C. Effects of light and temperature on the formation of sexual structures in the family Saprolegniaceae. *Diss. Abs.* 26(10): 5676. Apr. 1966. 241.8 M58
- 65252 LEE, S. G., and CHASSON, R. M. Aging and mitochondrial development in potato tuber tissue. *Physiol. Plant.* 19(1):199-206. Ref. 1966. 450 P564
- 65253 LEE, S. G., and CHASSON, R. M. Aging and the development of enhanced respiration in potato tuber tissue. *Physiol. Plant.* 19(1):194-198. Ref. 1966. 450 P564
- 65254 LEMIN, A. J. Herbicide metabolism: absorption, translocation, and metabolism of diphenamid-1-C¹⁴ by tomato seedlings. *J. Agr. Food Chem.* 14(2):109-111. Mar./Apr. 1966. 381 J8223
- 65255 LENNEY, J. F., and KLEMMER, H. W. Factors controlling sexual reproduction growth in *Pythium graminicola*. *Nature [London]* 209(5030):1365-1366. Mar. 26, 1966. 472 N21
Isolated from soil.
- 65256 LI, H. N. The relationship between dormancy of winter wheat and meteorological conditions. 4 p. (JPRS 4495) Transl. 14817
Translation from *Jen-min Jih-pao* Nov. 28, 1960:7.
Issued by CFSTI.
- 65257 LIGHTBODY, J. J., and KROGMANN, D. W. The role of plastoquinone in the photosynthetic reactions of *Anabaena variabilis*. *Biochim. Biophys. Acta* 120(1):57-64. Ref. May 12, 1966. 381 B522
- 65258 LIKHOLAT, T. V. Effect of 2,4-D on accumulation of energy-rich phosphates in plants of various systematic position. (Rus) *Fiziol. Rast.* 11(6):1070-1077. Ref. 1964. 450 F58
English summary.
Wheat, corn and Sonchus.
- 65259 LINDAHL, P. E. B., and AKERSTROM, S. On the mechanism of inhibition of photosynthesis by N-disubstituted dithiocarbamates and corresponding thiuram disulphides. *Uppsala. Landbrukshogsk. Ann.* 31(4):459-503. Ref. 1965. 104 Up6
Enteromorpha linza as test plant.
- 65260 LINDAHL, P. E. B. On the reversal of the inhibition of photosynthesis induced by sodium dimethyldithiocarbamate and tetramethylthiuram disulphide. *Physiol. Plant.* 19(1):87-98. Ref. 1966. 450 P564
In the green alga *Enteromorpha linza*.

- 65261 LINDSTROM, R. S. Carbon dioxide and its effect on the growth of roses. Amer. Soc. Hort. Sci. Proc. 87:521-524. Ref. Dec.1965. 81 So12
- 65262 LINSER, H., and others. CCC-effects on oats. (Ge) Mitt. Deut. Landwirt.-Ges 81(12):517-518. Mar.24,1966. 18 N39
H. Kuhn, P. W. Kurten, and W. Schuster, joint authors.
- 65263 LINSMAIER, E. M., and SKOOG, F. Organic growth factor requirements of tobacco tissue cultures. Physiol. Plant. 18(1):100-127. Ref. 1965. 450 P564
Tests with growth substances and vitamins.
- 65264 LITVIN, F. F., TAN', KH. I., and EFIMTSEV, E. I. Polarographic method for studying the kinetics and action spectra of photosynthesis. (Rus) Fiziol. Rast. 12(2):364-370. Ref. 1965. 450 F58
English summary.
Chlorella.
- 65265 LITYNSKI, M., and URBANIAK, Z. Observations on the influence of light on seeds of certain plant species during storage. 41 p. Ref. (OTS 61-31254) Transl. 14304
Effect on viability and germination of vegetable seeds.
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(1):21-66. 1958.
- 65266 LOCHER, J. T., and BROUWER, R. Influence of different root temperatures on transpiration and exudation of young maize plants. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:57-63. 1965. 60.9 W123
- 65267 LOEWENBERG, J. R. Promotion of indoleacetic acid destruction by citric acid and L-alanine. Physiol. Plant. 18(1):31-40. Ref. 1965. 450 P564
Testing bud formation by tobacco callus grown in vitro.
- 65268 LOMANDER, L. Exo- and endogenous respiration of *Saccharomyces pastorianus* after growth in media containing zinc and calcium. Physiol. Plant. 18(4):968-975. 1965. 450 P564
- 65269 LOMANDER, L. Influence of calcium and zinc on the growth of *Saccharomyces pastorianus*. Physiol. Plant. 18(1):153-158. 1965. 450 P564
- 65270 LOUWERSE, W., and ALBERDA, T. Nitrate and amino-acids in the bleeding sap of cut tomato petioles. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:89-96. 1965. 60.9 W123
- 65271 LU, C. Y. Effect of precipitation on the yield of winter wheat in the plains of North China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 193:9-19. June 30,1965. (JPRS 30,881; TT 65-31387; CSO 3576-D) 173 J663Tcco
Translation from Ch'i Hsiang Hsueh Pao 33 (3):392-398. Aug.1963.
Issued by CFSTI.
- 65272 LUDDECKE, F. Effects of temperatures on the yield of field forage plants in the northern districts of the DDR. (Ge) Deut. Landwirt. 17(3):132-134. Mar.1966. 18 D4822
- 65273 LUNDEGARDH, H. Cytochromes as regulators of photosynthetic O_2 -production. Physiol. Plant. 18(1):269-274. Ref. 1965. 450 P564
Tests with spinach.
- 65274 LUTKOVA, I. N., and OLESHKO, P. M. Effect of an electric current during stratification in cherry seeds. (Rus) Fiziol. Rast. 12(2):238-241. 1965. 450 F58
English summary.
Acceleration of germination.
- 65275 LYMAN, J. T. Dark recovery of yeast following ionizing radiations. Diss. Abs. 26(10):5669. Apr.1966. 241.8 M58
- 65276 MACKAY, D. B., and TONKIN, J. H. B. Studies in the laboratory germination and field emergence of sugar beet seed. Int. Seed Testing Ass. Proc. 30(3):661-676. Ref. 1965. 61.9 In84P
- 65277 MAFTOUN, M. Effects of plant population and rate of placement of fertilizer on yield and nutrient uptake of corn on Leon fine sand. Diss. Abs. 26(3):1256. Sept.1965. 241.8 M58
- 65278 MAHMOUD, M. I. Protoplasmatics and drought resistance in mosses. Diss. Abs. 26(10):5676-5677. Apr.1966. 241.8 M58
- 65279 MAIER, R. H., and KNEZEK, B. D. Mineral nutrition in plants: chemical fractions of plant potassium, calcium, and magnesium as influenced by soil treatment. J. Agr. Food Chem. 14(3):268-270. Ref. May/June 1966. 381 J8223
Tomato plants.
- 65280 MAJUMDAR, D. K. Uptake of nitrogen and phosphate, seed sizes and response curves in rapeseed (*Brassica campestris* var. Brown Sarson). Indian Oilseeds J. 9(4):266-273. Oct./Dec.1965. 307.8 In22
- 65281 MALAZIAN, G. E. Histoautoradiographic studies of calcium uptake and transport across grape (*Vitis vinifera*, L.) root cortex in relation to transpiration. Diss. Abs. 26(10):5677. Apr.1966. 241.8 M58
- 65282 MANOHAR, M. S. Measurement of the water potential of intact plant tissues. I-II. J. Expt. Bot. 17(50):44-56. Ref. Feb.1966. 450 J8224
Using the thermocouple psychrometer technique.
- 65283 MANSFIELD, T. A. Responses of stomata to short duration increases in carbon dioxide concentration. Physiol. Plant. 18(1):79-84. Ref. 1965. 450 P564
Tests with *Xanthium pennsylvanicum*.
- 65284 MARANO, B. "Yellow berry" of hard wheat; tests on the cultivar Senatore Cappelli. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:85-92. 1964/65. 105.4 P83
English summary.
Physiological.
- 65285 MARTIN, W. E., and WALKER, T. W. Sulfur requirements and fertilization of pasture and forage crops. Soil Sci. 101(4):248-257. Ref. Apr.1966. 56.8 So3
- 65286 MASHKOVTSSEV, M. F., TSAPKOVA, N. A., and MOISEEVA, M. E. Destruction of nicotine by the tissues of the tobacco plant during the autolysis and hunger metabolism. 10 p. Transl. 15268
Translation from Akademiya Nauk SSSR. Doklady 98:491-494. 1954.
- 65287 MASHTAKOV, S. M., and GOL'DINA, S. M. Effect of azotobacterin and molybdenum on the intake of nutrient substances and storage of dry matter by corn grown on peat-bog soil. 41 p. Ref. (TT 64-19470) Transl. 15425
Translation from Kukuruza v BSSR 1957:204-225.
Issued by CFSTI.
- 65288 MASTALERZ, J. W. The effect of gibberellic acid on the flowering shoots of Better Times roses. Amer. Soc. Hort. Sci. Proc. 87:525-530. Dec.1965. 81 So12
- 65289 MASUDA, Y. RNA in relation to the effect of auxin, kinetin, and gibberellic acid on the tuber tissue of Jerusalem artichoke. Physiol. Plant. 18(1):15-23. Ref. 1965. 450 P564
Includes tests with 2,4-D and ribonuclease.
- 65290 MASYUK, N. P. Carbonates and bicarbonates as stimulators of growth and carotene accumulation in *Dunaliella salina* Teod. culture. (Ukr) Ukr. Bot. Zhur. 22(6):18-22. Ref. 1965. 450 J8212J
English summary.
- 65291 MASYUK, N. P. Effect of Na, Mg, Cl and SO_4 ions on the growth, reproduction and carotene formation of *Dunaliella salina* Teod. (Ukr) Ukr. Bot. Zhur. 22(5):3-11. Ref. 1965. 450 J8212J
English summary.
- 65292 MATTHEWS, J. M. Diurnal variation in the release of pollen by *Plantago lanceolata* L. Linn. Soc. New S. Wales. Proc. 90(2):231-237. 1965. 514 Sy2
- 65293 MAXIE, E. C., and others. Effect of gamma radiation on the ripening of Bartlett pears. Plant Physiol. 41(3):437-442. Ref. Mar.1966. 450 P692
N. F. Sommer, C. J. Muller, and H. L. Rae, joint authors.
- 65294 MAYR, E., and OLBRICH, E. Dependence of growth and yield of summer grain upon global radiation. (Ge) Z. Acker- Pflanzenbau 123 (4):332-344. Ref. Apr.1966. 18 J825
English summary.

- 65295 MCBRIEN, D. C. H., and HASSALL, K. A. Loss of cell potassium by *Chlorella vulgaris* after contact with toxic amounts of copper sulphate. *Physiol. Plant.* 18(4):1059-1065. Ref. 1965. 450 P564
- 65296 MCCLURE, F. A. The bamboos; a fresh perspective. Cambridge, Harvard Univ. Press, 1966. 347 p. SB317.B2M3
Bibliography, p.319-337.
Physiology, propagation, and taxonomy.
- 65297 MCDONNELL, A. J., and KOUNTZ, R. R. Algal respiration in a eutrophic environment. *Water Pollut. Contr. Fed. J.* 38(5):841-847, map. May 1966. 293.8 Se8
- 65298 MCNEE, D. A. K., and SKERMAN, P. J. Distribution of chlorides in the waters of the catchment of Macintyre Brook, southern Queensland, and their effect on tobacco production. *Queensland J. Agr. Anim. Sci.* 22(1): 39-47, map. Mar. 1965. 23 Q37
- 65299 MEIKLE, R. W., and REDEMANN, C. T. Tracer study of metabolism: tracer study of 6-chloropicolinic acid in corn. *J. Agr. Food Chem.* 14(2):159-161. Mar./Apr. 1966. 381 J8223
Metabolite of N-Serve used as nitrogen-conserving agent in soils.
- 65300 MEKHTIZADE, R. M. Fiziologiya bogarnogo vinograda [Physiology of grapes in dry areas]. Baku, Izdatel'stvo Akademii Nauk Azerbaidzhanskoi SSR, 1965. 214 p. SB397.M4
- 65301 MEL', M. I. Investigations of the connection between crop yield of spring wheat and climatic conditions of the region of cultivation. 20 p., map. Ref. Transl. 15234
Translation from Leningrad. Nauchno-Issledovatel'skii Institut Aeroklimatologii. Trudy 6:52-63. 1958.
- 65302 MENGEL, K., and SCHNEIDER, B. The K-uptake as a function of the influx rate and the cell permeability, mathematically and experimentally demonstrated by the K-uptake of young barley roots. (Ge) *Physiol. Plant.* 18(4):1105-1114. Ref. 1965. 450 P564
English summary.
- 65303 MEYER, M. M., and TUKEY, H. B. Nitrogen, phosphorus, and potassium plant reserves and the spring growth of *Taxus* [media] and *For-sythia* [intermedia]. *Amer. Soc. Hort. Sci. Proc.* 87:537-544. Ref. Dec. 1965. 81 So12
- 65304 MIGAL', N. D. Effects of pollen age of hemp on quality of hybrid seeds. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:131-132. Feb. 1966. 20 V633
- 65305 MIKHLIN, D. M., and KOLESNIKOV, P. A. The respiratory systems of plants. 21 p. Ref. Transl. 15270
Translation from *Biokhimiya* 12(5):452-464. 1947.
- 65306 MILTHORPE, F. L., and DAVIDSON, J. L. Physiological aspects of regrowth in grasses. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:241-254. Ref., p.253-254. 1965, pub. 1966. S217.E2
Literature review.
- 65307 MIRI, R. K., and BUBAR, J. S. A technique for measuring incompatibility in *Lotus corniculatus* L. *Crop Sci.* 6(1):90-91. Jan./Feb. 1966. 64.8 C883
- 65308 MITCHELL, J. W., HUTCHINS, L. M., and MARTH, P. C. Effect of greenpoint gall extracts and some regulating substances on vegetative buds of cocoa plants. *Amer. Soc. Hort. Sci. Proc.* 87:187-193. Dec. 1965. 81 So12
Triiodobenzoic acid, and gibberellic acid as the regulating substances.
- 65309 MIYABAYASHI, T. Differences in most-suitable and critical illuminating hours for rice plants in relation to their varieties. 7 p. Transl. 15891
Translation from Crop Science Society of Japan. Proceedings 15(3/4). Sept. 1944.
- 65310 MODLIBOWSKA, I. Inducing precocious cropping on young Dr. Jules Guyot pear trees with gibberellic acid. *J. Hort. Sci.* 41(2):137-144. Apr. 1966. 80 J825
- 65311 MODYLEVS'SKI, J. S., and DZYUENKO, L. K. Illegitimate pollination of heterostyle flax (*Linum grandiflorum* D E S F.) in connection with the application of physiologically active substances. (Ukr) *Ukr. Bot. Zhur.* 23(1):31-40. Ref. 1966. 450 J8212J
English summary.
Gibberellins, boric acid and 2,4-D.
- 65312 MOHAN RAM, H. Y., and DUTTA, S. In vitro culture of *Utricularia* [gibba]. *Cur. Sci.* 35 (2):48-50. Jan. 20, 1966. 475 Sci23
- 65313 MOORE, J. N., and SCOTT, D. H. Effects of gibberellic acid and blossom removal on runner production of strawberry varieties. *Amer. Soc. Hort. Sci. Proc.* 87:240-244. Dec. 1965. 81 So12
- 65314 MORAVEC, J. How long can hold out the fruit-body of *Gyromitra esculenta* (Pers. ex Fr.) in its natural place of growth. (Cz) *Mykol. Sb.* 43(1/2):27-28. Mar./Apr. 1966. 350 C27
- 65315 MORGAN, D. G. On the growth promoting properties of ethylene-bis-nitrourethane and related compounds. (Ge) *Deut. Bot. Ges. Ber.* 78(3):143-150. 1965. 451 D48
Tests with peas.
- 65316 MORTON, H. L. Influence of temperature and humidity on foliar absorption, translocation, and metabolism of 2,4,5-T by mesquite [*Prosopis juliflora*] seedlings. *Weeds* 14(2):136-141. Ref. Apr. 1966. 79.8 W41
- 65317 MUKAI, N., and KINOSHITA, S. Stimulative effect of halogenated tyrosine on root growth of rice seedling. *Plant Cell Physiol.* 6(2):161-166. June 1965. 450 P699
- 65318 MUKHERJEE, K. L., and ZABKA, G. G. Developmental stages in the laboratory culture of the homothallic Myxomycete *Didymium squamulosum*. *Mycopathol. Mycol. Appl.* 27(3/4):209-222. Ref. Dec. 1, 1965. 450 M994
- 65319 MUNK, H. Influence of phosphoric acid on the oxalic acid content of spinach. (Ge) *Phosphorsäure* 25(5/6):250-262. Ref. 1965. 57.8 P563
- 65320 MURASHIGE, T., and others. Inhibition of tobacco callus growth by ethanol. *Plant Cell Physiol.* 6(4):785-787. Dec. 1965. 450 P699
L. S. Jordan, J. D. Mann, and E. English, joint authors.
- 65321 MURATA, N., NISHIMURA, M., and TAKAMIYA, A. Fluorescence of chlorophyll in photosynthetic systems. II. Induction of fluorescence in isolated spinach chloroplasts. *Biochim. Biophys. Acta* 120(1):23-33. Ref. May 12, 1966. 381 B522
- 65322 NAGAI, T., and MATSUSHITA, E. Physio-ecological characteristics in roots of rice plants grown under different soil temperature conditions. I. Their ecological characteristics. 5 p. Transl. 14900
Translation from Crop Science Society of Japan. Proceedings 31(4). July 1963.
- 65323 NAGY, S. Methods for the analysis of phosphoinositide and effects of 2-O,C-methylene-myco-inositol on the inositol-requiring yeast, *Schizosaccharomyces pombe*. *Diss. Abs.* 26 (10):5699. Apr. 1966. 241.8 M58
- 65324 NAUMOV, P. A. Tea as a plant growth stimulant. (Rus) *Priroda [Moscow]* 3:113. 1966. 410 P933
- 65325 NAVARA, J., HOLUB, Z., and BEDATSOVA, L. Effects of fluorine on the germination of some species of seeds. *Biologia [Bratislava]* 21(2):89-98. Ref. 1966. 442.8 B5265
Field crops.
- 65326 NEUBAUER, L. W., HOYLE, B. J., and KUCERA, E. Effect of methods of storage on subsequent growth and yield of seed potatoes. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):138-140. Ref. 1965. 290.9 Am32T
- 65327 NEVINS, D. J. Influence of leaf age and nitrogen deficiency on photosynthesis in sugar beet (*Beta vulgaris* L.) leaves. *Diss. Abs.* 26(10): 5633-5634. Apr. 1966. 241.8 M58
- 65328 NEW SOUTH WALES, DEPT. OF AGRICULTURE. BIOLOGY BR. Blossom-end rot of tomatoes (non-parasitic). *Agr. Gaz. New S. Wales* 77(1), back cover. Jan. 1966. 23 N472

- 65329 NICHIPOROVICH, A. Photosynthesis and the problems of the increase of yields. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:1-12. Feb. 1966. 20 V633
Field crops.
- 65330 NIELSEN, E. S. The uptake of free CO₂ and HCO₃⁻ during photosynthesis of plankton algae with special reference to the coccolithophorid *Coccolithus huxleyi*. *Physiol. Plant.* 19(1):232-240. Ref. 1966. 450 P564
- 65331 NIGGEMANN, J. On the direct effect of the humus substances in peat on the plant. (Ge) Torfnachrichten 16(1/2):1-2. Jan./Feb. 1965. 57.8 T632
- 65332 NIKOLAYEVSKYI, V. H., NIKOLAYEVSKAYA, L. D., and FEDORENKO, L. G. Effect of the degree of soil humidification on the growth and anatomic structure of the common reed (*Phragmites communis* Trin.) under conditions of vegetational experiments. (Ukr) Ukr. Bot. Zhur. 23(1):54-58. 1966. 450 J8212J
English summary.
- 65333 NISHIMURA, M., and TAKAMIYA, A. Analyses of light-induced bacteriochlorophyll absorbance change and fluorescence emission in purple bacteria. *Biochim. Biophys. Acta* 120(1):34-44. Ref. May 12, 1966. 381 B522
Rhodospseudomonas palustris.
- 65334 NISHIMURA, M., and TAKAMIYA, A. Energy- and electron-transfer systems in algal photosynthesis. I. Actions of two photochemical systems in oxidation-reduction reactions of cytochrome in *Porphyra*. *Biochim. Biophys. Acta* 120(1):45-56. Ref. May 12, 1966. 381 B522
- 65335 NITSCH, C., and NITSCH, J. P. Effects of light on the phenylalanine deaminase induction in the tissues of tubercles of *Helianthus tuberosus* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(10):1102-1105. Ref. Mar. 7, 1966. 505 P21
- 65336 NOTTINGHAM UNIVERSITY. EASTER SCHOOL IN AGRICULTURAL SCIENCE. The growth of cereals and grasses; proceedings of the twelfth school, 1965; edited by F. L. Milthorpe and J. D. Ivins. London, Butterworths, 1966. 359 p. Ref. S217.E2
Literature reviews.
- 65337 NYMAN, B. Localization and activity of lipase in light- and dark-germinated seeds of Scots pine (*Pinus silvestris* L.). *Physiol. Plant.* 18(4):1085-1094. Ref. 1965. 450 P564
- 65338 NYMAN, B. Studies on the fat metabolism of light- and dark-germinated seeds of Scots pine (*Pinus silvestris* L.). *Physiol. Plant.* 19(1):63-75. Ref. 1966. 450 P564
- 65339 ODOM, R. E., and CARPENTER, W. J. The relationship between endogenous indole auxins and the rooting of herbaceous cuttings. *Amer. Soc. Hort. Sci. Proc.* 87:494-501. Ref. Dec. 1965. 81 S012
Chiefly ornamental plants.
- 65340 OH-HAMA, T., SHIHIRA-ISHIKAWA, I., and HASE, E. Development of photosynthetic activities during the process of chloroplast formation in *Chlorella protothecoides*. *Plant Cell Physiol.* 6(4):743-760. Ref. Dec. 1965. 450 P699
- 65341 OKUDA, M., KATO, J., and TAMURA, S. Microscopical investigation of the effect of helminthosporol on rice seedlings. *Physiol. Plant.* 19(1):152-158. 1966. 450 P564
- 65342 OLEINIKOVA, T. V. Effect of high temperature and light on permeability of protoplasm of leaf cells of spring grains. (Rus) In Tsitol. osnovy prispob. rast. k faktoram sredy 1964: 70-81. Ref. Not in Libr.
Wheat.
Abstracted in Ref. Zh. Biol. 20(sect.G):6. Oct. 1965. 241.7 R25
- 65343 OLESEN, M., and LANGKILDE, N. E. The germinativity of undeveloped seeds of *Agropyron repens* and its bearing on the purity analysis. *Int. Seed Testing Ass. Proc.* 30(3):537-545. 1965. 61.9 In84P
- 65344 O'LOUGHLIN, J. B., and CHAPMAN, R. A. Missing stalks and stem-end rots. *Tasmanian J. Agr.* 37(1):9-14. Feb. 1966. 23 T182T
Apples.
- 65345 OPPENHEIMER, C. Clonal propagation of mango through cuttings. *Cur. Sci.* 35(1):23. Jan. 5, 1966. 475 Sci23
- 65346 PAASCHE, E. The effect of 3-(p-chlorophenyl)-1,1-dimethylurea (CMU) on photosynthesis and light-dependent coccolith formation in *Coccolithus huxleyi*. *Physiol. Plant.* 18(1):138-145. Ref. 1965. 450 P564
- 65347 PAGEL, H., and KALETTA, K. H. Research on the influence of fertilizing on the development of young plants of *Coffea arabica* L. and *Coffea canephora* Pierre ex Froehner. (Ge) Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1):23-44. Ref. 1965. 26 L53
English summary.
- 65348 PALASHEV, I., and GARILOV, CH. Effect of climate of the River Veleka Valley on *Thea sinensis* L. plant. (Bu) Gorskostopanska Nauk. 1(5):33-41. 1964. 99.8 G683
French summary.
- 65349 PALMIERI, F. Tomato metabolites with acid function; influence of cultivar and environment on the glutamic and aspartic acid. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser. 3) 30:579-588. Ref. 1964/65. 105.4 P83
English summary.
- 65350 PARKER, C. The importance of shoot entry in the action of herbicides applied to the soil. *Weeds* 14(2):117-121. Ref. Apr. 1966. 79.8 W41
Using sorghum seedlings.
- 65351 PARKHURST, D. F., and GATES, D. M. Transpiration resistance and energy budget of *Populus sargentii* leaves. *Nature [London]* 210(5032):172-174. Apr. 9, 1966. 472 N21
- 65352 PASHCENKO, V. N. Photoperiodic reaction of broadbean varieties of various origin. (Rus) Fiziol. Rast. 11(6):1015-1021. Ref. 1964. 450 F58
English summary.
- 65353 PASTUKHOVA, V. M. Improvement of formation processes in the generative organs of wheat sown at an early date. (Rus) Fiziol. Rast. 12(2):351-356. 1965. 450 F58
English summary.
- 65354 PATE, J. S. Photosynthesizing leaves and nodulated roots as donors of carbon to protein of the shoot of the field pea (*Pisum arvense* L.). *Ann. Bot. (n.s.)* 30(117):93-109. Ref. Jan. 1966. 450 An7
Radioactive carbon.
- 65355 PEDERSEN, T. A., KIRK, M., and BASSHAM, J. A. Light-dark transients in levels of intermediate compounds during photosynthesis in air-adapted *Chlorella*. *Physiol. Plant.* 19(1):219-231. Ref. 1966. 450 P564
³²P labeled phosphate and CO₂ in *Chlorella pyrenoidosa*.
- 65356 PERCIVAL, M. S. Floral biology. Oxford, Pergamon Press, 1965. 243 p. Ref., p. 213-220. (The Commonwealth and International Library of Science, Technology, Engineering and Liberal Studies. Botany Division) QK653.P4
Chiefly pollination, pollinators, and floral morphology.
- 65357 PERROT, Y. The cycle of reproduction of a marine *Cladophoraceae*, *Lola implexa* Harvey, from the Roscoff region. (Fr) Acad. Sci. Compt. Rend. 261(2):503-506. July 12, 1965. 505 P21
- 65358 PETERKEN, G. F., and NEWBOULD, P. J. Dry matter production by *Ilex aquifolium* L. in the New Forest. *J. Ecol.* 54(1):143-150. Ref. Mar. 1966. 450 J829
- 65359 PICARD, C., and REZARD, D. Contribution to knowledge concerning the vernalization of *Digitalis purpurea* L. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):95-97. Jan. 3, 1966. 505 P21
- 65360 PILET, P. E. Action of traumatic acid on the growth, the auxin catabolism and the auxin content. *Physiol. Plant.* 18(4):1121-1129. Ref. 1965. 450 P564
In lentils.
- 65361 PLISZKA, K. The response of three varieties of strawberries to DCPA and diphenamid. *Diss. Abs.* 26(10):5634. Apr. 1966. 241.8 M58

- 65362 PQBEGAILO, A. I. Effects and aftereffects of minor elements on some physiological processes in trees. (Rus) In *Mikroelementy v zhizni rast., zhivotnykh i cheloveka* 1964:113-118. Nov in Libr.
Populus.
Abstracted in Ref. Zh. Biol. 22(sect.G):7. Nov.1965. 241.7 R25
- 65363 POLLOCK, B. M., and TOOLE, V. K. Imbibition period as the critical temperature sensitive stage in germination of lima bean seeds. *Plant Physiol.* 41(2):221-229. Ref. Feb.1966. 450 P692
- 65364 POLYANSKAYA, L. A. Relation between content of riboflavin with heat resistance and early maturity of cotton. (Rus) *Akad. Nauk Turkmenskoi SSR. Izv. Ser. Biol. Nauk* 6:9-14. 1964. 442.9 Ak124
Abstracted in Ref. Zh. Biol. 20(sect.G):6. Oct.1965. 241.7 R25
- 65365 POPE, T. E., and BAUM, B. L. Effects of cooling method and phosfon on *Lilium longiflorum* Georgia. *Amer. Soc. Hort. Sci. Proc.* 87: 510-514. Dec.1965. 81 So12
- 65366 POPOV, C., and BAKURDJIEVA, N. Increase in stability of pigment protein complex in leaves and isolated chloroplasts, influenced by manganese, nickel and copper. *Bulgarska Akad. Nauk. Dokl.* 18(7):655-658. Ref. 1965. 512 So2
Wheat.
- 65367 POWELL, J. R. Some physiological aspects of growth and reproduction in *Saprolegnia parasitica* Coker. *Diss. Abs.* 26(10):5679. Apr. 1966. 241.8 M58
- 65368 PRATT, L. H., and BRIGGS, W. R. Photochemical reactions of phytochrome in vivo. *Plant Physiol.* 41(3):467-474. Ref. Mar.1966. 450 P692
Of corn seedlings.
- 65369 PRIKRYL, K. A contribution to the study of changes in the growing tops of summer barley capable of utilization of nutrients of a high volume of fertilizers. (Cz) *Czech. Min. Zemedel. Les Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(11):1195-1204. Nov. 1965. 64.9 C33
English summary.
- 65370 PRIKRYL, K. Relation between the nutrient ratio in the plant, tillering, and the formation in summer barley. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(11):1229-1238. Ref. Nov.1965. 64.9 C33
English summary.
- 65371 PRIKRYL, K. Study of the dynamics of the growth and of the development of spring barley. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(11):1205-1228. Ref. Nov. 1965. 64.9 C33
English summary.
- 65372 PROTASONI, F. Tests of plant toxicity of sodium chlorate, sodium metaborate, and their mixtures. (It) *Agricoltura* 14(2):97-102. Feb.1965. 16 Ag8226
- 65373 PROTOPOVA, E. M., and KUBLIK, L. N. Reversal of radiation after-effect in plant cells. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 24(6,pt.2):T1038-T1040. Nov./Dec.1965. 442.9 F31P
Barley seeds subjected to gamma radiation.
Translation from *Radiobiologiya* 4(6):878. 1964.
- 65374 PROTSKO, R. F., and DUDCHENKO, L. G. Mechanism of gibberellin action; gibberellin and the systems of ascorbic acid and glutathione. (Ukr) *Ukr. Bot. Zhur.* 21(6):3-9. Ref. 1964. 450 J8212J
English summary.
In pea shoots.
- 65375 PURVES, W. K. Monovalent cations and growth regulation. I. Growth responses in cucumber hypocotyl segments. *Plant Physiol.* 41(2):230-233. Ref. Feb.1966. 450 P692
- 65376 RACITI, G. Minor elements and related deficiencies. (It) *Agricoltura* 14(6):32-39. June 1965. 16 Ag8226
In citrus.
- 65377 RADERSMA, S. C., and PERDOK, E. A. How to obtain optimal results with the Gentner fluorescence test. *Int. Seed Testing Ass. Proc.* 30(3):637-645. Ref. 1965. 61.9 In84P
Germination tests in *Lolium perenne* and *L. multiflorum* seeds.
- 65378 RAJAN, A. K. The effect of root temperatures on water and sulphate absorption in intact sunflower plants. *J. Expt. Bot.* 17(50):1-19. Ref. Feb.1966. 450 J8224
- 65379 RANGASWAMY, N. S., and RANGAN, T. S. Effects of seed germination-stimulants on the witchweed *Striga euphrasioides* (Vahl) Benth. *Nature [London]* 210(5034):440-441. Apr.23, 1966. 472 N21
- 65380 RAO, I. V. S., and RAO, D. V. K. Ionic effects and interactions of phosphorus and molybdenum in rice. *Andhra Agr. J.* 12(6):187-197. Ref. 1965. 34.2 An4
- 65381 RAPPAPORT, L., BLUMENTHAL-GOLD-SCHMIDT, S., and HAYASHI, F. Choice of bioassay in assessing activity of endogenous growth substances. *Plant Cell Physiol.* 6(4): 609-614. Ref. Dec.1965. 450 P699
Potatoes.
- 65382 RAPPAPORT, L., and others. Regulation of bud rest in tubers of potato *Solanum tuberosum* L. I. Effect of growth substances on excised potato buds. *Plant Cell Physiol.* 6(4):587-599. Ref. Dec.1965. 450 P699
S. Blumenthal-Goldschmidt, M. D. Clegg, and O. E. Smith, joint authors.
- 65383 RASMUSSEN, P. M. The effect of different nutrient sprays on the keeping quality of apples. (Da) *Tidsskr. Planteavl* 69(4):532-537. 1966. 11 T439
English summary.
- 65384 RATHJE, W. Radioactive tracing of sucrose in sugar beet. (Ge) *Z. Zuckerindus.* 15(9):505-506. Sept.20,1965. 65.8 D48
English summary.
Radioactive carbon in glucose was sprayed on plants in field.
- 65385 RATSIMAMANGA, A. R., MONDAIN-MONVAL-GERONDEAU, M., and DIOT, J. Interaction of ascorbic acid and cortisone on the growth of the seedlings of *Ervum lens*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(7):756-758. Ref. Feb.14,1966. 505 P21
- 65386 REDDY, D. B., and KAPOOR, S. P. Borax is the answer for mango black-tip. *Indian Farming* 15(5):13-14. Aug.1965. 22 In283
- 65387 REHDER, H. Types of climate on the maps of the Alps in Klimadiagramm-Weltatlas (Walter and Leith) and their relation to the vegetation. (Ge) *Flora [Jena] Abt. B, Morphol. Geobot.* 156(1):78-93, map. Ref. Oct.20,1965. 450 F66
- 65388 REID, C. P. P. A simple device for uniform transfer of fungus inoculum. *Plant Dis. Rep.* 50(5):345. May 1966. 1.9 P69P
Tests with mycorrhizal fungi cultures.
- 65389 REINHARDT, D. J. Silica gel as a preserving agent for the cellular slime mold *Acrasis rosea*. *J. Protozool.* 13(2):225-226. May 1966. 439.8 J82
- 65390 REMER, N. The carrot. (Ge) *Lebendige Erde* 3:120-122. May/June 1965. 18 L49
Plant physiology and nutritive value.
- 65391 REVELLE, R. The fragile breath of life: how it came to be: the role of the oceans. *Saturday Rev.* 49(19):39-41. May 7,1966. 110 Sa82
Includes discussion of carbon dioxide and photosynthesis in evolution.
- 65392 RICE, E. L. Inhibition of nitrogen-fixing and nitrifying bacteria by seed plants. II. Characterization and identification of inhibitors. *Physiol. Plant.* 18(1):255-268. Ref. 1965. 450 P564
Tests with weeds *Ambrosia elatior* and *Euphorbia corollata* and with sunflowers.
- 65393 RIVERO, J. M. DEL. Nutritional factors with relation to the effects of cold on citrus. (Sp) *Rev. Agroquim. Tecnol. Aliment.* 5(1):75-78. Jan./Mar.1965. 389.8 R324

- 65394 RIVERO, J. M. DEL, and VEYRAT, P. Prolongation of the dormancy period in citrus with maleic hydrazide for prevention of late frosts. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):69-74. Ref. Jan./Mar.1965. 389.8 R324
- 65395 ROBINSON, F. E., and MCCOY, O. D. The effect of sprinkler irrigation with saline water and rates of seeding on germination and growth of lettuce. Amer. Soc. Hort. Sci. Proc. 87: 318-323. Dec.1965. 81 S012
- 65396 RODIONOV, V. K. Effect of cucumber and pumpkin seed treatment on their yields. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:103-105. Mar.1966. 20 V633
- 65397 ROSATI, P. Refrigerated storage of strawberry plants in polyethylene sacks. (It) Agricoltura 15(3):58-60. Mar.1966. 16 Ag8226
Physiological aspects.
- 65398 ROSENBERG, J. L. Photosynthesis. New York, Holt, Rinehart & Winston, 1965. 126 p. Ref. QK882.R6
- 65399 ROUTCHENKO, W., and LUBET, E. The role of cation balance and of all the principal cations in solving the ammonia toxicity phenomenon in young plants of Zea mays. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(2):281-284. Jan.10,1966. 505 P21
- 65400 RUDAKOV, V. E. New confirmations of some regularities of tree transpiration. (Ukr) Ukr. Bot. Zhur. 22(5):31-37. Ref. 1965. 450 J8212J
English summary.
- 65401 RUER, P. Mineral deficiencies in young palms cultivated in plant containers. (Fr) Oleagineux 21(1):5-8. Jan.1966. 77.8 OL2
English summary.
- 65402 RUER, P. Relationships between climatic factors and mineral nutrition in the oil palm. (Fr) Oleagineux 21(3):143-148. Mar.1966. 77.8 OL2
English summary, p. XXXVII.
- 65403 RUGGIERI, G. Nutritional requirements and fertilizing. (It) Agricoltura 14(6):21-31. June 1965. 16 Ag8226
Citrus.
- 65404 RUSSO, F. The use of plant hormones. (It) Agricoltura 14(6):39-44. June 1965. 16 Ag8226
In citrus culture.
- 65405 RUSTEN, A. Micronutrients. (No) Arsskr. Norske Skogplantesk, 1965:67,69-71,73-76. Ref. 1966. 99.9 N8122
Minor element deficiency of plants.
- 65406 RVACHEV, V. P., GUMINETSKII, S. G., and SHUL'GIN, I. A. Absorption dynamics of near infra-red radiation by plant leaves. (Rus) Akad. Nauk SSSR. Dokl. 167:1401-1404. 1966. 511 P444A
- 65407 RVACHEV, V. P., and PALAMARYUK, V. E. Calculation of the quantum yield of photosynthesis. (Rus) Fiziol. Rast. 12(2):371-374. Ref. 1965. 450 F58
English summary.
- 65408 RYLE, G. J. A. Physiological aspects of seed yield in grasses. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:106-118. Ref. 1965, pub.1966. S217.E2
Literature review.
- 65409 SAFIN, M. K., and DEMCHENKO, V. E. Investigations of nuclear injuries and inhibition of growth in 14- and 28-chromosome rye forms by irradiation with fast neutrons. (Ukr) Ukr. Bot. Zhur. 22(6):30-35. Ref. 1965. 450 J8212J
English summary.
- 65410 SAHLSTROM, H. Treatment of the Christmas star [Euphorbia pulcherrima Wild.] with CCC. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:44-48. 1965. 11 Up62A
- 65411 SAKAGUCHI, T. Effect of various anions on the transport of strontium within plants. Plant Cell Physiol. 6(4):581-585. Dec.1965. 450 P699
Radioactive strontium in peas and beans.
- 65412 SAKAI, A. Temperature fluctuation in wintering trees. Physiol. Plant. 19(1):105-114. 1966. 450 P564
- 65413 SAKO, M. Magnesium deficiency of paddy rice with reference to its prevention. 14 p. Transl. 14734
Translation from Agriculture and Horticulture 31(1):148-150. 1956.
- 65414 SAKURAI, H., NISHIMURA, M., and TAKAMIYA, A. Studies on photophosphorylation. I. Two-step excitation kinetics of photophosphorylation. Plant Cell Physiol. 6(2):309-324. Ref. June 1965. 450 P699
Of spinach chloroplasts.
- 65415 SALCHEVA, G. Frost hardness of plants. (Bu) Priroda [Sofia] 13(6):13-18. Nov./Dec. 1964. 410 P934
- 65416 SAMBANDAM, R., RAJAGOPALAN, C. K., and DEVAKUMAR, J. P. A note on the quality of pods in vegetable cowpea. Madras Agr. J. 52 (1):35-36. Jan.1965. 22 M262
Physiology.
- 65417 SAMOILOVA, K. A., MITYUSHOVA, N. M., and MALINOVSKII, O. V. Variation in yeast cells' sensitivity to ultraviolet rays, as dependent on the phase of growth and aeration conditions. (Rus) Akad. Nauk SSSR. Dokl. 166:1230-1232. Ref. 1966. 511 P444A
- 65418 SAMUILOV, F. D. A study of the relationship between respiration and water metabolism in maize plants with help of heavy water (D₂O). (Rus) Fiziol. Rast. 12(2):226-237. Ref. 1965. 450 F58
English summary.
- 65419 SANADZE, G. A. C₅H₈ excretion by leaves, as related to oxygen pressure in the air. (Rus) Akad. Nauk SSSR. Dokl. 167:714-716. 1966. 511 P444A
Populus nigra.
- 65420 SAPOZHNIKOV, D. I., and others. Participation of xanthophylls in oxygen transfer during photosynthesis. 7 p. Ref. (JPRS 24,904; OTS 64-31395) Transl. 14286
D. G. Alkhazov, Z. M. Eidel'man, N. V. Bazhanova, I. Kh. Lemberg, T. G. Maslova, A. B. Girshin, I. A. Popova, V. S. Saakov, O. F. Popova, and G. A. Shiryaeva, joint authors.
Translation from Akademiya Nauk SSSR. Doklady 154(4):974-977. 1964. CFSTI: \$0.50.
- 65421 SARIC, M., and VERESBARANJI, I. Metabolism of phosphorus in seedlings of different wheat varieties in relation to the temperature. (Se) Savremena Poljoprivreda 13(6):495-502. June 1965. 21 P75
English summary.
- 65422 SASAKI, K., TAKAYA, K., and ONODA, T. Metabolism of Spirogyra during the conjugation process. Nature [London] 209(5027):1042. Mar.5,1966. 472 N21
- 65423 SASAKI, S., and KOZLOWSKI, T. T. Influence of herbicides on respiration of young Pinus [resinosa] seedlings. Nature [London] 210 (5034):439-440. Apr.23,1966. 427N21
- 65424 SAVITSKAYA, N. N. Free amino acids in barley plants under conditions of soil water deficiency. (Rus) Fiziol. Rast. 12(2):349-350. Ref. 1965. 450 F58
- 65425 SCHAFFER, G. W., and STEFFENS, G. L. Azauracil and related nucleic acid analogs as inhibitors of axillary bud growth in tobacco. Tobacco [New York] 161(23):30-32. Dec.3,1965. 286.8 T552
- 65426 SCHLUTER, M. The effects of some fungicides and herbicides on fresh water algae under laboratory conditions. (Ge) Z. Fisch. (n.s.)13 (3/4):303-315. Ref. Nov.1965. 414.8 Z3
English summary.
- 65427 SCHMIDT, R. E. Some physiological responses of two grasses as influenced by temperature, light, and nitrogen fertilization. Diss. Abs. 26 (10):5634. Apr.1966. 241.8 M58
Cynodon dactylon and Agrostis palustris.
- 65428 SCHMUTZ, W. Results of cooperative winter hardness tests with wheat 1963/64. (Ge) (Extr.) Bayer. Landwirt. Jahrbuch 42(3):368-373. 1965. 18 L24

- 65429 SCHOLANDER, P. F., and others. Sap concentrations in halophytes and some other plants. *Plant Physiol.* 41(3):529-532. Ref. Mar.1966. 450 P692
E. D. Bradstreet, H. T. Hammel, and E. A. Hemmingsen, joint authors.
Effects of pressure.
- 65430 SCHONBOHM, E. The influence of polarized red and far-red light on the negative phototaxis of *Mougeotia* chloroplasts. (Ge) *Z. Pflanzenphysiol.* 53(4):344-355. Ref. Nov.1965. 450 Z32
English summary.
- 65431 SCHREIBER, K., SCHNEIDER, G., and SEMBDNER, G. Gibberellins. IX. Epoxydation of some gibberellins. (Ge) *Tetrahedron* 22(4):1437-1444. Ref. Apr.1966. 382 T29
English summary.
- 65432 SCHROEDER, H. W. Effect of corn steep liquor on mycelial growth and aflatoxin production in *Aspergillus parasiticus*. *Appl. Microbiol.* 14(3):381-385. May 1966. 448.3 Ap5
- 65433 SCHUTZ, E. Short-day treatment of *Tagetes erecta* for early blooming. (Sw) *Weibulls Allehanda* 25:9-11. 1965. 80 W42
- 65434 SCHUYTEMA, E. C., and others. Isolation, characterization, and growth of Basidiomycetes. *Biotechnology Bioeng.* 8(2):275-286. May 1966. 381 J8224
M. P. Hargie, I. Merits, J. R. Schenck, D. J. Siehr, M. S. Smith, and E. L. Varner, joint authors.
Cultures.
- 65435 SEELEY, J. G., and WEISE, A. H. Photoperiodic response of garden and greenhouse *Chrysanthemums*. *Amer. Soc. Hort. Sci. Proc.* 87: 464-471. Ref. Dec.1965. 81 So12
- 65436 SEILLAC, P. Preliminary research on the culture of young maritime pine plants on liquid culture media. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1094-1097. Mar.7,1966. 505 P21
- 65437 SEMERDZIEVA, M., and CEJP, K. Investigation of mycelial growth in some gill fungi under laboratory conditions. *Folia Microbiol.* 2(2): 146-154. Ref. 1966. 448.3 C332
Agaricaceae.
- 65438 SEMIKHATOVA, O. A. Intensity and dynamics of photosynthesis of young corn leaves depending on time kept under high temperatures. (Rus) In *Tsitol. osnovy prispob. rast. k faktoram sredy 1964:55-59*. (Not in NAL)
Abstracted in Ref. Zh. Biol. 20(sect.G):5. Oct. 1965. 241.7 R25
- 65439 SEMIKHATOVA, O. A., and CHULANOVSKAYA, M. V. Manometricheskie metody izucheniya dykhaniya i fotosinteza rastenii [Manometric methods in study of respiration and photosynthesis in plants]. Moskva, Nauka, 1965. 168 p. Ref., p.158-160. QK891.S4
- 65440 SGAIER, K. The effect of self-and-cross-fertilization on seed set and vegetative vigor of the progeny in alfalfa. *Diss. Abs.* 26(3):1270-1271. Sept.1965. 241.8 M58
- 65441 SHAH, C. B., and LOCMIS, R. S. Ribonucleic acid and protein metabolism in sugar beet during drought. *Physiol. Plant.* 18(1):240-254. Ref. 1965. 450 P564
- 65442 SHAH, J., and MAXIE, E. C. Ethylene formation in pea epicotyl tissues following irradiation with gamma-rays from ⁶⁰Co. *Physiol. Plant.* 18(4):1115-1120. Ref. 1965. 450 P564
- 65443 SHARDAKOV, V. Determination of the absorptive power of leaves by the liquid float method. 4 p. *Transl.* 14473
In relation to osmosis.
Translation from *Akademiya Nauk Uzbekskoi SSR. Doklady* 5:32-34. 1951.
- 65444 SHARMA, R. P. The radiosensitizing effects of N-ethylmaleimide on *Vicia faba*. *Curr. Sci.* 35 (1):21-22. Jan.5,1966. 475 Sci23
- 65445 SHETTY, A. S., and MILLER, G. W. Influence of iron chlorosis on pigment and protein metabolism in leaves of *Nicotiana tabacum* L. *Plant Physiol.* 41(3):415-421. Ref. Mar.1966. 450 P692
- 65446 SHEVELUKHA, V., and MOKHINA, E. Formation of corn yields in the non-chernozem zone. (Rus) *Vestnik Sel'skokhoz. Nauk.* [Moscow] 2: 53-57. Feb.1966. 20 V633
English summary.
Effects of temperature.
- 65447 SHEVYAKOVA, N. I. Influence produced by salts on the biosynthesis of certain sulfur-containing amino acids in leaves of *Vicia faba*. (Rus) *Akad. Nauk SSSR. Dokl.* 167:471-473. Ref. 1965. 511 P444A
- 65448 SHIBLES, R. M., and WEBER, C. R. Interception of solar radiation and dry matter production by various soybean planting patterns. *Crop Sci.* 6(1):55-59. Ref. Jan./Feb.1966. 64.8 C883
- 65449 SHIBUYA, I., and HASE, E. Degradation and formation of sulfolipid occurring concurrently with de- and re-generation of chloroplasts in the cells of *Chlorella protothecoides*. *Plant Cell Physiol.* 6(2):267-283. Ref. June 1965. 450 P699
- 65450 SHIMOYA, C. Microsporogenese em cacaueiro "Catongo" (*Theobroma cacao* L.) [Microsporogenesis in "Cataongo" cacao (*Theobroma cacao* L.)]. *Experientiae* 5(1),16 p. Ref. Jan.1965. 102.5 Ex7
English summary.
- 65451 SHONE, M. G. T., and BARBER, D. A. The initial uptake of ions by barley roots. I-II. *J. Expt. Bot.* 17(50):78-95. Ref. Feb.1966. 450 J8224
- 65452 SHRIFT, A. Methionine transport in *Chlorella vulgaris*. *Plant Physiol.* 41(3):405-410. Ref. Mar.1966. 450 P692
- 65453 SHROPSHIRE, W., and GETTENS, R. H. Light induced concentration changes of adenosine triphosphate in *Phycomyces [blakesleeanus]* sporangioophores. *Plant Physiol.* 41(2):203-207. Ref. Feb.1966. 450 P692
- 65454 SHUKHTINA, G. G. Effect of repeated hardening treatment on heat resistance of plant cells. (Rus) In *Tsitol. osnovy prispob. rast. k faktoram sredy 1964:26-30*. (Not in NAL)
Dactylis glomerata and *Carex rostrata*.
Abstracted in Ref. Zh. Biol. 20(sect.G):5. Oct.1965. 241.7 R25
- 65455 SHUL'GIN, I. A. The effect of spectral composition and intensity of light on the development of plants cultivated at various photoperiods. (Rus) *Fiziol. Rast.* 12(2):289-300. Ref. 1965. 450 F58
English summary.
- 65456 SINGH, A., and MEHDI, V. Seed viability test with 2,3,5, tetrazolium bromide. *Cur. Sci.* 35 (3):77. Feb.5,1966. 475 Sci23
- 65457 SINGH, D. J. C. Mode of action of simazine [2-chloro-4,6-bisethylamino-S-triazine] in wheat and sunflower. *Andhra Agr. J.* 12(6): 220-221. 1965. 34.2 An4
- 65458 SIROIS, J. C., and PARUPS, E. V. Studies on the effect of gibberellic acid on some endogenous growth regulators of tobacco. *Physiol. Plant.* 18(1):70-78. Ref. 1965. 450 P564
- 65459 SKORIC, D., STANACEV, S., and STARCEVIC, L. The effect of minerals on the germination and seedlings of oil plants. (Se) *Savremena Poljoprivreda* 13(12):1023-1038. Dec.1965. 21 P75
English summary.
- 65460 SKRIPCHINSKII, VI. V. Germination of the seeds of some species of perennial ornamental plants indigenous to the Stavropol Territory. (Rus) *Bot. Zhur.* [Moscow] 51(4):553-557. Apr. 1966. 451 R923
- 65461 SLAVIK, B. Response of grasses and cereals to water. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:227-240. Ref., p. 238-240. 1965, pub.1966. S217.E2
Literature review.
- 65462 SLOBBE, A. Fruit set of melons. (Du) *Groenten Fruit* 21(41):1853. Apr.27,1966. 80 G89
- 65463 SMILEY, J. H., ATKINSON, W. O., and MAS-SIE, I. E. Manganese toxicity in Burley tobacco. Ky. Univ. Ext. Leaf. 286,6 p.-folder. Feb. 1966. 275.29 K415Le

- 65464 SMIRNOV, I. V. A study of temperature conditions optimal for a thermophilous strain of *Chlorella*. (Rus) Akad. Nauk SSSR. Dokl. 167: 1405-1408. Ref. 1966. 511 P444A
- 65465 SOBOLEVA, L. E. The effect of insufficient illumination on the growth and development of swardflats (*Iris* spp.) of Turkmenia. (Rus) Bot. Zhur. [Moscow] 51(4):570-577. Ref. Apr. 1966. 451 R923
- 65466 SOEMARWOTO, O., and JACOBSON, L. The role of respiration in salt absorption. *Physiol. Plant.* 18(4):1077-1084. Ref. 1965. 450 P564 In barley.
- 65467 SOMOS, A., TARJANYI, F., and TARJANYI, MRS. S. ZS. The changes in the growth and development of redpepper owing to potassium. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):5-19. 1965. 80 B85 English summary.
- 65468 SOUNDRAPANDIAN, G., BALASUBRAMANIAM, G., and SUNDARARAJ, D. D. Germination standard for some green manure seeds. *Indian Farming* 15(11):15-16. Feb. 1966. 22 In283 *Sesbania speciosa*, *S. aculeata*, and *Crotalaria juncea*.
- 65469 SPIRIDONOVA, N. S. Effect of ascorbic acid on translocation of water in plants. (Rus) Fiziol. Rast. 12(2):340-341. Ref. 1965. 450 F58 Corn and peas.
- 65470 SPREAFICO, L. Injured seeds, germination and abnormal seedlings in wheat. *Int. Seed Testing Ass. Proc.* 30(3):727-736. 1965. 61.9 In84P
- 65471 SPRENT, J. I. Role of the leaf in flowering of late pea varieties. *Nature* [London] 209(5027): 1043-1044. Mar. 5, 1966. 472 N21
- 65472 SPRINGER, E. Effects of continuous and periodical variations in water supply on growth of vegetable seedlings in peat. (Ge) *Torfnachrichten* 16(11/12):21-22. Nov./Dec. 1965. 57.8 T632
- 65473 SPRINGER, E., and VOIGT, U. Effects of formation of algae in the peat substratum on the growth of plants in clay and plastic pots. (Ge) *Torfnachrichten* 16(1/2):4. Jan./Feb. 1965. 57.8 T632 *Cyclamen*.
- 65474 SPRINGER, E. Influence of peat sowing substrate and germination speed on the development of vegetable seedlings. (Ge) *Torfnachrichten* 16(7/8):15-16. July/Aug. 1965. 57.8 T632 *Lettuce*.
- 65475 STALFELT, M. G. The relation between the endogenous and induced elements of the stomatal movements. *Physiol. Plant.* 18(1):177-184. Ref. 1965. 450 P564 Tests with broadbeans and *Ranunculus repens*.
- 65476 STANFIELD, B., ORMROD, D. P., and FLETCHER, H. F. Response of peas to environment. II. Effects of temperature in controlled-environment cabinets. *Can. J. Plant Sci.* 46(2):195-203. Ref. Mar. 1966. 450 C16
- 65477 STANFORD, G., and JORDAN, H. V. Sulfur requirements of sugar, fiber, and oil crops. *Soil Sci.* 101(4):258-266. Ref. Apr. 1966. 56.8 So3
- 65478 STANLEY, R. G., and LINSKENS, H. F. Protein diffusion from germinating pollen. *Physiol. Plant.* 18(1):47-53. Ref. 1965. 450 P564 Studies on the incompatibility reactions using *Petunia* pollen.
- 65479 STODDART, J. L. Studies on the relationship between gibberellin metabolism and daylength in normal and non-flowering red clover (*Trifolium pratense* L.). *J. Expt. Bot.* 17(50):96-107. Feb. 1966. 450 J8224 Tests with tritiated gibberellic acid.
- 65480 STOSKOPE, N. C., and KLINCK, H. R. Temperature variations in the microclimate of oats. *Can. J. Plant Sci.* 46(2):155-162. Ref. Mar. 1966. 450 C16
- 65481 STURM, H. More stable wheat. (Ge) *Lohnunternehmen Land-Forstwirtschaft*. 21(3):63-64, 66. Mar. 15, 1966. 58.8 D81 Effects of cycocel spraying on hardness and yield.
- 65482 SUGE, H., and YAMADA, N. Flower-promoting effect of gibberellin in winter wheat and barley. *Plant Cell Physiol.* 6(2):147-160. Ref. June 1965. 450 P699
- 65483 SUNDARARAJ, D. D., BALASUBRAMANIAN, G., and SOUNDRAPANDIAN, G. Standard of germination in *Abelmoschus esculentus* Linn. (bhendai or okra). *Madras Agr. J.* 52(1):10-12. Jan. 1965. 22 M262
- 65484 SUSOR, W. A., and KROGMANN, D. W. Triphosphopyridine nucleotide photoreduction with cell-free preparations of *Anabaena variabilis*. *Biochim. Biophys. Acta* 120(1):65-72. Ref. May 12, 1966. 381 B522
- 65485 SVERCHKOV, A. N. Effect of freshly-cut shoots of arboreal and indoor plants on ionization of the air. (Ukr) *Ukr. Bot. Zhur.* 22(5):38-43. Ref. 1965. 450 J8212J English summary.
- 65486 SYONO, K. Changes in the response of carrot root calluses to the root extract occurring during their successive cultures. *Plant Cell Physiol.* 6(2):285-300. Ref. June 1965. 450 P699
- 65487 SZALAI, I. Quantitative change of native gibberellin substances in new potato tubers stimulated with rindite. (Ge) *Acta Biol. N. S.* 11(1/2):101-106. Ref. 1965. 442.8 Ac86
- 65488 SZALAI, I. Refraction of dormancy of *Fraxinus* seeds by gibberellic acid. (Ge) *Acta Biol. N. S.* 11(1/2):93-100. Ref. 1965. 442.8 Ac86
- 65489 SZUROCZKI, Z. Distribution of sunlight energy on the vine stock and some of its microclimatic and physiological effects. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):183-200. 1965. 80 B85 English summary.
- 65490 TABER, W. A., and SIEPMANN, R. Comparison of growth and primary shunt product formation by *Claviceps purpurea* cultured on succinic acid and glucose as carbon sources. *Appl. Microbiol.* 14(3):320-327. Ref. May 1966. 448.3 Ap5
- 65491 TAGI-ZADE, A. KH., and others. Effect of petroleum growth substance on the chemical composition and carbohydrate metabolism of grapes. (Rus) *Azerb. Un-t. Ser. Biol. N. Uch. Zap.* 2:41-52. 1964. Not in Libr. S. Ts. Omarov, S. F. Agakishbekov, and P. Safaraliev, joint authors. Cited in Ref. *Zh. Biol. Khim.* 19:116. Oct. 10, 1965. 241.7 R252
- 65492 TAINTON, N. M., and BOOYSEN, P. DE V. Growth and development in perennial veld grasses. II. *Hyparrhenia hirta* tillers under various systems of defoliation. *So. Afr. J. Agr. Sci.* 8(3):745-760. Sept. 1965. 24 Su3
- 65493 TAL, D., and MONSELISE, S. P. Corky (silver) spots on the rind of citrus fruits. *Israel J. Agr. Res.* 15(2):73-81. Ref. Apr. 1965. 107 J552 *Shamouti* oranges and *Marsh* grapefruit.
- 65494 TALLING, J. F. Photosynthetic behavior in stratified and unstratified lake populations of a planktonic diatom. *J. Ecol.* 54(1):99-127. Ref. Mar. 1966. 450 J829
- 65495 TANNER, W., and BEEVERS, H. The competition between the glyoxylate cycle and the oxidative breakdown of acetate in *Ricinus* [communis] endosperm. II. The effect of NH_4 and uncoupler on the metabolism of endosperm slices. *Z. Pflanzenphysiol.* 53(2):126-139. Ref. Aug. 1965. 450 Z32 Include radioactive carbon.
- 65496 TETENYI, MRS. P. Physiological effect of treatments breaking the state of rest of apricot seeds. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):105-118. Ref. 1965. 80 B85 English summary. Gibberellin effect.
- 65497 THOMAS, R. L. The influence of seed weight on seedling vigour in *Lolium perenne*. *Ann. Bot. (n.s.)* 30(117):111-121. Ref. Jan. 1966. 450 An7

- 65498 THOMPSON, C. R., STOLZY, L. H., and TAYLOR, O. C. Effect of soil suction, relative humidity and temperature on apparent photosynthesis and transpiration of rough lemon (*Citrus jambhiri*). Amer. Soc. Hort. Sci. Proc. 87:168-175. Dec.1965. 81 So12
- 65499 THOMPSON, L. M. Weather variability and the need for a food reserve. Iowa. State Univ. Sci. Technol. Cent. Agr. Econ. Develop. CAED Rep. 26,101 p. 1966. 281.9 Io93
Comparison of effects of weather and technology on corn and soybean yields; includes grain policy and storage.
- 65500 THORNE, G. N. Physiological aspects of grain yield in cereals. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:88-105. Ref.,p.103-105. 1965, pub.1966. S217.E2
- 65501 TIFFIN, L. O. Iron translocation. II. Citrate iron ratios in plant stem exudates. Plant Physiol. 41(3):515-518. Mar.1966. 450 P692
- 65502 TINGA, J. H. The effect of gases on rooting of carnations. Amer. Soc. Hort. Sci. Proc. 87: 453-457. Ref. Dec.1965. 81 So12
- 65503 TIRELLI, M. The death of the grain seed. (It) Molini Ital. 16(5):176-179. May 1965. 298.8 M73
- 65504 TIZIO, R. Abnormal growth of the root system and tuberisation of potatoes. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):98-99. Jan.3, 1966. 505 P21
- 65505 TIZIO, R. Interaction of radicular factor and gibberellic acid on the growth of stolons and on tuberosity. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(7):767-770. Feb.14,1966. 505 P21
In potatoes.
- 65506 TOMOVA, N., DECHEV, G., and SECENSKA, M. Light-induced consumption of molecular oxygen from isolated chloroplasts in the presence of potassium cyanide. Bulgarska Akad. Nauk. Dokl. 18(7):675-678. Ref. 1965. 512 So2
Spinach and peas.
- 65507 TOMOVA, N. G., EVSTIGNEEVA, Z. G., and KRETOVICH, W. L. Assimilation of nitrate and ammonium nitrogen by *Chlorella pyrenoidosa* Pringsheim 82T. (Rus) Fiziol. Rast. 11(6): 988-997. Ref. 1964. 450 F58
English summary.
- 65508 TOMPKINS, D. R. Rhubarb rest period as influenced by chilling and gibberellin. Amer. Soc. Hort. Sci. Proc. 87:371-379. Ref. Dec. 1965. 81 So12
- 65509 TORFS, P. Effect of the growth inhibitor CCC on greenhouse tomatoes. (Fl) Tuinbouwberichten 29(10):424-425. Oct.1965. 80 T817
- 65510 TREGUNNA, B. Flavin mononucleotide control of glycolic acid oxidase and photorespiration in corn leaves. Science 151(3715):1239-1241. Ref. Mar.11,1966. 470 Sci2
Includes effects on wheat and oats.
- 65511 TRINH-THUONG-MAI, and others. The influence of irrigation on the development and growth of summer rice varieties. Khoa Hoc Ky Thuat Nong Nghiep 42(6):338-344. June 1965. 22.5 K52
Ha-Hoc-Ngo, Nguyen-Van-Tuat, Phan-Qua, Hoang-Ngoc-Hot, joint authors.
Text in Vietnamese.
French summary.
- 65512 TRUDGIAN, K. G. Effects of alpha naphthalene acetic acid on fruiting patterns and yield of irrigated cotton in central Queensland. Queensland J. Agr. Anim. Sci. 22(1):49-58. Ref. Mar. 1965. 23 Q37
- 65513 TRUELSEN, T. A., and GALSTON, A. W. Changes in growth, auxin- and ribonucleic acid metabolism in wheat coleoptile sections following pulse treatment with indole-3-acetic acid. Physiol. Plant. 19(1):167-176. Ref. 1966. 450 P564
- 65514 TSITSAS, S. The wonder of chlorophyll. (Gre) Dassika Chron. 8(3):109-110. Mar.1966. 99.8 D263
- 65515 TSURKAN, O. A. Protein formation in ripening corn and sorghum seeds. (Rus) Resp. Nauchn. Konferentsiya Fiziologov i Biokhimi-kov Rast. Moldavii. Trudy 1:411-414. 1964. Not in Libr.
Cited in Ref. Zh. Biol. Khim. 19:108. Oct. 10, 1965. 241.7 R252
- 65516 TUEVA, O. F. Fosfor v pitanii rastenii [Phosphorus in plant nutrition]. Moskva, Nauka, 1966. 296 p. QK898.P6T8
Bibliography, p.269-294.
- 65517 TUKEY, H. B., WOTT, J. A., and GOOD, G. L. Leaching of metabolites from plants and its implications in plant propagation. Cornell Plant. 21(4):53-55. Winter 1965/66. 409.6 C812
- 65518 TUPIK, N. D. Auxin exchange in the reproductive organs of sugar beets under conditions of inhibited growth. (Ukr) Ukr. Bot. Zhur. 22(5): 18-21. Ref. 1965. 450 J8212J
English summary.
- 65519 TUSHNYAKOVA, M. M. The influence of seed storage on the terminal effect of gamma radiation (Co60). 11 p. Ref. Transl. 14730
Effect on germination of oat seeds.
Translation from Akademiya Nauk SSSR. Institut Genetiki. Trudy 29:185-193. 1962.
- 65520 UMEMURA, K., and OOTA, Y. Flowering in *Lemna paucicostata* as compared with that in *Lemna perpusilla* 6746. Plant Cell Physiol. 6(4):793-798. Dec.1965. 450 P699
Photoperiodic studies.
- 65521 UNDERBRINK, A. G. An electron microscope study of digitonin treated *Allium sativum* meristematic cells. Diss. Abs. 26(10):5682. Apr.1966. 241.8 M58
- 65522 UNESTAM, T. Studies on the physiology of *Monoblepharis*. Physiol. Plant. 19(1):1-14. Ref. 1966. 450 P564
Monoblepharis macrandra.
- 65523 UTKIN, V. V. Biological inequality of Crimean *Vicia L.* seeds in connection with habitat conditions. (Ukr) Ukr. Bot. Zhur. 22(5):44-50. Ref. 1965. 450 J8212J
English summary.
- 65524 VAKLINOVA, S., and others. The effect of certain factors on the photooxidation of hydroxylamine in isolated chloroplasts. Bulgarska Akad. Nauk. Dokl. 18(7):659-662. 1965. 512 So2
N. Tomova, E. Nikolova, and M. Secenska, joint authors.
Light and temperature on spinach chloroplast.
- 65525 VAKLINOVA, S., and TOMOVA, N. The influence of temperature on the reduction of nitrite under illumination and in darkness in higher plants. Bulgarska Akad. Nauk. Dokl. 18(7): 671-674. Ref. 1965. 512 So2
Barley and tomatoes.
- 65526 VALMARI, A., and VALMARI, I. On the frost resistance of red clover with special attention to seed production. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(1): 27-48. Ref. 1966. 20 Su7M
- 65527 VAN RHEENEN, H. A. Flowering stimulation in sweet potato. Euphytica 14(3):271-275. Nov. 1965. 450 Eu6
- 65528 VAN SCHILFGAARDE, J., and WILLIAMSON, R. E. Studies of crop response to drainage. I-II. Amer. Soc. Agr. Eng. Trans. ASAE 8(1): 94-100. Ref. 1965. 290.9 Am32T
I, Growth chambers; II, Lysimeters.
- 65529 VASSILEVA-DRYANOVSKA, O., and IZVORSKA, N. Cytological changes upon applying ionizing irradiations on root tips of peas. Bulgarska Akad. Nauk. Dokl. 18(7):683-686. Ref. 1965. 512 So2
Gamma rays.
- 65530 VASSILEVA-DRYANOVSKA, O., and IZVORSKA, N. Radiostimulation and inhibition upon applying ionizing irradiation on peas. Bulgarska Akad. Nauk. Dokl. 18(6):565-568. Ref. 1965. 512 So2
Seed treatment, with gamma rays and neutrons.
- 65531 VASUDEVAN, V., and BALASUBRAMANIAM, V. Germination in osmotic solutions as an index to drought resistance in sorghum. Madras Agr. J. 52(9):386-390. Ref. Sept.1965. 22 M262

- 65532 VENEZIAN, M. E., and MARGHERITA, M. E. S. Flowering, fruiting time, and production of strawberry plants (varieties Elite, Climax, Cambridge, and Huxley) subjected to continuous gamma irradiation. (It) Agr. Italia 11 (7):3-14. July 1965. 16 Ag8232
- 65533 VIETEZ, E., and others. Effects of Tweens 80, 40 and 20 on the growth of Avena coleoptile sections. Physiol. Plant. 18(4):1143-1146. Ref. 1965. 450 P564
J. Mendez, C. Mato, and A. Vazquez, joint authors.
Detergents.
- 65534 VIRGIN, H. I. Carotenoid synthesis in leaves of wheat after irradiation by red light. Physiol. Plant. 19(1):40-59. Ref. 1966. 450 P564
- 65535 VIRGIN, H. I. Chlorophyll formation and water deficit. Physiol. Plant. 18(4):994-1000. Ref. 1965. 450 P564
In wheat.
- 65536 VLASYUK, P. A. Physiological-biochemical features of the effect of ionizing radiation on crops and metabolism. (Rus) Resp. Nauchn. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii. Trudy 1:24-31. 1964. Not in Libr. Cited in Ref. Zh. Biol. Khim. 19:118. Oct. 10, 1965. 241.7 R252
- 65537 VOPIO, I. Carbon dioxide and its significance in growing young vegetable plants. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(1):1-14. Ref. 1966. 20 Su7M
English summary.
- 65538 VOROS, J. Streptomycin sensitivity of Oomycetes due to the increased absorption of streptomycin by their mycelia. Phytopathol. Z. 54 (3):249-257. Ref. Nov. 1965. 464.8 P562
- 65539 VOS, N. M. DE. Werking van CCC en stikstof bij winter- en zomertarwe (serie 651-1965) [Effect of CCC and nitrogen on winter and summer wheat]. Wageningen. Proefsta. Akker-Weidebouw. Gestencilde Verslagen Interprov. Proeven 109, 18 p. 1966. 105.2 W123G
- 65540 VOSKRESENSKAYA, N. P. Fotosintez i spektral'nyi sostav sveta [Photosynthesis and the spectral composition of light]. Moskva, Nauka, 1965. 309 p. QK882.V6
Bibliography, p.276-309.
- 65541 VOZNESENSKII, V. L. Study of the carbon dioxide gas exchange curves at low CO₂ concentrations. (Rus) Fiziol. Rast. 11(6):974-977. 1964. 450 F58
English summary.
- 65542 VUCUREVIC, N., and MILIC, B. The rate of carotene and xanthophyll storage in alfalfa in relation to the season and the stage of the plant development. (Se) Savremena Poljoprivreda 13(6):537-542. June 1965. 21 P75
English summary.
- 65543 VUCUREVIC, N., and others. The rate of saponin storage in alfalfa in relation to the season and stage of plant growth. (Cz) Veterinaria [Sarajevo] 14(3):315-319. 1965. 41.8 V6492
I. Delic, B. Milic and M. Turcic, joint authors.
English summary.
- 65544 WAGER, H. G. The physiology of green peas in relation to storage. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:159-164. Ref. 1962, pub. 1965. TP368.15
- 65545 WAGNE, C. The distribution of the light effect from irradiated to non-irradiated parts of grass leaves. Physiol. Plant. 18(4):1001-1006. 1965. 450 P564
- 65546 WAGNE, C. Effect of UV light on lettuce seed germination and on the unfolding of grass leaves. Physiol. Plant. 19(1):128-133. 1966. 450 P564
Wheat leaves.
- 65547 WAHID, A. A. A. Some cytological effects of aminotriazole on wheat seedlings. Diss. Abs. 26(10):5673. Apr. 1966. 241.8 M58
- 65548 WASEL, Y., NEUMANN, R., and ESHEL, Y. The nature of the pH effect on the uptake of rubidium by excised barley roots. Physiol. Plant. 19(1):115-121. 1966. 450 P564
- 65549 WASEL, Y., and FAHN, A. A radiological method for the determination of cambial activity. Physiol. Plant. 18(1):44-46. 1965. 450 P564
Use of labelled carbon dioxide in the study of several woody plants.
- 65550 WALTER, H. To explain the specific water potential in plasma. III. Eco-physiological observations. (Ge) Deut. Bot. Ges. Ber. 78(3):104-114. Ref. 1965. 451 D48
- 65551 WARD, E. W. B. Preliminary studies of the physiology of Sclerotinia borealis, a highly psychrophilic fungus. Can. J. Bot. 44(3):237-246. Ref. Mar. 1966. 470 C16C
- 65552 WATT, W. D., and FOGG, G. E. The kinetics of extracellular glycolate production by Chlorella pyrenoidosa. J. Expt. Bot. 17(50):117-134. Ref. Feb. 1966. 450 J8224
During growth under variant light intensity and carbon dioxide concentration.
- 65553 WEBB, R. A., and HALLAS, D. G. The effect of iron supply on strawberry, var. Royal Sovereign. J. Hort. Sci. 41(2):179-188. Ref. Apr. 1966. 80 J825
Strawberries.
- 65554 WEBER, A. Magnesium deficiency 1958-62. (Da) Tidsskr. Planteavl 69(4):494-510. 1966. 11 T439
English summary.
Of plants.
- 65555 WEBER, C. R., and CALDWELL, B. E. Effects of defoliation and stem bruising on soybeans. Crop Sci. 6(1):25-27. Jan./Feb. 1966. 64.8 C883
- 65556 WEBSTER, D. H. Heat-induced callose and lateral movement of assimilates from phloem. Diss. Abs. 26(10):5682. Apr. 1966. 241.8 M58
Cotton plants.
- 65557 WEINBERGER, P. The influence of climatic factors on quality and seed values of two oat varieties. (Ge) Angew. Bot. 39(1/2):16-56. Ref. June 1965. 450 An4
English summary.
Germany.
- 65558 WELLINGTON, P. S. Germination and seedlings emergency. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:3-19. Ref., p.18-19. 1965, pub. 1966. S217.E2
Literature review.
- 65559 WELLINGTON, P. S. Introduction to the discussion on germination. Int. Seed Testing Ass. Proc. 30(3):649-659. 1965. 61.9 In84P
Includes discussion.
- 65560 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. PLANT PATHOLOGY BR. Leaf scorching. West. Australia. Dep. Agr. J. (ser.4)7 (1):29-30. Jan. 1966. 23 W52J
Probable physiological disease, chiefly, of ornamental trees, orchard trees, and shrubs.
- 65561 WHITE, P. R., and GILBEY, S. N. Sources of nitrogen for spruce tissue cultures. Physiol. Plant. 19(1):177-186. Ref. 1966. 450 P564
- 65562 WHITE, R. A. J., and ALBAN, E. K. Variations in maturity rate of Ohio W-R 7 tomatoes in the 1965 spring crop at Columbus. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:23-26. Apr. 1966. 100 Oh3Rs
Greenhouse culture.
- 65563 WHITED, D. A., GORZ, H. J., and HASKINS, F. A. Influence of temperature, light intensity, and photoperiod on the o-hydroxycinnamic acid content in plant parts of sweetclover. Crop Sci. 6(1):73-75. Ref. Jan./Feb. 1966. 64.8 C883
- 65564 WHITELY, K. T. Why does fruit drop? West. Australia. Dept. Agr. J. (ser.4)7(1):15-16. Jan. 1966. 23 W52J
- 65565 WIELGOLASKI, F. E. Flowering of Chrysanthemum under varying temperature and light conditions. (No) Blyttia 24(1):19-34. Ref. 1966. 450 B622
English summary.
- 65566 WIELGOLASKI, F. E. Growth of Chrysanthemum under different light and temperature conditions. (No) Gartneryrket 56(15/16):360,363-364. Apr. 15, 1966. 80 G1938

- 65567 WIESE, A. F. Effect of tansy mustard [*Descurainia pinnata*] and 2,4-D on winter wheat. Tex. Agr. Exp. Sta. MP-782, 8 p. Aug. 1965. 100 T31M
Effect on yields.
- 65568 WITTSELL, L. E., and CARPENTER, W. J. Soil compaction effects on Chrysanthemums and snapdragons. Amer. Soc. Hort. Sci. Proc. 87: 531-536. Ref. Dec. 1965. 81 So12
Includes greenhouse culture.
- 65569 WOJTASZEK, T. Relationship between susceptibility of plants to DNP and their capacity for ATP generation. Weeds 14(2):125-129. Ref. Apr. 1966. 79.8 W41
Effects of herbicides on weed physiology.
- 65570 WOO, K. B., BOERSMA, L., and STONE, L. N. Dynamic simulation model of the transpiration process. Water Resources Res. 2(1):85-97. Ref. First Q. 1966. 292.8 W295
Plants.
- 65571 WOODS, L. E. The germination and emergence of birdsfoot trefoil (*Lotus corniculatus* L.) in relation to its physical environment. Diss. Abs. 26(10):5636-5637. Apr. 1966. 241.8 M58
- 65572 WOSTE, G. Cobalt in its metabolic relations for plants and animals. (Ge) Mitt. Deut. Landwirt.-Ges. 81(12):498,500. Mar. 24, 1966. 18 N39
- 65573 WRIGHT, C. E. Differential reaction of *Lofium* perenne genotypes to certain herbicides. Nature [London] 210(5033):327-328. Apr. 16, 1966. 472 N21
- 65574 WRIGHT, S. T. C. Growth and cellular differentiation in the wheat coleoptile (*Triticum vulgare*). II. Factors influencing the growth response to gibberellic acid, kinetin and indolyl-3-acetic acid. J. Expt. Bot. 17(50):165-176. Ref. Feb. 1966. 450 J8224
- 65575 WU, Y. Y. Absorbency of phosphorus fertilizers by root system of soybean tested with P32. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135:11-19. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:16-18. Feb. 7, 1964.
Issued by CFSTI.
- 65576 YAMADA, Y., and others. The effects of urea on ion penetration through isolated cuticular membranes and ion uptake by leaf cells. Amer. Soc. Hort. Sci. Proc. 87:429-432. Ref. Dec. 1965. 81 So12
W. H. Jyung, S. H. Wittwer, and M. J. Bukovac, joint authors.
Tomatoes.
- 65577 YAMAMOTO, Y. Variation of nicotinamide adenine dinucleotide phosphate level in bean hypocotyls in relation to O₂ concentration. Plant Physiol. 41(3):519-522. Ref. Mar. 1966. 450 P692
- 65578 YANG, H. T., and others. Effect and evaluation of light treatment on potato growth under dual-season cultivation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136: 1-16. Jan. 15, 1965. (JPRS 28,321; TT 65-30138) 173 J663Tcco
T. F. Ch'en, S. Y. Yeh, and C. K. T'ung, joint authors.
Translation from Chung Kuo Nung Yeh K'o Hsueh 10:1-7. 1963.
Issued by CFSTI.
- 65579 YEO, R. R. Life history of sago pondweed [*Potamogeton pectinatus*]. Weeds 13(4):314-321. Ref. Oct. 1965. 79.8 W41
Chiefly physiology and morphology.
- 65580 YEO, R. R. Yields of propagules of certain aquatic plants. I. Weeds 14(2):110-113. Apr. 1966. 79.8 W41
Physiology, of pondweeds.
- 65581 YING, H. K. The effect of temperature on growth and the metabolism of ribonucleic acid in relation to cell division and cell elongation of *Pisum sativum* "Alaska." Diss. Abs. 26(10): 5640. Apr. 1966. 241.8 M58
- 65582 YURKOVA, G. N. Effect of the temperature on *Dunaliella salina* Teod. (Ukr) Ukr. Bot. Zhur. 22(6):51-57. Ref. 1965. 450 J8212J
English summary.
- 65583 ZAK, E. G. Effect of molecular oxygen on the formation of amino acids in photosynthesizing *Chlorella* under various conditions of illumination. (Rus) Fiziol. Rast. 12(2):263-269. Ref. 1965. 450 F58
English summary.
Radioactive carbon used in research.
- 65584 ZAK, E. G., and NICHIPOROVICH, A. A. Formation of amino acids during photosynthesis. (Rus) Fiziol. Rast. 11(6):945-950. Ref. 1964. 450 F58
English summary.
Chlorella pyrenoidosa.
- 65585 ZAURALOV, O. A., and GUBAR, G. D. Secretion of nectar in buckwheat under various treatments in connection with respiration. (Rus) Fiziol. Rast. 12(2):248-256. Ref. 1965. 450 F58
English summary.
Effects of cold, adenosine triphosphates and 2,4-D.
- 65586 ZEMLYANUKHIN, A. A. Effect of ascorbic acid on water metabolism in plants. (Rus) Fiziol. Rast. 11(6):1047-1055. Ref. 1964. 450 F58
English summary.
Field crops.
- 65587 ZEMLYANUKHIN, A. A., and ZVYAGINTSEV, V. I. Influence of heteroauxin on the content of organic acids in the sunflower. (Rus) Akad. Nauk SSSR. Dokl. 167:468-470. Ref. 1965. 511 P444A
- 65588 ZINK, F. W. Growth and nutrient absorption in spring spinach. Amer. Soc. Hort. Sci. Proc. 87:380-386. Dec. 1965. 81 So12
- 65589 ZOLOTOVITCH, G. Effects of respiration on formation of terpenes *Rosa damascena* Mill. (Ge) Bulgarska Akad. Nauk. Dokl. 18(8):781-784. Ref. 1965. 512 So2
- 65590 ZVARA, J., and JURGA, L. Determination of potassium in plant materials free of ashes (minerals) by flame photometry. (Cz) Biologia [Bratislava] 21(1):54-56. 1966. 442.8 B5265
German summary.
Analysis of leaves.
- 65591 ZYCH, C. C. Rooting of leaf-bud cuttings of *Rubus neglectus* inhibited by gibberellin. Amer. Soc. Hort. Sci. Proc. 87:238-239. Dec. 1965. 81 So12

BIOCHEMISTRY

- 65592 ABDUL-ALIM, M. A., and others. Constituents of local plants. IX. Application of mass spectrometry in the study of sterol mixtures. Z. Anal. Chem. 217(4):268-273. Ref. 1966. 384 Z3
A. F. Aboulezz, M. B. E. Fayez, and A. E. Seedhom, joint authors.
Cucurbita pepo, *Sinapis arvensis* and *Clerodendron inerm*.
- 65593 ABROL, Y. P., and CONN, E. E. Studies on cyanide metabolism in *Lotus arabicus* L. and *Lotus tenuis* L. Phytochemistry 5(2):237-242. Ref. Mar. 1966. 450 P5622
- 65594 ADINARAYANA, D., and SESHADRI, T. R. A new leucoanthocyanidin from *Cassia marginata* flowers; margicassinidin. Indian J. Chem. 4(2): 73-75. Feb. 1966. 385 In294
- 65595 AKATSUKA, T., and NELSON, O. E. Starch granule-bound adenosine diphosphate glucose-starch glucosyltransferases of maize seeds. J. Biol. Chem. 241(10):2280-2285. Ref. May 25, 1966. 381 J824
- 65596 ALLEN, C. F., and others. Methodology for the separation of plant lipids and application to spinach leaf and chloroplast lamellae. Amer. Oil Chem. Soc. J. 43(4):223-231. Ref. Apr. 1966. 307.8 J82
P. Good, H. F. Davis, P. Chisum, and S. D. Fowler, joint authors.
- 65597 AMMANN, E. C. B., and LYNCH, V. H. Purine metabolism by unicellular algae. III. Biochim. Biophys. Acta 120(1):181-182. May 12, 1966. 381 B522

- 65598 ANDREEVA, N. A., and EFIMOVA, R. I. An aminopterin-resistant enzymatic method of reduction of folic acid to a coenzymic form, discovered in plants. (Rus) Akad. Nauk SSSR. Dokl. 167(4):931-934. Ref. 1966. 511 P444A
Wheat used in experiment.
- 65599 ARASIMOVICH, V. V., MEL'NIK, A. V., and KAKHANA, B. M. Variability of carbohydrate complex in fruits, vegetables, and cucurbits. (Rus) Resp. Nauchn. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii. Tr. 1:49-57. 1964. Not in Libr.
Cited in Ref. Zh. Biol. Khim. 19:185. Oct. 1965. 241.7 R252
- 65600 ATKINSON, M. R., and others. Salt accumulation and adenosine triphosphate in carrot xylem tissue. Nat. Acad. Sci. Proc. 55(3):560-564. Mar. 1966. 500 N21P
G. Eckermann, M. Grant, and R. N. Robertson, joint authors.
- 65601 BALTAGA, S. V., and SMYKOVA, N. A. Hemicelluloses in watermelons and quantitative changes in their composition during vegetation and storage of the fruit. (Rus) In Polisakhari-dy Plodov i Ovoshchei i ikh Izmenchivost' pri Sozrevanii i Pererabotke 1965:31-46. Not in Libr.
Abstracted in Ref. Zh. Biol. Khim. 19:185. Oct. 10, 1965. 241.7 R252
- 65602 BALTUS, E., and QUERTIER, J. A method for the extraction and characterization of RNA from subcellular fractions of *Acetabularia*. Biochim. Biophys. Acta 119(1):192-194. Apr. 18, 1966. 381 B522
- 65603 BANERJI, A., MURTI, V. V. S., and SESHA-DRI, T. R. Isolation of sissotrin, a new isoflavone glycoside from the leaves of *Dalbergia sissoo*. Indian J. Chem. 4(2):70-72. Feb. 1966. 385 In294
- 65604 BARA, M. Effects of clinostat on tryptophan synthesis in *Helianthus annuus*. (Fr) Physiol. Plant. 18(4):1037-1043. Ref. 1965. 450 P564
- 65605 BARAUD, J., and others. Fatty acids in lipoproteins of the corn seed. (Fr) Acad. Sci. Compt. Rend. 261(20):4272-4273. Nov. 15, 1965. 505 P21
F. Benitez, L. Genevois, and A. Maurice, joint authors.
- 65606 EL BASYOUNI, S. H., and VINING, L. C. Biosynthesis of oosporein in *Beauveria bassiana* (Bals.) Vuill. Can. J. Biochem. 44(5):557-565. Ref. May 1966. 470 C16E
Cultured.
- 65607 BATTERHAM, T. J., HART, N. K., and LAMBERTON, J. A. Guaianolides from the wax of *Calocephalus brownii* F. Muell. (Compositae). Australian J. Chem. 19(1):143-150. Jan. 1966. 475 Au73
- 65608 BAUM, L. S. A study of the inter-relationship of potassium and rubidium in various species of fresh water algae. Diss. Abs. 26(10):5673. Apr. 1966. 241.8 M58
- 65609 BAYFIELD, R. F. A look at laboratory techniques—chromatography. Agr. Gaz. New S. Wales 77(2):109-110. Feb. 1966. 23 N472
In problems associated with plant and animal chemistry.
- 65610 BEAUDREAU, C., and YASUNOBU, K. T. Heme proteins. VI. Crystalline pineapple peroxidase B. Biochemistry 5(4):1405-1412. Ref. Apr. 1966. 381 B523
In stem tissues.
- 65611 BENDZ, G., MARTENSSON, O., and NILSSON, E. Moss pigments. 4. An investigation of the occurrence of proanthocyanidins in mosses. Acta Chem. Scand. 20(1):277-278. 1966. 385 Ac82
- 65612 BENNETT, R. D., KO, S. T., and HEFTMANN, E. Isolation of estrone and cholesterol from the date palm, *Phoenix dactylifera* L. Phytochemistry 5(2):231-235. Ref. Mar. 1966. 450 P5622
- 65613 BENSON, A. A. On the orientation of lipids in chloroplast and cell membranes. Amer. Oil Chem. Soc. J. 43(5):265-270. Ref. May 1966. 307.8 J82
- 65614 BERDUCOU, J., PHIPPS, J., and MACHE, R. Activity of some oxydases of *Nectria galligena* Bres. cultivated with and without biotin. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(12):1341-1344. Mar. 21, 1966. 505 P21
- 65615 BEZANGER-BEAUQUESNE, L., and PINKAS, M. Polyuronic substances. V. Gums, mucilages, pectins, pseudocelluloses. (Fr) Ann. Pharm. Franc. 24(1):73-80. Jan. 1966. 396.8 An7
Literature review.
In plants.
- 65616 BEZANGER-BEAUQUESNE, L., and PINKAS, M. Polyuronic substances (gums, mucilages, pectins, pseudocelluloses). V. (Fr) Ann. Pharm. Franc. 24(2):143-148. Feb. 1966. 396.8 An7
Bibliography, p. 146-152.
Literature review.
Part V, deals with pseudocelluloses in plants.
- 65617 BIELESKI, R. L. Accumulation of phosphate, sulfate and sucrose by excised phloem tissues. Plant Physiol. 41(3):447-454. Ref. Mar. 1966. 450 P692
Of vegetables.
- 65618 BISSET, N. Vomisine and N-methyl-pseudostrychnine (ijacine) alkaloids extracted from the leaves of *Strychnos icaia* Baill. (Fr) Acad. Sci. Compt. Rend. 261(23):5237-5238. Dec. 8, 1965. 505 P21
- 65619 BOGIN, E. Organic acid synthesis and accumulation in sweet and sour lemon fruits. Diss. Abs. 26(10):5689. Apr. 1966. 241.8 M58
- 65620 BOGNAR, R., and MAKLEIT, S. The steroid-alkaloid-glycoside content of *Solanum dulcamara* L. (Hu) Herba Hung. 4(2):101-124, map. Ref. 1965. 71.8 H413
German summary.
- 65621 BOND, A. B. The sugars and the alpha-1,4-glucosidases of germinating corn. Diss. Abs. 26(10):5689-5690. Apr. 1966. 241.8 M58
- 65622 BRADY, T. G., and HEGARTY, V. J. An investigation of plant seeds for adenosine deaminase. Nature [London] 209(5027):1027-1028. Mar. 5, 1966. 472 N21
- 65623 BREEN, G. J. W., and others. The chemical constituents of Australian *Flindersia* species. XIX. Triterpenoids from the leaves of *F. bourjotiana* F. Muell. Australian J. Chem. 19(3):455-481. Ref. Mar. 1966. 475 Au73
E. Ritchie, W. T. L. Sidwell, and W. C. Taylor, joint authors.
- 65624 BRONSHTEIN, E. V. Simplified method for calculation of the results of biochemical and agrochemical analyses. 6 p. Transl. 14098
Translation from Moskovskaya Ordena Lenina Sel'skokhozyaistvennaya Akademiya imeni K. A. Timiryazeva. Doklady 84:253-260. 1963.
- 65625 BROWN, E. G., and SILVER, A. V. The natural occurrence of a uracil 5-peptide and its metabolic relationship to guanosine 5'-monophosphate. Biochim. Biophys. Acta 119(1):1-10. Ref. Apr. 18, 1966. 381 B522
In pea seedlings.
- 65626 BROWN, R. G. Biochemistry of morphogenesis in black yeastlike fungi. Diss. Abs. 26(10):5653. Apr. 1966. 241.8 M58
- 65627 BRUNEL, A., and BRUNEL-CAPELLE, G. Arginase activity in *Arum italicum* Mill., reproductive organs. (Fr) Acad. Sci. Compt. Rend. 261(20):4213-4216. Nov. 15, 1965. 505 P21
- 65628 BUTTERWORTH, P. H. W., BURGOS, J., and HEMMING, F. W. Incorporation of [2-¹⁴C]-mevalonate into a long-chain poly-cis-isoprenoid alcohol of *Aspergillus fumigatus* Fresenius. Arch. Biochem. Biophys. 114(2):398-403. Ref. May 1966. 381 Ar2
- 65629 BYSTROV, B. A., and PAVLOVA, A. P. Biochemical features of seeds of inbred and hybrid pumpkin plants. (Rus) Fiziol. Rast. 11(6):1033-1037. 1964. 450 F58
English summary.

- 65630 CAMPO, F. F. DEL, and others. Ferredoxin and the dark and light reduction of dinitrophenol. *Biochem. Biophys. Res. Commun.* 22(5): 547-553. Ref. Mar.8,1966. 442.8 B5236
J. M. Ramirez, A. Paneque, and M. Losada, joint authors.
Tests with spinach.
- 65631 CATESSON, A. M. Presence of phytoferritin in the cambium and in the conducting tissues of sycamore stem, *Acer pseudoplatanus*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1070-1073. Ref. Mar.7,1966. 505 P21
- 65632 CAVA, M. P., and others. Alkaloids of *Hernandia ovigera*: the characterization and structures of five new aporphine bases. *Tetrahedron Lett.* 15:1577-1581. Apr.1966. 385 T29
K. Besso, B. Douglas, S. Markey, R. F. Raffaur, and S. A. Weisbach, joint authors.
- 65633 CHAN, W. R., and TAYLOR, D. R. Hirtin and deacetylhirtin: new "limonoids" from *Trichilia hirta*. *Chem. Commun.* 7:206-207. Apr.13, 1966. 382 C4223
- 65634 CHANG, H. W. Advancement in the study of organic nitrogen fixation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 270:60-74. Ref. Dec.27,1965. (JPRS 33,486; TT 65-34060) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 8:705-713. Aug.1965.
Issued by CFSTI.
- 65635 CHAPMAN, D. J. Studies on the carotenoids of the flagellate Cryptophyceae, and the chloroplast pigments of the endosymbiotic algae in *Cyanophora paradoxa* and *Glaucocystis nostochinearum*. Diss. Abs. 26(10):5674. Apr.1966. 241.8 M58
- 65636 CHOW, P. W., DUFFIELD, A. M., and JEFFERIES, P. R. The chemistry of the Western Australian Rutaceae. V. The isolation of some coumarins and the structure of phebalosin. *Australian J. Chem.* 19(3):483-488. Ref. Mar. 1966. 475 Au73
From *Phebalium tuberculosum* and *Ph. drummondii*.
- 65637 CLEMENTS, R. L. Disc electrophoresis of citrus fruit proteins. *Phytochemistry* 5(2): 243-249. Mar.1966. 450 P5622
- 65638 CLEZY, P. S., and others. The alkaloids of *Beilschmiedia elliptica*. *Australian J. Chem.* 19(1):135-142. Jan.1966. 475 Au73
E. Gellert, D. Y. K. Lau, and A. W. Nichol, joint authors.
- 65639 CORRELL, D. L. Ribonucleic acid-polyphosphate from algae. III. Hydrolysis studies. *Plant Cell Physiol.* 6(4):661-669. Ref. Dec. 1965. 450 P699
Chlorella.
- 65640 COSTES, C., and DEROCHE, M. E. Heterogeneity of carotenoids in green leaves. 8 p. Transl. 15935
Wheat.
Translation from Academie des Sciences. *Comptes Rendus* 261:4893-4896. 1965.
- 65641 CRAFT, C. C. Localization and activity of phenolase in the potato tuber. *Amer. Potato J.* 43(4):112-121. Ref. Apr.1966. 75.8 P842
- 65642 CREASEY, W. A. Tumor-inhibitory effects of combinations of the Vinca alkaloids with actinomycin D. *Biochem. Pharmacol.* 15(3):367-375. Ref. Mar.1966. 396.8 B52
- 65643 DAS, V. S. R., and RAO, M. P. Mannuronic acid in the cell-wall of *Riccardia*, a jungermannian liverwort. *Cur. Sci.* 35(1):20-21. Jan.5,1966. 475 Sci23
- 65644 DAVIS, N. D., DIENER, U. L., and ELDRIDGE, D. W. Production of aflatoxins B1 and G1 by *Aspergillus flavus* in a semisynthetic medium. *Appl. Microbiol.* 14(3):378-380. May 1966. 448.3 Ap5
- 65645 DENISOVA, A. I., and MAISTRENKO, YU. G. The role of blue-green algae in the formation of the hydrochemical regime of the Kakhovsk reservoir. (Rus) *In* *Ekologiya i fiziologiya sinezelenykh vodoroslei* 1965:95-100. Not in Libr.
Abstracted in Ref. *Zh. Khim.* 19(sect.E):64. Oct.1965. 241.64 R252
- 65646 DILLEY, D. R. Purification and properties of apple fruit malic enzyme. *Plant Physiol.* 41 (2):214-220. Ref. Feb.1966. 450 P692
- 65647 DOLMETSCH, H. Cellulosebildung und Faser-aufbau [Cellulose formation and fiber synthesis]. Reutlingen. Deut. Forschungsinst. Textilindus. Mitt. 89(reprint 11), 8 p. Ref. Jan. 1966. 304.9 R31
In plants, including cotton.
- 65648 DONNELLY, D. M. X., and others. *Dalbergia* species. III. *Tetrahedron Lett.* 49:4451-4455. Dec.1965. 385 T29
M. R. Geoghegan, B. J. Nangle, and R. A. Laidlaw, joint authors.
Biochemistry of latifolin.
- 65649 DOUGLAS, G. K., and LEWIS, K. G. Triterpene constituents of the osage orange, *Maclura pomifera*. III. *Australian J. Chem.* 19(1):175-178. Ref. Jan.1966. 475 Au73
- 65650 DOVBYSH, K. P. State and role of pigments in the embryo of *Raphanus sativus* L. (Uk) *Ukr. Bot. Zhur.* 22(5):92-94. Ref. 1965. 450 J8212J
- 65651 DROKOVA, I. H., and DOLHORUKA, S. I. Carotene-formation in *Dunaliella salina* Teod. under the effect of some carbon sources. (Uk) *Ukr. Bot. Zhur.* 23(1):59-62. 1966. 450 J8212J
English summary.
- 65652 DUDYNS'KYI, Y. A. Histochemical study of peroxidase and polyphenoloxidase activity in intercalary growth zones. (Uk) *Ukr. Bot. Zhur.* 22(6):79-82. Ref. 1965. 450 J8212J
English summary.
Corn.
- 65653 DURZAN, D. J. Disc electrophoresis of soluble protein in the female gametophyte and embryo of conifer seed. *Can. J. Bot.* 44(3):359-360. Mar.1966. 470 C16C
Picea glauca, *Pinus banksiana*, and *Pinus strobus*.
- 65654 DZHALILOV, D. R., SHUMOV, I. P., and GORYAEV, M. I. Polarographic determination of santonin in Levat wormwood. (Rus) *Aptechn. Delo* 14(1):36-38. 1965. Not in Libr.
English summary.
Artemisia cina.
Abstracted in Ref. *Zh. Khim.* 19(sect.N):50. Oct.1965. 241.64 R252
- 65655 EBATA, M., TSUNODA, J., and YASHUNOBU, K. T. Changes in the conformation of chymopapain during the activation process. *Biochem. Biophys. Res. Commun.* 22(5):455-458. Mar.8, 1966. 442.8 B5236
- 65656 EBERTOVA, H. Amylolytic enzymes of *Endomycopsis capsularis*. I. *Folia Microbiol.* 11(1): 14-20. Ref. 1966. 448.3 C332
- 65657 EGGER, K., and VOIGT, H. Thin layer chromatography of carotenoids using polyamide as a stationary phase. (Ge) *Z. Pflanzenphysiol* 53 (1):64-71. Ref. July 1965. 450 Z32
- 65658 EHRHARDT, J. D., HIRTH, L., and OURISSON, G. Triterpenes of Agave and *Dioscorea* tissues cultivated in vitro: presence of cycloartenol, absence of lanosterol. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(7):809-811. Feb.14,1966. 505 P21
- 65659 ERIKSSON, C. E. A., and HALLDAL, P. Purification of phycobilins from red algae and their fluorescence excitation spectra in visible and ultraviolet. *Physiol. Plant.* 18(1):146-152. Ref. 1965. 450 P564
- 65660 ERMAKOV, I. P. A method for cytophotometric determination of DNA and histons in the apical meristeme of *Elodea densa* L. (Rus) *Akad. Nauk SSSR. Dokl.* 167(4):944-945. Ref. 1966. 511 P444A
- 65661 FAUST, M. Physiology of anthocyanin development in McIntosh apple. I. Participation of pentose phosphate pathway in anthocyanin development. *Amer. Soc. Hort. Sci. Proc.* 87:1-9. Ref. Dec.1965. 81 So12
- 65662 FAUST, M. Physiology of anthocyanin development in McIntosh apple. II. Relationship between protein synthesis and anthocyanin development. *Amer. Soc. Hort. Sci. Proc.* 87:10-20. Ref. Dec.1965. 81 So12

- 65663 FIALA, E. S. Methylation of ribonucleic acid in *Neurospora crassa* 38706. Diss. Abs. 26 (10):5693. Apr.1966. 241.8 M58
- 65664 FILNER, P. Regulation of nitrate reductase in cultured tobacco cells. *Biochim. Biophys. Acta* 118(2):299-310. Ref. May 5,1966. 381 B522
- 65665 FITZGERALD, J. S., and others. 6,7,8,9-tetrahydropyridoquinazolines, a new class of alkaloids from *Mackinlaya* species (Araliaceae). *Australian J. Chem.* 19(1):151-159. Jan.1966. 475 Au73
- S. R. Johns, J. A. Lamberton, and A. H. Redcliffe, joint authors.
Tetrahydropyrido [2,1-b] quinazolin-11-one, 6,7,8,9-and Tetrahydro-11H-pyrido [2,1-b]-quinazoline, 6,7,8,9-.
- 65666 FORESTIER, J., and BELEY, J. Sulfur and minor element content of Robusta coffee leaves in Lobaye (C.A.R.). (Fr) *Cafe, Cacao, The* 10(1):17-27. Ref. Jan./Mar.1966. 68.8 C112
English summary.
- 65667 FOTTRELL, P. F. Dehydrogenase isoenzymes from legume root nodules. *Nature [London]* 210(5032):198-199. Apr.9,1966. 472 N21
In soybeans, alfalfa and white clover.
- 65668 FRANKE, W. On the vitamin C content of autumn leaves. 1-2. (Ge) *Z. Pflanzenphysiol.* 53(4):289-319. Ref. Nov.1965. 450 Z32
English summary.
The content of vitamin C up to abscission; 2, The content of vitamin C after abscission.
Deciduous trees and shrubs.
- 65669 FRIEND, J., and DICKS, J. W. The oxidation of carotenoids by mitochondria from sugar beet leaves. I. Crocin oxidation by mitochondria. *Phytochemistry* 5(2):205-214. Ref. Mar.1966. 450 P5622
- 65670 FRISCH, D. M., and CHARLES, M. A. Deamination of 4-aminopyrimidine nucleosides by extracts of rye grass (*Lolium perenne*). *Plant Physiol.* 41(3):475-478. Ref. Mar.1966. 450 P692
Enzymatic deamination.
- 65671 FYLYPIW, W. M., and others. Studies on Catharanthus alkaloids. IX. Hypotensive evaluation of alkaloid fractions and the isolation of ajmalicine and vindorosine from *Catharanthus pusillus*. *Lloydia* 28(4):354-358. Ref. Dec. 1965. 442.8 L77
N. R. Farnsworth, R. N. Blomster, J. P. Buckley, and D. J. Abraham, joint authors.
- 65672 GAGGINO, O. P., CARRILLO, B. J., and FRONTERA, A. R. Phalaris staggers. II. Phalaris tuberosa L. as cyanogenetic. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 206:27-30. Ref. Feb.1965. 9 Id3
Hydrocyanic acid at different stages of growth.
- 65673 GAHAN, P. B., and RAJAN, A. K. The autoradiographic detection of ions in plant tissues. *J. Expt. Bot.* 17(50):34-43. Ref. Feb.1966. 450 J8224
Radioactive sulfur used as tracer.
- 65674 GALITZ, D. S., and HOWELL, R. W. Measurement of ribonucleic acids and total free nucleotides of developing soybean seeds. *Physiol. Plant.* 18(4):1018-1021. 1965. 450 P564
- 65675 GALKOWSKI, T. T., GAUVIN, P. N., and SANTURRI, P. R. Plant constituents: sorbitol from common plantain. *J. Agr. Food Chem.* 14(3):324. May/June 1966. 381 J8223
- 65676 GAMBURG, K. Z. Separation of IAA oxidase from an IAA oxidase inhibitor by gel filtration on sephadex G-25. (Rus) *Fiziol. Rast.* 12(2):361-363. Ref. 1965. 450 F58
English summary.
Peas.
- 65677 GERICKE, S. Phosphoric acid and oxalic acid content of beet leaves. (Ge) *Phosphorsaure* 25(5/6):263-280. Ref. 1965. 57.8 P563
- 65678 GHETIE, V., and BUZILA, L. Plant cryoproteins. 11 p. *Transl.* 14455
Translation from Academia Republicii Populare Romine. Institutul de Biochimie. Studii si Cercetari de Biochimie 5:65-72. 1962.
- 65679 GIOVANELLI, J. Oxalyl-coenzyme A synthetase from pea seeds. *Biochim. Biophys. Acta* 118(1):124-143. Ref. Apr.12,1966. 381 B522
- 65680 GOAS, G. Variations in free amino acid content and in particular variation in hemoserine content during the formation of flowers and fruits of peas. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(14):1534-1537. Apr.4,1966. 505 P21
- 65681 GODNEV, T. N., KALER, V. L., and ROTFARB, R. M. The presence of phytol in the composition of protochlorophyll of etiolated leaves. 4 p. Ref. (TT 63-16720) *Transl.* 15337
Translation from Akademiya Nauk SSSR. Doklady 140:1445-1447. 1961.
Issued by CFSTI.
- 65682 GODNEV, T. N., KHODASEVICH, E. V., and ARNAUTOVA, A. I. Pigment biosynthesis in the case of negative temperatures in lichens and hibernating plants. (Rus) *Akad. Nauk SSSR. Dokl.* 167:451-453. 1965. 511 P444A
Parmelia physodes, blueberries and rye used in experiment.
- 65683 GOLDSTEIN, L. V., SAFONOV, V. I., and SISKAN, N. M. The heterogeneity of histons of desoxyribonucleoprotein of wheat embryos. (Rus) *Akad. Nauk SSSR. Dokl.* 167:1168-1170. Ref. 1966. 511 P444A
- 65684 GOMBKOTO, G. Anthocyanin pigments of grapes. III. Some new methods for separation of anthocyanins with chromatography. (Hu) *Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei* 29(1):171-182. 1965. 80 B85
English summary.
- 65685 GOMBKOTO, G. The color substances of red wine type grapes. (Hu) *Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei* 28(3):289-307. Ref. 1964, pub.1965. 80 B85
English summary.
- 65686 GOUGH, J. H., and SUTHERLAND, M. D. Dehydroroyleanone in *Plectranthus* species. *Australian J. Chem.* 19(2):329-330. Feb.1966. 475 Au73
- 65687 GRIFFITHS, D. A., and ISAAC, I. Colonization of cellulose membranes by species of *Verticillium*. *Ann. Appl. Biol.* 57(1):59-65. Ref. Feb.1966. 442.8 An72
Verticillium dahliae and *V. tricorpus* studied in culture.
- 65688 GROCHOWSKA, M. J. Chromatographic degradation of phloridzin. *Plant Physiol.* 41(3):432-436. Ref. Mar.1966. 450 P692
In apple leaves.
- 65689 GUTZWILLER, J., and TAMM, C. The constitution of iso-trichothecolone and of alldihydro-trichothecolone. *Tetrahedron Lett.* 50:4455-4502. Ref. Dec.1965. 385 T29
Formed by an antifungal metabolite produced by *Trichothecium roseum*.
- 65690 HARLER, C. R. The trace elements in the leaf, essential and non-essential. *Planters' Chron.* 60(14):247-249. July 15,1965. 22 P693
Tea.
- 65691 HAUG, A., LARSEN, B., and SMIDSRØD, O. A study of the constitution of alginic acid by partial acid hydrolysis. *Acta Chem. Scand.* 20(1):183-190. Ref. 1966. 385 Ac82
From *Laminaria digitata*.
- 65692 HENSENS, O. D., and LEWIS, K. G. Extractives of the bark of *Aegiceras corniculatum*. *Australian J. Chem.* 19(1):169-174. Ref. Jan. 1966. 475 Au73
- 65693 HINTON, J. J. C. Biochemical aspects of quality in cereals. *Nottingham. Univ. Easter Sch. Agr. Sci. Proc.*, 12th Easter Sch.:272-289. Ref., p.288-289. 1965, pub.1966. S217.E2
Literature review.
- 65694 HOCHT, H., MARTIN, H. H., and KANDLER, O. Investigations about the chemical composition of the cell walls of blue-green algae. (Ge) *Z. Pflanzenphysiol.* 53(1):39-57. Ref. July 1965. 450 Z32
English summary.
Anacystis nidulans, *Phormidium foveolarum*, *Tolypothrix tenuis*.
- 65695 HORIKOSHI, K., and IKEDA, Y. Trehalase in conidia of *Aspergillus oryzae*. *J. Bacteriol.* 91(5):1883-1887. Ref. May 1966. 448.3 J82

- 65696 HORTON, J. C., and KEEN, N. T. Regulation of induced cellulase synthesis in *Pyrenochaeta terrestris* Gorenz et al. by utilizable carbon compounds. *Can. J. Microbiol.* 12(2):209-220. Ref. Apr.1966. 448.8 C162
- 65697 HOUGH, L., and STACEY, B. E. Biosynthesis and metabolism of allitol and D-allulose in *Itea [ilicifolia]* plants; incorporation of $^{14}\text{CO}_2$. *Phytochemistry* 5(2):215-222. Ref. Mar.1966. 450 P5622
- 65698 INUBUSHI, Y., and others. Serratinine: a novel skeletal Lycopodium alkaloid. *Tetrahedron Lett.* 14:1537-1549. Apr.1966. 385 T29
H. Ishii, B. Yasui, M. Hashimoto, and T. Harayama, joint authors.
- 65699 IORDANSKII, A. B., URBACH, V. YU., and MATYUSHINA, E. D. The autoradiographic study of DNA reproduction in the sister chromatids. (Rus) *Akad. Nauk SSSR. Dokl.* 167:1385-1388. Ref. 1966. 511 P444A
Broadbeans.
- 65700 IRIE, T., and others. Laurinterol and debromaurinterol, constituents from *Laurencia intermedia*. *Tetrahedron Lett.* 17:1837-1840. Apr.1966. 385 T29
M. Suzuki, E. Kurosawa, and T. Masamune, joint authors.
- 65701 ITOH, M., and NOSOH, Y. Factors controlling the pigment formation in adenine dependent mutant of *Saccharomyces cerevisiae*. *Plant Cell Physiol.* 6(4):779-783. Dec.1965. 450 P699
In a culture medium.
- 65702 JACK, R. C. M. Lipid patterns in the major classes of fungi. *J. Bacteriol.* 91(5):2101-2102. May 1966. 448.3 J82
- 65703 JACOBSEN, J. V. The cleavage of L-cysteine sulfoxides by A C-S lyase in *Tulbaghia violacea*, Harv. Diss. Abs. 26(10):5696. Apr.1966. 241.8 M58
- 65704 JASPARS, E. M. J. Pigmentation of tobacco crown-gall tissues cultured in vitro in dependence of the composition of the medium. *Physiol. Plant.* 18(4):933-940. Ref. 1965. 450 P564
- 65705 JEANLOZ, R. W., and BALAZS, E. A. The amino sugars; the chemistry and biology of compounds containing amino sugars. Volume IIB. Metabolism and interactions. New York, Acad. Press, 1966. 516 p. QP701.J4
Review of the literature.
Bibliography, p.399-487.
Includes references to plants and poultry for which index should be consulted.
- 65706 JOHNS, S. R., and LAMBERTON, J. A. Cassythia alkaloids. I. New aporphine alkaloids from *Cassythia filiformis* L. *Australian J. Chem.* 19(2):296-302. Ref. Feb.1966. 475 Au73
- 65707 JOSHI, R. N. Protein, peptide and free amino acid contents of *Oplismenus burmannii* (Retz.) P. Beauv. *Indian J. Agr. Sci.* 35(4):282-290. Ref. Dec.1965. 22 Ag831
- 65708 KANAZAWA, T., KANAZAWA, K., and MORIMURA, Y. New arginine-containing peptides isolated from *Chlorella* cells. *Plant Cell Physiol.* 6(4):631-643. Ref. Dec.1965. 450 P699
Cultured algal cells.
- 65709 KANDLER, O., and SENSER, M. Occurrence of trehalose in *Botrychium lunaria*. (Ge) *Z. Pflanzenphysiol.* 53(2):157-161. Aug.1965. 450 Z32
English summary.
- 65710 KARUNAKARAN, A., KARUNAKARAN, M. E., and QUACKENBUSH, F. W. Carotenoid biosynthesis in *Neurospora crassa*: incorporation of 2-C^{14} -mevalonate during control of pigmentation by continuous culture. *Arch. Biochem. Biophys.* 114(2):326-330. Ref. May 1966. 381 Ar2
- 65711 KASPRZYK, Z., GRZELCZAK, Z., and PYREK, J. Thin-layer chromatographic characterization of ether-soluble terpenoid compounds in plants of the Compositae family. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(11/12):661-665. 1965. 512 W262
- 65712 KATTERMAN, F. R. H., and EGGLE, D. R. RNA composition in cotton. *Plant Physiol.* 41(3):553-556. Mar.1966. 450 P692
- 65713 KAUSS, H. Isolation and identification of allose from *Ochromonas* (Chrysomonadales). (Ge) *Z. Pflanzenphysiol.* 53(1):58-63. July 1965. 450 Z32
English summary.
- 65714 KELLEY, J. D., and SHIER, R. W. Seasonal changes in the micronutrient composition of leaves and stems of *Taxus media*. *Amer. Soc. Hort. Sci. Proc.* 87:545-550. Ref. Dec.1965. 81 So12
- 65715 KERIMOV, S. SH. Heraclenine extracted from roots of *Hippomarathrum microcarpum* (M.B.) B. Fedtsch. Umbelliferae. (Rus) *Zhur. Prikladnoi Khim.* 39(3):660-664. Ref. 1966. 385 Z64
- 65716 KHALIFAH, R. A., LEWIS, L. N., and COGINS, C. W. Differentiation between indoleacetic acid and the citrus auxin by column chromatography. *Plant Physiol.* 41(2):208-210. Ref. Feb.1966. 450 P692
- 65717 KHARCHENKO, L. N. Composition of essential oil in seeds of some *Brassica* L. species. (Ukr) *Ukr. Bot. Zhur.* 22(6):3-8. Ref. 1965. 450 J8212J
English summary.
- 65718 KHOLODOVA, V. P. Fractional composition of the proteins of poppy seeds in connection with its physiological functions. (Rus) *Fiziol. Rast.* 11(6):1038-1046. Ref. 1964. 450 F58
English summary.
- 65719 KIENTZ, J. F., GREIG, J. K., and MITCHELL, H. L. Sugar components of sweet corn cultivars as influenced by maturity. *Amer. Soc. Hort. Sci. Proc.* 87:313-317. Dec.1965. 81 So12
Determination by paper chromatography.
- 65720 KIKUCHI, T. Studies on the pathway of sulfide production in a copper-adapted yeast. *Plant Cell Physiol.* 6(2):195-210. Ref. June 1965. 450 P699
- 65721 KLIMENKO, V. G. On protein-free nitrogen in several plants. (Rus) *Resp. Nauchn. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii. Trudy* 1:32-40. 1964. Not in Libr.
Sunflowers and beans.
Abstracted in Ref. *Zh. Biol. Khim.* 19:108. Oct.10,1965. 241.7 R252
- 65722 KLIMOVITSKAYA, Z. M., and KOVAL'CHUK, M. I. Differential centrifugal separation of homogenates of root systems in different plants in connection with contents of manganese. (Rus) *In Mikroelementy v zhizni rast., zhivotnykh i cheloveka* 1964:45-52. Not in Libr.
Abstracted in Ref. *Zh. Biol.* 22(sect.G):8. Nov.1965. 241.7 R25
- 65723 KLOSS, P. On the bitter substances of *Luffa operculata* Cogn. (Ge) *Arch. Pharm.* 299(4):351-355. Ref. Apr.1966. 396.8 Ar2A
- 65724 KLUYVER, A. J., and PERGUIN, L. H. C. Concerning the conditions of kojic acid formation by *Aspergillus flavus* Link. 17 p. *Transl.* 15776
Translation from *Biochemische Zeitschrift* 266:82-95. 1933.
- 65725 KLUYVER, A. J., and PERGUIN, L. H. C. On the method of investigation of change of mold metabolism. 16 p. *Transl.* 15776
Translation from *Biochemische Zeitschrift* 266:68-81. 1933.
- 65726 KLYACHKO-GURVICH, G. L. Directed biosynthesis of carbohydrates in *Chlorella*. (Rus) *Fiziol. Rast.* 11(6):978-987. Ref. 1964. 450 F58
English summary.
- 65727 KNEZEK, B. D., and MAIER, R. H. Fractionation of iron in chlorotic and nonchlorotic tomato leaf tissue. *J. Agr. Food Chem.* 14(3):266-268. Ref. May/June 1966. 381 J8223
- 65728 KOELLING, M. R., and KUCERA, C. L. Dry matter losses and mineral leaching in bulwax standing crop and litter. *Ecology* 46(4):529-532. Ref. Early summer 1965. 410 Ec7
Andropogon spp.
- 65729 KOLESNIKOV, P. A. The biochemical aspects of respiration and photosynthesis. 8 p. Ref. (TT 63-19283) *Transl.* 15281
Plants.
Translation from *Vsesoyuznaya Konferentsiya po Problemam Fotosinteza. Doklady* 2:346-352. 1959.
Issued by CFSTI.

- 65730 KOLLE, G. Use of the Kraft spot test method in plant culture for determining nicotine in green tobacco plants. 8 p. Transl. 15286
Translation from *Zuchter* 31(6):263-265. 1961.
- 65731 KOMATSU, M., and TOMIMORI, T. Studies on the constituents of *Swertia japonica*: isolation and structure of new flavonoids, Swertisin and Swertiajaponin. *Tetrahedron Lett.* 15:1611-1617. Apr. 1966. 385 T29
- 65732 KOSHCHEENKO, K. A., and others. Hydrolysis of steroid esters by *Mucorales*. (Rus) *Prikl. Biokhimiya i Mikrobiol.* 1(2):181-185. 1965. 385 P93
G. K. Skryabin, V. K. Eroshin, L. M. Kogan, and I. V. Torgov, joint authors.
Actinomucor corymbosus and *Mucor lamprosporus*.
Abstracted in *Ref. Zh. Biol.* 20(sect.B):39. Oct. 1965. 241.7 R25
- 65733 KOTZE, J. P., and LATZKO, E. Changes in the activity of enzymes in glycolysis as well as in the citric acid cycle and the pentose phosphate cycle of germinating spring barley. (Ge) *Z. Pflanzenphysiol.* 53(4):320-333. Ref. Nov. 1965. 450 Z32
English summary.
- 65734 KRETOVICH, V., and TOKAREVA, R. Interaction between amino acids and sugars at elevated temperatures. 17 p. Ref. Transl. 15262
In plants.
Translation from *Biokhimiya* 13(6):508-515. 1948.
- 65735 KRISHNASWAMY, N. R., SESHADRI, T. R., and SHARMA, B. R. Xanthosine from *Trifolium alexandrinum* seeds. *Cur. Sci.* 35(1):11-12. Jan. 5, 1966. 475 Sci23
- 65736 KUO, T. T. The metabolism of indoleacetic acid by *Pseudomonas savastanoi* (E.F.Sm.) Stevens. *Diss. Abs.* 26(10):5638-5639. Apr. 1966. 241.8 M58
- 65737 KUPCHAN, S. M., and ABUSHANAB, E. Buxus alkaloids. IX. The isolation and constitution of cyclobuxoxine. *J. Org. Chem.* 30(11):3931-3933. Ref. Nov. 1965. 381 J827
- 65738 KUTYURIN, V. M., and KNYAZEV, V. P. Water content in chlorophyll a and b. 5 p. Ref. (TT 63-18601) Transl. 15355
Translation from *Akademiya Nauk SSSR. Doklady* 149(2):456-459. 1963.
Issued by CFSTI.
- 65739 LAN, T. C. Relationship between accumulation and distribution of glucose in wheat and its ability to winter. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136: 17-27. Jan. 15, 1965. (JPRS 28,321; TT 65-30138) 173 J663Teco
Translation from *Chung Kuo Nung Yeh K'o Hsueh* 10:8-12.
Issued by CFSTI.
- 65740 LARSEN, B., HAUG, A., and PAINTER, T. J. Sulphated polysaccharides in brown algae. I. Isolation and preliminary characterisation of three sulphated polysaccharides from *Ascomyllum nodosum* (L.) Le Jol. *Acta Chem. Scand.* 20(1):219-230. Ref. 1966. 385 Ac82
- 65741 LASHUK, G. I. The effect of transplantation on the synthesis of alkaloids in different species of the genus *Nicotiana*. 7 p. Transl. 15265
Translation from *Akademiya Nauk SSSR. Doklady* 60:1357-1359. 1948.
- 65742 LAVIE, D., JAIN, M. K., and KIRSON, I. Terpenoids. V. Melanone from *Melia azedarach* L. *Tetrahedron Lett.* 19:2049-2052. May 1966. 385 T29
- 65743 LEE, J. A., and WOOLHOUSE, H. W. Chlorophyll content of *Deschampsia flexuosa* seedlings grown on a calcareous and a non-calcareous soil. *Nature [London]* 209(5027):1044-1045. Mar. 5, 1966. 472 N21
- 65744 LEFEBVRE, G., LECLERE, M., and GAY, R. Glycolic acid production by *Aspergillus niger*. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(14): 1600-1603. Apr. 4, 1966. 505 P21
- 65745 LEONT'EV, V. B., MATVEEVA, A. P., and SADYKOV, A. C. Study of the spacial structure of anabasine with the aid of complex formation reaction. (Rus) *Tashkentsk. Un-t. Nauchn. Tr.* 263:40-52. 1964. Not in Libr.
Extracted from *Anabasis aphylla*.
Abstracted in *Ref. Zh. Khim.* 19(sect. Zh):133. Oct. 1965. 241.64 R252
- 65746 LETHAM, D. S., and MILLER, C. O. Identity of kinetin-like factors from *Zea mays*. *Plant Cell Physiol.* 6(2):355-359. June 1965. 450 P699
Zeatin.
- 65747 LEWAK, S. Vitexin glycosides in hawthorn [*Crataegus oxyacantha*] leaves. (Pol) *Rocz. Chem.* 40(3):445-450. 1966. 385 R59
English summary.
- 65748 LEWIS, H. L., and JOHNSON, G. T. Intermediates of fatty acid metabolism by *Cunninghamella echinulata*. *Mycologia* 58(1):136-147. Ref. Jan./Feb. 1966. 450 M99
- 65749 LIEBERT, H. P., and WARTENBERG, H. Studies on the content of tartaric acid and malic acid in ripening grapes. (Ge) *Deut. Bot. Ges. Ber.* 78(3):115-121. Ref. 1965. 451 D48
- 65750 LLOYD, H. A. Alkaloids of *Astrocasia phyllantoides*. II. *Astrophylline*. *Tetrahedron Lett.* 50:4537-4540. Dec. 1965. 385 T29
- 65751 LÖRINCZ, MRS. GY., and TYHAK, E. Study of terpene components of *Coriandrum sativum* L. during ontogenesis. (Rus) *Herba Hung.* 4(2): 191-208. 1965. 71.8 H413
German summary.
- 65752 LOSEV, A. P. Method for obtaining radiochemically pure xanthophylls. (Rus) *Fiziol. Rast.* 11(6):1098-1104. Ref. 1964. 450 F58
English summary.
Chromatography used.
- 65753 LUDLOW, C. J., HARRIS, T. M., and WOLF, F. J. An analysis of the free sugars of ferns by gas-liquid chromatography. *Phytochemistry* 5(2):251-257. Ref. Mar. 1966. 450 P5622
- 65754 LUDNIKOVA, L. A. Determination of the growth substances in fruit set of tomato by histochemical method. (Rus) In *Polysakharidy plodov i ovoshchei i ikh izmenchivost' pry sozrevanii i pererabotke* 1965:86-91. Not in Libr.
Abstracted in *Ref. Zh. Biol.* 22(sect.G):12. Nov. 1965. 241.7 R25
- 65755 MACKO, V., and NOVACKY, A. Contribution to the study of plant peroxidase isozymes by means of disc electrophoresis on acrylamide gel. *Biologia [Bratislava]* 21(2):128-132. Ref. 1966. 442.8 B5265
- 65756 MACLEAN, F. I., FORREST, H. S., and MYERS, J. Characterization of the reduced pteridine in *Anacystis nidulans*. *Arch. Biochem. Biophys.* 114(2):404-413. Ref. May 1966. 381 Ar2
- 65757 MACMILLAN, P. C., and BRANDT, W. H. Possible role of a peroxidative system in melanin synthesis in *Verticillium*. *Antonie van Leeuwenhoek J. Microbiol. Serol.* 32(2):202-211. Ref. 1966. 448.8 N28A
Verticillium albo-atrum.
- 65758 MADHOSINGH, C. Pigmented bacteriostatic substances and amino acids produced by *Phlebopus sulphureus* and *Phlebopus lignicola*. *Appl. Microbiol.* 14(3):331-336. Ref. May 1966. 448.3 Ap5
- 65759 MASSY-WESTROPP, R. A., and REYNOLDS, G. D. Eremophilane sesquiterpenes from *Eremophila mitchelli*. *Australian J. Chem.* 19(2): 303-307. Ref. Feb. 1966. 475 Au73
- 65760 MATSUKA, M., and HASE, E. Metabolism of glucose in the process of "glucose-bleaching" of *Chlorella protothecoides*. *Plant Cell Physiol.* 6(4):721-741. Ref. Dec. 1965. 450 P699
When grown in a glucose containing medium without added nitrogen source.
- 65761 MATUSIAK, K., JAROSZYNSKA, T., and KRZYWICKA, A. Activity of antibacterial substance in *Chlorella vulgaris* and *Chlorella pyrenoidosa* at various stages of their development cycle and the influence of light on the process. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(11/12):667-671. Ref. 1965. 512 W262
Tests with inhibition of *Bacillus subtilis*.

- 65762 MAYNE, B. C., and CLAYTON, R. K. Luminescence of chlorophyll in spinach chloroplasts induced by acid-base transition. *Nat. Acad. Sci. Proc.* 55(3):494-497. Ref. Mar.1966. 500 N21P
- 65763 MAZUS, B., and KLECZKOWSKI, K. Aspartate carbamoyltransferase in higher plants. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 13(4):207-210. 1965. 512 W262
- 65764 MCGOVERN, J. P., HAYWOOD, T. J., and MC-ELHENNEY, T. R. Airborne algae and their allergenicity. II. Clinical and laboratory multiple correlation studies with four genera. *Ann. Allergy* 24(4):145-149. Apr.1966. 448.8 An72
- 65765 MCNAIR, J. B. Studies in plant chemistry, including chemical taxonomy, ontogeny, phylogeny, etc. Los Angeles, 1965. 389 p. Ref. QK861.M3
- 65766 MESHCHERYAKOV, A. M. The determination of total nitrogen and phosphorus in plants. (Rus) *Tadzhikskii Sel'skokhozyaistvennyi Institut. Trudy* 6:84-95. 1964. (Not in Libr.) Abstracted in Ref. *Zh. Biol.* 19(sect.G):9. Oct.1965. 241.7 R25
- 65767 METZENBERG, R. L., and PARSON, J. W. Altered repression of some enzymes of sulfur utilization in a temperature-conditional lethal mutant of *Neurospora*. *Nat. Acad. Sci. Proc.* 55(3):629-635. Ref. Mar.1966. 500 N21P *Neurospora crassa*.
- 65768 MEYNHARDT, J. T., ROMANI, R. J., and MAXIE, E. C. Evidence for the occurrence of the pentose phosphate pathway in ripening Bartlett pear fruit tissue. *So. Afr. J. Agr. Sci.* 8(3):691-701. Ref. Sept.1965. 24 Su3
- 65769 MILLER, L. A., and ROMANI, R. J. Sucrose density gradient distribution of mitochondrial protein and enzymes from preclimacteric and climacteric pears. *Plant Physiol.* 41(3):411-414. Ref. Mar.1966. 450 P692
- 65770 MINAMIKAWA, T., and URITANI, I. Phenylalanine ammonia-lyase in sliced sweet potato roots. *Agr. Biol. Chem.* 29(11):1021-1026. Ref. Nov.1965. 385 Ag8B
- 65771 MITCHELL, R., and SABAR, N. Autolytic enzymes in fungal cell walls. *J. Gen. Microbiol.* 42(1):39-42. Ref. Jan.1966. 448.3 J823 In *Pythium butleri* and *P. myriotylum*.
- 65772 MITCHELL, R. L., and ANDERSON, I. C. Photoinactivation of catalase in carotenoidless tissues. *Crop Sci.* 5(6):588-591. Ref. Nov./Dec. 1965. 64.8 C883 Experiments with corn seedlings and bacterium *Sarcina lutea*.
- 65773 MIYACHI, S., and MIYACHI, S. Sulfolipid metabolism in *Chlorella* [ellipsoidea]. *Plant Physiol.* 41(3):479-486. Ref. Mar.1966. 450 P692
- 65774 MIYACHI, S., MIYACHI, S., and BENSON, A. A. Metabolism of phospholipids and galactolipids by *Chlorella* cells. *Plant Cell Physiol.* 6(4):789-792. Dec.1965. 450 P699
- 65775 MOLLOV, N., and others. Alkaloids in *Thalictrum minus* L. a variety distributed in Bulgaria. (Ge) *Bulgarska Akad. Nauk. Dokl.* 18(9):849-851. 1965. 512 So2 H. Dutschewska, H. Kirjakov, B. Pjuskjulev, V. Georgiev, D. Jordanov, and P. Panov, joint authors.
- 65776 MOLNAR, GY. Studies on the stabilization of alkaloid production of saprophytic *Claviceps purpurea* Fr. Tul. cultures. (Hu) *Herba Hung.* 4(1):89-107. Ref. 1965. 71.8 H413 German summary.
- 65777 MORIMOTO, H., and MATSUMOTO, N. Contents of *Lespedeza bicolor* var. *japonica*. II. (Ge) *Justus Liebig's Ann. Chem.* 692:194-199. 1966. 384 An7
- 65778 MORITA, Y., and others. Studies on amylases of *Aspergillus oryzae* cultured on rice. I. *Agr. Biol. Chem.* 30(2):114-121. Feb.1966. 385 Ag8B K. Shimizu, M. Ohga, and T. Korenaga, joint authors.
- 65779 MOSBACH, K., and EHRENSVARD, U. Studies on lichen enzymes. I. Preparation and properties of a depside hydrolysing esterase and of orsellinic acid decarboxylase. *Biochem. Biophys. Res. Commun.* 22(2):145-150. Jan.24, 1966. 442.8 B5236 *Umbilicaria pustulata*.
- 65780 MOSBACH, K., and LJUNGCRANTZ, I. Biosynthetic studies on barnol, a novel phenolic compound of *Penicillium baarnense*. *Physiol. Plant.* 18(1):1-7. 1965. 450 P564
- 65781 MOTHES, K. Chemical pattern and development in the plant world. (Ge) *Naturwissenschaften* 52(21):571-585. Ref. Nov.1,1965. 474 N213
- 65782 MOUTSCHEN, J., and LEBUCQ, J. Effects of neoarsphenamine and ethyl methane sulfonate in *Schizosaccharomyces pombe* Linder. (Fr) *Rev. Ferment. Indus. Aliment.* 20(5):165-168. 1965. 390.08 R32
- 65783 MUKHERJEE, R., and CHATTERJEE, A. Structure and synthesis of nudiflorine, a new pyridone alkaloid. *Tetrahedron* 22(4):1461-1466. Ref. Apr.1966. 382 T29 From *Trewia nudiflora*.
- 65784 MUKHIN, E. N., and AKULOVA, E. A. Participation of pea ferredoxin in the photoreduction of NADP. (Rus) *Akad. Nauk SSSR. Dokl.* 167:1177-1180. Ref. 1966. 511 P444A
- 65785 MULLER, C. H., and MORAL, R. DEL. Soil toxicity induced by terpenes from *Salvia leucophylla*. *Torrey Bot. Club. Bull.* 93(2):130-137. Mar./Apr.1966. 451 T63B
- 65786 MULLER, H. M. Studies on the oxygen metabolism of *Aspergillus niger*. II. (Ge) *Arch. Mikrobiol.* 53(1):77-91. Ref. 1966. 442.8 Ar26 English summary.
- 65787 MYAKUSHKO, V. K., and VANZHA, O. V. Activity of choline in the roots and rhizosphere of arboreal plants. (Ukr) *Ukr. Bot. Zhur.* 22(6):101-103. 1965. 450 J8212J
- 65788 NAKI, N. Some properties of sulfite reductase from yeast. *Plant Cell Physiol.* 6(2):179-194. Ref. June 1965. 450 P699
- 65789 NETHIEN, G., and COMBET, J. Obtaining stem tissues of *Datura metel* (L) cultivated in vitro: nitrogenous biochemical modifications. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1084-1086. Mar.7,1966. 505 P21
- 65790 NICHIFORESCO, E., and COUCOU, V. On the distribution of ortho-dihydroxyphenols of caffeic acid type in artichoke leaves and their variation in relation to temperature. (Fr) *Ann. Pharm. Franc.* 24(2):127-132. Feb.1966. 396.8 An7
- 65791 NIJLAND, M. M., LAER, A. M. H. VAN., and UFFELIE, O. F. Occurrence of jatrorrhizine and columbamine in *Enantia polycarpa* (DC) Engler and Diels; paper chromatographic separation of palmatine and berberine. (Du) *Pharm. Weekbl.* 101(8):405-407. May 6,1966. 396.8 P4922 English summary.
- 65792 NOVACKY, A., MACKO, V., and HASSLER, J. Disk electrophoresis of plant proteins on acrylamid gel. (Cz) *Biologia [Bratislava]* 21(1):64-68. Ref. 1966. 442.8 B5265 English summary.
- 65793 NOVAK, E. K., and others. Investigation on the oligosaccharide decomposition of *Candida soosii* Novak. *Acta Biol. N. S.* 11(1/2):83-86. 1965. 442.8 Ac86 F. Kevei, B. Olah, and J. Zsolt, joint authors.
- 65794 NOWACKI, E., NOWACKA, D., and BYERRUM, R. U. Investigation on the in vivo transformation of lupanine and related alkaloids. *Acad. Polon. Sci. Bull. Ser. Sci. Biol.* 14(1):25-30. Ref. 1966. 512 W262 In lupine.
- 65795 NYC, J. F., KADNER, R. J., and CROCKEN, J. A repressible alkaline phosphatase in *Neurospora crassa*. *J. Biol. Chem.* 241(7):1468-1472. Ref. Apr.10,1966. 381 J824
- 65796 OI, S., KONISHI, I., and SATOMURA, Y. Structural studies on "isosclerotin," a new glucan isolated from *Sclerotinia fungus*, by physical, chemical and enzymatic methods. *Agr. Biol. Chem.* 30(3):266-273. Ref. Mar.1966. 385 Ag8B

- 65797 OSETROV, V. I., and WO-SHI HAN. Interrelations between the alkaloids of celandine (*Chelidonium majus* L.) and the oxidase and chlorophyllase activity. (Ukr) Ukr. Bot. Zhur. 22(6): 45-50. Ref. 1965. 450 J8212J
English summary.
- 65798 PALFI, G. A comparative study of the N, P and amino acid content of colchicine treated polyploid paprika plant. Acta Biol. N. S. 11 (1/2):87-92. Ref. 1965. 442.8 Ac86
Capsicum annum.
- 65799 PALMIERI, F. Quantitative determination of phytosterols. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:321-332. Ref. 1964/65. 105.4 P83
English summary.
Forage plants.
- 65800 PALMIERI, F., and LANDI, A. Flavonoid pigments of *Coleus blumei* (cultivar The Chief and Frilled Fantasy). (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:561-570. Ref. 1964/65. 105.4 P83
English summary.
- 65801 PANT, R., and SRIVASTAVA, S. C. Proteolytic activity of some plant latex. Cur. Sci. 35(2):42-43. Jan.20,1966. 475 Sci23
- 65802 PARIS, R. R., DELAVEAU, P. G., and LEIBA, S. Presence of heterosides C in *Bryonia dioica* Jack. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(12):1372-1374. Mar.21,1966. 505 P21
Includes extraction of flavonoids.
- 65803 PARISI, B., and CIFERRI, O. Protein synthesis by cell-free extracts from castor bean seedlings. I. Biochemistry 5(5):1638-1645. Ref. May 1966. 381 B523
- 65804 PATEL, G. M., and PATEL, K. C. Ascorbic-acid-oxidase and ascorbic acid of gamma-irradiated groundnut during germination. (Ge) Z. Pflanzenernahr. Dungung, Bodenkn. 11(3): 213-220. Ref. Dec.1965. 394 Z343A
- 65805 PATEL, M. B., and POISSON, J. Alkaloids of *Tabernaemontana* (*Conopharyngia*) *pachysiphon* Stapf. (Fr) Soc. Chim. France. Bull. 1:427-428. Jan.1966. 383 P21B
- 65806 PATTERSON, G. W., and KRAUSS, R. W. Sterols of *Chlorella*. I. The naturally occurring sterols of *Chlorella vulgaris*, *C. ellipsoidea*, and *C. saccharophila*. Plant Cell Physiol. 6 (2):211-220. Ref. June 1965. 450 P699
- 65807 PAUPARDIN, C. The nature of phenolic acids present in the nodule tissues of the Jerusalem artichoke (*Helianthus tuberosus* L. variety violet of Rennes) grown in vitro. (Fr) Acad. Sci. Compt. Rend. 261(20):4206-4208. Ref. Nov.15,1965. 505 P21
- 65808 PAVLOV, A. N., and KOLESIK, T. I. Utilization of nitrogen in synthesis of various proteins in maize grain studied with aid of N¹⁵. (Rus) Fiziol. Rast. 12(2):285-288. 1965. 450 F58
English summary.
- 65809 PECKET, R. C. Development of anthocyanin pigmentation in flowers of *Lathyrus odoratus*. J. Expt. Bot. 17(50):177-184. Ref. Feb.1966. 450 J8224
- 65810 PEEL, A. J. The sugars concerned in the tangential movement of 14C-labelled assimilates in willow. J. Expt. Bot. 17(50):156-164. Ref. Feb.1966. 450 J8224
- 65811 PERESYPKIN, V. F., and GOTSULYAK, V. D. Biochemical characteristics of wheat resistance to rust. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 3:442-447. 1965. 511 Sa2B
Caused by *Puccinia triticea*.
Abstracted in Ref. Zh. Biol. 22(sect.G):14. Nov.1965. 241.7 R25
- 65812 PERLEY, J. E., and STOWE, B. B. On the ability of *Taphrina deformans* to produce indole-acetic acid from tryptophan by way of tryptamine. Plant Physiol. 41(2):234-237. Ref. Feb.1966. 450 P692
- 65813 PETERSON, C. A., and COSSINS, E. A. Participation of the glyoxylate cycle in the metabolism of ethanol by castor bean endosperm tissues. Can. J. Biochem. 44(4):423-432. Ref. Apr.1966. 470 C16E
During germination.
- 65814 PETTERSSON, G. New metabolites from *Leontodon degener*. Acta Chem. Scand. 20(1):45-50. Ref. 1966. 385 Ac82
- 65815 PETTERSSON, G. On the role of 6-methylsalicylic acid in the biosynthesis of fungal benzoquinones. Acta Chem. Scand. 20(1):151-158. Ref. 1966. 385 Ac82
- 65816 PETTERSSON, G. An orsellinic acid decarboxylase isolated from *Gliocladium roseum*. Acta Chem. Scand. 19(9):2013-2021. Ref. 1965. 385 Ac82
- 65817 PLOUVIER, V. Studies on heterorites in Saxifragaceae: deutzioside new isolate from Deutria; the presence of skimm in Hydrangea. (Fr) Acad. Sci. Compt. Rend. 261(20):4268-4271. Nov.15,1965. 505 P21
- 65818 PODKOWINSKA, H., and WIEWIORSKI, M. Omega-Feruloyloxylupinan, a new lupin alkaloid. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(11/12): 623-627. 1965. 512 W262
- 65819 PORTER, C. A., JAWORSKI, E. G. The synthesis of chitin by particulate preparations of *Allomyces macrogynus*. Biochemistry 5(4):1149-1154. Ref. Apr.1966. 381 B523
- 65820 POUSSET, J. L., and POISSON, J. Rauwolfia alkaloids; new alkaloids from the leaves of *Rauwolfia vomitoria* mosaic virus of tomatoes. Franc. 23(12):733-738. Dec.1965. 396.8 An7
- 65821 PRAGER, R. H., and THREDGOLD, H. M. Some neutral constituents of *Acronychia bauei*. Australian J. Chem. 19(3):451-454. Mar. 1966. 475 Au73
Isolated from bark.
- 65822 PRUSAKOVA, L. D. Growth inhibitors of wheat x quackgrass hybrids resistant and non-resistant to lodging. (Rus) Fiziol. Rast. 11(6):1063-1069. Ref. 1964. 450 F58
English summary.
- 65823 RADKOV, D., and GARELKOV, D. Chemical composition of browse depending on harvesting time. (Bu) Gorskostopanska Nauk. 2(5):421-429. Ref. 1965. 99.8 G683
French summary.
- 65824 RAMANATHAN, J. D., and others. The occurrence of D-(+)-14/25-cyclohexanetetrol in *Monochrysis lutheri* Droop. Tetrahedron Lett. 14:1527-1531. Apr.1966. 385 T29
J. S. Craigie, J. McLachlan, D. G. Smith, and A. G. McInnes, joint authors.
- 65825 RAMIREZ, J. M., and others. Ferredoxin-nitrite reductase from spinach. Biochim. Biophys. Acta 118(1):58-71. Ref. Apr.12,1966. 381 B522
F. F. del Campo, A. Paneque, and M. Losada, joint authors.
- 65826 RAYMOND, W. F. Biochemical aspects of quality in grasses. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:259-271. Ref., p.270-271. 1965, pub.1966. S217.E2
Literature review.
- 65827 RICKETTS, T. R. Magnesium 2,4-divinylphaeoporphyrin a5 monomethyl ester, a protochlorophyll-like pigment present in some unicellular flagellates. Phytochemistry 5(2): 223-229. Ref. Mar.1966. 450 P5622
- 65828 RIGAUD, J. Synthesis of indole-3-lactic acid and tryptophol by *Rhizobium* cultivated in the presence of tryptophane. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):100-102. Ref. Jan.3,1966. 505 P21
- 65829 ROBERTS, D. B. Immunochemical and enzymatic studies on glutamate dehydrogenase and a related mutant protein from *Neurospora crassa*. J. Bacteriol. 91(5):1888-1895. Ref. May 1966. 448.3 J82
- 65830 ROMANOVA, A. S., and BAN'KOVSKII, A. I. Methods of quantitative determination of derived anthracene in rhubarb roots. (Rus) Ap-techn. Delo 14(1):74-78. Ref. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.N):50. Oct.1965. 241.64 R252
- 65831 ROSIK, J., and others. The structural features of cherry-tree gum (*Prunus avium* L. var. *juliana* L.). Collect. Czech. Chem. Commun. 31(3):1072-1078. Ref. Mar.1966. 385 C68
V. Zitko, S. Bauer, and J. Kubala, joint authors.

- 65832 ROSIK, J., ZITKO, V., and KUBALA, J. Structure of sour cherry-tree gum (*Prunus cerasus* L.). Collect. Czech. Chem. Commun. 31(4): 1569-1577. Ref. Apr.1966. 385 C68
- 65833 RUBAN, E. L., and LOBYREVA, L. B. Biosynthesis of tryptophan by yeasts from the genus *Hansenula*. (Rus) Prikl. Biokhimiya i Mikrobiol. 1(1):74-77. 1965. 385 P93
Abstracted in Ref. Zh. Biol. 20(sect.B):29. Oct.1965. 241.7 R25
- 65834 RUBIN, B. A., CHERNAVINA, I. A., and KRENDELEVA, T. E. On the role of flavo- and copper-protein enzymes in oxidative metabolism of variegated plants [*Chlorophytum comosum*]. (Rus) Fiziol. Rast. 12(2):204-209. 1965. 450 F58
English summary.
- 65835 RUDAKOVA, E. V. Connection of manganese and zinc with protein in leaves of sugar beets. (Rus) In Mikroelementy v zhizni rast., zhivotnykh i cheloveka 1964:53-61. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.G):7. Nov.1965. 241.7 R25
- 65836 RUPPEL, H. G., and WYK, D. VAN. The desoxyribonucleic acid in chloroplasts of *Antirrhinum majus*. (Ge) Z. Pflanzenphysiol. 53(1):32-38. Ref. July 1965. 450 Z32
English summary.
- 65837 SAMORODOVA-BIANKI, G. B. Interrelationship between flavonol and ascorbic acid accumulation in black currant berries. (Rus) Fiziol. Rast. 12(2):210-215. Ref. 1965. 450 F58
English summary.
- 65838 SANDERSON, G. W., and PERERA, B. P. M. Removal of polyphenolic compounds interfering with carbohydrate determinations in plant extracts with an insoluble polyphenol adsorbent. Analyst 91(1082):335-336. Ref. May 1966. 382 A1
With particular reference to the biochemistry of tea.
- 65839 SANTESSON, J. Studies on the chemistry of lichens. 24. Thin layer chromatography of aldehydic aromatic lichen substances. Acta Chem. Scand. 19(9):2254-2256. Ref. 1965. 385 Ac82
- 65840 SAPHONOV, W. I., and SAPHONOVA, M. P. Improved method for electrophoresis of plant proteins in a polyacrylamide gel. (Rus) Fiziol. Rast. 11(6):1105-1109. 1964. 450 F58
English summary.
- 65841 SASTRY, P. S., and KATES, M. Biosynthesis of lipids in plants. II. Incorporation of glycerophosphate-³²P into phosphatides by cell-free preparations from spinach leaves. Can. J. Biochem. 44(4):459-467. Ref. Apr.1966. 470 C16E
- 65842 SCHMALFELD, H. W., and CAROLUS, R. L. Nutrient redistribution in the tulip. Amer. Soc. Hort. Sci. Proc. 86:701-707. June 1965. 81 So12
- 65843 SEELY, M. K. A comparative study of the hydroxynitrile lyase from sorghum and almond. Diss. Abs. 26(10):5703. Apr.1966. 241.8 M58
- 65844 SHARMA, N. K., and SHARMA, V. N. Chemical investigation of *Anacardium giganteum*. Indian J. Chem. 4(2):99. Ref.1966. 385 In294
- 65845 SHCHERBANOVSKYI, L. P. On the presence of coumarin derivatives in cherry and prune leaves. (Ukr) Ukr. Biokhim. Zhur. 37(6):915-919. 1965. 385 Uk72
English summary.
- 65846 SHEVYAKOVA, N. I., and LOSHADKINA, A. P. Variation of the sulphydryl group content in plants under salinization conditions. (Rus) Fiziol. Rast. 12(2):332-339. Ref. 1965. 450 F58
English summary.
Broadbeans.
- 65847 SHIMIZU, K., and MORITA, Y. Studies on phyto-peroxidase. XVIII. Chemical composition of Japanese-radish peroxidase c. Agr. Biol. Chem. 30(2):149-154. Feb.1966. 385 Ag8B
- 65848 SHLYK, A. A., and others. Fractionating homogenized pigments of green leaves. (Rus) Akad. Nauk SSSR. Dokl. 167:706-709. Ref. 1966. 511 P444A
L. I. Fradkin, R. A. Chkanikova, L. K. Sukh-
over, joint authors.
Barley.
- 65849 SHOTWELL, O. L., and others. Production of aflatoxin on rice. Appl. Microbiol. 14(3):425-428. Ref. May 1966. 448.3 Ap5
C. W. Hesseltine, R. D. Stubblefield, and
W. G. Sorenson, joint authors.
By *Aspergillus flavus*, grown in rice culture
media.
- 65850 SISLER, E., and JOHNSON, W. H. Effect of temperature and moisture on the inactivation of o-diphenol oxidase. Plant Cell Physiol. 6(4):645-651. Dec.1965. 450 P699
In tobacco.
- 65851 SLAVIKOVA, L., and SLAVIK, J. Alkaloids of Papaveraceae. XXXII. On the alkaloids of *Hunnemannia fumariaefolia* Sweet and the composition of the alkaloid HF 1. (Ge) Collect. Czech. Chem. Commun. 31(3):1355-1362. Mar.1966. 385 C68
- 65852 SOKOLOVA, S. M. Content of proteinaceous substances in seeds of different representatives of the tribe Festuceae of the family Gramineae. 6 p. Transl. 15187
Translation from Evolutsionnaya Biokhimiya Rastenii 1964:60-69.
- 65853 SOLOV'EV, V. P., and ZAKHAROVA, N. I. Determination of manganese in plant ash by a polarographic method. (Rus) Fiziol. Rast. 12(2):357-360. Ref. 1965. 450 F58
English summary.
Beans.
- 65854 SORGER, G. J., and EVANS, H. J. Effect of univalent cations on the properties of yeast NAD⁺ acetaldehyde dehydrogenase. Biochim. Biophys. Acta 118(1):1-8. Ref. Apr.12,1966. 381 B522
- 65855 SPENCER, R. R., and others. Lucernol and sativol, two new coumestans from alfalfa (*Medicago sativa*). J. Agr. Food Chem. 14(2): 162-165. Ref. Mar./Apr.1966. 381 J8223
E. M. Bickoff, R. E. Lundin, and B. E.
Knuckles, joint authors.
- 65856 SRIWATANAPONGSE, S., and BAUMAN, L. F. Oil content as a measure of seed quality in corn (*Zea mays* L.). Crop Sci. 6(1):88. Jan./Feb.1966. 64.8 C883
- 65857 STEVENSON, R. A., LUGO UFRET, S., and TOM-DIECIDUE, A. Trace element analyses of some marine organisms. Inter-Amer. Symp. Peaceful Appl. Nucl. Energy. [Pap.] 5th Symp.:233-239. Ref. 1964, pub.1965. 173 At7Pi
Including plants.
- 65858 STOUT, E. R., and FRITZ, G. J. Role of oxygen fixation in hydroxyproline biosynthesis by etiolated seedlings. Plant Physiol. 41(2):197-202. Ref. Feb.1966. 450 P692
Tests with maize and soybeans and radio-
active nitrogen.
- 65859 SUDA, S., and CURTIS, R. W. Antibiotic properties of malfornin. Appl. Microbiol. 14(3):475-476. May 1966. 448.3 Ap5
Produced by *Aspergillus niger*.
- 65860 SUYAMA, Y., and BONNER, W. D. DNA from plant mitochondria. Plant Physiol. 41(3):383-388. Ref. Mar.1966. 450 P692
Chiefly vegetables.
- 65861 TAIRA, H. Studies on amino acid contents in plant seed. I. Amino acid contained in the seed of Gramineae. 5 p. Ref. Transl. 14460
Translation from Botanical Magazine 75(888): 242-243. June 1962.
- 65862 TAIRA, H. Studies on amino acid contents in plant seed. II. Amino acid pattern of seed protein fractions of Gramineae. 6 p. Transl. 14459
Translation from Botanical Magazine 75:273-277. 1962.
- 65863 TANAKA, H., and others. Yellow pigments of *Aspergillus niger* and *Asp. awamori*. I. Agr. Biol. Chem. 30(2):107-112. Feb.1966. 385 Ag8B
P. L. Wang, O. Yamada, and T. Tamura, joint
authors.

- 65864 TANAKA, M., and others. The amino acid sequence of *Clostridium pasteurianum* ferredoxin. *Biochemistry* 5(5):1666-1681. Ref. May 1966. 381 B523
T. Nakashima, A. Benson, H. Mower, and K. T. Yasunobu, joint authors.
- 65865 TANNER, W., and BEEVERS, H. The competition between the glyoxylate cycle and the oxidative breakdown of acetate in *Ricinus* [communis] endosperm. I. The metabolism of isocitrate in endosperm extracts. *Z. Pflanzenphysiol.* 53 (1):72-85. Ref. July 1965. 450 Z32
- 65866 TATAR, J. Comparative studies for determination of volatile oil content of drug plants using various methods. (Hu) *Herba Hung.* 4(2):209-224. Ref. 1965. 71.8 H413
German summary.
- 65867 TAVAKOLI, M., and WILEY, R. C. Qualitative determination of enzymatic degradation products obtained from apple cell-wall polysaccharides. *Amer. Soc. Hort. Sci. Proc.* 87:104-112. Dec. 1965. 81 So12
Includes chromatography.
- 65868 TAYLOR, W. I., and RAYMOND-HAMET. On the constitution of ourouparin, alkaloid of *Orouparia gambir* (Roxburgh) Baillon. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(10):1141-1143. Mar. 7, 1966. 505 P21
- 65869 THOMAS, D. W., ACHENBACH, H., and BIE-MANN, K. 15-(14'-eburnamyl) pleiocarpine (pleiomutine), a new dimeric indole alkaloid from *Pleiocarpa mutica* Benth. *Amer. Chem. Soc. J.* 88(7):1537-1544. Apr. 5, 1966. 381 Am33J
- 65870 TING, I. P., and DUGGER, W. M. CO₂ fixation in *Opuntia* roots [echinocarpa]. *Plant Physiol.* 41(3):500-505. Ref. Mar. 1966. 450 P692
- 65871 TOLGYESI, GY. Data on the mineral content of some drug plants. (Hu) *Herba Hung.* 4(2):181-190. 1965. 71.8 H413
German summary.
- 65872 TOMES, M. L., and JOHNSON, K. W. Carotene pigments of an orange-fleshed watermelon. *Amer. Soc. Hort. Sci. Proc.* 87:438-442. Ref. Dec. 1965. 81 So12
- 65873 TONOMURA, B., and LEWIN, R. A. Acid-soluble nucleotides of *Chlamydomonas moewusii*, wild type and a paralyzed mutant. *Plant Cell Physiol.* 6(4):671-680. Ref. Dec. 1965. 450 P699
Algae.
- 65874 TROXLER, R. F., and BOGORAD, L. Studies on the formation of phycocyanin, porphyrins, and a blue phycobilin by wild-type and mutant strains of *Cyanidium caldarium*. *Plant Physiol.* 41(3):491-499. Mar. 1966. 450 P692
The effects of ultraviolet rays.
- 65875 TULLOCH, A. P., and WEENINK, R. O. Hydroxy-beta-diketones from wheat leaf wax. *Chem. Commun.* 8:225-226. Apr. 27, 1966. 382 C4223
- 65876 UBAEV, KH., YULDASHEV, P. KH., and YUNUSOV, S. YU. Study of the alkaloids from *Vinca erecta* Rgl. et. Schmalh. roots. (Rus) *Akad. Nauk Uzbekskoi SSR. Dok.* 10:34-37. 1964. Not in Libr.
Vincanidine.
Abstracted in Ref. *Zh. Khim.* 19(sect. Zh):132. Oct. 1965. 241.64 R252
- 65877 UREY, J. C. Enzyme induction in *Neurospora crassa*. *Diss. Abs.* 26(10):5708. Apr. 1966. 241.8 M58
- 65878 VERTREGT, N., and PANNEBAKKER, E. G. Dopachrome formation in potatoes. *Wageningen. Inst. Biol. Scheikundig Onderz. Landbouw-gewassen. Meded.* 280/295:113-116. 1965. 60.9 W123
- 65879 VINOGRADOVA, Z. A. Biochemical study of blue-green algae of the Dnieper Liman and the northwestern Black Sea Region. (Rus) *In Ekol. i Fiziol. Sinezelen. Vodoroslei* 1965:187-195. Not in Libr.
Cited in Ref. *Zh. Biol. Khim.* 19:106. Oct. 10, 1965. 241.7 R252
- 65880 VIOLANTE, P., and COPPOLA, S. The lipide fraction of *Torulopsis corallina* (Saito) Cil. et Red. (It) *Naples. Univ. Fac. Sci. Agr. Ann.* (ser. 3) 30:147-167. Ref. 1964/65. 105.4 P83
English summary.
- 65881 VOROB'EV, L. N. Intracellular chloride activity in *Nitella*. (Rus) *Biofizika* 10(2):358-359. 1965. Not in Libr.
Cited in Ref. *Zh. Biol. Khim.* 19:106. Oct. 10, 1965. 241.7 R252
- 65882 WASEL, Y., NEUMAN, R., and ESHEL, Y. Could protein synthesis be directly related to the uptake of Rb by excised barley roots? *Physiol. Plant.* 18(4):1034-1036. 1965. 450 P564
- 65883 WALI, Y. A., and HASSAN, Y. M. Qualitative chromatographic survey of the sugars prevailing in some horticultural crops. *Amer. Soc. Hort. Sci. Proc.* 87:264-269. Dec. 1965. 81 So12
From Egypt; chiefly fruit and vegetables.
- 65884 WALKER, J. R. L., and HULME, A. C. Studies on the enzymic browning of apples. III. Purification of apple phenolase. *Phytochemistry* 5 (2):259-262. Ref. Mar. 1966. 450 P5622
- 65885 WANG, T. H. Distribution of vegetable alkaloids in plant life. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 284: 4-18. Feb. 2, 1966. (JPRS 33,972; TT 66-30415) 173 J663Tcco
Translation from Sheng Wu Hsueh T'ung Pao 6:1-6. Nov. 1965.
- 65886 WANN, E. V., and THOMPSON, A. E. Anthocyanin pigments in asparagus. *Amer. Soc. Hort. Sci. Proc.* 87:270-273. Dec. 1965. 81 So12
- 65887 WEIR, C. C. Rapid chemical determination of iron, manganese, zinc and copper in citrus leaves. *Trop. Agr. [St. Augustine]* 43(2):149-152. Apr. 1966. 26 T754
- 65888 WILLIAMS, R. H. The identification of prodigiosin and similar compounds. *Diss. Abs.* 26 (10):5709. Apr. 1966. 241.8 M58
Serratia marcescens.
- 65889 WITHAM, F. H., and MILLER, C. O. Biological properties of a kinetin-like substance occurring in *Zea mays*. *Physiol. Plant.* 18(4):1007-1017. Ref. 1965. 450 P564
- 65890 WOLF, F. T. The effects of some synthetic quinones on the Hill reaction in spinach chloroplasts. *Phytochemistry* 5(2):263-265. Ref. Mar. 1966. 450 P5622
- 65891 WRIGLEY, C. W., WEBSTER, H. L., and TURNER, J. F. Electrophoresis of the soluble proteins of wheat leaf. *Nature [London]* 209 (5028):1133-1134. Mar. 12, 1966. 472 N21
- 65892 YABLOKOV, YU. N. Change in chemical composition of pea seeds in relation to variety and cultural conditions. (Rus) *Leningrad. Sel'skokhoz. Inst. Zap.* 90(6):70-74. 1964. 106 L543
Cited in Ref. *Zh. Biol. Khim.* 19:185. Oct. 10, 1965. 241.7 R252
- 65893 YAKUBOVA, M. M. Effects of foliar application of magnesium sulfate on biosynthesis of pigments in cotton. (Rus) *In Fiziol. rast.-sel'sk. kh.-vu.* 1964:77-80. 1965. Not in Libr.
Abstracted in Ref. *Zh. Biol.* 22(sect. G):6. Nov. 1965. 241.7 R25
- 65894 YAKUBOVSKII, K. B. Effect of ammonium and nitrate feeding on the synthesis of protein and non-protein compounds in plant leaves in ontogeny. (Rus) *Resp. Nauchn. Konferentsiya Fiziologov i Biokhimikov Rast. Moldavii. Trudy* 1:233-238. 1964. Not in Libr.
In corn and peas.
Abstracted in Ref. *Zh. Biol. Khim.* 19:108. Oct. 10, 1965. 241.7 R252
- 65895 YAMAMOTO, Y. NAD kinase in higher plants. *Plant Physiol.* 41(3):523-528. Ref. Mar. 1966. 450 P692
- 65896 YANG, S. F. Biochemical studies on the effect of fluoride on higher plants. *Diss. Abs.* 26(10): 5660-5661. Apr. 1966. 241.8 M58
- 65897 YOUNG, M. R., TOWERS, G. H. N., and NEISH, A. C. Taxonomic distribution of ammonia-lyases for L-phenylalanine and L-tyrosine in relation to lignification. *Can. J. Bot.* 44(3): 341-349. Ref. Mar. 1966. 470 C16C
- 65898 YUNG, K. H., and MUDD, J. B. Lipid synthesis in the presence of nitrogenous compounds in *Chlorella pyrenoidosa*. *Plant Physiol.* 41(3): 506-509. Ref. Mar. 1966. 450 P692

- 65899 ZAKRZHEVSKII, D. A., and OLLYKAINEN, A. M. Quantitative determination of the main carotenoids in conifers. (Rus) *Fiziol. Rast.* 11 (6):1082-1083. 1964. 450 F58
- 65900 ZELINKA, J., and SYHOROVA, V. The level of biotin in the mycelium of *Streptomyces aureofaciens* during the fermentation. (Cz) *Biologia [Bratislava]* 21(2):105-108. 1966. 442.8 B5265
German summary.
- 65901 ZENCHENKO, V. A. Non-enzymatic oxidation of seed embryos from wheat of northern origin. (Rus) *Fiziol. Rast.* 12(2):242-246. Ref. 1965. 450 F58
English summary.
- 65902 ZENK, M. H., and GROSS, G. G. Reduction of veratric acid to veratrylaldehyde and veratryl alcohol by cellfree extracts of *Polystictus versicolor* L. (Ge) *Z. Pflanzenphysiol.* 53(4):356-362. Ref. 450 Z32
English summary.
- 65903 ZIMMERER, R. P., and HAMILTON, R. H. The incorporation of ^{32}P orthophosphate into the phospholipids of elongating *Avena coleoptiles*. *Plant Cell Physiol.* 6(4):681-687. Ref. Dec.1965. 450 P699
Oats.
- 65904 ZSOLDOS, F. Investigation of the speed of primary synthesis of amino acids in young rice plants. (Ge) *Acta Biol. N. S.* 11(1/2):107-114. Ref. 1965. 442.8 Ac86
- 65905 ZUSSMAN, R. A. Aromatic biosynthesis in *Trichophyton rubrum*. *Diss. Abs.* 26(10):6084-6085. Apr.1966. 241.8 M58

FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

General

- 65906 ADAMS, M. V. Field crop recommendations. Rutgers State Univ. Ext. Leaflet. 327-C, 23 p. Feb.1966. 275.29 N46L
Varieties; includes forage crops.
- 65907 ALFRED, G. Crop rotation, fertilizing, and weed and pest control are boundary stones to success. (Ge) *Presse-Umschau* 17(4):1-10. 1966. 19 L237
- 65908 AMERICAN SOCIETY OF AGRONOMY. Agronomy abstracts; 1965 annual meetings. Columbus, Ohio, 1965. 134 p. 241 Am39
- 65909 ARORA, P. N., and PANDEY, S. L. Vegetable rotations are remunerative. *Indian Farming* 15(12):22-23. Mar.1966. 22 In283
- 65910 BOGUSLAWSKI, E. VON, and DEBRUCK, J. How far simplified crop rotations? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(8):275-279. Feb.24, 1966. 18 N39
- 65911 BULLEN, E. R. Break crops on heavy land. Great Brit. Min. Agr. Fish. Food. Agr. 73(3):125-130. Mar.1966. 10 G79J
Catch crops.
- 65912 CH'AI, P. C. Primary report on intercropping of cotton and wheat in southern Shansi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 159:6-13. Mar.15,1965. (JPRS 29,107; TT 65-30506) 173 J663Teco
Translation from Chung-kuo Nung Yeh K'o Hsueh 5:48-50. 1964.
Issued by CFSTI.
- 65913 CIZEK, J., and others. *Rukovet' agronoma* [Handbook on field crops culture]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 441 p. S517.C95C5
- 65914 COSTA, J. V. B. DA. On field trials; simple things that are sometimes ignored. (Por) *Agros [Lisboa]* 48(1/2):31. Jan./Apr.1965. 15.5 Ag82
- 65915 GESSLEIN, S. Crop research on the basis of future agricultural production volume and production trends. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 73:24-39. 1965. 11 Up62A
- 65916 GLIEMEROTH, G. Lasting crop rotation operations. (Ge) *Hohenheim. Landwirt. Hochsch. Reden Abhandl.* 18:11-25. 1964. 105.8 H683R
- 65917 GREAT BRITAIN. NATIONAL AGRICULTURAL ADVISORY SERV. TERRINGTON EXPERIMENTAL HUSBANDRY FARM. Terrington; sixth annual review, 1965. Norfolk, 1966. 48 p. 101 G79
Field crops.
- 65918 HO, L. H. Preliminary study on the farming method under drought conditions in West Hailungkiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:1-7. Aug.16, 1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Culture methods in dry farming.
Translation from Chung-kuo Nung Yeh K'o Hsueh 2:11-14. Feb.15,1965.
Issued by CFSTI.
- 65919 HUNGARY. ORSZAGOS MEZOGAZDASAGI FAJTA-ES TERMELES-TECHNIKAI MINISZTERISZET. News on variety and production technique qualification [by the National Institute for the Qualification of Agricultural Varieties and Production Techniques]. (Hu) *Magyar Mezogazdasag* 21(17):12-13. Apr.27, 1966. 19 M27
Field crops.
- 65920 HUTIN, C. Identification of species in laboratory and in the field, varieties and cultivars. (Fr) *Int. Seed Testing Ass. Proc.* 30(3):549-564. 1965. 61.9 In84P
Includes discussion.
- 65921 INDIAN AGRICULTURAL RESEARCH INSTITUTE. Improved crop varieties and their yields. *Indian Farming* 15(2):35-40. May 1965. 22 In283
Chiefly field crops.
- 65922 KOEHLER, G. The functions of the Union of State Farms for Seeds and Planting Stock [VVB Saat- und Pflanzgut] in the propagation of seeds and planting stock of the Deutsche Demokratische Republik. (Ge) *Deut. Landwirt.* 17(3):121-123. Mar.1966. 18 D4822
- 65923 KOOISTRA, E. Ten years of breeding research with legumes 1954-1964. (Du) *Landbouwdocumentatie* 21(23):791-808,810-814. Ref. June 5,1965. 241 N38
- 65924 KUDRNA, K., and KRECH, O. *Zakladni agrotechnika* [Basic agronomy]. Praha, Statni Pedagogicke Nakladatelstvi, 1965. 420 p. Ref. (Ucebni Texty Vysokych Skol) S517.C95K8
- 65925 LARSEN, P. H. Production planning in agriculture. III. Planning of crop production. (Da) *Tolvmandsbladet* 38(2):100-106, map. Feb. 1966. 11 T58
Field crop culture and fertilizing.
- 65926 LEBEDIK, A. I. *Osnovy agronomii* [Basis for agronomy]. Moskva, Vysshaya Shkola, 1966. 207 p. SB99.U4L4
- 65927 LINDBERG, G., and SVENSSON, B. Automatic data processing, a report on trends. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 74:51-57. 1965. 11 Up62A
In agronomy research.
- 65928 LISTE, H. J. Crop rotations in the U.S.S.R. (Ge) *Kuhn-Arch.* 79(2):181-237. 1965. 105.8 H15Ku
English summary.
Bibliography, p.232-237.
- 65929 MANSSON, T. The Kalmar Branch of the Swedish Seed Association [Sveriges Utsadesforenings Kalmarfilial]. (Sw) *Sveriges Utsadesforen. Tidskr.* 75(6):385-394. 1965. 61.9 Sv23
English summary.
Chiefly on field crop breeding.
- 65930 MATTSO, R. Crop culture. (Sw) Uppsala. Lans Hushallningssallsk. Handl. 147:25-33. 1965. 11 Up6

- 65931 MURESAN, T. Create new agricultural varieties and hybrids and improve existing ones. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:43-46. Apr.12,1966. (JPRS 34,999; 66-31437) 173 J663Ste
For field crops in Rumania.
Translation from Viata Economica 9:10-11. Mar.1966.
Issued by CFSTI.
- 65932 OTTO, H. J., and others. Crop production guide for Minnesota. Minn. Univ. Ext. Ext. Pam. 194,rev.,chart,map. Dec.1965. 275.29 M66P
J. R. Justin, G. R. Miller, C. J. Overdahl, and L. D. Hanson, joint authors.
- 65933 PARODI, L. R., ed. Enciclopedia argentina de agricultura y jardineria. Volumen II. El cultivo de las plantas utiles. Parte 1-2 [Argentinian encyclopedia of agronomy and horticulture. Volume II. Culture of economic plants. Part 1-2]. Buenos Aires, Editorial Acme, 1964. 2 v.,map. 457.1 P242
- 65934 PEGUIGNOT, and RECAMIER. Activity in 1964 of the research and experimentation center of the National Higher Agronomy School of Grignon [Ecole Nationale Supérieure Agronomique de Grignon]. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 51(15):1021-1024. Nov.3/10,1965. 14 P215Bc
Includes discussion.
- 65935 PIEL, J. C. Certified agronomists for higher agricultural teaching and their role in Europe. (Fr) Agriculture [Paris] 29(287):119,121,123-126. Mar.1966. 14 Ag823
- 65936 PIRES, R. V. Twenty-five years of scientific activity of the National Agronomical Station [Estacao Agronomica Nacional]. (Por) Agron. Lusitana 25(1):XXV-XLIV. 1963,pub.1966. 105.7 Ag8
- 65937 PROF. J. V. Botelho Da Costa: contribution to a chronological report of published bibliography. (Por) Agros [Lisboa] 48(1/2):33-39. Jan./Apr.1965. 15.5 Ag82
Agronomy.
- 65938 ROTHAMSTED EXPERIMENTAL STATION. Numerical results of the field experiments, 1964. Harpenden, 1965. various paging. 103 R74Rf
- 65939 SIPOS, G. A simple layout for polyfactorial experiments. (Rum) Probl. Agr. [Bucharest] 18(3):114-119. Mar.1966. 21 R862
In agronomy.
- 65940 SOTO MARTINEZ, C. A. Determination of optimal size of useful experimental parcel for sesame in Iguala, Gro. (Sp) Agr. Tec. Mex. 2 (5):207-209. July 1965. 8 Ag839
- 65941 SYMPOSIUM ON SULFUR IN AGRICULTURE, MUSCLE SHOALS, 1966. [Agronomic papers presented]. Soil Sci. 101(4):229-235,map. Ref. Apr.1966. 56.8 So3
Sponsored by the Tennessee Valley Authority and the Sulphur Institute.
- 65942 TAAGER, A., comp. Rastenievodstvo [Breeding of plants]. Tallinn, Eesti Raamat, 1964. 814 p. SB185.T3
Text in Estonian.
Field crops.
- 65943 WAGENINGEN, INSTITUUT VOOR BIOLOGISCH EN SCHEIKUNDIG ONDERZOEK VAN LANDBOUWGEWASSEN. Jaarboek [Annual report of the Institute of Biological and Chemical Research on Field crops and Herbage]. 1965. Wageningen. Inst. Biol. Scheikundig Onderz. Landbougewassen. Meded. 280/295,125 p. Ref. 1965. 60.9 W123
- 65944 WELLHAUSEN, H. W., WOODALL, W. E., and NESTER, R. P. Field crops seedling guide; fall, 1966, spring, 1967—varieties, rates, dates. Ark. Univ. Ext. Leaflet. 249,rev.,4 p.,map. Apr. 1966. 275.29 Ar4Le
Published jointly with Arkansas Agricultural Experiment Station.
Cereals
- 65945 AGUILAR RIEGA, J. E. Yield test with maize (top-cross) using the square balance lattice method. (Sp) La Plata, Univ. Nac. Fac. Agron. Rev. 41(1a):53-71. 1964,pub.1965. 9 R32
English summary.
- 65946 AKADEMIYA NA SELSKOSTOPANSKITE NAUKI. Pshenitsata v Bulgariya [Wheat in Bulgaria]. Sofiya, Izdatel'stvo na Bulgarskata Akademiya na Naukite, 1965. 408 p. Ref. SB191.W5A3
- 65947 ALBRECHTSEN, R. S., and others. New varieties of small grain. S. Dak. Farm Home Res. 17(1):19-22. Winter 1966. 100 So82S
J. J. Bonnemann, G. W. Buchenau, V. D. Pederson, D. G. Wells, and L. S. Wood, joint authors.
- 65948 ASHMAN, R. B. 1965 hybrid popcorn performance trials. Ind. Agr. Exp. Sta. Res. Progr. Rep. 228,17 p. Mar.1966. 100 In2Res
- 65949 BENGTTSSON, A., and TOSIO, G. Trials with different quantities of spring grain seeds planted. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 74:45-50. 1965. 11 U62A
- 65950 BOLLIICH, C. N., and others. Dawn—a blast [Piricularia oryzae] resistant, early maturing, long grain rice variety. Rice J. 69(4):14,16,18, 20. Apr.1966. 59.8 R36
J. G. Atkins, J. E. Scott, and B. D. Webb, joint authors.
Texas.
- 65951 BORKOVSKAYA, V. A. Overwintering oats in the foothill districts of the northern Caucasus. (Rus) Vsesoyuznyi Institut Rastenievodstva. Maikopskaya Opytnaya Stantsiya Nauchnye Trudy 3:42-49. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:16. July 1965. Film S-202
- 65952 BOROJEVIC, S. On the efficiency of the incomplete backcross method in wheat breeding. (Se) Savremena Poljoprivreda 13(5):403-415. May 1965. 21 P75
English summary.
- 65953 BOWMAN, D. H. Dawn—its performance in Mississippi. Rice J. 69(4):23,26. Apr.1966. 59.8 R36
Rice variety, resistant to blast fungus disease.
- 65954 CAFFERA, R. Varietal panorama of Argentine wheat production. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 209:1-48. Ref. May 1965. 9 Id3
- 65955 CATALINA, L. Selection of corn seeds. (Sp) Cult. Mod. 49(1):9-10. Jan.1966. 15 C89
- 65956 CAUDERON, A. Barley in the semi-mountain. (Fr) Rev. Agr. France 40:8-9. May 1965. 14 R326
Culture.
- 65957 CHALAM, G. V. Taichung Native 1 promises rice in plenty. Indian Farming 15(7):34-35. Oct.1965. 22 In283
- 65958 CH'EN, Y. K., and others. Research on the cultivation measures and diagnosis from the seedling ecology of a high-yield late-grown non-glutinous rice (Oryza sativa). U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:1-24. Ref. Aug.9,1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
C. L. Ts'ui, L. C. Yang, and Y. K. T'ang, joint authors.
Translation from K'o Hsueh T'ung Pao 12: 1037-1050. Dec.17,1964.
Issued by CFSTI.
- 65959 CH'EN YU-P'ING, P'ENG TSU-NIEN, and T'AN CHUNG-HO. Experience on bringing about high yield in rice crop cultivation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:8-20. Aug.16,1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 2:25-30. Feb.15,1965.
Issued by CFSTI.
- 65960 CHINESE ACADEMY OF SCIENCES, INSTITUTE OF PEDOLOGY. Concerning our study of rice high-yield experience of Ch'en Yung-K'ang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 206:11-19. Aug.16,1965. (JPRS 31,564; TT 65-32060; CSO 3576-D) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 5:382-386. May 1965.
Issued by CFSTI.
- 65961 CHOUDHURY, D., and CHAKRABORTY, K. Maize growing in Assam hills. Indian Farming 15(5):22-23. Aug.1965. 22 In283

- 65962 CHU, H. C. Selective breeding process of Su-tao No. 1, a late Keng rice. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136:28-31. Jan.15,1965. (JPRS 28,321; TT 65-30138) 173 J663Tcco
Translation from Chung Kuo Nung Yeh K'o Hsueh 10:42-43. 1963.
Issued by CFSTI.
- 65963 CUOCOLO, L. Results of biennial tests conducted in the lower Volturmo with recently developed hybrid corns. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:375-391. Ref. 1964/65. 105.4 P83
English summary.
Yields.
- 65964 DAVIER, G. VON. Four years of grain corn culture in northern Germany. (Ge) Mitt. Deut. Landwirt.-Ges. 81(15):623-625. Apr.14,1966. 18 N39
- 65965 DAYAL, R., and SINGH, G. Between them cereal and legume give better return. Indian Farming 15(11):14. Feb.1966. 22 In283
Interplanting of wheat and gram for better yields.
- 65966 DECROLIERE, A. Does spelt culture remain interesting? (Fr) Rev. Agr. [Brussels] 19(2): 195-202. Feb.1966. 13 R322
Includes varieties and yields.
- 65967 DENMARK. STATENS FORSGSVIRKSOMHED I PLANTEKULTUR. Winter rye variety trials. (Da) Tidsskr. Planteavl 69(4):590-592. 1966. 11 T439
- 65968 DIAZ DEL PINO, A. Corn culture. (Sp) Tierra [Mexico] 20(5):363,409-411. (Cont.) May 1965. 8 T445
Mexico.
- 65969 DIVAKARAN, K. Young seedlings yield more ragi. Indian Farming 15(12):9. Mar.1966. 22 In283
- 65970 DJOKIC, A. Hybrid 013, a new Yugoslav variety of wheat. (Se) Savremena Poljoprivreda 13(5):387-402. May 1965. 21 P75
French summary.
- 65971 DMITRIEVA, V. I. Study of the corn varieties in Ivanovo Region. (Rus) Zdravookhranenie Belorussii 1:86-91. 1965. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:25. July 1965. Film S-202
- 65972 DOBBEN, W. H. VAN. Systems of management of cereals for improved yield and quality. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:320-334. Ref. 1965, pub.1966. S217.E2
Literature review.
Planting and fertilizing.
- 65973 FABRIANI, G., FIGLIUZZI, E., and FRATONI, A. Influence of land location and previous cultures on the yield and quality of Italian soft wheats. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:13-15. 1962, pub.1965. TP368.15
- 65974 FILOTAS, J., and ANTAL, E. Yield forming effect of planting density. (Hu) Magyar Mezőgazdaság 21(15):5. Apr.13,1966. 19 M27
Corn.
- 65975 FOGLINO, F. First repetition of a preliminary comparative experiment on hard wheats at the Ousseltia Experimental Center in central Tunisia. (It) Riv. Agr. Subtrop. Trop. 59(1/3): 55-60. Jan./Mar.1965. 26 Ag82
English summary, p.6 of supplement.
- 65976 GADEA, M., and MARTINEZ, E. A. Fifteenth year of experiments with new wheat varieties 1962-63. (Sp) Spain. Inst. Nac. Invest. Agron. An. 14(2):201-257. 1965. 15 Sp18
- 65977 GADEA, M., and MARTINEZ, E. A. Fourteenth year of experiments with new wheat varieties 1961-62. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):45-101. 1965. 15 Sp18
- 65978 GADEA, M., and MARTINEZ, E. A. Sixteenth year of experimentation with new wheat varieties 1963-64. (Sp) Spain. Inst. Nac. Invest. Agron. An. 14(4):349-401. 1965. 15 Sp18
- 65979 GORODOVIKOV, B. Growing rice on the Sarpa lowlands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:15-16. Mar.30,1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Translation from Sovetskaya Rossiya, Mar.11, 1966:1.
Issued by CFSTI.
- 65980 GRABE, D. F., and FREY, K. J. Seed quality and planting rates affect oat yields. Iowa Farm Sci. 20(8):7-9, map. Feb.1966. 275.28 Io94
- 65981 GROSSMAN, L. G., and YAKUBSTISINER, M. M. Winter wheat varieties in the socialistic countries of Europe. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:148-152. Feb.1966. 20 V633
- 65982 GRUNEWALD, G. Culture and fertilizing of summer grain types. (Ge) Chem. Tech. Landwirt. 17(3):92,94-95. Mar.1966. 384 C4292
- 65983 GUEVARRA, A. B., and CHANG, T. T. Internode elongation in rice varieties of reduced plant stature. Philippine Agr. 49(1):23-42. Ref. June 1965. 25 P542
Breeding and varietal tests; includes effects of weather.
- 65984 HAYS, W. E. Moravian brewing barley program for the San Luis Valley. Crop Comments 20(2): 7. Mar./Apr.1966. 57.8 C88
- 65985 HEILUNGKIANG. DEPT. OF AGRICULTURE. SEED SECT. Grasp firmly the opportunity and develop work on artificial pollination and hybridization of corn. 3 p. (JPRS 4417) Transl. 14809
Translation from Heilungkiang Jih-pao. Aug.2, 1960:2.
Issued by CFSTI.
- 65986 HERMSEN, J. G. T. Towards a more efficient utilization of genic male sterility in breeding hybrid barley and wheat. Euphytica 14(3):221-224. Nov.1965. 450 Eu6
- 65987 HICKS, D. R., SCOTT, W. O., and PENDLETON, J. W. Farmers' experiences with narrow-row corn. Ill. Res. 8(1):13. Winter 1966. 100 IL64
- 65988 HONYA, K. Reclamation of lowland field and its cultivation method for rice. (Ja) Tohoku Nat. Agr. Exp. Sta. Bull. 32:27-40, map. Mar. 1965. 107.6 M822
English summary.
- 65989 JACKSON, B. R., and others. Winter barley and winter oat variety tests. Progress report, 1966. Okla. Agr. Exp. Sta. Process. Ser. P-533, 19 p. Apr.1966. 100 Ok4M
C. L. Moore, A. M. Schlehuber, R. Peck, and H. Pass, joint authors.
- 65990 JAHN-DEESBACH, W. Malting barley culture—difficult, but successful! (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):532-534, 536. Mar.31, 1966. 18 N39
- 65991 JEN, H. P. A good seed planted will yield a thousand good grains for food. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 172:61-63. Apr.19,1965. (JPRS 29,641; TT 65-30762) 173 J663Tcco
Wheat varieties.
Translation from Hsueh K'o Hsueh 8:13. 1964.
Issued by CFSTI.
- 65992 JEVTIC, S. The effect of border location on some quantitative properties of corn and wheat. (Se) Savremena Poljoprivreda 13(5):417-430. Ref. May 1965. 21 P75
English summary.
Chiefly effect on yields.
- 65993 JODON, N. E., and SONNIER, E. A. Dawn—performance and seed production in Louisiana. Rice J. 69(4):20, 22. Apr.1966. 59.8 R36
Rice variety, noted for its resistance to blast fungus disease.
- 65994 JOHNSTON, T. H., and others. Dawn rice—its performance in Arkansas. Rice J. 69(4):26-28. Apr.1966. 59.8 R36
G. E. Templeton, J. L. Sims, V. L. Hall, and K. O. Evans, joint authors.
Variety, resistant to blast disease fungus *Piricularia oryzae*.

- 65995 JURKO, D., and MACAN, M. Wheat production in Croatia in 1964. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 342:9-14. Feb.26,1965. (JPRS 28,905) 173 J663Ste
Includes acreage and production regions.
Translation from Agronomski Glasnik 8/9: 581-585. Aug./Sept.1964.
Issued by CFSTI.
- 65996 KEON, M. Asia's staff of life. Freedom Hunter 7(40):15-20. Jan./Feb.1966. 389.8 F872
Early history of rice culture.
- 65997 KOHLI, S. P., and ANDERSON, R. G. Lerma Rojo can double your wheat yield. Indian Farming 15(7):32-33. Oct.1965. 22 In283
- 65998 KRISHNAN, R. H., and SOUNDARARAJAN, T. G. Yield of paddy in the Kuruvai, Samba and Thaladi seasons. Madras Agr. J. 52(8):347-349. Aug.1965. 22 M262
- 65999 LAGARON YANEZ, C. Origin of hybrid corn. (Sp) Vida Agr. [Lima] 42(496):139,141. Mar. 1965. 9.8 V66
- 66000 LAMBERT, R. J., and others. Performance of commercial corn hybrids in Illinois, 1963-1965. Ill. Univ. Ext. Circ. 923,32 p.,map. Jan.1966. 275.29 IL62C
W. D. Pardee, G. L. Ross, and K. E. Williams, joint authors.
- 66001 LEWICKI, S., and STYK, B. Studies on buckwheat. V. Variability of the physical properties of seed as depending on cultivation methods. 12 p. (OTS 61-11394) Transl. 14303
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(4):549-559. 1958.
CFSTI: \$0.50.
- 66002 LIU TUNG-HUI, and T'AN KUO-CH'ANG. Research on cultivation techniques and theory of high-yield Indian corn. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:1-19. July 8,1965. (JPRS: 30,987; TT: 65-31485) 173 J663Tcf
Translation from Hei-lung-chiang Nung Yeh 1:15-24. Jan.1965.
Issued by CFSTI.
- 66003 LU CH'ANG-WEN, and NAN PING-YUAN. Experience and problems in the rotation of lowland and upland crops. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:20-29. July 8,1965. (JPRS: 30,987; TT: 65-31485) 173 J663Tcf
Rotation of rice with other crops.
Translation from Hei-lung-chiang Nung Yeh 1:25-29. Jan.1965.
Issued by CFSTI.
- 66004 LUPTON, F. G. H. Studies in the breeding of self pollinating cereals. 5. Use of the incomplete diallel in wheat breeding. Euphytica 14 (3):331-352. Ref. Nov.1965. 450 Eu6
- 66005 MADER, W. Breeding and culture of durum wheat in Austria. (Ge) Getreide Mehl 16(4): 43-44. Apr.1966. 298.8 G332
- 66006 MAHUESWARAN, K. Synthesis of a red glumed periamanjol cholam (Sorghum durra var. Coimbatoreicum) with juicy stalks. Madras Agr. J. 52(1):18-19. Jan.1965. 22 M262
Breeding of hybrids, grown for grain and fodder.
- 66007 MALINOVSKII, B. N. Improving vigor in the first generation of sorghum hybrids. 5 p. (JPRS 24,705; OTS 64-31305) Transl. 14203
Translation from Agrobiologiya 1:148-151. 1962.
CFSTI: \$.50.
- 66008 MANDAL, R. C., VIDYABHUSHANAM, R. V., and SANTHANAM, V. Ratooning in hybrid sorghum gives more food and fodder. Indian Farming 15(8):30-31. Nov.1965. 22 In283
- 66009 MANDLOI, K. K., and others. Ganga Safed-2 can replace Sumeri in Malwa. Indian Farming 15(4):8. July 1965. 22 In283
S. K. Dubey, S. K. Nigam, and P. K. Tiwari, joint authors.
Corn hybrids.
- 66010 MANSSON, E. Results of variety and fertilizer trials. (Sw) Hallands Lans Hushallningssallsk. Tidskr. 9(1):4-13. Jan.1966. 11 H152
Grain and potatoes.
- 66011 MCGAHEN, J. H., and others. 1964 Pennsylvania corn performance studies. Penn. Agr. Exp. Sta. Progr. Rep. 264,30 p. Feb.1966. 100 P381P
W. F. Craig, W. I. Thomas, and D. E. Baker, joint authors.
Hybrids.
- 66012 MEHLICH, A. Production of maize for grain and mulching materials. Kenya Coffee 31(363): 105-109. Ref. Mar.1966. 68.29 C652
- 66013 MENG LI-MIN, and CHIA EN-MING. The experience of Liaoning in cultivating rice seedling with the help of plastic film. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 72:21-28. Aug.16,1965. (JPRS: 31,556; TT: 65-32052) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 2:46-49. Feb.15,1965.
Issued by CFSTI.
- 66014 MIGUNOVA, A. M., and PARFENOV, L. P. Rice cultivation in Rostov Region. (Rus) Gidrotekh. Melior. 4:21-26. Apr.1966. 290.8 G362
- 66015 MIHALYFALVY, I. Results of a crop rotational experiment. (Hu) Magyar Mezogazdasag 21 (15):14. Apr.13,1966. 19 M27
Rice culture.
- 66016 MITCHELL, W. H. Profit farming with corn. Del. Univ. Ext. Bull. 86,22 p. 1965. 275.29 D37
Hybrids and yields.
- 66017 MITCHELL, W. H., RALPH, E. H., and WISK, E. L. Field tests with hybrid corn. Del. Univ. Ext. Bull. 88,19 p. Jan.1966. 275.29 D37
- 66018 MPATAGIANNES, K. Progress on a large scale culture; new varieties of wheat. (Gre) Delt. Agrotikes Trapezes 143:19-20. Mar./Apr.1965. 21.7 D38
- 66019 MURPHY, C. F. Heteroic responses in oats. Crops Sci. 6(1):84-85. Jan./Feb.1965. 64.8 C883
- 66020 NANDA, D. K. Evaluation of eight inbred lines of maize (Zea mays L.) Crop Sci. 6(1):67-69. Ref. Jan./Feb.1966. 64.8 C883
- 66021 NEZAMUDDIN, S., and AKHTAR, M. A 404, A 407, the ragi varieties for Bihar. Indian Farming 15(11):23. Feb.1966. 22 In283
- 66022 NGO DUY DONG. Thai Binh scored new success with intensive cultivation. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 10:84-92. Nov.9,1965. (JPRS: 32,783; TT: 65-33361) 173 J663Th
Rice yields.
Translation from Hoc Tap 10:48-53. Oct. 1965.
Issued by CFSTI.
- 66023 NGO DUY DONG. Thai Binh strives to have five tons of rice per hectare. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 220: 1-7. Jan.5,1966. (JPRS 33,598; TT 66-30042) 173 J663Trn
Cultural practices.
Translation from Nhan Dan, Nov.28,1965:2.
Issued by CFSTI.
- 66024 NORTH CENTRAL CORN BREEDING RESEARCH COMMITTEE. Report of the minutes of the meeting, Chicago, Illinois, March 2-3, 1966. Washington, U. S. Agr. Res. Serv., Crops Res. Div., 1966. 35 p. A59.9 R312
- 66025 OSYCHKIN, N. Land development for rice cultivation in Kuban'. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:4-6. June 7,1965. (JPRS 30,451) 173 J663Tso
Translation from Sel'skaya Zhizn, Apr.20, 1965:3.
Issued by CFSTI.
- 66026 PALANIANDI, V. G., THANDAVARAYAN, K., and ANANTHAPADMANABHAN, C. D. A note on hybrid sorghum trials at Bhavanisagar. Madras Agr. J. 52(8):351-352. Aug.1965. 22 M262
- 66027 PARDEE, W. D., and BROWN, C. M. Get the most from your oats. Ill. Univ. Ext. Circ. 926, 6 p.-folder. Feb.1966. 275.29 IL62C
Culture.

- 66028 PARIS, P. Hard grains in northern Italy; biological and biometric characteristics of some varieties obtained from crosses in spring culture. (It) Milan. Univ. Cattolica Sacro Cuore. Fac. Agr. Ann. (n.s.)4(3):449-479. Ref. Dec. 1964. 16 M582
English summary.
Wheat.
- 66029 PENCIC, M., RUDNJANIN, L., and KERECKI, B. Effect of spacing on the formation of corn yields. (Se) Savremena Poljoprivreda 13(12): 975-982. Dec.1965. 21 P75
English summary.
- 66030 PIPER, M., and others. Kukuruz [Corn]. Beograd, Zadruza Knjiga, 1965. 428 p. Ref. SB191.M2P5
D. Hadzistevic, R. Jovanovic, F. Kolcar, Z. Kosovac, A. Maric, M. Obradovic, S. Otasevic, R. Pajevic, A. Patarecic, M. Pencic, V. Pencic, N. Pesev, K. Rosic, R. Savic, J. Sevarlic, A. Tavcar, S. Tosovic, V. Trifunovic, and N. Vucic, joint authors.
Chiefly culture.
- 66031 POPESCU, ST. The maize yield as influenced by the variety and density on waterlogged soils. (Rum) Probl. Agr. [Bucharest] 18(3):120-122. Mar.1966. 21 R862
- 66032 PORSCHE, W. Results of several years' cultural tests with sorghum (*Sorghum vulgare* Pers.). I-II. (Ge) Kuhn-Arch. 79(2):123-180. Ref. 1965. 105.8 H15Ku
English summary.
- 66033 PRIEN, H. G., and HILLMANN, H. D. Improvement breeding of summer barley and winter wheat. (Ge) Mitt. Deut. Landwirt.-Ges. 81(16): 666,668,670. Apr.21,1966. 18 N39
- 66034 PRYADCHENKU, A., and MIKLYA, M. The wheat x couchgrass hybrid in Rumania. (Rus) Priroda [Moscow] 1:92-94. 1966. 410 P933
- 66035 PUERTA ROMERO, F. Evaluation of Spanish sorghum or "zahinas" as parents of hybrid sorghums. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):67-75. 1966. 15 Sp18
English summary.
- 66036 PUROHIT, D. C., BHATNAGAR, M. P., and TRIPATHI, R. S. Two promising paddy varieties for Rajasthan. Indian Farming 15(5):9. Aug.1965. 22 In283
- 66037 RAJARATHINAM, S., and others. Pilot scheme for bajra production in Madras. Indian Farming 15(6):9. Sept.1965. 22 In283
Larger yield, mainly in size of ear.
- 66038 RAO, D. V. N., and others. Preliminary studies on the proper time of sowing and plant population in irrigated ragi in Chittoor district. Andhra Agr. J. 12(6):208-213. 1965. 34.2 An4
G. Damodaram, A. V. Parthasarathy, and A. K. R. Moorthy, joint authors.
- 66039 RAO, S. B. P., BHATIA, H. P., and DABIR, V. N. Jowar yields can be stepped up in dry lands. Indian Farming 15(11):17,38. Feb.1966. 22 In283
- 66040 RAZUMOV, P. I. Growing winter grain after corn in forest-steppe zone of Transvolga. (Rus) Kuibyshevskii Sel'skokhozyaistvennyi Institut. Izvestiya 14:226-240. 1964. (Not in Libr.)
Corn as catch crops.
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rastenievod. 14:13. July 1965. Film S-202
- 66041 REINER, L., and LAWRYNOWICZ, R. Micro-malting procedures; determination of the viscosity of small quantities of wort as a selection factor for practical malting barley breeding. (Ge) Brauwissenschaft 18(9):328-338. Ref. Sept.1965. 390.8 B733
English summary.
- 66042 RELWANI, L. L., and KATARIA, D. R. Sonora-64, wheat that gives record yield. Indian Farming 15(11):4-5. Feb.1966. 22 In283
- 66043 REYES, C., P. Corn in the low lands of the Northeast of Mexico. (Sp) Tierra [Mexico] 20 (3):624,671. Aug.1965. 8 T445
Chiefly varieties.
- 66044 ROA, N. G. P., and HOUSE, L. R. And now hybrid jowar CSH-I makes its appearance. Indian Farming 15(2):20-21,28-29. May 1965. 22 In283
For grain and fodder.
- 66045 RODRIGUEZ, R., and others. Powerful weapon against world hunger; III. Heterosis. World Farming 8(4):16-18,20,45-46. (Cont.) Apr. 1966. 30.08 W89
M. A. Quinones, L. Narvaez, and N. E. Borlaug, joint authors.
Hybrid wheat.
- 66046 RUDICH, Y., KARCHI, Z., and MANN, Y. The effects of interrow spacing on yield and its components in irrigated sorghum. (He) Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep. 516, 21 p. Ref. Jan.1966. 107 R26
English summary.
- 66047 RUNGE, E. C. A. 200-bushel corn. Is it possible on your soils? Ill. Univ. Ext. Circ. 928, 7 p.,map. Feb.1966. 275.29 IL62C
Chiefly culture.
- 66048 SACKETT, R. G. Hybrid-corn-performance trials in Wyoming; preliminary report for 1964. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 198R,11 p. Feb.1965. 100 W99M
- 66049 SALAZAR VIGIL DE QUINONES, J., and EDUARDO GARCIA POZUELO, E. Comparative tests of returns from wheat of hybrid origin 1961-62. (Sp) Spain. Inst. Nac. Invest. Agron. An. 14(1):1-44. 1965. 15 Sp18
- 66050 SALAZAR VIGIL DE QUINONES, J., and GARCIA POZUELO, E. Comparative tests of yields of wheat of hybrid origin 1963-64. (Sp) Spain. Inst. Nac. Invest. Agron. An. 14(3):259-296. 1965. 15 Sp18
- 66051 SALAZAR VIGIL DE QUINONES, J., and GARCIA POZUELO, E. Comparative tests on yields of wheat of hybrid origin 1962-63. (Sp) Spain. Inst. Nac. Invest. Agron. An. 14 (2):169-201. 1965. 15 Sp18
- 66052 SANCHEZ-MONGE, E. The combining ability of lines of the National Institute of Agricultural Research [Instituto Nacional de Investigaciones Agronomicas]. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):77-92. 1966. 15 Sp18
English summary.
Corn.
- 66053 SANCHEZ-MONGE, E. Hybrid corns of the National Institute of Agricultural Research [Instituto Nacional de Investigaciones Agronomicas]. (Sp) Spain. Inst. Nac. Invest. Agron. An. 15(1):41-54. 1966. 15 Sp18
English summary.
- 66054 SCHAEFFER, R. J., and KLAGES, K. H. W. Nitrogen fertilizer improves quality of hard red winter wheat in eastern Idaho. Idaho Agr. Coll. Ext. Bull. 461,19 p.,map. May 1966. 100 Id14
Includes varieties and planting.
- 66055 SCHLEHUBER, A. M., and others. Winter wheat variety tests, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-534,15 p. Apr.1966. 100 Ok4M
B. R. Jackson, C. L. Moore, R. Peck, and H. Pass, joint authors.
- 66056 SCHULTZ, W. M. The economic impact of wheat breeding in the prairie Provinces. Can. J. Agr. Econ. 13(2):12-26. Ref. 1965. 281.8 C16
Effect on yields.
- 66057 SHADUROV, V. Effect of soil packing on spring wheat yields. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:19-22. Feb.1966. 20 V633
English summary.
- 66058 SHANMUGHASUNDARAM, A., and others. A new ragi (*Eleusine coracana*) strain Co. 8. Madras Agr. J. 52(2):83. Feb.1965. 22 M262
K. Samathuvam, S. Premsekar, and G. Michal Raj, joint authors.
- 66059 SHANMUGHASUNDARAM, A., THANGAM, M. S., and VENKATARAMAN, K. Preliminary studies on the production of hybrid sorghum seed. Madras Agr. J. 52(2):61-63. Feb.1965. 22 M262

- 66060 SINGH, S. P., UPADHYA, Y. M., and MATHUR, V. S. Two hybrid wheats for Madhya Pradesh: Hyb. 633, N.P. 404. *Indian Farming* 15(12):26-27. Mar.1966. 22 In283
- 66061 SMIRNOV, V. The development of Soviet seed selection. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 124:15-20. May 24,1966. (JPRS 35,671; TT 66-32196) 173 J663Tso
Chiefly quality of wheat seeds.
Translation from Komsomol'skaya Pravda, Apr.28,1966:2.
Issued by CFSTI.
- 66062 SMITH, I. D. Early planting can raise yield 1 bu./acre/day. *Doane's Agr. Rep.* 29(11):28-30. 32. Apr.8,1966. 281.8 D652
Corn.
- 66063 SOUNDARARAJAN, T. G., and THEETHARAPAN, T. S. The role of certain foreign varieties in rice improvement in Cauvery delta of Madras State. *Madras Agr. J.* 52(9):394-397. Sept.1965. 22 M262
- 66064 SPAIN. INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS. CENTRO DE CEREALICULTURA. SECCION DE CEBADAS Y AGENAS. Report of work of the Barley and Oats Section of the Grain Culture Center of the National Institute of Agricultural Research carried out during the year 1962-63, by A. Perez-Navarro y Florez-Estrada and J. Matallana Ventura. (Sp) Spain. *Inst. Nac. Invest. Agron. An.* 14(2):103-168. 1965. 15 Sp18
- 66065 SPAIN. INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS. CENTRO DE CEREALICULTURA. SECCION DE CENTENOS. Report of work of the Rye Section of the Cereal Culture Center of the National Institute of Agronomical Research carried out in 1962-1963, by F. M. Sarasola Sancho. (Sp) Spain. *Inst. Nac. Invest. Agron. An.* 14(3):297-348. 1965. 15 Sp18
- 66066 SPAIN. INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS. CENTRO DE CEREALICULTURA. SECCION DE CENTENOS. Report of work of the Rye section of the Cereal Culture Center of the National Institute of Agronomical Research carried out in 1963-1964, by F. M. Sarasola Sancho. (Sp) Spain. *Inst. Nac. Invest. Agron. An.* 14(4):403-426. 1965. 15 Sp18
- 66067 SPAIN. SERV. NACIONAL DEL TRIGO. Principales variedades de trigo cultivadas en Espana y sus caracteristicas [Main varieties of wheat grown in Spain and their characteristics]. Madrid, 1965. loose-leaf. SB191.W5S62
Kept up to date by supplementary and revised sheets.
- 66068 SRINIVASAN, V., and ANNAMALAI, P. Co. 32, an improved rice strain in Thiruchengode samba. *Madras Agr. J.* 52(5):226-229. May 1965. 22 M262
Includes yields.
- 66069 STANFORTH, D. W. Do a good job cultivating corn. *Hoard's Dairyman* 111(9):575,615. May 10,1966. 44.8 H65
- 66070 STANSEL, J. W., and CRAIGMILES, J. P. Hybrid rice—problems and potentials. *Rice J.* 69(5):14-15,46. May 1966. 59.8 R36
Breeding.
- 66071 STRATAN, V. V. Characteristics of the agro-technical cultivation of winter barley in Moldavian SSR. (Rus) In *Kishinevskii Sel'skokochozaistvennyi Institut. Sbornik Nauchno-Issledovatel'skikh Rabot Aspirantov* 1964:36-40. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:16. July 1965. Film S-202
- 66072 STUART, A. D., and others. Growing corn for profit; latest production practices and established hybrids. N. C. Univ. Ext. Ext. Circ. 469, 11 p. Mar.1966. 275.29 N811
J. V. Baird, J. C. Wells, J. M. Falter, W. M. Lewis, and J. C. Rice, joint authors.
- 66073 SUBRAMANIAM, A. A short note on paddy strain ADT-27 (Japonica-Indica). *Madras Agr. J.* 52(8):350. Aug.1965. 22 M262
- 66074 SZEDERKENYI, H. Winter wheat production of state farms in 1962-64. (Hu) *Gazdalkodas* 10 (2):13-22, map. Apr.1966. 281.8 G25
German summary.
- 66075 TARASENKO, V. A. Study and classification of samples of popcorn according to manifestation of cytoplasmic male-sterility. (Rus) Vsesoyuznyi Institut Rastenievodstva. *Maikopskaya Opytnaya Stantsiya, Nauchnye Trudy* 3:23-36. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:17. July 1965. Film S-202
- 66076 TEXAS. AGRICULTURAL EXPERIMENT STATION. Bluebelle, a lodging-resistant, very early maturing, long grain rice variety released in Texas. *Tex. Agr. Exp. Sta. L-678*, 6 p.-folder. Jan.1966. 275.29 T313
- 66077 THO, V. Intensive rice cultivation in the North. U. S. Joint Publ. Res. Serv. Transl. *Hoc Tap (Stud.) N. Vietnam* 2:68-78. Apr.21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:59-67. Feb.1966. Issued by CFSTI.
- 66078 THOMSEN, C. Arealbenyttelsens indflydelse pa hostudbyttet storrelse [Influence of acreage on crop yields]. *Landokon. Driftsbur. Undersog. Landbrugets Driftsforhold. Period. Beretn.* 21,34 p. 1965. 11 D414P
English summary.
Relationship between crop rotation and grain yields.
- 66079 TING YING. Rice paddies in Northwest China: seed improvement and cultivation techniques. U. S. Joint Publ. Res. Serv. Transl. *Communist China's Food Agr.* 13:43-66. Nov.16,1964. (JPRS: 27,386; TT: 64-51642) 173 J663Tcf
Translation from Chung-kuo Nung Yeh K'o Hsueh 1:1-11. Jan.15,1964.
Issued by CFSTI.
- 66080 TOMOROGA, P., and others. Results of the response of wheat varieties grown in Dobruja and their cultural practices. (Rum) *Probl. Agr. [Bucharest]* 17(11):59-70. Nov.1965. 21 R862
C. Iancu, H. Simota, and E. Cublesan, joint authors.
Yields.
- 66081 TRAN XUAN. Intensive cultivation to increase rice output in a few agricultural cooperatives. U. S. Joint Publ. Res. Serv. Transl. *N. Vietnam's Econ.* 182:44-58. July 2,1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from Nghien-cuu Kinh-te 25:21-26,70. Feb.1965.
Issued by CFSTI.
- 66082 U. S. DEPT. OF AGRICULTURE. GRAIN AND FORAGE CROPS RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at meeting, February 28-March 4, 1966, Manhattan, Kansas. Washington, Research Program Development and Evaluation Staff, 1966. 12 p. A59.9 R314
Culture and utilization research.
- 66083 VEERASWAMY, R., ANAVARADHAM, L., and SREENIVASAN, V. Optimum time of sowing for hybrid Cumbu X-3 [Pennisetum typhoidum] under irrigation in Satyamangalam tract. *Madras Agr. J.* 52(6):286. June 1965. 22 M262
Includes yields of grain and straw.
- 66084 VENKATARAMAN, K., and SHANMUGASUNDARAM, A. Madras leads in hybrid cholam. *Madras Inform.* 20(4):35. Apr.1966. 280.8 M26
- 66085 WALKDEN BROWN, C., and FITZSIMMONS, R. W. Wheat varieties for 1966; full, official recommendations. *Agr. Gaz. New S. Wales* 77 (1):2-6,27-33, map. Jan.1966. 23 N472
- 66086 YEH, M. H. Yield predictions for 1965 wheat, oats, and barley in Manitoba. *Can. J. Agr. Econ.* 13(2):1-11. 1965. 281.8 C16
- 66087 ZILLINSKY, F. J. Stormont, a new lodging-resistant oat. *Can. J. Plant Sci.* 46(2):213-215. Mar.1966. 450 C16

- 66088 ZININ, T. Development of rice growing in Uzbekistan. U. S. Agr. Publ. Res. Serv. Transl. Soviet Agr. 74:7-10. June 7, 1965. (JPRS 30,451) 173 J663Tso
Translation from Sel'skaya Zhizn', Apr. 24, 1965:2.
Issued by CFSTI.
- 66089 ZURN, F. Ten-year varietal and fertilizer tests with silo corn and forage beets in Steirnach. (Ge) Bayer. Landwirt. Jahrbuch 42(4): 477-486. 1965. 18 L24
- Fiber Crops
- 66090 ADAME, J. R. Cotton: a "mode of life" in Mexico. Cotton Trade J. Int. Edition 1966 (automation No.):64-65,178-180. 72.8 C8214I
Chiefly culture.
- 66091 BELLAMY, J. Tanganyika cotton output spurred by research stations. Cotton Trade J. Int. Edition 1966(automation No.):132-133,177. 72.8 C8214I
- 66092 BRYSON, C. P., and others. Harvest all you grow—increase profits: pick dry cotton. Ark. Univ. Ext. Leaflet. 377,6 p.-folder. July 1965. 275.29 Ar4Le
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Proper moisture conditions during harvesting.
- 66093 BRYSON, C. P., and others. Harvest all you grow—increase profits. What are your losses? Ark. Univ. Ext. Leaflet. 378,5 p.-folder. July 1965. 275.29 Ar4Le
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Cotton harvesting.
- 66094 CHRISTIDES, B. G. Cotton growing in Greece. Int. Superphosphate Manufacturers Ass. Agr. Comm. Bull. Doc. 43:1-7. Feb. 1966. 241 In832
Text also in French.
- 66095 DAWSON, B. G. Past, present, and future of cotton growing in Australia. Textile J. Australia 41(4):8-11,45-46,48. Apr. 1966. 304.8 T3134
- 66096 DIBA, E. Vast cotton production boost in Iran depends on cultural practices. Cotton Trade J. Int. Edition 1966(automation No.):124-125. 72.8 C8214I
- 66097 EQUIHUA HERNANDEZ, L. The problem of cotton planting times in the Matamoros, Tamps. zone. (Sp) Panagra 5(61):26-28. Nov. 1965. 8 P196
- 66098 FERSHTAT, N. Need to improve sowing, cultivation and maintenance of equipment in cotton growing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 265:4-9. Apr. 7, 1966. (JPRS 34,954; TT 66-31392) 173 J663Tsi
Includes mechanization.
Translation from Pravda Vostoka Mar. 2, 1966: 2.
Issued by CFSTI.
- 66099 FOX, D. J. Henequen in Tamaulipas, Mexico. J. Trop. Geogr. 21:1-11, map. Ref. Dec. 1965. 331.8 M29
- 66100 FUNAIOLI, U. Present aspects and trends in cotton culture in the United States of America with particular reference to its mechanization. (It) Riv. Agr. Subtrop. Trop. 59(7/9):263-299. (Concl.) Ref. p. 294-299. July/Sept. 1965. 26 Ag82
English summary, p. 2 of supplement.
- 66101 GEORGIA UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Harvest all you grow—increase profits; good turnrows put more cotton in the picker basket. Ga. Univ. Ext. Leaflet. 50,6 p.-folder. Feb. 1966. 275.29 G29L
Prepared by Cotton mechanization & ginning specialists of Arkansas, Louisiana, Mississippi, South Carolina, Tennessee, Missouri, and Georgia; with the assistance of the National Cotton Council.
- 66102 HENDERSON, J. Cotton. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:4-5. 275.29 AL1Su
Extension programs.
- 66103 HENDERSON, J. Cotton handbook for Alabama. Auburn Univ. Ext. Circ. P-42,15 p. Mar. 1966. 275.29 AL14Cp
Culture.
- 66104 HLIXLIAS, A. Results of flax experiments 1951-1961. (Gre) Georgikon Delt. (ser.3)18:1-36. 1965. 21 G29
English summary.
Includes varieties and yields.
- 66105 IBRAGIMOV, M. New technology for cotton sowing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 196:9-12. May 5, 1965. (JPRS 29,943; TT 65-30923) 173 J663Tsi
Translation from Klopkovodstvo 12:-16-17. Dec. 1964.
Issued by CFSTI.
- 66106 IBRAHIM, A. B. S. Sudan intensifies quality control in farm practices. Cotton Trade J. Int. Edition 1966(automation No.):126-128. 72.8 C8214I
Chiefly culture.
- 66107 JAIN, K. K., and KISHORE, J. New prospects of jute in Rajasthan. Indian Farming 15(4):17, 35. July 1965. 22 In283
Culture.
- 66108 JARAMILLO GUTIERREZ, S. Ramie. (Sp) Rev. Nac. Agr. 57(725):29-30. Sept. 1965. 9.4 R32
Chiefly culture; includes use as feed.
- 66109 KALONTAROV, I. Desirable combination of economically valuable characteristics in cotton plants. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:35-37. Feb. 1966. 20 V633
English summary.
- 66110 KAMALANATHAN, S. Correlation of lint yield and its components in cotton (G. [Gossypium] arboreum L.). Madras Agr. J. 53(2):55-61. Ref. Feb. 1966. 22 M262
- 66111 MILKOVSKI, I. Cotton culture in Bulgaria. (Bu) Priroda [Sofia] 13(6):3-8. Nov./Dec. 1964. 410 P934
- 66112 NARAYANAN, A., and JAWAD HUSSIAN, H. S. Preliminary investigation on Andrews cotton Gossypium barbadense at Coimbatore. Madras Agr. J. 52(2):80-81. Feb. 1965. 22 M262
Breeding.
- 66113 NTENDE, K. K. Uganda pushing development of better varieties. Cotton Trade J. Int. Edition 1966(automation No.):133-134,176-177. 72.8 C8214I
- 66114 OWUSU, P. M. Cotton growing in Ghana. Ghana Farmer 9(1):17-21. Feb. 1965. 24 G564
- 66115 PALANIANDI, V. G., NAMMALVAR, G., and IBRAHIM, P. A. M. P.R.S. 72, cotton of promise for the South. Indian Farming 15(12):8,46. Mar. 1966. 22 In283
- 66116 PETER, S. D. The cotton Package Programme for the summer Cambodia tract of Madras State. Madras Agr. J. 52(8):338-344. Aug. 1965. 22 M262
Chiefly culture.
- 66117 PIRBHAI, A. H. Pakistan's production rises steadily. Cotton Trade J. Int. Edition 1966 (automation No.):145,149. 72.8 C8214I
Chiefly yields.
- 66118 RAJA, V. D. G. Handling cotton seed, after release as variety in Madras State. Madras Agr. J. 52(4):156-167. Ref. Apr. 1965. 22 M262
Tests, including germination tests.
- 66119 RICHARDSON, E. F. Cover crop recommendations. Kenya Sisal Board Bull. 53:13,15,17. July 1965. 73.29 K42
- 66120 SARMA, M. S., and RAKSHIT, S. C. New mesta varieties have many advantages. Indian Farming 15(5):4-5. Aug. 1965. 22 In283
Kenaf and roselle.
- 66121 SETHI, B. L. Integrated efforts step up cotton yields. Indian Farming 15(2):5-7. May 1965. 22 In283

- 66122 SOKOLOV, F., BEREZOVSKIY, V., and KU-ROCHKIN, K. Cotton-lucerne crop rotation may result in substantial increases of cotton yield in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:175-180. June 16, 1965. (JPRS 30,640) 173 J663Tso
Translation from Sel'skaya Zhizn' 61:2. Mar.1965.
Issued by CFSTI.
- 66123 TOOMEY, W. G., and others. Cotton production in North Carolina. N. C. Univ. Ext. Folder 198, rev., 8 p.-folder. Jan.1966. 275.29 N811Ex
J. Baird, R. P. Moore, A. D. Worsham, H. Garriss, R. L. Robertson, C. Brooks, J. C. Ferguson, and J. F. Dogett, joint authors.
- 66124 USTOV, D., and others. Development of new lands in Uzbekistan results in damage to some established lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:27-29. June 7, 1965. (JPRS 30,451) 173 J663Tso
A. Mavlyanov, M. Istomin, and A. Valiulin, joint authors.
For cotton cultivation.
Translation from Pravda Vostoka, Apr.28, 1965:2.
Issued by CFSTI.
- 66125 VASA, F., and others. Pradne rostliny [Fiber plants]. Praha, Statni Zemedelske Nakladatel'stvi, 1965. 366 p. Ref., p.339-346. SB241.V3
F. Baxa, S. Bernath, M. Binder, B. Blahunka, F. Franci, J. Lahola, J. Laskos, V. Kas, J. Korensky, J. Pachovsky, B. Pospisil, K. Rataj, F. Vasa and J. Vralova, joint authors.
Includes culture.
- 66126 WESTERN PRODUCTION CONFERENCE. Improved practices improve the crop. Cotton Gin Oil Mill Press 67(6):23,27-29. Mar.12,1966. 304.8 C822
Summary of papers.
- 66127 WU, C. C. Conquer disaster for a bumper cotton harvest. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 78:11-16. Sept.8,1965. (JPRS 31,908; TT 65-32402) 173 J663Tcf
Cotton culture.
Translation from Chung-kuo Nung Pao 3:28-30. Mar.10,1965.
Issued by CFSTI.
- Forage Crops and Grasses**
- 66128 ALCOCK, M. B., and MORGAN, E. W. The effect of frequency of defoliation on the yield of mixtures of S22 (diploid) and Tetra (tetraploid) Italian ryegrass in early establishment. Brit. Grassland Soc. J. 21(1):62-64. Mar.1966. 60.19 B773
- 66129 ALEKSEEV, E. D. Crops for year round green grazing system on peat soils. (Rus) Zhivotnovodstvo 4:21-23. Apr.1966. 49 Z6
- 66130 ALLRED, B. W. Kentucky bluegrass [*Poa pratensis*]. Nat. Wool Grower 56(5):11-12. May 1966. 45.8 N21N
Grazing studies.
- 66131 ANAFAS'EV, D. YA., and SHELYAH-SOSONKO, YA. R. Flood-plain meadows of the Styr river. (Ukr) Ukr. Bot. Zhur. 22(6):36-41. Ref. 1965. 450 J8212J
English summary.
- 66132 ANDREEV, N. G. Lugovodstvo [Management of pastures]. Ed. 2, rev. Moskva, Kolos, 1966. 511 p. Ref. SB199.A5
- 66133 ANDREWS, O. N. Pastures and feed crops. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:10-11. 275.29 AL1Su
Extension programs.
- 66134 ATHWAL, D. S. Hybrid Bajra-1 marks a new era. Indian Farming 15(5):6-7. Aug.1965. 22 In283
Forage pearl millet.
- 66135 BALLABAS, S. Managing and utilization of pastures and meadows. (Hu) Magyar Mezogazdasag 21(16):16-17. Apr.20,1966. 19 M27
- 66136 BARCS, L. Planting of forage cabbage. (Hu) Baromfitenyesztes 10(4):29. Apr.1966. 47.8 B262
For rabbit feeding.
- 66137 BELIK, N. T. Grass and leguminose mixtures in the year round green grazing system. (Rus) Zhivotnovodstvo 4:23-25. Apr.1966. 49 Z6
- 66138 BERG, F. Grassland intensification leads to farm success. (Ge) Deut. Landwirt. 17(3):134-136. Mar.1966. 18 D4822
- 66139 BILLOT, C. An example of preliminary study for the drawing up of a forage production programme. (Fr) Fourrages 24:105-118. Ref. Dec.1965. 60.8 F82
English summary, p.159.
- 66140 BINGEFORS, S., and DOVRAT, A. Performance of the Swedish lucerne variety U 0615 from seed multiplied in Israel. Euphytica 14 (3):315-325. Nov.1965. 450 Eu6
- 66141 BLAKE, C. T., and others. Triple "F" forage production. N. C. Univ. Ext. Folder 244, 6 p. Jan.1966. 275.29 N811Ex
J. G. Clapp, D. S. Chamblee, H. D. Gross, and W. W. Woodhouse, joint authors.
Culture and pasture management.
- 66142 BLAKELY, B. D. Six steps to good pastures. Soil Conserv. 31(9):204-205. Apr.1966. 1.6 So3S
- 66143 BLANKENSHIP, J. O., and SMITH, D. R. Indirect estimation of standing crop. J. Range Manage. 19(2):74-77. Mar.1966. 60.18 J82
Sampling of herbage, in Wyoming.
- 66144 BOGDAN, A. V. Glycine javanica under experimental cultivation in Kenya. Trop. Agr. [St. Augustine] 43(2):99-105. Apr.1966. 26 T754
- 66145 BOISSON, P., and MARTINEAU, J. Comparison between different cutting frequencies applied to two early strains of *Dactylis* and fescue. (Fr) Fourrages 24:119-131. Dec.1965. 60.8 F82
English summary, p.160.
- 66146 BOSE, B. B. Pennisetum [pedicellatum] over-scores other fodder crops. Indian Farming 15 (3):9. June 1965. 22 In283
- 66147 BUKOLOV, K. Noginsk seminar on pasture-land and meadow improvement. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 211:7-10. June 30,1965. (JPRS 30,874; TT 65-31386; CSO 1830-D) 173 J663Tsi
Management.
Translation from Leninskoye Znamya, June 6, 1965:2.
- 66148 CAIOLA, R. P. Considerations on "sown forages." (Por) Granja [Lisboa] 24(3/4):159-162. July/Dec.1965. 15.5 G76
Advantages of including forage plants in the rotation.
- 66149 CANADA PRAIRIE FARM REHABILITATION ADMIN. Annual report 1964/65. [Ottawa], 1965. 19 p. 281.13 C164
Pastures management.
- 66150 CHARLES, A. H. Formation and maintenance of pastures. Brit. Grassland Soc. J. 21(1):93-96. Mar.1966. 60.19 B773
Planting.
- 66151 CHIANG, C. C., and others. The most fruitful utilization of the grassland and the construction of water conservancy works in Northwest China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:38-43. Nov.24,1964. (JPRS 27,513; TT 65-51762) 173 J663Tcf
K. Fang, S. S. Chou, K. Y. Li, K. C. Chang, and P. P. Li, joint authors.
Translation from Chung-kuo Nung Pao 1:35-37. Jan.10,1964.
Issued by CFSTI.
- 66152 CROFTS, F. C. Increased winter and drought forage for tableland livestock. Sydney. Univ. Sch. Agr. Rep. 7,43 p. Jan.1966. 109 Sy22
Pasture management.
- 66153 CROWDER, L. V. The deficiency of forage seed production in cold climates. (Sp) Agr. Trop. 21(6):329-331. June 1965. 26 Ag8
Suggests varieties for Colombia.
- 66154 DARBY, G. M. Nicaragua improves its livestock industry with SCS technical aid. Soil Conserv. 31(9):197. Apr.1966. 1.6 So3S
Pasture management and cattle feeding.

- 66155 DAS, R. B., and others. Grazing studies on a rocky range land. *J. Soil Water Conserv. India* 13(1/2):33-42. Ref. Jan./June 1965. 56.8 J824
C. P. Bhimaya, G. N. Bhati, and Y. Ramachandran, joint authors.
- 66156 DECOSTER, O., and DEGREEF, J. Importance of alfalfa culture in the sugarbeet region. (Fr) *Rev. Agr. [Brussels]* 19(2):203-212. Feb. 1966. 13 R322
Cultural methods and nutritive value for cattle.
- 66157 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with methods on inter-planting in clover on marshland 1959-64. (Da) *Tidsskr. Planteavl* 69(4):583-586. 1966. 11 T439
- 66158 DIEDLER-HEINERSDORF, C. Silo corn in the rotation. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(11):448-450. Mar. 17, 1966. 18 N39
- 66159 DIJKSTRA, J., and SPECKMANN, G. J. Germinal pore number in pollen grains as a selection basis in the production of tetraploid clover. *Euphytica* 14(3):244-248. Nov. 1965. 450 Eu6
- 66160 DZOBIAEV, M. G. Intensified use of the mountain areas in northern Caucasus. (Rus) *Zhivotnovodstvo* 4:42-45. Apr. 1966. 49 Z6
Pastures and meadows.
- 66161 ELDER, W. C., and TUCKER, B. B. Pasture management: grazing studies and forage crop fertility tests, biennial report of progress, 1964 and 1965. *Okla. Agr. Exp. Sta. Process. Ser.* P-530, 42 p. Mar. 1966. 100 Ok4M
FALKE, H. Influence of frequency of use and N-fertilizing on pasture yield. (Ge) *Z. Landeskult.* 6(3):279-285. Ref. 1965. 282.9 Z3
English summary.
- 66163 FILIMONOV, P. N. Cultivation of hybrid Swedish turnip in the Leningrad Region. (Rus) *Zhivotnovodstvo* 4:25-27. Apr. 1966. 49 Z6
- 66164 FISCHER, K. Successful grass seed production. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(12):489-490. Mar. 24, 1966. 18 N39
- 66165 GAMBLE, M. D. Bermudagrass in Oklahoma; a lowly pasture grass rises to key role in conservation agriculture of the South. *Soil Conserv.* 31(9):198-200. Apr. 1966. 1.6 So3S
- 66166 GATES, D. H., and others. Pacific Northwest range, its nature and use. *PNW (Pacific Northwest Coop. Ext.) Bull.* 73, 28 p., map. Mar. 1966. 275.29 W27Pn
G. A. Harris, J. Johnson, and R. Samson, joint authors.
Joint publication of the Extension Services of Washington, Oregon, and Idaho; in cooperation with the Pacific Northwest Section, American Society of Range Management.
- 66167 GAY, C. Range management; why and how. *N. Mex. State Univ. Ext. Circ.* 376, 33 p., map. Oct. 1965. 275.29 N463E
- 66168 HALL, B. G., MARRETT, P. L., and WEBBER, G. D. Sowing and renovating lucerne. *S. Australia J. Agr.* 69(7):230-238. Feb. 1966. 23 So84
- 66169 HARKESS, R. D. The effects of sheep treading. *Scot. Agr.* 45(1):16-18. Winter 1965/66. 10 Sco82So
On growth and yield of grapes; includes pasture management.
- 66170 HEATH, M. E. Indiana Forage Farm; pasture research seeks profitable farming system for livestock-woodland area. *Soil Conserv.* 31(9):200-202, map. Apr. 1966. 1.6 So3S
- 66171 HEATH, M. E., and KEIM, W. F. Zigzag clover (*Trifolium medium* L.), a promising rhizomatous, perennial legume on fragipan soils. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 234, 2 p. Apr. 1966. 100 In2Res
- 66172 HEDIN, L., and DUVAL, E. Physiological relationships and varietal characters in forage grasses. (Fr) *Fourrages* 24:98-104. Dec. 1965. 60.8 F82
English summary, p. 158.
Dactylis, Lolium and Festuca.
- 66173 HEGEDUS, J. Organization of strip grazing. (Hu) *Magyar Mezogazdasag* 21(17):18-19. Apr. 27, 1966. 19 M27
- 66174 HENTGEN, A. Three years of observations on the yield of the main forage grass strains. (Fr) *Fourrages* 24:7-47. Ref. Dec. 1965. 60.8 F82
English summary, p. 155.
- 66175 HICKEY, W. C., and SPRINGFIELD, H. W. Alkali sacaton [*Sporobolus airoides*] its merits for forage and cover. *J. Range Manage.* 19(2):71-74. Ref. Mar. 1966. 60.18 J82
- 66176 HUMPHREY, R. R. Forage production problems in northeast Brazil. *Progr. Agr. Ariz.* 18(1):16-17. Jan./Feb. 1966. 6 P9452
Two grasses especially suitable are *Eragrostis lehmanniana* and *E. chloromelas*.
- 66177 HUNT, I. V. Comparison of production from twelve varieties of cocksfoot. *West Scot. Agr. Coll. Res. Bull.* 36, 30 p. Oct. 1965. 103 W52R
- 66178 HUNT, I. V., and FRAME, J. Comparison of productivity of varieties of late flowering red clover. *West Scot. Agr. Coll. Res. Bull.* 37, 28 p. Dec. 1965. 103 W52R
- 66179 HYCKA MARUNIAK, M. Why do our alfalfa fields last such a short time? (Sp) *Tierra [Mexico]* 20(5):368-369, 422. May 1965. 8 T445
Culture in Mexico.
- 66180 IKONOMI, A. K. Certain data about the influence of green fodder crops on the soil structure. (Al) *Bul. Shkencave Bujquesore* 1:24-31. Ref. 1966. 21.5 B87
English summary.
- 66181 ISOTALO, I., and others. Scandinavian variety trials with timothy; carried out in the northern parts of Finland, Norway and Sweden 1958-1963. (Sw) *Nord. Jordbruksforsk.* 48(1):26-70, map. Ref. 1966. 11 N752
O. Ostgard, E. Hagsand, and J. Ericsson, joint authors.
- 66182 IVINS, J. D. Systems of management of grasses for improved yield and quality. Nottingham. *Univ. Easter Sch. Agr. Sci. Proc.*, 12th Easter Sch.:335-344. Ref. 1965, pub. 1966. S217.E2
Literature review.
Grassland management.
- 66183 JEANNIN, B. Frost resistance of perennial forage grass strains. (Fr) *Fourrages* 24:48-75. Dec. 1965. 60.8 F82
English summary, p. 156.
- 66184 JONES, J. Pastoral Lancashire. *Brit. Grassland Soc. J.* 21(1):21-28, map. Mar. 1966. 60.19 B773
- 66185 JONSSON, N. Research on meadow culture. (Sw) *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 74:22-25. 1965. 11 Up62A
- 66186 KALTOFEN, H. Modern clover-grass-pasture system. (Ge) *Deut. Landwirt.* 17(3):139-142. Mar. 1966. 18 D4822
- 66187 KANEVSKAYA, G. S. Effect of chickpea planting on its yielding. (Rus) *Vsesoyuznoe Botanicheskoe Obshchestvo. Voronezhskoe Otdelenie. Nauchnye Zapiski* 1964:41-45.
(Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:32. July 1965. Film S-202
- 66188 KHAN, M. A. Artificial reseeding in Thal ranges. *Pakistan J. Forest.* 16(1):28-42. Jan. 1966. 99.8 P17
- 66189 KHOKHLOV, F. F. Belok v ratsionakh zhivotnykh i ptitsy [Proteins in the rations of livestock and poultry]. *Moskva, Znanie*, 1966. 68 p. 275.9 N16
Growing of proper forage plants.
- 66190 KILCHER, M. R., and HEINRICHS, D. H. Persistence of alfalfas in mixture with grasses in a semiarid region. *Can. J. Plant Sci.* 46(2):163-167. Mar. 1966. 450 C16
- 66191 KILCHER, M. R., and HEINRICHS, D. H. Performance of some grass-alfalfa mixtures in southwestern Saskatchewan during drought years. *Can. J. Plant Sci.* 46(2):177-184. Mar. 1966. 450 C16
- 66192 KLESNIL, A., VELICH, J., and REGAL, V. *Vojteska [Alfalfa]*. Praha, Statni Zemedelske Nakladatelstvi, 1965. 203 p. Ref. SB205.A4K55
Chiefly culture.
- 66193 KLINE, D. From Geronimo to range studies. *Our Publ. Lands* 15(4):6. Spring 1966. 156.55 Ou7

- 66194 KISING, W. Green corn or silo corn? (Ge) Mitt. Deut. Landwirt.-Ges. 81(16):659-662. Apr.21,1966. 18 N39
Culture, including fertilizing.
- 66195 KOUKOUZELES, G. S. Improving pastures by planting forage shrubs. (Gre) Greece. Hypourgeion Georgias. Delition Georgikon Epharmogon Ekpaideuseos 5:135-139. Sept./Oct.1965. 275.249 G81
- 66196 KRAJCOVIC, V., KOVAC, A., and HALMOVA, L. Evaluation of the productiveness of forage beets and sugar beets from the point of cultural practices and keeping qualities. (Cz) Pol'no-hospodarstvo 12(2):107-113. Ref. 1966. 19.5 P752
English summary.
- 66197 KREIL, W. Mowed pastures—an object of grass-land economy intensification. (Ge) Deut. Landwirt. 17(3):136-138. Mar.1966. 18 D4822
- 66198 KREIL, W. Yields and course of yield on the Paulinenaue lower moor meadows. (Ge) Z. Landes kult. 6(3):255-278. Ref. 1965. 282.9 Z3
English summary.
- 66199 KUKEDI, B. When and how long can sudangrass be planted successfully? (Hu) Magyar Mezo-gazdasag 21(15):8-9. Apr.20,1966. 19 M27
- 66200 LARSEN, P. H. Horsebeans. (Da) Tolvmands-bladet 38(2):98-99. Feb.1966. 11 T58
Culture.
- 66201 LARSON, L. H. Timing critical for haylage. Doane's Agr. Rep. 29(14):16,18. May 8,1966. 281.8 D652
Harvesting hay crops for silage.
- 66202 LESLIE, J. K. Factors responsible for failures in the establishment of summer grasses on the black earths of the Darling Downs, Queensland. Queensland J. Agr. Anim. Sci. 22(1):17-38. Ref. Mar.1965. 23 Q37
Chloris gayana and Panicum maximum trichoglume.
- 66203 LOVATO, A. Italian and American ryegrass. (It) Prog. Agr. [Bologna] 11(8):807-820. Aug. 1965. 58.8 P94
Culture and yields of common Lolium and Lolium multiflorum.
- 66204 LUBENETZ, P. Valuable wild-growing grass species on the northern Caucasus foothill. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2: 38-44. Feb.1966. 20 V633
English summary.
- 66205 MACKENZIE, J. Legumes can grow in cypress pine country. Queensland Agr. J. 92(3):154-156, map. Mar.1966. 23 Q33
Siratro and lucerne.
- 66206 MADERO, G. E. Course in forage culture. Chapter VI. Principal botanic families with forage plants. (Sp) Soc. Rural Argent. An. 99(5):24-27,69, map. May 1965. 9 Sol
- 66207 MALCORPS, J. Forage production in Hesbay and Condroz of Liege. (Fr) Rev. Agr. [Brussels] 19(1):21-35. Jan.1966. 13 R322
- 66208 MCKELL, C. M., WHALLEY, R. D., and BROWN, V. Yield, survival, and carbohydrate reserve of hardinggrass [Phalaris tuberosa] in relation to herbage removal. J. Range Manage. 19(2):86-89. Ref. Mar.1966. 60.18 J82
In California.
- 66209 MCWILLIAM, J. R., and SCHROEDER, H. E. Seedmaster, a new cultivar of Phalaris [tuberosa] with high seed retention. Australian Inst. Agr. Sci. J. 31(4):313-315. Dec.1965. 23 Au74
- 66210 MIRALLES CAPUZ, C. Pasture regeneration. (Sp) Agricultura [Madrid] 34(400):441-442. Aug.1965. 15 Ag84
- 66211 NAVEH, Z. The need for integrated range research in East Africa. Trop. Agr. [St. Augustine] 43(2):91-98. Ref. Apr.1966. 26 T754
Management and ecology.
- 66212 NIEHAUS, M. H., and PICKETT, R. C. Heterosis and combining ability in a diallel cross in Sorghum vulgare Pers. Crop Sci. 6(1):33-36. Ref. Jan./Feb.1966. 64.8 C883
Includes yields.
- 66213 NORTON, J. S., and CULL, J. K. Cheap land preparation for sown pastures can be costly. Queensland Agr. J. 92(3):129-131. Mar.1966. 23 Q33
- 66214 OAKES, A. J. Digitaria collection from South Africa. Trop. Agr. [St. Augustine] 42(4):323-331. Ref. Oct.1965. 26 T754
Varieties resistant to cold and diseases for breeding purposes.
- 66215 OCOKOLJIC, S., and COLIC, D. A contribution to the study of grass and legume mixtures yields for green feed and the planting of artificial pastures in lowlands of FR Serbia. (Se) Arh. Poljoprivredne Nauk. 18(62):100-114. Ref. 1965. 21.5 Y9
English summary.
- 66216 PALLADIN, E. The improvement of meadows and pastures is of great importance. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75: 79-81. June 16,1965. (JPRS 30,640) 173 J663Tso
Translation from Sovetskaya Rossiya, Jan.27, 1965:1.
Issued by CFSTI.
- 66217 PARDEE, W. D. Sorghum-sudan grass—good and bad. Hoard's Dairyman 111(10):645. May 25,1966. 44.8 H65
- 66218 PARRINI, P. Sorghum herbage in dry culture. (It) Prog. Agr. [Bologna] 11(11):1105-1124. Nov.1965. 58.8 P94
Yields and nutritive value.
- 66219 PATIL, B. D. Pusa giant Napier grass. Bharat Krishak Samaj. Year Book 1964:469-472. 22 B46
Crossing Pennisetum purpureum with cultivated bajra, for fodder.
- 66220 PETRANYI, I. Melioration of sandy pastures with grass renewal sowing. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(1/2):45-65. Ref. 1966. 19 B855
German summary.
- 66221 PIOT, J. Grazing study in the Cameroonian Adamawa. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)19(1):45-62. Ref. 1966. 41.8 R3262
English summary.
A range cattle area.
- 66222 PIRE SOLIS, J. M. El trebol subterraneo en Espana [Subterranean clover in Spain]. Madrid, Instituto Nacional para Produccion de Semillas Selectas, 1964. 94 p., map. Ref. 60.1 P66
Includes pasture management.
- 66223 POP, M. Aspects of the improvement of saline meadows in the north-eastern part of the Rumanian Plain. (Rum) Probl. Agr. [Bucharest] 17(12):29-36. Ref. Dec.1965. 21 R862
English summary.
By planting grasses and application of fertilizers.
- 66224 POPOVICI, E. Increasing yields of degraded pastures of state farms in the Brasov Region. (Rum) Probl. Agr. [Bucharest] 17(11):71-74. Nov.1965. 21 R862
- 66225 POZHARISSKAYA, L. P. Experiment with oversowing pasture soddy soils with sweet-clover. (Rus) Akademiya Nauk Moldavskoi SSR. Seriya Biologicheskikh i Sel'sko-Khozyaistvennykh Nau. Izvestiya 10:73-83. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, Rasteniyevod. 14:45. July 1965. Film S-202
- 66226 RAHEJA, P. C. Rajasthan desert can bloom with forage. Indian Farming 15(12):4-7,46. Mar.1966. 22 In283
- 66227 RAKK, I. Relation between harvesting date and nutrient content. (Hu) Magyar Mezogazdasag 21(19):8-9. May 11,1966. 19 M27
Forage plants.
- 66228 RAO, S. M., and RAMASWAMY, K. P. Studies on grasses with special reference to their fodder production potential on contour bunds. Madras Agr. J. 52(9):391-393. Sept.1965. 22 M262
- 66229 REBISCHUNG, J. Methods of harvesting forage plants. (Fr) Agriculture [Paris] 29(286):67,69, 71. Feb.1966. 14 Ag823
In France.

- 66230 REID, D. Studies on the cutting management of grass-clover swards. IV. The effects of close and lax cutting on the yield of herbage from swards cut at different frequencies. *J. Agr. Sci. [London]* 66(1):101-106. Feb.1966. 10 J822
Perennial ryegrass and white clover in Scotland.
- 66231 RETHMAN, N. F. G., and BOOYSEN, J. DE V. Rooigras [*Themeda triandra*]-veld management for seeding. *Farming S. Afr.* 42(1):9,20. Apr.1966. 24 So842
- 66232 ROBERTS, H. M. The seed productivity of perennial rye-grass varieties. *J. Agr. Sci. [London]* 66(2):225-232. Ref. Apr.1966. 10 J822
- 66233 ROFLO, J. Better meadow culture. (No) *Norsk Landbruk* 24:8-9. Dec.3,1965. 11 N8122
- 66234 ROGERS, H. H. Breeding and blending. *Brit. Grassland Soc. J.* 21(1):102-107. Mar.1966. 60.19 B773
- 66235 ROHWEDER, D. A. Forage crop varieties and seeding mixtures for 1966. *Wis. Univ. Ext. Circ.* 463,rev.,15 p. Feb.1966. 275.29 W75C
- 66236 SACHS, E. Prerequisites for successful clover-grass culture. (Ge) *Mitt. Deut. Landwirt. Ges.* 81(15):633-634. Apr.14,1966. 18 N39
- 66237 SANTOS, M. H. P. Persian clover [*Trifolium resupinatum*] and its vast horizons. (Por) *Granja [Lisboa]* 24(3/4):105-111. July/Dec. 1965. 15.5 G76
Chiefly culture.
- 66238 SCHOOLER, A. B. *Elymus caput-medusae* L. crosses with *Aegilops cylindrica* host. *Crop Sci.* 6(1):79-82. Ref. Jan./Feb.1966. 64.8 C883
- 66239 SCHREIER, J. Study of the effect of cultural practices on the yield of winter rape. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba* 38(12):1301-1305. Ref. Dec.1965. 64.9 C33
English summary.
- 66240 SHAH, V. H. Influence of companion crops on the yield and quality of berseem (*Trifolium alexandrinum* Juslen.). *Indian J. Agr. Sci.* 35(4):291-304. Dec.1965. 22 Ag831
- 66241 SHORT, H. L., DIETZ, D. R., and REMMENG, E. E. Selected nutrients in mule deer browse plants. *Ecology* 47(2):222-229. Ref. Early Spring 1966. 410 Ec7
- 66242 SHOULDERS, J. F. Reseed ladino clover in tall-grass pasture. *Va. Polytech. Inst. Ext. Leaflet* 21,rev.,2 p. Mar.1966. 275.29 V81L
For improvement of stands of orchardgrass or tall fescue.
- 66243 SIMON, U. Varieties and origins of red clover. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(13):536,538, 540. Mar.31,1966. 18 N39
- 66244 SIMON, U. Whither, German forage plant breeding? (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(15):621-622. Apr.14,1966. 18 N39
- 66245 SINGH, K. N., JOON, B. S., and KHAN, A. R. Bigger profits from fodder crops around Delhi. *Indian Farming* 15(8):32-34. Nov.1965. 22 In283
- 66246 SRINIVASAN, V. K., DATTA, N., and KHANNA, P. P. Foxtail millet has a bright future. *Indian Farming* 15(5):16. Aug.1965. 22 In283
Culture.
- 66247 STEIKHARDT, H. Prospects of farm-forage production in the DDR. (Ge) *Deut. Landwirt.* 17(3):128-131, map. Ref. Mar.1966. 18 D4822
Culture.
- 66248 STINDT, H. W., and others. The nutritive value of natural pastures in the Humansdorp area in the South East Cape Province of the Republic of South Africa. *Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun.* 45,13 p., map. Ref. 1965. 24 So863
P. G. Celliers, J. G. V. Joubert, and I. S. Perold, joint authors.
- 66249 STUTZER, D. Chances for the forage farms. (Ge) *DLZ (Deut. Landtech. Z.)* 17(4):202-203. Apr.1966. 58.8 T677
- 66250 SUTTIE, J. M. The establishment of pastures at medium altitudes. *Kenya Farmer* 109:16-17. Aug.1965. 24 R812
- 66251 SZABO, A. Lucerne planting in the experimental farm of Keszthely. (Hu) *Magyar Mezogazdasag* 21(16):9. Apr.20,1966. 19 M27
- 66252 SZABO, J. Some problems of lucerne production. (Hu) *Magyar Mezogazdasag* 21(17):5. Apr.27,1966. 19 M27
Harvesting and drying.
- 66253 SZERAFIN, J. The yellow sweetclover, a forage plant of calcareous sandy soils. (Hu) *Magyar Mezogazdasag* 21(13):8-9. Mar.30,1966. 19 M27
Culture.
- 66254 TELLHELM, E. Experiments in vegetative convergent improvement of clover (*Melilotus*). (Ge) *Zuchter* 35(6):278-282. Ref. 1965. 442.8 Z8
East Germany.
- 66255 TODERI, G., and PIMPINI, F. Research on herbage followed by corn. (It) *Prog. Agr. [Bologna]* 11(9):911-928. Sept.1965. 58.8 P94
Yields.
- 66256 TORRECABRERA, J. Parcelling and use of meadows. (Sp) *Cult. Mod.* 49(3):95-96. Mar. 1966. 15 C89
Rotational grazing and fertilizing in Spain.
- 66257 TROLL, H. J. Comparisons of yields of bitter and alkaloid weak *Lupinus luteus*. (Ge) *Zuchter* 35(6):233-238, map. 1965. 442.8 Z8
East Germany.
- 66258 VANONI, E. J. Rotational pastures, peaceful revolution. (Sp) *Soc. Rural Argent. An.* 99(7):68-70, 72, 74, 76. July 1965. 9 So1
- 66259 VARGA, P., KELLNER, E., and SLUSANSCHI, H. Results of the research on the way of improving the management of alfalfa stands. (Rum) *Probl. Agr. [Bucharest]* 17(11):4-15. Ref. Nov.1965. 21 R862
English summary.
- 66260 VERBOOM, W. C. *Brachiaria dura*, a promising new forage grass. *J. Range Manage.* 19(2):91-93. Mar.1966. 60.18 J82
In Zambia, Africa.
- 66261 VERBOOM, W. C. The grassland communities of Barotseland. *Trop. Agr. [St. Augustine]* 43(2):107-115. Apr.1966. 26 T754
Pasture management in Zambia; includes legumes.
- 66262 VIRGINIA POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Alfalfa seedling suggestions. *Va. Polytech. Inst. Ext. Leaflet* 178,rev.,2 p. Feb.1966. 275.29 V81L
- 66263 VOGEL, W. G., and VAN DYNE, G. M. Vegetation responses to grazing management on a foothill sheep range. *J. Range Manage.* 19(2):80-85. Ref. Mar.1966. 60.18 J82
In Montana.
- 66264 VOVK, O. G. *Agrostis alpina* Scop. in Ukrainian SSR. (Uk) *Ukr. Bot. Zhur.* 21(5):104-105. 1964. 450 J8212J
- 66265 WACKER, G. Problems of grassland renewal. (Ge) *Deut. Landwirt.* 17(3):145-146. Mar.1966. 18 D4822
- 66266 WAGNER, R. E., and GRIFFITH, W. K. Prescription for top alfalfa yields. *Hoards Dairyman* 111(9):571,616. May 10,1966. 44.8 H65
- 66267 WANG TIEN-K'UI. How to utilize and improve the grassland in west Heilungkiang. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr.* 14:28-37. Nov.24,1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:25-30. Jan.10,1964.
Issued by CFSTI.
- 66268 WERMKE, M. Investigation into the consistency of cropping ability of some varieties of Italian ryegrasses (*Lolium multiflorum* Lam. italicum). (Ge) *Z. Acker- Pflanzenbau* 123(4):309-331. Ref. Apr.1966. 18 J825
English summary.
- 66269 WILSON, A. M., HARRIS, G. A., and GATES, D. H. Cumulative effects of clipping on yield of bluebunch wheatgrass [*Agropyron spicatum*]. *J. Range Manage.* 19(2):90-91. Mar.1966. 60.18 J82
In Washington.

- 66270 WIREN, G. A permanent pasture must be planned with care. (Sw) Var Naring 42(4):99-100. 1965. 44.8 M692
- 66271 ZAKHAR'EV, N. I., and others. Intensive usage of alfalfa and grass mixtures. (Rus) Zhi-votnovodstvo 3:69-73. Mar.1966. 49 Z6
V. Ya. Yakovlev, L. V. Koverga, N. G. Kotysheva, K. D. Dzhekshevaliev, A. B. Mukasheva, and A. A. Atabaev, joint authors.
- 66272 ZEINER, W. F. Breeding of lucerne under the ecological conditions of South Africa. (Ge) Z. Acker- Pflanzenbau 123(4):383-394. Ref. Apr.1966. 18 J825
English summary.
- 66273 ZIEGENBEIN, G. Experiences with Persian clover [*Trifolium resupinatum*] in 1964 and 1965. (Ge) Mitt. Deut. Landwirt.-Ges. 81(16): 674,676,678,680. Apr.21,1966. 18 N39

Oil Crops

- 66274 ARBAEZ, A. Peanut culture in Argentina. (Sp) Bolsa Com. Rosario. Rev. 54(1298):7-9. Feb.28,1966. 287 R71
- 66275 BHATT, J. G. Sowing time: a factor in increasing linseed yield in Madhya Pradesh. Madras Agr. J. 52(1):13-17. Jan.1965. 22 M262
- 66276 BINI, G., and RADDI, P. Hormonal preparations used as aid in olive harvesting. (Gre) Delt. Agrotikes Trapezes 144:4-7. May/June 1965. 21.7 D38
- 66277 BOND, M. D. Peanuts. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:12-13. 275.29 AL1Su
Extension programs.
- 66278 DAVIS, J. H. Soybeans for rice area of southwest Louisiana. Rice J. 69(5):16,18. May 1966. 59.8 R36
- 66279 DUMITRESCU, N., and PINZARIU, D. Establishing the density of sunflower crops under the conditions of the Jijia-Bahlui Depression. (Rum) Probl. Agr. [Bucharest] 18(3):23-29. Mar.1966. 21 R862
English summary.
- 66280 GALGOCZI, J. Less empty seed capsule means greater sunflower yield. (Hu) Magyar Mezőgazdaság 21(19):11. May 11,1966. 19 M27
Suggestions for culture.
- 66281 GREEN, D. E., CAVANAH, L. E., and PINNELL, E. L. Effect of seed moisture content, field weathering, and combine cylinder speed on soybean seed quality. Crop Sci. 6(1):7-10. Jan./Feb.1966. 64.8 C883
- 66282 HARTMAN, H. T. Olive culture in California. (Gre) Delt. Agrotikes Trapezes 144:16-18. May/June 1965. 21.7 D38
- 66283 INIGO, R. M. Peanuts; comparative yield trial in Tucuman; preliminary report. (Sp) Tucuman. Estac. Exp. Agr. Rev. Ind. Agr. Tucuman 42(2/3):75-81. May 1960/Dec.1964. 9 T79
English summary.
- 66284 IVANOV, V., and others. Castorbeans culture on irrigated soils in the southern steppe of Ukraine. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:29-34. Feb.1966. 20 V633
S. Kireyeva, A. Moroz, and V. Salatenko, joint authors.
English summary.
- 66285 JOSHI, S. N., and JOSHI, H. U. Mixed cropping of groundnut-cotton under irrigated condition in Saurashtra. Indian Oilseeds J. 9(4):244-248. Ref. Oct./Dec.1965. 307.8 In22
- 66286 KALINOV, Z. Production of sunflowers. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:1-6. May 4, 1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
In Bulgaria.
Translation from Kooperativno Zemedelie 3:1-2. Mar.1966.
Issued by CFSTI.
- 66287 KRISHNAN, R. H. Time of sowing of groundnut as an irrigated crop in the summer months in the rice fallows in the Cauvery Mettur Project area. Madras Agr. J. 52(7):322-324. July 1965. 22 M262
- 66288 KUMAR, K., and KISHORE, J. Oilseed crops in Rajasthan—castor. Indian Oilseeds J. 9(4): 257-259. Oct./Dec.1965. 307.8 In22
Culture.
- 66289 KURNIK, E. Timely problems of sunflower culture. (Hu) (Excerpts.) Magyar Mezőgazdaság 21(17):7-8. Apr.27,1966. 19 M27
- 66290 LI, C. J., MU, F. J., and CHANG, H. Y. Effect of vegetative area on soybean yield. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 63:30-36. July 8,1965. (JPRS 30,987; TT 65-31485) 173 J663Tcf
Translation from Hei-Lung-Chiang Nung Yeh 1:37-40. Jan.1965.
Issued by CFSTI.
- 66291 MAINI, N. S., and BAINS, G. S. Effect of variety and agronomic practices on the yield and composition of soybean. Indian Oilseeds J. 9(4):231-243. Ref. Oct./Dec.1965. 307.8 In22
- 66292 MAINI, N. S., and NJHAWAN, H. L. Factors that affect groundnut quality. Indian Farming 15(12):31,33. Mar.1966. 22 In283
Culture.
- 66293 MARANO, B. Behavior of sex cultivars of soybean originating in the United States in the district of the lower Volturno basin. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:235-246. 1964/65. 105.4 P83
English summary.
- 66294 MASSON, C. G. The sunflower in certain eastern European countries, (U.S.S.R., Rumania and Yugoslavia). (Fr) Oleagineux 21(3): 137-141. Mar.1966. 77.8 OL2
English summary, p. XXXVII.
Yields.
- 66295 MORAN F., L. E. Behavior of five test varieties of sesame in six localities over three years. (Sp) Agr. Tec. Mex. 2(5):236-240. July 1965. 8 Ag839
- 66296 NESTER, R. P. Soybean production in Arkansas. Ark. Univ. Ext. Circ. 508,rev.,22 p.,map. Mar.1966. 275.29 Ar4
- 66297 ORBAIZ, A. Soybean culture. (Sp) Soc. Rural Argent. An. 99(5):32-33,52. May 1965. 9 Sol
- 66298 PERMETI, M. Some preliminary considerations about soja in the Myzeqe conditions. (Al) Bul. Shkencave Bujqesore 4(3):40-48. 1965. 21.5 B87
English summary.
Varietal tests; Albania.
- 66299 PROBST, A. H., ATHOW, K. L., and LAVIOLETTE, F. A. Amsoy soybean. Ind. Agr. Exp. Sta. Res. Progr. Rep. 226,2 p. Mar.1966. 100 In2Res
- 66300 PROBST, A. H., ATHOW, K. L., and LAVIOLETTE, F. A. Wayne soybean in Indiana. Ind. Agr. Exp. Sta. Res. Progr. Rep. 221,2 p. Feb. 1966. 100 In2Res
- 66301 RAO, B. S. A critical approach for intensive cultivation of groundnut in Madras State. Madras Agr. J. 52(3):106-118. Mar.1965. 22 M262
- 66302 REDDY, G. P., RAO, C. S., and REDDY, P. R. Mixed cropping in castor. Indian Oilseeds J. 9(4):310-313. Oct./Dec.1965. 307.8 In22
- 66303 ROGERS, H. V., and others. Soybeans; how to grow more high quality beans. Clemson Univ. Ext. Circ. 501,4 p.,map. Apr.1966. 275.29 So8E
C. N. Nolan, F. H. Smith, W. C. Nettles, M. C. McKenzie, and C. A. Thomas, joint authors.
- 66304 ROSAS, G. S. Hale 321: promisorio variedad de soja para la region de Pergamino [Hale 321: promising variety of soybeans for the Pergamino Region]. Pergamino. Estac. Exp. Agropecuar. Inform. Tec. 50,6 p. Dec.1965. 102.5 P413
- 66305 SATYABALAN, K., PONNAIYA, B. W. X., and RAMAN, V. S. Studies on hybrid vigour in castor. Indian Oilseeds J. 9(4):283-289. Ref. Oct./Dec.1965. 307.8 In22
- 66306 SEN, S., and GHOSH, M. Influence of time of harvesting on the quantity and quality of oil in groundnut. Indian Oilseeds J. 9(4):260-265. Oct./Dec.1965. 307.8 In22

- 66307 SHEKHAWAT, G. S., JAIN, R. K., and KALA, T. C. Studies on the effect of methods of sowing, row spacing and seed-rate on the yield of groundnut. *Indian Oilseeds J.* 9(4):280-282. Oct./Dec.1965. 307.8 In22
- 66308 SMALL, H. Soybean varieties and planting suggestions. N. C. Univ. Ext. Folder 248, 8 p. Jan.1966. 275.29 N811Ex
- 66309 SOCIETE D'AIDE TECHNIQUE ET DE LA COOPERATION. Stages to develop the groundnut production in Senegal. (Fr) *Oleagineux* 20 (12):725-729, map. Dec.1965. 77.8 OL2 English summary.
- 66310 SWALLERS, C. M., and others. Effects of stand reduction on performance of Norsoy soybeans. N. Dak. Agr. Exp. Sta. Res. Rep. 16, 14 p. Ref. Feb.1966. 100 N813R
R. E. Bothun, J. F. Carter, A. N. Hella, and T. E. Stoa, joint authors.
Effects of thinning on seed yield.
- 66311 T'AN, M. C. The selective cultivation of rape crop of different strains in Szechwan. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 14:1-8. Nov.24,1964. (JPRS 27,513; TT 64-51762) 173 J663Tcf
Translation from Chung-kuo Nung Pao 1:9-12. Jan.10,1964.
Issued by CFSTI.
- 66312 TANO, F. The oil-producing sunflower in associated culture. (It) *Ital. Agr.* 103(2):165-174. Ref. Feb.1966. 16 It1
- 66313 U. S. DEPT. OF AGRICULTURE, OILSEED, PEANUT, AND SUGAR CROPS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the third meeting, Washington, D. C., January 24-27, 1966. Washington, Research Program Development and Evaluation Staff, 1966. 12 p. A77.9 R313
Culture and utilization research.
- 66314 WEBER, C. R. A new soybean Amsoy. *Iowa Farm Sci.* 20(8):5-6, map. Feb.1966. 275.28 Io94
- 66315 ZUPANCIC, T. Test with the defoliation of soybeans in 1963 and 1964. (Se) *Savremena Poljoprivreda* 13(10):851-854. Oct.1965. 21 P75
- Sugar Crops**
- 66316 ARANETA, R. Variety tests in Bais Mill District. *Philippine Sugar Inst. Quart.* 11(2):51-56. June 1965. 65.9 P533
- 66317 COMMISSIE TER BEVORDERING DER SUIKERBIETENTEELT IN DE NOORDELIJKE PROVINCIE. Rapport [Report of the Commission for the Promotion of Sugar Beet Culture in the Northern Provinces]. *Inst. Ration. Suikerprod. Meded.* 35(1), 28 p. 1965. 66.9 B45
- 66318 DEMETERIO, J. K. Variety and fertilizer experiment. *Philippine Sugar Inst. Quart.* 11(2):40-43. June 1965. 65.9 P533
- 66319 DU TOIT, J. L., and MURDOCH, M. G. A summary of agricultural data, sugarcane crop, 1965. *S. Afr. Sugar J.* 50(3):259,261,263,265, 267. Mar.1966. 65.8 So8
Includes statistics and yields.
- 66320 FEDOROV, A. I. Effect of some cultural practices in growing seed sugar beets and seedlings on the planting quality of seeds. (Rus) *Voprosy Semenovodstva, Semenovodeniya i Kontrol'no-Semnogo Dela* 2:310-313. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:33. July 1965. Film S-202
- 66321 GESSEL, T. G. The new wheel of progress. *Sugar Beet* 18(47):14-17. Spring 1966. 66.8 Su34B
Monogerm seed research.
- 66322 GRINKO, T. F. Work methods for breeding productive sugar beet varieties with high sugar content, and ways for the use of heterosis in beets. 9 p. Transl. 14013
Translation from *Ukrainskaya Akademiya Sel'skokhozyaistvennykh Nauk. Dostizheniya nauki i peredovoi opyt po svezklovodstvu* 1961: 219-225.
- 66323 GUERINEAU, C. M., and SCARSI, M. A. Sugar-cane varieties; their behavior in Tucuman (Argentina). (Sp) *Tucuman, Estac. Exp. Agr. Rev. Ind. Agr. Tucuman* 42(2/3):63-74. May 1960/Dec.1964. 9 T79
English summary.
- 66324 HANBURY, L. F., and MAUGHAN, G. L. Trials with monogerm seed for the mechanization of spring work in sugar beet. *J. Agr. Sci. [London]* 66(2):181-188. Apr.1966. 10 J822
- 66325 HARESCO, I. J., and PARCO, R. C. Yield test of some foreign varieties in Asturias and Santos-Lopez Mill District. *Philippine Sugar Inst. Quart.* 11(2):48-50. June 1965. 65.9 P533
Sugarcane.
- 66326 HEEGE, H. The Danish method of sugar beet harvesting. (Ge) *Forsch. Beratung, Reihe B, Wiss. Ber. Landwirt. Fak. Univ. Bonn.* 13:83-133. Ref., p.131-133. 1965. 18 F777
- 66327 INNIS, B. DE L., GILKES, C. D., and JONES, E. L. The yield of sugar cane in Barbados in 1965. *Barbados. Min. Agr. Lands Fish. Bull.* 41, 26 p. Oct.1965. 8 B23B
Includes varieties.
- 66328 KORNIENKO, I. I. Methods for improving planting of sugar beets grown for seeds. (Rus) In *Belotserkovskaya Opytno-Selektsionnaya Stantsiya. Itogi Nauchno-Issledovatel'skikh Rabot po Selektzii, Agrotekhnike i Zashchite Rastenii* 1964:184-188. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:33. July 1965. Film S-202
- 66329 KORNIENKO, I. I. On some practices influencing increase of yields and improvement of seed quality in growing of sugar beets. (Rus) In *Belotserkovskaya Opytno-Selektsionnaya Stantsiya. Itogi Nauchno-Issledovatel'skikh Rabot po Selektzii, Agrotekhnike i Zashchite Rastenii* 1964:178-183. (Not in Libr.)
Abstracted in Ref. Zh. Otd. Vypusk [Ser.] 55, *Rastenievod.* 14:33. July 1965. Film S-202
- 66330 NARAYANAN, K., and EKAMBARAM, C. Studies on the effect of change of seed materials of Co. 419 on yield and quality of sugarcane. *Madras Agr. J.* 53(2):62-66. Ref. Feb.1966. 22 M262
- 66331 OGUNTOYINBO, J. S., Agroclimatic problems and commercial cane sugar industry in Nigeria. *Nigerian Geogr. J.* 8(2):83-97, map. Ref. Dec. 1965. 331.8 N56
Includes production regions.
- 66332 PANJE, R. R. Can India have a sugarbeet industry. *Indian Farming* 15(3):14-16. June 1965. 22 In283
Chiefly culture.
- 66333 PANJE, R. R. Sugarcane yields, actual and potential. *Indian Farming* 15(5):26-27. Aug. 1965. 22 In283
- 66334 SKINNER, J. C. Using wild species to breed better canes. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull.* 29(4):112-116. Apr.1,1966. 65.9 Q3C
- 66335 WHITAKER, G. H. Performance of new varieties. *Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull.* 29(4):119-120. Apr.1,1966. 65.9 Q3C
- 66336 WHITEHEAD, C. Sugarcane in South Africa. II. Planting. *World Farming* 8(4):32-33. Apr. 1966. 30.08 W89
- Tobacco**
- 66337 COLSON, D. A. Narrow strips find favor with tobacco farmers. *Soil Conserv.* 31(9):210-211. Apr.1966. 1.6 So3S
Kentucky.
- 66338 EKREMENT, E. A. Tobacco growing in Ghana. *Ghana Farmer* 9(1):30-37. Feb.1965. 24 G564
- 66339 GHENT. RIJKSLANDBOUWHOGESCHOOL. CENTRUM VOOR TABAKONDERZOEK. Beknopt verslag [Brief report of the Center for Tobacco Research] 1964-1965. Gent, 1965. 29 p. 69.9 W522

- 66340 LEONOV, I. P. All-Union Research Institute for Tobacco and Aztec tobacco [Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki]-50th anniversary. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:121-124. Mar. 1966. 20 V633
- 66341 MARANI, A., and SACHS, Y. Heterosis and combining ability in a diallel cross among nine varieties of oriental tobacco. Crop Sci. 6(1):19-22. Ref. Jan./Feb.1966. 64.8 C883
- 66342 MCDONALD, I. In Rhodesia research is a combined effort. Tobacco [New York] 162(21): 36,38-39. May 27,1966. 286.89 T552
Cultural research.
- 66343 PATACO, M. The production of plants in tobacco nurseries and chief factors influencing their development. (Por) Granja [Lisboa] 24 (3/4):147-154. July/Dec.1965. 15.5 G76
Culture.
- 66344 RIOS, F. Tobacco, prosperous crop. (Sp) Soc. Antioquena Agr. Bol. Agr. 542:10047-10049. Aug.1965. 9.4 So1
Culture in Colombia.
- 66345 TAPIAS, R. Tobacco nurseries. (Sp) Cult. Mod. 48(10):362-363. Oct.1965. 15 C89
Planting.

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 66346 AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE. Proceedings, vol. 87. Beltsville, Md., 1965. 676 p. Ref. 81 So12
- 66347 ASSAF, R. Mist propagation; critique of different techniques, results, and applications of a new system. (Fr) J. Agr. Trop. Bot. Appl. 12(1/3):23-43; (4/5):168-193. (Cont.) Jan.-May 1965. 26 J822
- 66348 BAGBY, J. Horticulture. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:8-9. 275.29 AL1Su
Extension programs.
- 66349 BATJER, L. P. Horticultural science and its application. Amer. Soc. Hort. Sci. Proc. 87: 579-585. Dec.1965. 81 So12
- 66350 BENVENUTI, A., and CIONI, P. L. Results of experiments with plastics used for forcing. (It) Agricoltura 15(3):28-34. Ref. Mar.1966. 16 Ag8226
Tomatoes, Gladiolus, and tulips in greenhouses.
- 66351 BOROS, R., and BAJNOK, I. Rapid horticultural experiment evaluation giving the order of sequence. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):135-148. 1965. 80 B85
English summary.
- 66352 CARIBBEAN FOOD CROPS SOCIETY. Third annual meeting, San Juan, Puerto Rico, August 8-14, 1965; [proceedings]. n.p., 1965. 13 p. 64.9 C19
Chiefly fruits and vegetables.
Includes abstracts of papers.
- 66353 FAUST, J. L. Around the garden week by week; a guide to garden planning for every season. New York, Appleton-Century, 1965. 120 p., map. SB46.F3
- 66354 GILLESPIE, N. 1001 Western garden questions answered. Princeton, N. J., Van Nostrand, 1966. 239 p. SB453.2.W4G5
- 66355 GOOL, H. J. VAN. More efficiency in the horticultural advisory service. (Du) Groenten Fruit 21(41):1845. Apr.27,1966. 80 G89
- 66356 GREENSILL, T. M. Tropical gardening. New York, Praeger, 1966. 272 p. SB454.G7
Vegetables, fruit and ornamentals.
- 66357 HORYNOVA, A., and others. Prakticke zahradnictvi; ovocnictvi, zelinarstvi [Practical gardening; fruit and vegetable cultures]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 602 p. Ref. SB465.H6
O. Bilek, B. Hanus, and O. Macel, joint authors.
- 66358 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Agriculture in Ladakh. 3. Orchards, farms come up in Ladakh. Indian Farming 15 (4):11,13. July 1965. 22 In283
Chiefly culture of fruit, vegetables, and field crops.
- 66359 LAVERTON, S. Long Ashton reports; points from the 1964 annual report of Long Ashton Agricultural and Horticultural Research Station. Great Brit. Min. Agr. Fish. Food. Agr. 73(2): 75-78. Feb.1966. 10 G79J
Apple, black currant, and willow culture.
- 66360 MELLENTHIN, W. M., BROWN, G. G., and BESSE, R. S. The Mid-Columbia Experiment Station its development, program, and accomplishments, 1913 to 1965. Oreg. Agr. Exp. Sta. Spec. Rep. 211,19 p. Mar.1965. 100 Or3M
Horticulture in Hood River Valley.
- 66361 NILSSON, A. Horticulture. (Sw) Uppsala. Lans Hushallningssallsk. Handl. 147:55-60. 1965. 11 Up6
- 66362 NORSK PLANTESKOLELAG. Annual report and accounts, of the Norwegian Nursery Association. (No) Norsk Planteskolelag 11:59-64. 1965. 86 N812
- 66363 NYEKES, I. The library of the Horticultural Research Institute [Kerteszeti Kutato Intezet]. (Hu) Mezogazdasagi Konyvtarosok Tajekoztatoja 1:19-21. 1966. 243.8 M57
- 66364 PORTAS, C. M. A definition of horticultural crops. (Por) Agros [Lisboa] 48(1/2):63-68. Jan./Apr.1965. 15.5 Ag82
- 66365 RASTENIYA, primenyaemye v bytu: plodovye, yagodnye, lekarstvennye i dekorativnye [Useful plants: fruit, berries, drug and ornamental plants]. Ed. 2, rev. and enl. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1966. 279 p. (Moskovskoe Obschestvo Ispytatelei Prirody. Sredi Prirody, No.54) QK321.R3
Varieties, in USSR.
- 66366 RUSKOL, A. Homestead sections of the workers and employees of the sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62: 1-5. Jan.21,1965. (JPRS 28,398) 173 J663Tso
Allotments for gardening.
Translation from Ekonomika Sel'skogo Khozyaystva 9:54-57. Sept.1964.
Issued by CFSTI.
- 66367 SARTORI, L. Plastic film for crop protection. (It) Avvenire Agr. 74(3):60-63. Mar.1966. 16 Av9

Fruits--General

- 66368 BROOKS, R. M. Register of new fruit and nut varieties list 20. Amer. Soc. Hort. Sci. Proc. 87:586-618. Dec.1965. 81 So12
- 66369 FEJES, S. Discussion of results and experiences in the orchard and vineyard development program. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 322: 21-26. Dec.4,1964. (JPRS 27,686) 173 J663Ste
In Hungary.
Includes discussion.
Translation from Nepszabadsag, Oct.18,1964: 7.
Issued by CFSTI.
- 66370 FRUIT growing in the Soviet Union. Int. Fruit World 25(1):112,115,117-118,121-122,125-126, 129,131-132,135-136,143,145-146,149. Spring 1966. 286.83 F9426
Text also in German and French.

- 66371 HANSEN, C. J., and HARTMANN, H. T. Propagation of temperate-zone fruit plants. Calif. Univ. Ext. Circ. 471, rev. 50 p. Feb. 1966. 100 C12S
California Agricultural Experiment Station, cooperating.
Fruits and nuts.
- 66372 MAURER, K. J. Decisive yield factors in fruit production. (Ge) *Obst Gemuse* 30(5):34-35. May 1966. 286.83 Ob72
Cultural factors.
- 66373 NILSSON, F. Origin of fruit trees. (Sw) *Frukodlaren* 36(7/8):125-131. Dec. 1965. 86 Sv2F
- 66374 PAINTER, A. C. The fruit group table, 1965. Roy. Hort. Soc. J. 91(5):217-218. May 1966. 84 L84J
Varieties.
- 66375 ROACH, F. A. Russia has one and-a-half times total area of N.Z. under fruit production. *Orchardist New Zeal.* 39(3):99-100. Apr. 1966. 80 Or19
Chiefly culture.
- 66376 SPASOV, T., and KOVACHEV, G. *Nagledno rukovodstvo po ovoshtarstvo* [Handbook for simple methods in growing of fruit]. Ed. 2, rev. and enl. Sofiya, Zemizdat, 1965. 416 p. Ref. SB357.S6
- 66377 STACEY, J. K., and CHAPLIN, C. E. Reproducing fruit trees by grafting & budding. Ky. Univ. Ext. Circ. 604, 14 p. Nov. 1965. 275.29 K415

Fruits—Citrus and Subtropical

- 66378 ABRAHAMS, E. It happened last May (the growing of banana). *Ghana Farmer* 9(2):62-63. May 1965. 24 G564
- 66379 ALMEIDA, F. DE. The Cavaco Valley as banana producer. (Por) *Gaz. Agr. Angola* 11(3):898-899, 904-905. Mar. 1966. 24 G252
Cultural methods and costs and returns.
- 66380 BURKE, J. H. Citrus industry of Greece. U. S. Foreign Agr. Serv. FAR-[Foreign Agriculture Report] 129, 38 p., map. Mar. 1966. 1.943 F763
Includes culture, marketing, and trade.
- 66381 CAMPBELL, C. W. The Golden Star carambola [Averrhoa carambola]. Fla. Agr. Exp. Sta. Circ. S-173, 6 p. Nov. 1965. 100 F66Ci
- 66382 CEYLON COCONUT RESEARCH INSTITUTE. Annual report for 1964. Ceylon Coconut Quart. 16(1/2), 83 p., map. Jan./June 1965. 77.8 C33
- 66383 CORTES, I. A. Early yielding olives. (Sp) *Cult. Mod.* 48(6):208-209. June 1965. 15 C89
Culture.
- 66384 DELORME, M. The coconut palm in Dahomey. (Fr) *Oleagineux* 21(1):1-4, map. Jan. 1966. 77.8 OL2
English summary.
- 66385 DEVEZA, M. C. Grafting of mangoes. (Por) *Gaz. Agr. [Lourenco Marques]* 17(197):296-297. Oct. 1965. 24 G25
- 66386 HALI, R. Grow Malta lemon in your home garden. *Intensive Agr.* 2(11):13. Jan. 1965. 22 In8
India.
- 66387 HARTMANN, H. T., and LORETI, F. Seasonal variation in rooting leafy olive cuttings under mist. *Amer. Soc. Hort. Sci. Proc.* 87:194-198. Ref. Dec. 1965. 81 So12
- 66388 HARTMANN, H. T., and OPITZ, K. W. Pruning olive trees in California. Calif. Univ. Ext. Circ. 537, 15 p. Jan. 1966. 100 C12S
- 66389 LAWRENCE, F. P. Papaya growing in Florida. Fla. Univ. Ext. Circ. 296, 6 p.-folder. Mar. 1966. 275.29 F66C
- 66390 LECOQ, J., and MARSEAU, J. M. An experience of intensive culture of "Poyo" bananas in Cameroon. (Fr) *Cameroun Agr. Past. Forest.* 91:34-37. Oct. 1965. 24 C353
- 66391 LEVITT, E. C. Citrus industry survives threat of extinction. *Agr. Gaz. New S. Wales* 77(2):89-94. Feb. 1966. 23 N472
Chiefly culture.
- 66392 MAY, G. The perfect banana—it's almost here! *World Farming* 8(4):23. Apr. 1966. 30.08 W89
Breeding.
- 66393 MELVILLE, F. A survey of citrus plantings in Western Australia. West. Australia Dep. Agr. J. (ser. 4) 7(1):4-6, 9-12. Jan. 1966. 23 W52J
Culture.
- 66394 MUKHERJEE, S. K., and BID, N. N. Propagation of mango (*Mangifera indica* L.). II. Effect of etiolation and growth-regulator treatments on the success of air-layering. *Indian J. Agr. Sci.* 35(4):309-314. Ref. Dec. 1965. 22 Ag83I
ORANGE cultivation in Mexico. *Int. Fruit World* 25(1):251-252, 255-256, 259. Spring 1966. 286.83 F9426
Text also in German and French.
- 66396 PANSION, F. P., and REBOUR, H. Improvement of olive culture: planting. (Sp) *Tierra [Mexico]* 20(11):866-867, 920. Nov. 1965. 8 T445
- 66397 PANSIOT, F. P., and REBOUR, H. Improvement of olive culture: creation of an orchard. (Sp) *Tierra [Mexico]* 20(9):714-715, 762. Sept. 1965. 8 T445
- 66398 PANSIOT, F. P., and REBOUR, H. Improvement of olive culture: planting. (Sp) *Tierra [Mexico]* 21(1):26-27, 75. Jan. 1966. 8 T445
- 66399 PANSIOT, F. P., and REBOUR, H. Improvement of olive culture: propagation. (Sp) *Tierra [Mexico]* 20(5):371, 416. (Cont.) May 1965. 8 T445
- 66400 PETCULESCU, V. Aspects of the organization and development of fruit and grapes culture in state farms of the Temisoara region. (Rum) *Gradina, Via Livada* 14(2):18-22. Feb. 1965. 80 G75
- 66401 PUFFER, R. E. Avocados in Los Angeles County. Calif. *Citrogr.* 51(7):310. May 1966. 80 C125
Culture.
- 66402 PY, C. Pineapples on Martinique. (Fr) *Potasse* 39(329):205-210. Nov. 1965. 57.8 P84
Culture.
- 66403 SINGH, J. Forests give way to coconut farms. *Indian Farming* 15(4):20-22, 31. July 1965. 22 In283
On Andaman and Nicobar Islands.
- 66404 SOCIEDAD DE AGRICULTORES DE COLOMBIA. Olive culture. (Sp) *Rev. Nac. Agr.* 57(723):45-46. July 1965. 9.4 R32
- 66405 THOMAS, C. A. How to grow coconut on bunds. *Indian Farming* 15(11):19-20. Feb. 1966. 22 In283
- 66406 THOMAS, C. A. Kodapuli [*Garcinia cambogia*] little known but pays much. *Indian Farming* 15(5):33, 35. Aug. 1965. 22 In283
- 66407 VARIETIES of oranges grown by Mediterranean countries. *Int. Fruit World* 25(1):342, 345, 347-348, 351, 353-354. Spring 1966. 286.83 F9426
Text also in German and French.
- 66408 VILLEMAIN, G. The maintenance of coconut groves. (Sp) *Tierra [Mexico]* 20(8):630-631, 679. Aug. 1965. 8 T445
Cultural methods in Mexico.

Fruits—Deciduous

- 66409 BADESCU, G., and others. Varieties of apples and pears suitable for intensive culture. (Rum) *Gradina, Via Livada* 14(1):44-51. Jan. 1965. 80 G75
D. Blaja, S. Catavela, V. Cociu, A. Gherghi, I. Ivan, N. Meza, G. Moruju, S. Oprea, N. Stefan, and S. Wagner, joint authors.
- 66410 BOSKOVIC, M., and ARADSKI, M. Fruit-bearing of apples grown in palmetto shape with slanting branches on rootstocks M IX, II. (Se) *Savremena Poljoprivreda* 13(11):943-957. Nov. 1965. 21 P75
English summary.
- 66411 CARLSON, R. F. The effects and relationships of intermediate stem sections on growth and behavior of apple cultivars. *Amer. Soc. Hort. Sci. Proc.* 87:21-28. Dec. 1965. 81 So12

- 66412 CIFRANIC, P., and CHLEBIK, S. Rez a tvarovanie ovocnych drevin [Pruning and grafting of fruit trees]. Bratislava, Slovenske Vydavatelstvo Podohospodarskej Literatúry, 1965. 306 p. Ref. SB125.C5
- 66413 CLAUS, J. Pruning of fruit trees. (Hu) Kiskert 2:7. In Kerteszeti Szolesz. 15(7). Apr. 1966. 80 K474
- 66414 COCIU, V. New varieties of plums of early ripening. (Rum) Gradina, Via Livada 14(3):49-53. Mar.1965. 80 G75
- 66415 DENISEN, E. L., COTT, A. E., and PICKETT, B. S. Chieftain, a new apple for Mid-America. Iowa Farm Sci. 20(8):16-17. Feb.1966. 275.28 Io84
- 66416 FORD, K. E. Georgia commercial peach tree survey, 1965. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)242,15 p.,map. Apr.1966. 100 G293M
Number, varieties, age.
- 66417 FORESTER, E. D. Apple growing in the Auckland Province. Orchardist New Zeal. 39(3):95-97. Apr.1966. 80 Or19
- 66418 GALINDO, A. The harvesting of apples. (Sp) Cult. Mod. 48(11):412. Nov.1965. 15 C89
- 66419 HOFF, A. L. Air layering—a quick way to grow your own trees. Org. Gard. Farming 13(5):48-49. May 1966. 57.8 Or32
Fruit trees.
- 66420 HOLLAND, D. A., and GREENHAM, D. W. P. The minimization of variability in experiments on apples planted on the site of a previous orchard. III. A final appraisal of the effect of cultural treatments associated with three and seven years' arable cropping. J. Hort. Sci. 41(2):115-136. Apr.1966. 80 J825
- 66421 JORGENSEN, S. J. Study trip to France. (Da) Erhvervsfrugtavlere 32(11):433-437. (Cont.) Nov.1,1965. 80 Er3
Apple culture in France.
- 66422 JUSCAFRESA, B. Pear culture in Spain. (Sp) Cult. Mod. 49(2):70-71. Feb.1966. 15 C89
- 66423 KALAMANDY-PAP, F. Crown shaping of peach trees. (Hu) Kiskert 2:8. In Kerteszeti Szolesz. 15(7). Apr.1966. 80 K474
- 66424 KULCSAR, MRS. D., and PROBOCSKAI, E. Rooting of apricot cuttings. (Hu) Kerteszeti Szolesz. 15(7):7. Apr.1966. 80 K474
- 66425 MAZZINI, C. Pruning of "palmetta" trained pears. (It) Agr. Ferrarese 69(5):91-106. May 31,1965. 16 Ag87
- 66426 MIHALYFFY, J. Thinning out of apple branches. (Hu) Kerteszeti Szolesz. 15(7):8-9. Apr. 1966. 80 K474
- 66427 MITTELSTADT, H. Contributions to research in apple breeding. VIII. Investigations of hardiness in varieties, rootstocks, and breeding material. (Ge) Zuchter 35(7):311-327. Rel. 1965. 442.8 Z8
English summary.
- 66428 NILSSON, F. Fruit and berry culture. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:14-16. 1965. 11 Up62A
- 66429 PEJKIC, B. An interesting mutant of Germersdorf cherry variety; preliminary report. (Se) Arh. Poljoprivredne Nauk. 18(62):147-151. 1965. 21.5 Y9
English summary.
- 66430 PETERSEN, V. Planting of orchard. (Da) Erhvervsfrugtavlere 32(12):478-481. Dec.1, 1965. 80 Er3
- 66431 PREDESCU, G., and MIHACEA, I. Study of cherry varieties in the fruit area of Caransebes. (Rum) Gradina, Via Livada 15(1):39-45. Jan.1966. 80 G75
- 66432 PRICA, D., and CATAVELA, S. Utilization of domestic plums as rootstocks for drafting apricots. (Rum) Gradina, Via Livada 14(3):43-46. Mar.1965. 80 G75
Prunus cerasifera.
- 66433 PRODUCTION and exports of Spanish apples and pears. Int. Fruit World 25(1):166,169,171-172,175-176,179. Spring 1966. 286.83 F9426
Text also in German and Spanish.
- 66434 RADNOCZI, F. Fruit-bearing fence without support. (Hu) Kiskert 2:6. In Kerteszeti Szolesz. 15(7). Apr.1966. 80 K474
Planting method with apples.
- 66435 RICHARDSON, B. D. Raising apple seedling rootstock. Tasmanian J. Agr. 37(1):15-19. Feb.1966. 23 T182T
- 66436 ROLLINS, H. A. Apples on a "spindle bush." Org. Gard. Farming 13(5):84,86-87. May 1966. 57.8 Or32
- 66437 SEKSE, T. Many fruit trees are planted in the fields. (No) Norsk Landbruk 14(1):14-15. Jan.1966. 11 N8122
- 66438 STANCEVIC, A. Plum breeding in Bulgaria. (Se) Savremena Poljoprivreda 13(5):486-489. May 1965. 21 P75
- 66439 STANNARD, M. C. Morocco, a promising apricot for canning. Agr. Gaz. New S. Wales 77(1):7-10. Jan.1966. 23 N472
- 66440 SULLIVAN, D. T. The effect of time of individual flowers on the size, shape and maturity of apple fruits. Amer. Soc. Hort. Sci. Proc. 87:41-46. Ref. Dec.1965. 81 So12
Culture, in New Mexico; includes varieties.
- 66441 VELKOV, V. Praskova [Peaches]. Plovdiv, 1965. 133 p. Ref. SB371.V4

Fruits—Small

- 66442 AUDIBERT, M. New possible methods in viticulture. (Fr) Agriculture [Paris] 28(286):41-44. Feb.1966. 14 Ag823
In France.
- 66443 BANITA, P., and BANITA, V. M. New methods of grafting grapes. (Rum) Gradina, Via Livada 14(2):37-44. Feb.1965. 80 G75
- 66444 BOWEN, H. H. Breeding studies of Verticillium wilt resistance in *X Fragaria ananassa* Duch. Diss. Abs. 26(10):5664. Apr.1966. 241.8 M58
- 66445 BRIDLEY, S. F., TAYLOR, R. J., and WEBBER, R. T. J. The effects of irrigation and rolling on nocturnal air temperatures in vineyards. Agr. Meteorol. 2(6):373-383. Dec.1965. 340.8 Ag8
In connection with use of excess irrigation to protect against spring frosts.
- 66446 CONSTANTINESCU, G., and others. Results of the culture of grapes trained on trellises in conditions of forest steppes. (Rum) Gradina, Via Livada 14(2):31-37. Feb.1965. 80 G75
M. Georgescu, E. Severin, and N. Pitigoi, joint authors.
- 66447 DIOFASI, L. Modern methods in grape planting. (Hu) Kiskert 2:2-3. In Kerteszeti Szolesz. 15(7). Apr.1966. 80 K474
- 66448 FEKETE, Z., and HORN, E. Study of the level cultivation of grape in Budaors—Kamaraerdo. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):161-170. Ref. 1965. 80 B85
English summary.
- 66449 GONCALVES, C. DA C. Talk on viticulture and wine manufacture. (Por) Granja [Lisboa] 24(3/4):89-96. July/Dec.1965. 15.5 G76
Chiefly grape breeding and propagation.
- 66450 GUARIENTO, M. Experiments with plastic films in strawberry culture. (It) Agricoltura 15(3):46-57. Mar.1966. 16 Ag8226
- 66451 ILIEV, I. Culture of black currants. (Bu) Priroda [Sofia] 13(6):96-101. Nov./Dec.1964. 410 P934
- 66452 KASIMATIS, A. N. Yield and maturity of Thompson seedless grapes and raisins. Dried Fruit Indus. Res. Adv. Comm. Proc., 6th Annu. Res. Conf.:27-29. 1965. 389.9 D832
In California.
- 66453 LALATTA, F. Covering of vines for table grapes with polyethylene foil. (It) Agricoltura 15(3):35-39. Mar.1966. 16 Ag8226
- 66454 LONGHENA, G. Prospects for strawberry culture in the Province. (It) Agr. Spezia 13(7):133-135. July 1965. 16 Ag8229
- 66455 MAZZINI, C. Strawberry culture in the 1965 season. (It) Agr. Ferrarese 69(7):135-146. July 31,1965. 16 Ag87
Includes varieties.
- 66456 MAZZINI, C. Strawberry harvesting and marketing technique. (It) Agr. Ferrarese 69(3):41-46. Mar.31,1965. 16 Ag87

- 66457 MIGEND, D. Examinations on sour cherry hybrids of various economical value. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):81-97. Ref. 1964, pub. 1965. 80 B85
English summary.
- 66458 MOSS, D. E., and GURSANSKY, J. A. Strawberry growing in south Australia. III. S. Australia J. Agr. 69(7):240-247. Feb. 1966. 23 So84
- 66459 MOSS, D. E., and GURSANSKY, J. A. Strawberry growing in South Australia. IV. S. Australia J. Agr. 69(8):294-299. Mar. 1966. 23 So84
- 66460 MURRAY, A. F. Griffith Viticultural Research Station. Agr. Gaz. New S. Wales 77(1):15-20. Jan. 1966. 23 N472
- 66461 MUSIL, S., and MENSİK, J. Vinarstvi [Grape culture and wine making]. Ed. 2. Praha, Statni Zemedelske Nakladatelstvi, 1966. 420 p. Ref. SB388.M8
- 66462 NIKOLIC, C. Results of the production of black currants in the Kopaonik area. (Se) Savremena Poljoprivreda 13(11):965-968. Nov. 1965. 21 P75
- 66463 OUGH, C. S., and ALLEY, C. J. An evaluation of some Cabernet varieties. Wines Vines 47(5):23-25. Ref. May 1966. 95.8 C122
- 66464 PANTIC, Z. A contribution to the study of buds of grapes. (Se) Savremena Poljoprivreda 13(10):841-850. Oct. 1965. 21 P75
French summary.
Pruning, propagation and yields.
- 66465 PODOLEANU, N., and STOICESCU, N. New aspects of the planting methods of grapes. (Rum) Gradina, Via Livada 15(1):20-26. Jan. 1966. 80 G75
Effects on yields.
- 66466 PUTZ, P. Tasks of nursery care of grape and last year's experiences. (Hu) Kerteszeti Szolesz. 15(7):10. Apr. 1966. 80 K474
- 66467 ROBERTS, C. R., and CAMPBELL, R. W. Strawberries in your garden. Kans. State Univ. Ext. C-327, 8 p. Mar. 1966. 275.29 K13Ex
Culture.
- 66468 SCHALLER, G. Results of grape root stock breeding with Vitis cinerea Arnold. (Ge) Zuchter 35(6):250-255. Ref. 1965. 442.8 Z8
East Germany.
- 66469 SUPICA, M. Study of biological properties of the white wine grape variety Furmint. (Se) Savremena Poljoprivreda 13(12):1011-1016. Dec. 1965. 21 P75
German summary.
Chiefly effect of breeding on yields.
- 66470 TUDOSIE, A. D. Observations on the methods of harvesting and preparation of cuttings for the propagation of domestic varieties of grapes. (Rum) Gradina, Via Livada 14(3):29-33. Mar. 1965. 80 G75
- 66471 VARSEVELD, G. W., and BEAVERS, D. V. Preserving characteristics of Hood, Marshall, and Northwest strawberry varieties. Oreg. Agr. Exp. Sta. Spec. Rep. 213, 14 p. Apr. 1966. 100 Or3M
- 66472 WEINGARTNER, H. Experiences and directions in fruit culture. (Ge) Lebendige Erde 3:119. (Cont.) May/June 1965. 18 L49
Simultaneous harvesting and pruning of currants.
- 66473 ZIROJEVIC, D., and ILIC, S. Possibilities of obtaining supplemental yields from grapes damaged by the cold. (Se) Savremena Poljoprivreda 13(10):829-840. Ref. Oct. 1965. 21 P75
French summary.
Through pruning to foster growth of remaining buds.
- 66475 KESTER, D. E. Size, shape, and weight relationships in almond kernels. Amer. Soc. Hort. Sci. Proc. 87:204-213. Dec. 1965. 81 So12
In California.
- 66476 MARCAZZAN, C. Prospects and research on filbert culture in Trento. (It) Terra Trentina 11(9):327-333. Sept. 1965. 16 T277
- 66477 PRINS, T. The macadamia nut [Macadamia integrifolia]. Ghana Farmer 8(3):88-91, 94. Aug. 1964. 24 G564
Chiefly culture.
- 66478 RAO, M. V. Betel vine cultivation in Cuddapah. Indian Farming 15(5):20-21, 29-30. Aug. 1965. 22 In283
- 66479 SRIRAMAN, K. Cashew cultivation in Madras State. Madras Agr. J. 52(9):398-404. Sept. 1965. 22 M262
- 66480 ZDRAVKOV, K. Hazelnut culture in Georgian and Azerbaijan SSR. (Bu) Gorsko Stopanstvo 22(3):15-18. Mar. 1966. 99.8 G682

Shade Trees and Ornamental Plants

- 66481 ALLEN, R. M., and KNOWLES, H. W. UA [University of Arizona] rose garden on the Yuma Mesa. Progr. Agr. Ariz. 18(1):14-15. Jan./Feb. 1966. 6 P9452
Rose culture.
- 66482 ANGELIEV, V. Dekorativno gradinarstvo [Gardening with ornamental plants]. Ed. 2, rev. Plovdiv, Izdatel'stvo Khristo G. Danov, 1965. 295 p. Ref. SB472.A5
- 66483 ARBEGAST, M., LAURIE, M., and MARTIN, R. San Francisco—guide to the landscape architecture of the Bay Region. Landscape Architect. 56(3):195-206, map. Apr. 1966. 80 L23
- 66484 BAGSHAW, F. A. Geranium [Pelargonium hortorum] culture. Agr. Gaz. New S. Wales 77(2):122-124. Feb. 1966. 23 N472
- 66485 BARKER, P. A., BAKER, G. A., and STEPHENS, R. V. First-year performance of Schinus polygamus in the landscape tree evaluation program of California. Amer. Soc. Hort. Sci. Proc. 87:551-556. Dec. 1965. 81 So12
- 66486 BARNARD, R. C. An introduction to some garden eucalypts. I. Roy. Hort. Soc. J. 91(5):209-216. (Cont.) May 1966. 84 L84J
Culture.
- 66487 BEMIS, W. P., and FOLKNER, J. S. Shall we domesticate our native gourds? Progr. Agr. Ariz. 18(1):3-4. Jan./Feb. 1966. 6 P9452
As ornamentals.
- 66488 BRICKELL, C. D. Notes from Wisley. Roy. Hort. Soc. J. 91(5):191-193. May 1966. 84 L84J
Varieties of different ornamental plants.
- 66489 BRUNDELL, E. Climbing plants and trellis plants. (Sw) Norrbottens Lantmannabl. 7:135-136. Oct./Nov. 1965. 11 N792
Culture.
- 66490 BUCHTA, V. Okrasne rastliny v byte a na pracovisku [Ornamental plants for house and working place]. Ed. 2, rev. Bratislava, [Praca], 1965. 185 p. SB419.B8
Culture.
- 66491 CARBONNEAU, M. C. Flowering annuals for sun and shade. Ill. Univ. Ext. Circ. 930, 16 p. Mar. 1966. 275.29 IL62C
Culture.
- 66492 CARPENTER, W. J., and SHACKELFORD, T. B. Garden Chrysanthemums in Kansas. Kans. Agr. Exp. Sta. Bull. 485, 46 p. Apr. 1966. 100 K13S
Chiefly culture and varieties.
- 66493 COBILAS, B. Aloe, a valuable ornamental plant. (Rum) Gradina, Via Livada 14(3):63-66. Mar. 1965. 80 G75
Includes culture and varieties.
- 66494 COLEMAN, M. J., and LINDSTROM, R. S. The care and handling of lilies [Lilium]. Mich. State Univ. Ext. Bull. E 510, 6 p.-folder. Mar. 1966. 275.29 M58B
- 66495 CONOVER, C. A., and SHEEHAN, T. J. Anemone [coronaria] flower production in Florida. Fla. Univ. Ext. Circ. 293, 3 p. Mar. 1966. 275.29 F66C

Nuts

- 66474 EKREMENT, E. A. Cashew as an important cash crop. Ghana Farmer 9(2):54-57. May 1965. 24 G564
Culture.

- 66496 COX, J. T. Ornamental evergreens for Michigan. Mich. State Univ. Ext. Bull. 426, 17 p., map. Mar. 1966. 275.29 M58B Culture.
- 66497 CRAN, H. J. The tree trimming schedule and crew appraisal. Int. Shade Tree Conf. Proc., 41st Conf.:156-163. 1965. 99.9 N218
- 66498 CSOTI, L. Green belt problems of water resorts. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):275-288. Ref. 1964, pub. 1965. 80 B85 English summary.
- 66499 DE VERTEUIL, D. *Mucuna bennettii*. Roy. Hort. Soc. J. 91(5):216-217. May 1966. 84 L84J Culture and varieties, in Tobago.
- 66500 DODOPOULOS, S. H. Crocus; a culture worthy of greater attention. (Gre) Delt. Agrotikes Trapezes 146:37-39. Sept./Oct. 1965. 21.7 D38
- 66501 DOMOKOS, J. Mutability of *Ruscus hypoglossum* L. and *R. aculeatus* L. and their utilization in our country. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):201-207. 1965. 80 B85 English summary.
- 66502 EDISSEN, H. Lilies. (No) Norsk Hagetid. 82 (5):107-109. May 1966. 80 N81 Varieties and culture.
- 66503 FRIS, G. Plants for the greenhouse. (Du) Orchideeen (n.s.):27(5):105-109. Oct. 1965. 80 Or182 Orchid varieties.
- 66504 GALLAGHER, J. T. Greenhouse Nerines. Roy. Hort. Soc. J. 91(5):205-209. May 1966. 84 L84J
- 66505 GARRARD, J. Growing orchids for pleasure. New York, Barnes, 1966. 302 p. SB409.G3
- 66506 GUALBA, C. Flowerpots of pressed earth. (Sp) Cult. Mod. 49(4):149-150. Apr. 1966. 15 C89
- 66507 HALCROW, J. G. Grass variety trials. Sports Turf Res. Inst. J. 41:40-47. 1965. 60.19 B772
- 66508 HALTON, D. F. Golf course management in Australia. Sports Turf Res. Inst. J. 41:25-31. 1965. 60.19 B772
- 66509 HARP, H. F. Peonies for the prairie garden. Manitoba Dep. Agr. Conserv. Publ. 420, 4 p. May 1965. 275.29 M313
- 66510 HARRIS, J. H. Keep North Carolina beautiful. N. C. Univ. Ext. Circ. 470, 16 p. Apr. 1966. 275.29 N811
- 66511 HATCHER, O. K. Scope of shade tree care in Region 5 of the International Shade Tree Conference. Int. Shade Tree Conf. Proc., 41st Conf.:114-119. 1965. 99.9 N218 Middle Western States.
- 66512 HAYDEN, J. L. Financing a shade tree program. Int. Shade Tree Conf. Proc., 41st Conf.:108-114. 1965. 99.9 N218
- 66513 HOLST, C. The Minneapolis Park Department. Int. Shade Tree Conf. Proc., 41st Conf.:126-129. 1965. 99.9 N218 Care of trees.
- 66514 HUTH, K., and OTTO, A. Spezielle Topfpflanzen [Special potted plants]. Ed. 3, completely rev. Gart. Berufspraxis 2, 103 p. 1965. 80 G1945 Culture of ornamentals in nurseries in Germany.
- 66515 INTERNATIONAL SHADE TREE CONFERENCE, 41, WASHINGTON, D.C., 1965. Proceedings. Wooster, Ohio, 1965. 246 p. 99.9 N218 Includes the thirty-second meeting of the Western Chapter.
- 66516 KARASEK, K. Gajenje ruza i ukrasnog siblija [Rose and ornamental shrub culture]. Beograd, Zadruza Knjiga, 1966. 96 p. Ref. SB411.K3
- 66517 KILNER, R. B. How they keep things moving at Monrovia. Amer. Nurseryman 123(11):12-14. June 1, 1966. 80 Am371 Nursery in Monrovia, California.
- 66518 KOLAGA, W. A. All about rock gardens and plants. Garden City, N. Y., Doubleday, 1966. 385 p. SB459.K6
- 66519 KRUK, C. New varieties of annual summer flowers for the private garden. (Du) Zaaabbelangen 19(19):479, 481. Oct. 15, 1965. 61.8 Z1
- 66520 KRUK, C. What the breeder can tell you about. I. (Du) Zaaabbelangen 20(3):50-52. Feb. 15, 1966. 61.8 Z1 House plant culture.
- 66521 KRUK, C. What the breeder can tell us about. IV. (Du) Zaaabbelangen 20(6):112-113. Mar. 31, 1966. 61.8 Z1 Varieties and culture of ornamental plants.
- 66522 KUZ'MICHEV, I. E. Landscape gardening in cities by industrial methods. (Rus) Les. Khoz. 11:45-48. Nov. 1965. 99.8 L5622
- 66523 LEWIS, C. E. Tress and shrub-like trees for city streets, malls, and other public areas. Int. Shade Tree Conf. Proc., 41st Conf.:177-195. 1965. 99.9 N218 Planting.
- 66524 LUBAN, E. Varieties of magnolia suitable for parks and greenbelts. (Rum) Gradina, Via Livada 14(2):72-74. Feb. 1965. 80 G75
- 66525 LUNCA, L. Improvement of the quality of Cineraria flowers by sexual hybridization. (Rum) Gradina, Via Livada 15(1):46-50. Jan. 1966. 80 G75
- 66526 LOVKVIST, B. Recent methods for the selection of ornamentals. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:40-43. 1965. 11 Up62A Breeding.
- 66527 LOWE, J. A. Staffing a municipal tree program. Int. Shade Tree Conf. Proc., 41st Conf.:129-132. 1965. 99.9 N218 In the District of Columbia.
- 66528 MAYNE, L. S. Education and a licensing law. Int. Shade Tree Conf. Proc., 41st Conf.:234-239. 1965. 99.9 N218 Landscape architecture.
- 66529 MCDONALD, E. The complete book of gardening under lights. Garden City, Doubleday, 1965. 215 p. Ref. SB126.M3
- 66530 MICHA, F. R., VAYDIK, F., and SWITZER, D. C. Planting and replacement of trees in the modern city. Int. Shade Tree Conf. Proc., 41st Conf.:27-42. 1965. 99.9 N218 Includes discussion.
- 66531 MILLER, L., and others. Care of ornamental plants. Clemson Univ. Ext. Circ. 430, rev., 26 p. Apr. 1966. 275.29 So8E J. P. Fulmer, W. C. Nettles, and F. H. Smith, joint authors. Culture.
- 66532 MILLIKAN, D. F. Nut trees for the landscape; hazels and filberts. Amer. Nurseryman 123 (11):10, 38. June 1, 1966. 80 Am371 *Corylus avellana*.
- 66533 MILLIKAN, D. F. Nut trees for the landscape; the pecan. Amer. Nurseryman 123(10):9, 36. May 15, 1966. 80 Am371 As ornamentals.
- 66534 MINCHEV, N. Vegetative propagation of *Lilium jankae* Kern. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14:201-203. 1965. 451 B87
- 66535 MINNESOTA. AGRICULTURAL EXPERIMENT STATION. University of Minnesota Landscape Arboretum. Minn. Agr. Exp. Sta. Misc. Rep. 69, 36 p., map. Feb. 1966. 100 M66
- 66536 MOWER, R. G. Shrubs for landscape plantings in New York State. Cornell Univ. Ext. Bull. 1111, 15 p. Apr. 1966. 275.29 N48E
- 66537 MOWER, R. G., ZIPPEL, C. B., and HUCKINS, C. A. Evaluating woody plants for landscape planting. Cornell Plant. 21(4):60-62. Winter 1965/66. 409.6 C812
- 66538 NELSON, W. R., and PORTER, J. A. Planning for a better community landscape. Ill. Univ. Ext. Circ. 931, 15 p. Mar. 1966. 275.29 IL62C
- 66539 NICOLINI, G. For the professional and the amateur; floral index. 2. Forsythia. (It) G. Agr. 76(19):213-214. May 8, 1966. 16 It1G
- 66540 NICOLINI, G. The Zinnia, popular flower. (It) Ital. Agr. 103(4):365-382. Apr. 1966. 16 It1 Varieties and culture.

- 66541 NIGGEMANN, J. Experiences with floating flower islands. (Ge) Torfnachrichten 16 (11/12):22-23. Nov./Dec.1965. 57.8 T632
- 66542 NILSSON, A. On the Oriental Thuja, Thuja (Biota or Platycladus) orientalis L. in Skae. (Sw) Weibulls Allehanda 25:30-33. 1965. 80 W42
- 66543 OATES, J. T. Tree maintenance—an operational program. Int. Shade Tree Conf. Proc., 41st Conf.:54-60. 1965. 99.9 N218
Virginia.
Includes discussion.
- 66544 ODENWALD, N. Daylilies [Hemerocallis]. La. State Univ. Ext. Ext. Publ. 1427, 8 p. Apr. 1965. 275.29 L93Ep
Culture.
- 66545 OLSEN, O. Plants producing live babies. (Da) Gartneren 38(9):11-12. May 1966. 80 G1992
Propagation of Bryophyllum and Crassula varieties.
- 66546 OREGON ASSOCIATION OF NURSERYMEN. Directory and buyer's guide for 1966. Portland, 1966. 46 p. SB113.A107
Ornamentals and fruit.
- 66547 PANEL on the farm landscape. White House Conf. Natur. Beauty. Proc. 1965:281-314, 654-655. QH77.U5W48
Chairman: E. H. Graham; members: K. Belser, F. F. Darling, M. S. Monk, A. J. W. Schefey, P. B. Sears, R. Wenkam, and D. A. Williams.
- 66548 PAUMIER, C. Conservation of our urbanized chaos. Int. Shade Tree Conf. Proc., 41st Conf.: 15-23. 1965. 99.9 N218
Chiefly on landscape architecture.
- 66549 PEAVY, A. First steps in arranging flowers. Auburn Univ. Ext. Circ. HE-25, 4 p. Nov. 1964. 275.29 AL14
- 66550 PETCH, A. M. Use and maintenance of trees in town planning. Quart. J. Forest. 60(2):141-144. Apr. 1966. 99.8 Q2
- 66551 POTTER, C. H. Annuals and perennials. Amer. Nurseryman 123(11):9, 73-76. June 1, 1966. 80 Am371
Cosmos, Hosta and Sempervivum; chiefly their culture and varieties.
- 66552 POTTER, C. H. Greenhouse. XXIV. Foliage plants for extra profits. Florists' Rev. 138 (3573):74-75, 87-88. May 19, 1966. 80 W41
Ornamentals.
- 66553 POTTER, C. H. Greenhouse: The prickly and the smooth. Florists' Rev. 138(3574):68-69. May 26, 1966. 80 W41
Cacti and succulents; their culture.
- 66554 PRAKTICHESKO rukovodstvo po tsvetarstvo [Practical manual for ornamental plant growing]. Plovdiv, Khristo G. Danov, 1965. 358 p. Ref. SB406.P7
- 66555 PREDA, M. Advantages of the culture of flowers in dismountable greenhouses. (Rum) Gradina, Via Livada 14(1):57-62. Jan. 1965. 80 G75
- 66556 PREDA, M. The culture of forced hyacinths and tulips. (Rum) Gradina, Via Livada 14(3): 57-63. Mar. 1965. 80 G75
- 66557 PRICE, M. The Iris book. Princeton, Van Nostrand, 1966. 204 p. Ref. SB413.I8P7
- 66558 PRŮCHA, J., and others. Letnický a dvoulétky [Annual and biennial ornamental plants]. Praha, Státní Zemědělské Nakladatelství, 1966. 265 p. Ref. SB422.P7
V. Hedrlin, H. Kasparova, V. Mokra, and A. Pruchova, joint authors.
- 66559 RAE, W. A. Trees for city streets, malls and other public areas. Int. Shade Tree Conf. Proc., 41st Conf.:185-189. 1965. 99.9 N218
Planting and care.
- 66560 REISCH, K. W. Education for municipal arboriculture. Int. Shade Tree Conf. Proc., 41st Conf.:120-125. 1965. 99.9 N218
- 66561 REX, E. G. The encouragement of municipal arboriculture. Int. Shade Tree Conf. Proc., 41st Conf.:224-231. 1965. 99.9 N218
Includes discussion.
- 66562 RICHTER, W. Zimmerpflanzen von heute und morgen: Bromeliaceen [House plants of today and tomorrow: the Bromeliaceae]. Ed. 3. Radebeul, Neumann, 1965. 380 p. QK495.B76R5
- 66563 ROCKWELL, F. F., and GRAYSON, E. C. The Rockwells' complete book of roses. Rev. Garden City, Doubleday, 1966. 332 p. Ref. SB411.R6
- 66564 ROSE, C. Financing a municipal tree program. Int. Shade Tree Conf. Proc., 41st Conf.:105-107. 1965. 99.9 N218
- 66565 SCHENK, P. K. Research on behalf of the culture and sale of flower bulbs. (Du) Neth. Dir. Tuinbouw. Mededel. 28(10):479-489. Oct. 1965. 86 N384
English summary, p. 533.
- 66566 SCHONEMANN, H. Orchids indoors: Lycasta cruenta Ldl. (Du) Orchideen (n.s.) 27(5):103-104. Oct. 1965. 80 Or182
Culture.
- 66567 SCHUTZ, E. Fast growing Kalanchoe-hybrids; new Swiss experiences. (Sw) Weibulls Allehanda 25:20-21. 1965. 80 W42
- 66568 SCHUTZ, E. Variety trials with Senecio hybrids, Cineraria, at Weibullsholm 1964/65. (Sw) Weibulls Allehanda 25:21-29. 1965. 80 W42
- 66569 SCOFIELD, R. Go out on a limb—and root it. Org. Gard. Farming 13(5):45-47. May 1966. 57.8 Or32
Propagation of trees and shrubs by branch layering.
- 66570 SHEEHAN, T. J., MILLER, H. N., and KERR, S. H. Amaryllis. Fla. Univ. Ext. Circ. 171B, 8 p. Mar. 1966. 275.29 F66C
Culture of Amaryllis vittatum, A belladonna, and A. reginae, and their hybrids.
- 66571 SIMON, V. E. What's best for tuberous begonias? Org. Gard. Farming 13(5):54-55. May 1966. 57.8 Or32
- 66572 SMEAL, P. L., and MAROUSKY, F. J. Annual flowers—1965 variety trials. Va. Agr. Exp. Sta. Res. Rep. 107, 10 p. Apr. 1966. 100 V81R
- 66573 SYDNEY. ROYAL BOTANIC GARDENS. Decorative plants in pots and tubs; outdoors, indoors, in bushhouses, on verandahs, terraces. Ed. 5. Sydney, Blight, 1965. 28 p. SB419.R6
- 66574 THOMAS, G. S. Climbing roses, old and new. New York, St. Martin's Press, 1966. 203 p. Ref. SB411.T5
- 66575 THOMPSON, M. E. The driftwood book. Ed. 2. Princeton, Van Nostrand, 1966. 248 p. SB449.3.D8T5
Includes flower arrangement.
- 66576 THORNHILL, H. B. Ornamental horticulture. Auburn Univ. Ext. Suggestions Annu. County Ext. Suggestions Annu. County Ext. Program 1966:37. 275.29 AL1Su
Extension programs.
- 66577 TILFORD, P. E. Tree maintenance by the small city. Int. Shade Tree Conf. Proc., 41st Conf.:42-48. 1965. 99.9 N218
Street and shade trees.
- 66578 TURNER, H. E. Maintenance of municipal shade trees; an operational program. Int. Shade Tree Conf. Proc., 41st Conf.:48-54. 1965. 99.9 N218
New Jersey.
- 66579 URDA ALGUACIL, M. A. Cultural characteristics of the carnation on the French Blue Coast and the Italian Riviera. (Sp) Spain. Inst. Nac. Invest. Agron. Conf. 1964/65:5-19. 15 Sp18C
U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Growing Iris in the home garden. U. S. D. A. Home Gard. Bull. 66, rev., 8 p. Jan. 1966. 1 Ag84Hg
Entomology Research Division, cooperating.
- 66580 U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Spring-flowering bulbs. U. S. D. A. Leaflet. 439, slightly rev., 8 p. Feb. 1966. 1 Ag84L
Culture.
- 66581 VOGTS, M. M. Our own Proteas. Farming S. Afr. 42(1):61-66. Apr. 1966. 24 So842
Culture.

- 66583 WALLER, T. M., and HARRISS, L. M. F. Co-operative enterprises—activities of civic groups organizations and individuals in beautification programs. Int. Shade Tree Conf. Proc., 41st Conf.:195-207. 1965. 99.9 N218
- 66584 WEISMANTEL, W. How the landscape affects neighborhood status. Landscape Architect. 56 (3):190-194, map. Apr. 1966. 80 L23
In Boston, Massachusetts.
- 66585 WEISSBERGER, K., ZVOLSKY, Z., and LIETAVOVA, M. Kvetiny okolo nas [Flowers around us]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatary, 1965. 354 p. Ref. (Rastlinna Vyroba. Kniznica Zahradkara) SB406.W4
Culture and varieties.
- 66586 WELLENSIEK, S. J. Note on hybrid vigour in Cyclamen. Euphytica 14(3):237-238. Nov. 1965. 450 Eu6
- 66587 WHITE HOUSE CONFERENCE ON NATURAL BEAUTY, WASHINGTON, D. C., 1965. Beauty for America; proceedings. Washington, U. S. Government Printing Office, 1965. 782 p. QH77.U5W48
- 66588 WOLTERSON, J. F. It is more the way you look at it. (Du) Ned. Bosbouw Tijdschr. 37(10):348-351. Oct. 1965. 99.8 N28
Chiefly roadside planting of trees.
- 66589 WRIGHT, D. G. Activities of the American Institute of Park Executives relating to modern municipal beautification. Int. Shade Tree Conf. Proc., 41st Conf.:207-216. 1965. 99.9 N218
Includes street and shade tree planting.
- 66590 ZACHARIAH, J. D. Problems and solutions in landscape design. I. Basic principles of design. Amer. Nurseryman 123(10):7,54-55. May 15, 1966. 80 Am371
- 66591 ZACHARIAH, J. D. Problems and solutions in landscape design. II. Plant composition. Amer. Nurseryman 123(11):11,80-81. June 1, 1966. 80 Am371
- Vegetable and Truck Crops (Including Potatoes)**
- 66592 AKESSON, H. Tomato trials at Weibullsholm 1965. (Sw) Weibulls Allehanda 25:4-9. 1965. 80 W42
- 66593 AXELSSON, F. Irene approved W:s original; a new lettuce variety for late fall and winter culture. (Sw) Weibulls Allehanda 25:1-4. 1965. 80 W42
- 66594 AXELSSON, F. Regulus imperial approved W:s original; a new carrot variety. (Sw) Weibulls Allehanda 25:11-14. 1965. 80 W42
- 66595 BAGI, J. Problems of our potato production. (Hu) Magyar Mezogazdasag 21(15):9. Apr. 13, 1966. 19 M27
Production records.
- 66596 BAGI, J. Some problems of potato production in Hungary. (Hu) Gazdalkodas 10(2):71-78. Apr. 1966. 281.8 G25
Chiefly on culture.
- 66597 BALASA, M., VOICAN, V., and FAUR, G. The effect of various methods of thinning on the yields of early varieties of tomatoes. (Rum) Gradina, Via Livada 14(3):7-18. Mar. 1965. 80 G75
- 66598 BANGA, O. Increasing need for top varieties in vegetable culture. (Du) Zaadbelangen 20(3):47-48. Feb. 15, 1966. 61.8 Z1
- 66599 BARADA, L. More care in seed potato culture. (Hu) Magyar Mezogazdasag 21(20):8-9. May 18, 1966. 19 M27
- 66600 BARBER, J. M. Southern pea culture. Ga. Univ. Ext. Circ. 485, rev., 6 p.-folder. Mar. 1966. 275.29 G29C
- 66601 BETZEMA, J., and COMMANDEUR, C. Selection of brussels sprouts varieties. (Du) Groenten Fruit 21(22, i.e. 32):1452-1453. Feb. 23, 1966. 80 G89
- 66602 BETZEMA, J., and COMMANDEUR, J. C. Planting distance for red storage cabbage. (Du) Groenten Fruit 21(40):1811. Apr. 20, 1966. 80 G89
- 66603 BEVERIDGE, J. L. The effects of delayed planting and soil consolidation on potato yields. J. Agr. Sci. [London] 66(2):271-276. Apr. 1966. 10 J822
- 66604 BIELKA, R. Feldgemüsebau [Field culture of vegetables]. Ed. 3, rev. Berlin, Deutscher Landwirtschaftsverlag, 1965. 458 p. SB323.B5
Bibliography, p. 442-452.
East Germany.
- 66605 BLANKHOLM, E., GROVEN, I., and THUESEN, A. Variety trials. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:123-136. 1965. 33.11 AL7
Chiefly vegetables and berries.
- 66606 BLEASDALE, J. K. A. The effects of plant spacing on the yield of bulb onions (*Allium cepa* L.) grown from seed. J. Hort. Sci. 41(2):145-153. Apr. 1966. 80 J825
- 66607 BORKA, J., and BECKER, V. Planting seed of vegetable. (Hu) Kerteszlet Szolesz. 15(7):16-17. Apr. 1966. 80 K474
- 66608 BORKA, M. New methods in vegetable production. (Hu) Kerteszlet Szolesz. 15(8):3-4. Apr. 1966. 80 K474
- 66609 BOSWELL, V. R. Growing eggplant [*Solanum melongena*]. U. S. D. A. Leaflet. 351, 4 p. Apr. 1966. 1 Ag84L
- 66610 BOUMA, W. F. A simple technique for hybridization of potatoes. (Du) Zaadbelangen 20(6):111. Mar. 31, 1966. 61.8 Z1
- 66611 BRANCHU, B. We must realize the benefit of precision planting of industrial beets. (Fr) Agriculture [Paris] 29(286):64-66. Feb. 1966. 14 Ag823
- 66612 BREMNER, P. M., TAHA, M. A., and RADLEY, R. W. Studies in potato agronomy. I-II. J. Agr. Sci. [London] 66(2):241-262. Ref. Apr. 1966. 10 J822
I, The effects of variety, seed size and spacing on growth, development and yield, by P. M. Bremner and M. A. Taha; II, The effects of variety and time of planting on growth, development and yield, by P. M. Bremner and R. W. Radley.
- 66613 BUSHAND, T. French beans. (Du) Groenten Fruit 21(41):1851. Apr. 27, 1966. 80 G89
Selection of varieties for culture.
- 66614 BURGHAUSEN, R. First experiences with the double row method in potato culture. (Ge) Feldwirtschaft 7(3):131-133. Mar. 1966. 18 W763
For mechanization.
- 66615 CAESAR, K., and GANESAN, S. Problems of spacing in potato cultivation. Trop. Agr. [Peradeniya] 120(2):71-86. Apr./June 1964. 26 T751
Ceylon.
- 66616 CEYLON, DEPT. OF AGRICULTURE. Cultivation of local vegetables. Colombo? 1965. 16 p. SB323.A5C4
Includes pest control.
- 66617 CHOUCAIR, K. Huertas y hortalizas [Gardens and vegetables]. Medellin, Editorial Bedout, 1965. 349 p. Ref. SB323.C5
- 66618 COLEMAN, B. P. Improvement of the sweet-potato by selection. (Sp) Tierra [Mexico] 20(8):625, 674. Aug. 1965. 8 T445
- 66619 CORNELL UNIVERSITY, STATE COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 vegetable production recommendations, by P. A. Minges, A. A. Muka, A. F. Sherf, and R. F. Sandsted. Ithaca, 1966. 35 p. 275.29 N48Ve
Published jointly with New York State Agricultural Experiment Station.
- 66620 DAM, N. Tay Bac grows its own vegetables. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 229:3-5. Mar. 29, 1966. (JPRS 34,795; TT 66-31234) 173 J663Trn
Translation from Nhan Dan, Feb. 15, 1966:2. Issued by CFSTI.
- 66621 DASS, N., and BATRA, P. C. Cowpea No. 10 excels in many ways. Indian Farming 15(2):4. May 1965. 22 In283

- 66622 DAVIS, G. N., and MEINERT, U. G. H. The effect of plant spacing and fruit pruning on the fruits of P.M.R. No. 45 cantaloupe. Amer. Soc. Hort. Sci. Proc. 87:299-302. Dec.1965. 81 So12
- 66623 DEL VALLE, C. G., and HARMON, S. A. Performance of yellow sweet corn varieties in south Georgia. Ga. Agr. Exp. Sta. Mimeogr. Ser. (n.s.)246,8 p. Jan.1966. 100 G293M
- 66624 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with cucumbers for preserving and pickling 1961-64. (Da) Tidsskr. Planteavl 69(4):579-582. 1966. 11 T439
- 66625 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with low wax beans, 1962-64. (Da) Tidsskr. Planteavl 69(4):575-578. 1966. 11 T439
- 66626 THE DEVELOPMENT of potato culture in Western Europe. Int. Fruit World 25(1):207-208,211-212,215-216,219. Spring 1966. 286,83 F9426
Text also in German and French.
- 66627 DEVOS, J. Some practical points in connection with the planting of early cauliflower. (Fl) Tuinbouwberichten 29(9):376-378. Sept.1965. 80 T817
- 66629 DURAN, L., and others. Industrial quality of tomato varieties. IV. Yields and quality parameters of some varieties for canning. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):112-120. Ref. Jan./Mar.1965. 389,8 R324
P. Cunat, J. Morell, J. Flores, and J. Sanchez, joint authors.
English summary, p.91.
- 66629 DURAN, L., and ROIG, A. R. Study of the quality of some tomato varieties in connection with their industrialization. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:3-11. Ref. 1962, pub.1965. TP368.15
- 66630 ELLS, J. E. Prevention of stand losses in tomato due to soil crust formation. Amer. Soc. Hort. Sci. Proc. 87:433-437. Ref. Dec.1965. 81 So12
By addition of perlite.
- 66631 ELLS, J. E. Processing crops variety trial, 1965. Colo. Agr. Exp. Sta. Gen. Ser. 836,22 p. Apr.1966. 100 C71G
Published jointly with Colorado Agricultural Experiment Station.
Vegetables.
- 66632 ELLS, J. E. Variety trials of processing tomatoes, Colorado, 1965. Colo. Agr. Exp. Sta. Gen. Ser. GSP 827,24 p. 1965. 100 C71G
- 66633 FARKAS, J. Some problems in technique of growing seed carrots and seed production. (Hu) Kiserletugyi Kozlemenyek 58/C(1):161-177. Ref. 1965. 105,9 H89
English summary.
- 66634 GALL, H. Information on the technique of potato culture in Holland. (Ge) Feldwirtschaft 7(3):158. Mar.1966. 18 W763
- 66635 GALL, H., and others. Experiences in the culture of potatoes with 75 cm planting distance in Gross-Luswitz in 1965. (Ge) Feldwirtschaft 7(3):127-131. Mar.1966. 18 W763
H. J. Bohmig, E. Fechter, and W. Zehe, joint authors.
Includes labor and mechanization.
- 66636 GANESAN, S., and CAESAR, K. Testing of potato varieties suitable for Ceylon. Trop. Agr. [Peradeniya] 120(2):59-70. Apr./June 1964. 26 T751
- 66637 GECZI, L., and PAPP, K. New experiences with perlite. (Hu) Kerteszeti Szolesz. 15(7):18. Apr.1966. 80 K474
Vegetables culture chiefly.
- 66638 GLUSHCHENKO, I. E. Vegetative hybridization of eggplant and cabbage. 30 p. Ref. (TT 64-14432) Transl. 15341
By grafting.
Translation from Agrobiologiya 6(132):854-869. 1961.
Issued by CFSTI.
- 66639 GREAT BRITAIN. POTATO MARKETING BOARD. British atlas of potato varieties. London, 1965. loose-leaf. SB211.P8P6
Kept up to date by supplementary and revised sheets.
- 66640 GROENWEGEN, J. H. Thinning of tomatoes. (Du) Groenten Fruit 21(39):1775. Apr.13,1966. 80 G89
- 66641 GUSTAFSSON, N. Potato quality problems. 2. (Sw) Jord Skog 17(8):28-30. 1965. 58,8 M373
- 66642 HARPER, F. C. A new way to introduce two new crops. Amer. Veg. Grower 14(5):16-17, 20. May 1966. 80 C733
Lettuce and tomato varieties.
- 66643 HARRIS, R. E. Polyethylene covers and mulches for corn and bean production in northern regions. Amer. Soc. Hort. Sci. Proc. 87:288-294. Ref. Dec.1965. 81 So12
In Canada.
- 66644 HELM, R., and CAILLEUX, R. Industrial cultivation of a tropical Psalliotia in warm regions. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(1):59-63. Jan.3,1966. 505 P21
Psalliotia subedulis culture in the Central African Republic.
- 66645 HOGENBOOM, N. G. Problems in connection with the breeding of tomatoes resistant to cork root. (Du) Zaadbelangen 20(6):117-118. Mar.31,1966. 61,8 Z1
- 66646 HOLLAND, N. S. Gold Nugget squash, All-America Silver medal award winner. N. Dak. Farm Res. 24(3):12-14. Jan./Feb.1966. 100 N813B
- 66647 HONMA, S. Development and maintenance of uniformity in broccoli (Brassicae oleraceae var. italica). Amer. Soc. Hort. Sci. Proc. 87:295-298. Dec.1965. 81 So12
Breeding varieties.
- 66648 HONMA, S., and MANSOUR, N. S. Further studies on the propagation of cauliflower. Euphytica 14(3):283-284. Nov.1965. 450 Eu6
- 66649 HOOGHIEMSTRA, D. Practical hints for harvesting and storage of seed onions. (Fl) Tuinbouwberichten 29(10):418-419. Oct.1965. 80 T817
- 66650 HOOGSTRATEN, S. D. VAN. Mushroom culture in Taiwan. (Du) Champignoncultuur 9(8):230-213. Oct.1965. 80 C35
- 66651 INGRAM, J. M. Potatoes without inter-row cultivations. Agr. Northern Ireland 40(12):362-368. Apr.1966. 256,13 Ag82M
- 66652 IORDACHESCU, O., and DRAGUT, G. The culture of cucumbers under polyethylene covers. (Rum) Gradina, Via Livada 15(1):16-19. Jan. 1966. 80 G75
- 66653 JENSEN, J. Use of plastic cover for seeding and planting. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:137-140. 1965. 33,11 AL7
Vegetables and strawberries.
- 66654 JONES, W. R. Small scale mushroom growing. Agr. Northern Ireland 40(12):384-386. Apr.1966. 256,13 Ag82M
- 66655 JUSCAFRESA, B. Melon culture. (Sp) Cult. Mod. 48(6):213-214. June 1965. 15 C89
- 66656 KEMMERS, W. H., and JACOBS, J. M. Tomato growing in Morocco. (Du) Neth. Dir. Tuinbouw. Mededel. 28(10):504-514. Oct.1965. 86 N384
English summary, p.533.
- 66657 KNAVEL, D. E., and DAVIS, H. Vegetable varieties for Kentucky, 1966. Ky. Univ. Ext. Leaflet. 203-G, 6 p.-folder. Mar.1966. 275,29 K415Le
- 66658 KOKOLIOS, B. F., and NTOURMAS, B. D. About the results of the spring experiment on potato varieties, established in the area of Sindos in the year 1962 and a summary of the results of five years experiment 1958-1962. (Gre) Georgikon Delt. (ser.3)18:37-52. 1965. 21 G29
French summary.
- 66659 KOOISTRA, E., and SLIJKERMAN, T. C. Some notes on the breeding of melons. (Du) Zaadbelangen 20(1):9-10. Jan.15,1966. 61,8 Z1

- 66660 KOOMEN, J., and VLUG, J. Attention to field cucumbers. (Du) Groenten Fruit 21(39):1763. Apr.13,1966. 80 G89
Culture.
- 66661 KRANICH, How does it stand with the production of the Bintje? (Ge) Übersicht 17(4):276-279. Apr.9,1966. 18 Ub3
- 66662 LABEEUW, N. Comparative spring lettuce variety trials in frost-free greenhouse (West Flanders). (Fl) Tuinbouwberichten 29(9):373-375. Sept.1965. 80 T817
- 66663 LESIC, R. The effect of planting date, spacing and stand density on yields of green peas for canning. (Se) Savremena Poljoprivreda 13 (12):991-1000. Dec.1965. 21 P75
English summary.
- 66664 LITCHFIELD, J. H., and OVERBECK, R. C. Submerged culture growth of *Morchella* species in food processing waste substrates. Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:511-520. Ref. 1962, pub.1965. TP368.I5
- 66665 LORCA DE MONTALDO, L. Cultive sus batatas [Grow your sweetpotatoes]. Venezuela. Univ. Cent. Inst. Agron. Publ. Divulgativa 3, 10 p. 1965. 102.5 V542
- 66666 MANDLOI, K. K., and NIGAM, S. K. Kopergaon, ideal mung [*Phaseolus aureus*] for kharif. Indian Farming 15(12):28. Mar.1966. 22 In283
- 66667 MARSELOS, S. The production of mushroom in Greece. (Gre) Delt. Agrotikes Trapezes 143: 21-22. Mar./Apr.1965. 21.7 D38
- 66668 MARYLAND, UNIVERSITY, COOPERATIVE EXTENSION SERV. 1966 vegetable varieties for Maryland home gardens. Md. Univ. Ext. Leaflet. 15, rev., 6 p.-folder. Jan.1966. 275.29 M36EL
- 66669 MARVEL, M. E. Hydroponic culture of vegetable crops. Fla. Univ. Ext. Circ. 192A, 16 p. Feb.1966. 275.29 F66C
- 66670 MEHTA, Y. R., GANGAWA, L. C., and RAI, B. Lentil Type-6 can stand flood. Indian Farming 15(4):7. July 1965. 22 In283
Chiefly varieties and yields.
- 66671 MIKOLCEVIC, V. Small leguminous variety of bean, a hybrid of the Improved Indiana variety. (Se) Savremena Poljoprivreda 13(6):533-536. June 1965. 21 P75
- 66672 MOREAU, A. C., and MONTELARO, J. Louisiana shallots. La. State Univ. Ext. Publ. 1441, 12 p. Oct.1965. 275.29 L93Ep
Culture.
- 66673 MULE, A., and TIBERIO, T. Agronomical and technological observations conducted on some varieties of tomatoes with rigid stem and dwarfed. (It) Conserve Deriv. Agrumari 14 (4):159-161. Oct./Dec.1965. 389.8 C7622
- 66674 MUTHIAH, M. Scope for the cultivation of cabbage in the plains of Madurai district of Madras State. Madras Agr. J. 52(9):405-409. Sept.1965. 22 M262
- 66675 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Mushroom culture for amateurs. Agr. Gaz. New S. Wales 77(2):117-121. Feb.1966. 23 N472
- 66676 NIEUWHOF, M. Ten years of research in improvement of cabbage crops, 1953-1963. (Du) Landbouwdocumentatie 21(30):1067-1070, 1072-1075, 1077-1080, 1082-1086. July 24, 1965. 241 N38
Literature review.
- 66677 OHIO, AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Greenhouse vegetable research, 1966. Ohio. Agr. Res. Develop. Center Res. Sum. 8, 44 p. Apr.1966. 100 Oh3Rs
- 66678 OPRIS, S., and others. Contributions for obtaining the most adequate species of vegetables for the canned food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:215-226. Ref. 1964/65. 389.9 R86
M. Barbulescu, E. Chitu, S. Socu, C. Chiru, and N. Lunca, joint authors.
English summary.
- 66679 OTTOSSON, L. News on the research work with vegetables. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 76:32-39. 1965. 11 Up62A
- 66680 PETRESCU, C. A new method of growing early tomatoes with higher yields. (Rum) Gradina, Via Livada 15(1):11-15. Jan.1966. 80 G75
- 66681 PILLAI, K. M., ROSE, H. L., and PILLAI, K. G. K. Kerala's Kachil [*Dioscorea alata*] comes off. Indian Farming 15(4):9-10. July 1965. 22 In283
- 66682 PINZARU, D., and DALAS, M. Influence of a complex of factors on yield of peas grown in the sylvo-steppe of the Jijia-Bahlui depression. (Rum) Probl. Agr. [Bucharest] 18(2):12-21. Ref. Feb.1966. 21 R862
English summary.
Effects of variety, fertilization and planting density.
- 66683 POPESCU, T., and PARTENIE, S. High yields of vegetables from greenhouses of state farms. (Rum) Gradina, Via Livada 14(1):16-22. Jan. 1965. 80 G75
- 66684 RAUTAVAARA, T. Mushroom growing. 6. (Fi) Puutarha 69(1):28-29. 1966. 80 P99
English summary, contents and summaries.
- 66685 REAY, D. Cucumbers all summer long. Org. Gard. Farming 13(5):90-92. May 1966. 57.8 Or32
Culture.
- 66686 RODENBURG, C. M. No. 10, a new lettuce variety. (Du) Groenten Fruit 21(43):1980-1981. May 11, 1966. 80 G89
- 66687 RUITER, D. DE. Spreading of harvesting of topped brussels sprouts. (Du) Groenten Fruit 21(22, i.e. 32):1453, 1455. Feb.23, 1966. 80 G89
- 66688 SALA, R. Culture and exploitation of the cabbage. (Sp) Cult. Mod. 49(2):53-54. Feb.1966. 15 C89
- 66689 SCHAAP, C. Good extra witloof selections. (Du) Groenten Fruit 21(41):1856-1857. Apr.27, 1966. 80 G89
- 66690 SCHALES, F. D., and MASSEY, P. H. Starting early plants. Va. Polytech. Inst. Ext. Circ. 764, 15 p. Dec.1965. 275.29 V81C
Greenhouse and coldframe culture of vegetables.
- 66691 SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Lima beans and snap beans. Va. Polytech. Inst. Ext. Circ. 680, rev., 4 p. Feb.1966. 275.29 V81C
Culture.
- 66692 SCHICK, R. Our goal for 1966: around 20 per cent higher potato yields than in 1965. (Ge) Feldwirtschaft 7(3):119-122. Mar.1966. 18 W763
Culture.
- 66693 SELS, J. Some aspects of greenhouse culture of lettuce. (Fl) Tuinbouwberichten 29(9):370-372. Sept.1965. 80 T817
- 66694 SEN, S., GUPTA, K. S., and MUKHERJEE, D. B.77—latest lentil for W. Bengal. Indian Farming 15(10):38-39. Jan.1966. 22 In283
- 66695 SHOTTON, F. E. Potato growing in the Netherlands. 2. Great Brit. Min. Agr. Fish. Food. Agr. 73(2):63-66. Feb.1966. 10 G79J
- 66696 SILVESTRI, G., ANDREOTTI, R., and BELLUCI, G. Development of the program for research on canning peas. (It) Indus. Conserve 41(1):29-32. Jan./Mar.1966. 389.8 In23
English summary.
Culture.
- 66697 SIMONOV, D. Utilization of hotbeds in the production of vegetables in People's Republic Bulgaria. (Se) Savremena Poljoprivreda 13 (9):771-777. Ref. Sept.1965. 21 P75
- 66698 SNOEK, N. J., BETZEMA, J., and KRAAI, A. Selection of summer cauliflower varieties. (Du) Groenten Fruit 21(39):1783. Apr.13, 1966. 80 G89
- 66699 SOLYOM, L. Production organization under glass with special regard to the cooperative farms of Budapest. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):217-228. 1964, pub.1965. 80 B85
English summary.
Vegetables and ornamentals.

- 66700 SOMOS, A., and FILIUS, I. Application of plastic foils in early vegetable production. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):5-17. 1964, pub. 1965. 80 B85 English summary.
- 66701 SOMOS, A., and TARJANYI, F. The effect of perennial clover forage plants on the yield of vegetable plants in crop rotational culture with irrigation. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(1/2):1-23. 1966. 19 B855 Germany summary.
- 66702 SOMOS, A., and TURI, I. Portable plastic beds. (Hu) Kerteszeti Szolesz. 15(8):6-7. Apr. 1966. 80 K474 For vegetable culture.
- 66703 STANEK, M. The culture of mushrooms in Poland. (Cz) Mykol. Sb. 42(9/10):1-3. Dec. 1965. 450 C27 In the separate section "Culture of mushrooms."
- 66704 STENE, J. Planting methods and planting space for tomatoes, cucumbers and Chrysanthemum. (No) Gartneryket 56(8):151-152. Feb. 18, 1966. 80 G1938
- 66705 SUMEGHY, J. B. New canning pea varieties. Agr. Gaz. New S. Wales 77(2):79-81. Feb. 1966. 23 N472
- 66706 SVENSSON, E., and others. Culture of special crops and research. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 74:3-17. 1965. 11 Up62A S. Ohlsson, H. Skoog, and J. Ericsson, joint authors. Vegetables, fruit and field crops.
- 66707 TAN PHONG. Two overlapping taro crops in one year. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 175:9-10. June 9, 1965. (JPRS 30,516) 173 J663Trn Translation from Khoa Hoc Ky Thuat Nong Nghiep 49:25. Apr. 15, 1965. Issued by CFSTI.
- 66708 TAYLOR, J. L., and others. Home vegetable garden. Mich. State Univ. Ext. Ext. Bull. 529, 6 p.-folder. May 1966. 275.29 M58B R. L. Janes, C. W. Nicklow, and H. S. Potter, joint authors. Culture, including varieties and planting chart.
- 66709 THOMPSON, A. E. A technique of selection for high acidity in the tomato. Amer. Soc. Hort. Sci. Proc. 87:404-411. Dec. 1965. 81 S012
- 66710 TIRRELL, R. Eight weeks of asparagus. Org. Gard. Farming 13(5):25-27. May. 1966. 57.8 Or32 Culture.
- 66711 TOMASEK, F. Problems of the culture of mushrooms in lowlands. (Cz) Mykol. Sb. 42(9/10):4. Dec. 1965. 450 C27 In the separate section "Culture of mushrooms."
- 66712 TRIFUNOVIC, M. Effect of planting rate on yields and simultaneity of maturing of peas. (Se) Savremena Poljoprivreda 13(7/8):607-616. July/Aug. 1965. 21 P75 English summary.
- 66713 UNK, J. Utilization of waterlogged areas for bean culture. (Hu) Magyar Mezogazdasag 21(19):9-10. May 11, 1966. 19 M27
- 66714 VASILEVSKAYA, N. V. Peat soils in greenhouses and hotbeds. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:135-137. Feb. 1966. 20 V633 Cucumber culture.
- 66715 VENGRENOVSKII, A. I., and DZHELALI, N. I. Development of new pea hybrids by method of injection. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:89-98. Feb. 1966. 20 V633 English summary.
- 66716 VERLINDEN, J. Greenhouse culture of spinach for winter and spring. (Fl) Tuinbouwberichten 29(10):422-423. Oct. 1965. 80 T817
- 66717 VERTIGAN, W. A. Lentils in Tasmania. Tasmanian J. Agr. 37(1):56-58. Feb. 1966. 23 T182T Culture.
- 66718 VIEIRA, C., and ALMEIDA, L. A. DE. Experiment on the spacing of beans (Phaseolus vulgaris L.) in planting. (Por) Rev. Ceres 12(70):219-228. Ref. July/Aug. 1965. 9.2 C332 English summary.
- 66719 VLCEK, F., and others. Cibulove zeleniny; pestovani a kuchynska uprava [Onions; culture and use]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 211 p. Ref. SB341.V55 A. Janyska, J. Luzny, J. Moravec, and V. Toul, joint authors.
- 66720 VOGEL, J., GALL, H., and GRIESS, H. A proposal for the simplified description of varieties, with potatoes as an example. (Ge) Feldwirtschaft 7(3):152-154. Mar. 1966. 18 W763
- 66721 WATTS, A. V., SCHALES, F. D., and SCOTT, F. H. Potatoes. Va. Polytech. Inst. Ext. Circ. 700, rev., 3 p. Apr. 1966. 275.29 V81C Culture.
- 66722 WEIGLE, J. L., and BECK, A. R. Something new for the Iowa garden—hybrid green peppers. Iowa Farm Sci. 20(10):15-16. Apr. 1966. 275.28 Io94
- 66723 WIKESJO, K. Growing melons in greenhouses and hotbeds. Swedish experience. (Fi) Puutarha 69(1):8-11. 1966. 80 P99
- 66724 ZELENCHUKOPROIZVODSTVO [Vegetable culture]. Sofiya, Zemizdat, 1965. 619 p. Ref. SB323.Z4
- 66725 ZILA, L., MORAVEC, J., and ADAMOVIC, D. Korenova zelenina [Root crops]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literaturny, 1966. 151 p. SB209.Z5 Vegetables.

WEEDS AND POISONOUS PLANTS

- 66726 ABBOTT, R. E. The future of woody plant control. Int. Shade Tree Conf. Proc., 41st Conf.: 139-142. 1965. 99.9 N218 Chemical.
- 66727 ACS, A. Practical experiences in chemical weed control. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:149-154. 105.9 D354 German summary.
- 66728 ALABUSHEV, V. Evaluation of weediness in field experiments. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:111-114. Feb. 1966. 20 V633 English summary. Statistical method used.
- 66729 ALBERT, W. B. Control of little barley [Hordeum pusillum] in Coastal bermudagrass [Cynodon dactylon] with atrazine and paraquat. Weeds 13(4):375-376. Oct. 1965. 79.8 W41 In South Carolina.
- 66730 ALLEY, H. P. Weed control on western rangelands. Farm Chem. 129(3):22-23, 26, 28. Mar. 1966. 57.8 Am3
- 66731 APLIN, T. E. H. Poison plants in the garden. West. Australia. Dep. Agr. J. (ser. 4) 7(1): 23-27. Jan. 1966. 23 W52J
- 66732 BABAK, N. M., and PRESMAN, L. M. Effects of herbicides on microorganisms in soils. (Rus) Moldavskii Nauch.-Issled. Inst. Oroshae-mogo Zeml. Ovoshchevodstva. Tr. 6(1):122-132. 1965. 55.9 M73 Abstracted in Ref. Zh. Biol. 22(sect. B):46. Nov. 1965. 241.7 R25
- 66733 BILLED, F., and BARCSAK, Z. Chemical weed control experiments on pastures of the comitat Pest. (Hu) Magyar Mezogazdasag 21(13):10-11. Mar. 30, 1966. 19 M27
- 66734 BING, A. Weed control in new landscape plantings. Cornell Plant. 21(4):64-65. Winter 1965/66. 409.6 C812 With herbicides.
- 66735 BOER, W. DEN. Chemical control of weeds in greenhouses. (Du) Groenten Fruit 21(31): 1405, 1407. Feb. 16, 1966. 80 G89
- 66736 BOVEY, R. W., and BURNSIDE, O. C. Aerial and ground applications of preemergence herbicides in corn, sorghum, and soybeans. Weeds 13(4):334-336. Oct. 1965. 79.8 W41 Includes effects on crops.

- 66737 BRADE, K., and BEINHAEUER, H. Advances in weed control in potato culture. (Ge) Mitt. Deut. Landwirt.-Ges. 81(16):672,674. Apr.21, 1966. 18 N39
- 66738 BUTLER, J. D., and SLIFE, F. W. Postemergence herbicides on spring-seeded Kentucky bluegrass [*Poa pratensis*]. Weeds 13(4):370-371. Oct.1965. 79.8 W41
For the control of *Digitaria*.
- 66739 CORDS, H. P. Root temperature and susceptibility to 2,4-D in three species. Weeds 14(2):121-124. Apr.1966. 79.8 W41
The three species are: *Chrysothamnus nauseosus*, *Cirsium arvense*, and *Centaurea repens*.
- 66740 CRAFTS, A. S. The uptake, distribution and action of herbicides. Service [New Plymouth], Summer 1965/66:21-23. 385 Se6
Weed control in New Zealand.
- 66741 CULP, T. W., and MCWHORTER, C. G. Amiben and diuron preemergence in castorbeans. Weeds 14(2):171-173. Apr.1966. 79.8 W41
- 66742 CULP, T. W., and MCWHORTER, C. G. CIPC and other herbicides for weed control in sesame. Weeds 13(4):367-370. Oct.1965. 79.8 W41
- 66743 DETROUX, L. Results obtained and prospects in the control of weeds in large-scale crops. (Fr) Agro-Serv. 2:33,40. (Cont.) Mar./Apr. 1965. 385 Ag36
Belgium.
- 66744 DICKENS, R., and ANDREWS, O. N. Weed control in feed & forage crops, 1966. Auburn Univ. Ext. Circ. P-41A, 8 p.-folder. May 1966. 275.29 AL14Cp
Chemical control; includes grain and corn.
- 66745 ERDEI, S. Chemical weed control of grain is urgent. (Hu) Magyar Mezogazdasag 21(15):12-13. Apr.13,1966. 19 M27
Chiefly with dikonirt.
- 66746 FANG, S. C., KHANNA, S., and RAO, A. V. Further study on the metabolism of labeled 3-amino-1,2,4-triazole (ATA) and its plant metabolites in rats. J. Agr. Food Chem. 14(3):262-265. May/June 1966. 381 J8223
- 66747 FEYERABEND, G. The chemical control of weeds in potatoes. (Ge) Feldwirtschaft 7(3):155-157. Ref. Mar.1966. 18 W763
- 66748 FISCHER, A. 2-phenyl-3,1 benzoxazinone-4, a new contact herbicide and its mixtures. Int. Symp. Crop Protect. [Pap.], 17th Symp.:131-132. 1965. 464.9 In834
- 66749 FORD, J. J., CLARKE, J. F. G., and HALL, R. T. Determination of Herban residues. J. Agr. Food Chem. 14(3):307-311. Ref. May/June 1966. 381 J8223
- 66750 FORDE, B. J. Translocation patterns of amitrole and ammonium thiocyanate in quack grass [*Agropyron repens*]. Weeds 14(2):178-179. Apr.1966. 79.8 W41
- 66751 FODOR, T. Chemical weed control experiences with potato. (Hu) Magyar Mezogazdasag 21(14):11-12. Apr.6,1966. 19 M27
A-1114 and aresin.
- 66752 GENTNER, W. A. Herbicidal properties of trifluralin analogs. Weeds 14(2):176-178. Apr. 1966. 79.8 W41
Includes several field crop plants as test crops and several weeds for control tests.
- 66753 GENTNER, W. A., and DANIELSON, L. L. Evaluation of selected herbicides on several pulses. Amer. Soc. Hort. Sci. Proc. 87:359-362. Dec.1965. 81 So12
- 66754 GIBEAULT, V. A. Annual meadow grass [*Poa annua*]—a major weed of fine turf? Sports Turf Res. Inst. J. 41:48-52. 1965. 60.19 B772
Includes chemical control.
- 66755 GIMESI, A. Suggestions for chemical weed control of lucerne. (Hu) Magyar Mezogazdasag 21(19):6-7. May 11,1966. 19 M27
Chiefly with Aretit.
- 66756 GOMIDE, J. A. Preliminary trial on control of sapeggrass (*Imperata brasiliensis* Trin.). (Por) Rev. Ceres 12(70):245-252. July/Aug.1965. 9.2 C332
English summary.
- 66757 GOPALAKRISHNAN, R., NARAYANAN, P., and BALAKRISHNAN, M. P. Effective weedicide for broadcast rice crop. Indian Farming 15(10):10-11. Jan.1966. 22 In283
- 66758 GRANSTROM, B. Nya kemiska medel mot ogras [New chemical preparations against weeds]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 78,26 p. Ref. 1966. 11 Up62A
- 66759 GRANSTROM, B., and DAHLKVIST, A. Ogras-bekampning i hostsad i sodra Sverige [Weed control in winter cereals in southern Sweden]. Uppsala. Lantbrukshogsk. Medd. Rep. Ser. A, 46,28 p. Res. 1966. 11 Up62
- 66760 GURSANSKY, J. A. Weed control in carrots. S. Australia J. Agr. 69(7):239. Feb.1966. 23 So84
Use of linuron and prometryne.
- 66761 HAIZEL, K. A. Modern trends in cultivation of field crops. Ghana Farmer 8(4):127-219. Nov. 1964. 24 G564
Weed control with simazine and atrazine.
- 66762 HAMILTON, K. C., and ARLE, H. F. Herbicide combination in cotton. Progr. Agr. Ariz. 18(1):23. Jan./Feb.1966. 6 P9452
- 66763 HAMILTON, K. C., and others. Preplanting applications of diuron in cotton. Weeds 14(2):145-148. Ref. Apr.1966. 79.8 W41
H. F. Arle, W. P. Cahill, and J. M. Witt, joint authors.
- 66764 HANBURY, L. F., and MAUGHAN, G. L. Machine thinning of sugar beet: field trials with chemical and mechanical weed control. J. Agr. Sci. [London] 66(2):189-195. Apr.1966. 10 J822
- 66765 HERRON, J. W., POPE, T. E., and NEW, E. H. 1966—weed control recommendations for established bluegrass turf. Ky. Univ. Ext. Misc. 322-A, rev., 1 p. Feb.1966. 275.29 K415M
- 66766 HILTON, J. L. Aliphatic acid inhibitors: interference with ketopantoate utilization for pantothenate biosynthesis. Weeds 14(2):174-176. Apr.1966. 79.8 W41
The herbicides propionate, 3-chloropropionate, and dalapon tested on *Escherichia coli*.
- 66767 HOVE, J. VAN DEN. The use of cattle as a Gramineae control on palm plantations in Colombia. (Fr) Oleagineux 21(4):207-209. Apr. 1966. 77.8 OL2
English summary, p. XXXIX.
- 66768 HUGHES, E. E. Basal and stump sprays for control of saltcedar [*Tamarix pentandra*]. Weeds 13(4):338-340. Oct.1965. 79.8 W41
Silvex was used as the herbicide in New Mexico.
- 66769 ISO, I. Care of corn and chemical weed control. (Hu) Magyar Mezogazdasag 21(10):9-10. Mar.9,1966. 19 M27
Chiefly on weed control.
- 66770 JAYALAKSHMI, A. P. A preliminary study on the moisture content and viability of propagules in hariyali (*Cynodon dactylon* Pers.). Madras Agr. J. 52(2):84-85. Feb.1965. 22 M262
Control of this weed.
- 66771 JENSEN, D. J., and SCHALL, E. D. Determination of vapor pressures of some phenoxyacetic herbicides by gas-liquid chromatography. J. Agr. Food Chem. 14(2):123-126. Ref. Mar./Apr.1966. 381 J8223
- 66772 KANKE, E. L., and SLIFE, F. W. Giant foxtail [*Setaria faberii*] seeded at various times in corn and soybeans. Weeds 13(4):331-334. Oct.1965. 79.8 W41
Effects of yields.
- 66773 KASASIAN, L. Five years of weedkiller research in the Caribbean. Agr. Soc. Trinidad Tobago. J. 65(4):459,461-463,465,467,469-470. Dec.1965. 8 T73
Summary and discussion, p.527-534.
Chemical control.
- 66774 KATES, A. H. 1966 herbicide recommendations: soil sterilization. Va. Polytech. Inst. Ext. Leaflet. 218, 2 p. Feb.1966. 275.29 V81L
Weed control.

- 66775 KATZ, S. E. Determination of the substituted urea herbicides linuron, monuron, diuron, neburon, and fenuron in surface waters. *Ass. Offic. Anal. Chem. J.* 49(2):452-456. Ref. Apr. 1966. 381 As7
- 66776 KING, J. M. Wild oats [*Avena fatua*] in peas; a new material [tri-allylate] for their control. *Great Brit. Min. Agr. Fish. Food. Agr.* 73(2):78-81. Feb.1966. 10 G79J
- 66777 KNAKE, E. L., MCGLAMERY, M. D., and SLIFE, F. W. Using preemergence herbicides. *Ill. Univ. Ext. Circ.* 932,16 p. Mar.1966. 275.29 IL62C
Corn and soybeans.
- 66778 KNAVEL, D. E., WATKINS, H., and HERRON, J. W. The influence of soil temperature, soil moisture and soil compaction on the diffusion of methyl bromide. *Amer. Soc. Hort. Sci. Proc.* 87:573-578. Ref. Dec.1965. 81 So12
In weed control.
- 66779 KOCH, W., and RADEMACHER, B. Influence of various types of stubble cultivation on weeds. (Ge) *Z. Acker- Pflanzenbau* 123(4):395-409. Apr.1966. 18 J825
English summary.
- 66780 KOSOVAC, Z. The effect of applying herbicides and omitting tillage on sunflower production on Chernozem. (Se) *Savremena Poljoprivreda* 13(9):743-750. Sept.1965. 21 P75
English summary.
- 66781 KUWAHARA, M., KATO, N., and MUNAKATA, K. The photochemical reaction of pentachlorophenol. I-II. *Agr. Biol. Chem.* 30(3):232-244. Ref. Mar.1966. 385 Ag8B
Herbicide.
- 66782 LEE, W. O. Herbicides in seedbed preparation for the establishment of grass seed fields. *Weeds* 13(4):293-297. Oct.1965. 79.8 W41
- 66783 LEONARD, O. A., CARLSON, C. E., and BAYER, D. E. Studies on the cut-surface method. II. Control of blue oak [*Quercus douglasii*] and madrone [*Arbutus menziesii*]. *Weeds* 13(4):352-356. Ref. Oct.1965. 79.8 W41
- 66784 LEONARD, O. A., and HARVEY, W. A. Chemical control of woody plants. (Sp) *Tierra [Mexico]* 20(9):712,730. Sept.1965. 8 T445
- 66785 LEONARD, O. A., and HARVEY, W. A. Chemical control of woody plants. (Sp) *Tierra [Mexico]* 21(2):110,152. (Cont.) Feb.1966. 8 T445
- 66786 LICHCY, C. T. Successful vegetation control in Florida ditches and canals. *Sugar News [Manila]* 42(2):86-87. Feb.1966. 65.8 Su36
With herbicides.
- 66787 LIEFSTINGH, G. Weed control in Hevea plantations. *Ghana Farmer* 8(4):115-118,137. Nov. 1964. 24 G564
- 66788 LINDEGAARD, J. Wild oats is an increasing problem. (Da) *Dansk Landbrug* 85(4):97-100. Apr.1966. 280.28 V91
Chemical control.
- 66789 LOZANOVSKI, R., and KIRKOVA, M. Results of tests with the application of herbicides of aminotriazine basis in the weed control of tomatoes, onions and carrots. (Se) *Agrohemija* 9:509-515. Ref. 1965. 385 Ag87
- 66790 MACADAM, J. F. Some poisonous plants in the North-West. *Agr. Gaz. New S. Wales* 77(2):73-78. Feb.1966. 23 N472
To livestock.
- 66791 MAES, E., and STRYCKERS, J. Influence of herbicides on the baking quality of wheat. (Fl) *Ghent. Landbouwhoges. Mededel.* 30(4):2051-2062. 1965. 105.1 G344
English summary.
- 66792 MALCOLM, W. M. Root parasitism of *Castilleja coccinea*. *Ecology* 47(2):179-186. Ref. Early Spring 1966. 410 Ec7
Chiefly study of nutrition; various hosts.
- 66793 MANNER, L. P. Contribution to the determination of the herbicide activity of s-triazines with the help of thin layer chromatography. (Ge) *J. Chromatography* 21(3):430-438. Ref. Mar. 1966. 475 J824
English summary.
- 66794 MCWHORTER, C. G. *Sesbania [exaltata]* control in soybeans with 2,4-D wax bars. *Weeds* 14(2):152-155. Apr.1966. 79.8 W41
- 66795 MCWHORTER, C. G., and BARRENTINE, W. L. Advances in weed control in soybeans. *Soybean Dig.* 26(7):14,16-17. Apr.1966. 60.38 So9
Post emergence use of herbicides.
- 66796 MEADE, J. A. How to control Johnsongrass. *Md. Univ. Ext. Fact Sheet* 178,2 p. Jan.1966. 275.29 M36Fa
Cultural and chemical control.
- 66797 MEARS, A. D. Khaki weed [*Alternanthera repens*] in New South Wales. *Agr. Gaz. New S. Wales* 77(1):21-26, map. Jan.1966. 23 N472
Includes control in Lucerne-growing areas.
- 66798 MEARS, A. D. Mesquite [*Prosopis juliflora*], a threat to grazing land. *Agr. Gaz. New S. Wales* 77(2):102-105. Feb.1966. 23 N472
Includes control.
- 66799 MEISTER PUBLISHING CO. RESEARCH DEPT. Your 1966 weed control reference. *Farm Chem.* 129(3):39-54,87-100. Mar.1966. 57.8 Am3
Herbicides.
- 66800 MENGES, R. M., and HUBBARD, J. L. Soil-surface and soil-incorporated applications of herbicides in furrow-irrigated spinach. *Amer. Soc. Hort. Sci. Proc.* 87:363-370. Ref. Dec. 1965. 81 So12
- 66801 MERKLE, M. G., BOVEY, R. W., and HALL, R. The determination of picloram residues in soil using gas chromatography. *Weeds* 14(2):161-164. Apr.1966. 79.8 W41
- 66802 MILLER, J. F. Johnsongrass [*Sorghum halepense*] control. *Ga. Univ. Ext. Circ.* 552,8 p.-folder. Jan.1966. 275.29 G29C
- 66803 MISI, S., and FEKETE, J. Dikonirt + carbamide—successful campaign among young agricultural experts. II. (Hu) *Magyar Mezogazdasag* 21(13):6-7. Mar.30,1966. 19 M27
Tested on cereals.
- 66804 MISI, S., and FEKETE, J. Dikonirt + carbamide—successful campaign among young agricultural experts. III. (Hu) *Magyar Mezogazdasag* 21(14):5. Apr.6,1966. 19 M27
Tested on cereals.
- 66805 MITCHELL, W. H., COLE, R. H., and BOYS, F. E. Weed control in grain and forage crops. *Del. Univ. Ext. Bull.* 85,4 p. 1966? 275.29 D37
Chemical control; includes soybeans and corn.
- 66806 MODUN, E., and KOVACEVIC, J. Possibilities of weed control in olive orchards with simazine. (Se) *Agrohemija* 9:501-508. 1965. 385 Ag87
- 66807 MONTGOMERY, D. Field trials with substituted uracil herbicides. *Int. Symp. Crop Protect. [Pap.]*, 17th Symp.:130. 1965. 464.9 In834
- 66808 MORTLAND, M. M., and MEGGITT, W. F. Herbicide absorbance: interaction of ethyl N,N-di-n-propylthiocarbamate (EPTC) with montmorillonite. *J. Agr. Food Chem.* 14(2):126-129. Mar./Apr.1966. 381 J8223
Interaction of organic pesticide with soil colloids.
- 66809 NAIDU, B. A., MURTHY, M. S., and RAO, I. V. S. A note on the preliminary trials with Dacthal (a new herbicide). *Andhra Agr. J.* 12(6):224-226. 1965. 34.2 An4
- 66810 NIETO HATAM, J. Control of weeds in corn. (Sp) *Tierra [Mexico]* 21(3):191,238. Mar.1966. 8 T445
Mexico.
- 66811 NIETO HATEM, J. Control of weeds with herbicides. (Sp) *Tierra [Mexico]* 20(10):790-791, 837. (Cont.) Oct.1965. 8 T445
Mexico.
- 66812 NIETO HATAM, J. How to control weeds with herbicides. (Sp) *Tierra [Mexico]* 21(1):29,69. (Cont.) Jan.1966. 8 T445
Mexico.

- 66813 NEPOMILUEV, V. F., and KUZ'YAKINA, T. I. Effects of herbicides on microbiological processes in soil with corn culture. (Rus) Moscow. Timiryazevskaya Sel'skokhoz. Akad. Dokl. 103:225-230. 1965. 20 M857
Simazine.
Abstracted in Ref. Zh. Biol. 22(sect.B):47. Nov.1965. 241.7 R25
- 66814 NEWMAN, R. Controlling lawn weeds. Wis. Univ. Ext. Spec. Circ. 118,6 p.-folder. Apr. 1966. 275.29 W75S
Chemical control.
- 66815 OBIEN, S. R., SUEHISA, R. H., and YOUNGE, O. R. The effects of soil factors on the phytotoxicity of neburon to oats. Weeds 14(2):105-109. Ref. Apr.1966. 79.8 W41
Greenhouse experiments.
- 66816 OLIMPIERI, R., and CAMERINI, G. R. Selective weed control in beets. (It) Prog. Agr. [Bologna] 11(8):821-833. Aug.1965. 58.8 P94
- 66817 OLVEGARD, P. Wild oats. (Sw) Skaraborgs Lans Hushallningssallsk. Tidn. 3:52. June 1965. 11 Sk1
Control.
- 66818 ORBAIZ, A. The use of herbicides. (Sp) Soc. Rural Argent. An. 99(7):115-116. July 1965. 9 Sol
Application.
- 66819 ORSENIGO, J. R. Regulate the use of herbicides. (Sp) Inst. Agr. Catalna San Isidro. Rev. 114(6):114-116. June 1965. 15 Sa5
Application.
- 66820 OTTO, N. E. Aquatic weed control studies. U. S. Bur. Reclam. Water Resources Tech. Publ. Res. Rep. 2,40 p. 1966. 156.84 W29
Chemical.
- 66821 PASCUAL RAGA, F. Surface-active agents and herbicidal effectiveness. (Sp) Rev. Agroquim. Tecnol. Aliment. 5(1):23-25. Jan./Mar.1965. 389.8 R324
- 66822 PEACOCK, J. F., and others. Flaming, inter-tillage, and chemical weed control in castor-beans. Weeds 13(4):290-292. Oct.1965. 79.8 W41
O. C. Burnside, T. L. Lavy, D. G. Hanway, and D. L. Kittock, joint authors.
- 66823 PEARCE, G. A. Current weed problems. Dairy Notes 3(1):8-9. Jan.1966. 44.8 D1439
Chemical control.
- 66824 PERMIN, O. Cross-harrowing and spraying with alipur against weeds in fodder beets. (Da) Tidsskr. Planteavl 69(4):538-553. 1966. 11 T439
English summary.
- 66825 PETERS, E. J., GEBHARDT, M. R., and STRITZKE, J. F. Interrelations of row spacings, cultivations and herbicides for weed control in soybeans. Weeds 13(4):285-289. Ref. Oct.1965. 79.8 W41
Amiben and PCP.
- 66826 POGACSAS, GY., and FERENCZY, E. Current problems of modern industrial pea production. II. Chemical weed control. (Hu) Magyar Mezőgazdasag 21(14):9. Apr.6,1966. 19 M27
- 66827 POSTRIHAN', S. A. Sucker-weeds growing in patches. (Uk) Ukr. Bot. Zhur. 22(5):91-92. 1965. 450 J8212J
- 66828 PRIDHAM, A. M. S. Chemical weed control in nursery plantings. Cornell Plant. 21(4):62-64. Winter 1965/66. 409.6 C812
- 66829 QADIR, S. A., and others. Some new records of Cistanche tubulosa Wight in west Pakistan. Pakistan J. Forest. 61(1):81-84. Ref. Jan. 1966. 99.8 P17
M. A. Ahmed, S. Z. Qureshi, and M. I. Shafi, joint authors.
A root parasite with several host plants.
- 66830 RAKSHAINA, M. TS. Development of micro-organic inhibitors with herbicidal properties. (Rus) Leningrad. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii. Trudy 19:75-78. 1965. 448.39 L59
Fungi.
Abstracted in Ref. Zh. Biol. 22(sect.B):46. Nov.1965. 241.7 R25
- 66831 REDDY, D. B. Hoe your wheat with a chemical. Intensive Agr. 2(11):11. Jan.1965. 22 In8
Weed control with 2, 4-D in India.
- 66832 REYNOLDS, B. When the grass gets a squeeze from the trees. Our Publ. Lands 15(4):18-19. Spring 1966. 156.55 Ou7
Control of Juniperus, Pinus edulis and P. cembroides.
- 66833 ROBERTS, E. C., MARKLAND, F. E., and PELLETT, H. M. Effects of bluegrass stand and watering regime on control of crabgrass [Digitaria] with preemergence herbicides. Weeds 14(2):157-161. Apr.1966. 79.8 W41
- 66834 RUGGIERI, G. Plant parasites. (It) Agricoltura 14(6):45-53. June 1965. 16 Ag8226
Control in citrus.
- 66835 SARKADI, J., and BANO, T. Remarks to the series of articles on dikoniirt plus carbamide. (Hu) Magyar Mezőgazdasag 21(17):10. Apr.27, 1966. 19 M27
Wheat.
- 66836 SARPE, N., and others. Study of the residual effect of atrazine applied to corn on the subsequent winter wheat stands. (Rum) Probl. Agr. [Bucharest] 17(11):16-22. Ref. Nov.1965. 21 R862
A. Apostol, A. Ciorlaus, F. Ciobanu, L. Pop, S. Mathe, O. Segarceanu, A. Ulinici, and I. Vladut, joint authors.
English summary.
- 66837 SCHIPSTRA, K. Weed control trials with ioxy-nil and ioxynil with added growth-substances or mixtures of growth-substances in grasses grown for seed 1964/1965. Int. Symp. Crop Protect. [Pap.], 17th Symp.:129-130. 1965. 464.9 In834
- 66838 SCHMIDT, H. W. Chemical weed control in the light of animal and nature protection. (Ge) Bl. Naturschutz 45(4):96-97. Nov.1965. 279.8 B61
- 66839 SEIWERTH, V. Results of experimental application of several herbicides on alfalfa. (Se) Biljna Zastita 9(11/12):226-230. Nov./Dec. 1965. 464.8 B49
- 66840 SHAULIS, N., and JORDAN, T. D. Chemical control of weeds in New York vineyards. Cornell Univ. Ext. Cornell Ext. Bull. 1026,rev., 16 p. Apr.1966. 275.29 N48E
- 66841 SHENNAN, J. L., and FLETCHER, W. W. The growth in vitro of micro-organisms in the presence of substituted phenoxyacetic and phenoxybutyric acids. Weeds Res. 5(3):266-274. Ref. Sept.1965. 79.8 W412
Testing effects of herbicides on soil micro-organisms.
- 66842 SINHA, T. D., and THAKUR, C. Eradication of nutgrass [Cyperus rotundus L.] by killing the tubers with 2,4-D. Madras Agr. J. 53(2): 72-75. Feb.1966. 22 M262
- 66843 SISTO, A. M. Historical notes on the development of chemical weed control. (It) Agr. Italia 11(10):7-30. Ref.,p.27-30. Oct.1965. 16 Ag8232
- 66844 SISTO, A. M. Weed damage. (It) Agr. Italia 11(12):13-40. Ref.,p.37-40. Dec.1965. 16 Ag8232
Crop losses.
- 66845 SLOANE, L. W. Flame cultivation to control weeds in soybeans. Soybean Dig. 26(7):20,23. Apr.1966. 60.38 So9
- 66846 SMILIE, J. L. Planning to produce weed-free cotton at a reasonable cost. Cotton Trade J. Int. Edition 1966(automation No.):44-45,165. 72.8 C8214I
Herbicide application.
- 66847 STAINFORTH, D. W., LOVELY, W. G., and CADY, F. B. Sampling procedures for estimates of weed [Setaria glauca] yields in corn plots. Weeds 13(4):357-360. Oct.1965. 79.8 W41
2,4-D as the herbicide.
- 66848 STANDIFER, L. C., and THOMAS, C. H. Response of johnsongrass [Sorghum halepense] to soil-incorporated trifluralin. Weeds 13(4):302-306. Oct.1965. 79.8 W41
For control with the cotton crop.
- 66849 STRYCKERS, J., and HIMME, M. VAN. A new crop production method for potatoes by the use of herbicides. Int. Symp. Crop Protec. [Pap.], 17th Symp.:129. 1965. 464.9 In834
Application after hilling.

- 66850 SWANN, C. W., and BUCHHOLTZ, K. P. Control and carbohydrate reserves of quackgrass [*Agropyron repens*] as influenced by uracil herbicides. Weeds 14(2):103-105. Apr.1966. 79.8 W41
In Wisconsin.
- 66851 TAFT, C. E. Water and algae world problems. Chicago, Educ. Publ., 1965. 236 p. Ref. QK565.T3
Chiefly water pollution and control.
- 66852 TAYLORSON, R. B. Decomposition of CDEC by far ultraviolet radiation. Weeds 14(2):155-157. Apr.1966. 79.8 W41
- 66853 TAYLORSON, R. B. Delayed preemergence weed control in seeded tomatoes and peppers. Weeds 13(4):306-308. Oct.1965. 79.8 W41
- 66854 THORUP, S. The control of weeds in Denmark by the use of herbicides. Agr. Vet. Chem. 6(5): 141-142,144-146, map. Sept./Oct.1965. 382 Ag82
- 66855 TIMMONS, F. L. Control of weeds harmful to water uses in the West. Amer. Soc. Civil Eng. J. 92(WW1,proc.pap.4665):47-58. Feb.1966. 290.9 Am3Ps
Chemical control along irrigation systems.
- 66856 TOMOLOV, V. P., and SHIN, P. V. Bor'ba s sornyakamy na tselinnykh zemlyakh [Weed control in virgin land]. Moskva, Tselinograd, 1964. 95 p. Ref. SB613.K3T6
- 66857 UBRIZSY, G. New results and experiences in chemical weed control of grain crops. (Hu) Magyar Mezogazdasag 21(17):14. Apr.27,1966. 19 M27
- 66858 UBRIZSY, G., and CSONGRADY, MRS. M. Chemical weed control of sunflower. (Hu) Magyar Mezogazdasag 21(14):13-14. Apr.6, 1966. 19 M27
- 66859 VANDEN BORN, W. H. The effect of dicamba and picloram on quackgrass [*Agropyron repens*], bromegrass [*Bromus inermis*] and Kentucky bluegrass [*Poa pratensis*]. Weeds 13 (4):309-312. Oct.1965. 79.8 W41
- 66860 VARGA, J. Experiences with the 1114 [promethryne] and 1803 (Geigy) plant protection materials in potato culture. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:193-202. 105.9 D354
German summary.
Weed control.
- 66861 VENGRIS, J. Seasonal occurrence of barnyard-grass [*Echinochloa crusgalli*] in potato fields in Massachusetts. Weeds 13(4):374-375. Oct. 1965. 79.8 W41
Weed competition and its effects on potato crop yields; includes chemical control.
- 66862 VILLASENOR LUQUE, A. Control of weeds in the coffee plantation. (Sp) Tierra [Mexico] 20 (5):367,404. May 1965. 8 T445
Mexico.
- 66863 VIRAG, A. A new herbicide "Burgonya G." (Hu) Magyar Mezogazdasag 21(13):14. Mar.30, 1966. 19 M27
Potato weed control.
- 66864 WALKER, C. R. Diuron, fenuron, monuron, neburon, and TCA mixtures as aquatic herbicides in fish habitats. Weeds 13(4):297-301. Ref. Oct.1965. 79.8 W41
- 66865 WALKER, D. J. Heliotrope [*Heliotropium europaeum*] poisoning in sheep and cattle. Agr. Gaz. New S. Wales 77(1):11-14. Jan.1966. 23 N472
- 66866 WARREN, R. Evergreen [*Rubus laciniatus*], himalaya [*Rubus procerus*], and wild blackberries [*Rubus ursinus*]. Oreg. State Univ. Ext. Ext. Bull. 759, rev., 4 p. Feb.1966. 275.29 Or32B
Chemical control.
- 66867 WORSHAM, A. D., and others. Chemical weed control in cotton. N. C. Univ. Ext. Ext. Folder 178,24 p. Feb.1966. 275.29 N811Ex
W. M. Lewis, W. G. Toomey, and R. P. Upchurch, joint authors.
- 66868 WRIGHT, W. L., and WARREN, G. F. Photochemical decomposition of trifluralin. Weeds 13(4):329-331. Oct.1965. 79.8 W41
- 66869 WUGLER, W. The use of herbicides in agriculture. (Fr) Agr. Romande (ser.A.)5(1):1-20. Ref. Jan.1966. 17 Ag8
- 66870 ZOGG, H. Chemical weed control in field culture. (Ge) Grune 93(22):790-804. May 28, 1965. 17 Sch9
- MISCELLANEOUS ECONOMIC PLANTS
(Drug, Dye, Rubber, etc.)
- 66871 ATHANASSOVA-SHOPOVA, S., and ROUSSE-NOV, K. Pharmacological studies of Bulgarian plants with a view to their anticonvulsive effect. Bulgarska Akad. Nauk. Dokl. 18(7):691-694. 1965. 512 So2
- 66872 BECHYNE, M. The effect of spacing on the biological and production properties of poppy (*Papaver somniferum* L.). (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Ve-deckotech. Inform. Rostlinna Vyroba 38(12): 1289-1300. Ref. Dec.1965. 64.9 C33
English summary.
- 66873 BECKER, V. Prerequisites of successful ergot production. (Hu) Magyar Mezogazdasag 21(14): 20. Apr.6,1966. 19 M27
- 66874 CAIAZZO, A. Matricaria chamomilla and Anthemis nobilis (two present-day drug plants). (It) Agr. Napoletana 32(9/10):3-8. Sept./Oct. 1965. 16 Ag8268
Cultural.
- 66875 CAPOT, J. Renovation and pruning of coffee plantations in the Ivory Coast. (Fr) Cafe, Cacao, The 10(1):3-16. Jan./Mar.1966. 68.8 C112
English summary.
- 66876 COURTENAY, P. P. Plantation agriculture. New York, Praeger, 1965. 208 p., map. Ref. (Praeger Surveys in Economic Geography) SB111.C6
Hevea brasiliensis and tea culture as exam-ples.
- 66877 EHRLICH, S. Two experiments in the biological clarification of stabilization-pond effluents. Hydrobiologia 27(1/2):70-80. Jan.31,1966. 410 H992
Daphnia and Lemna used in sewage purification.
- 66878 FERNIE, L. M. Impressions of coffee in Ethiopia. Kenya Coffee 31(363):115-119,121. Mar. 1966. 68.29 C652
Culture, diseases and consumption.
- 66879 FOGLINO, F. Comparative tests of local adaptation with Pyrethrum varieties at the Rwerere (North Rwanda) Experimental Station, 1958-1960. (It) Riv. Agr. Subtrop. Trop. 59(7/9): 308-316. July/Sept.1965. 26 Ag82
English summary, p.2 of supplement.
- 66880 GRANT-COOK, M. Tea culture in the high-lands of New Guinea. Australian Ter. 6(1): 13-19. Feb.1966. 280.8 Au77
- 66881 HANSSON, A. Honey plants. 14. February daphne [*Daphne mezereum*]. (Sw) Bitidningen 65(3):76-77, map. Mar.1966. 424.8 B54
- 66882 HANSSON, A. Honey plants. 15. Norway maple [*Acer platanoides*]. (Sw) Bitidningen 65(4): 116-117, map. Apr.1966. 424.8 B54
- 66883 HARLER, C. R. The pruning of the tea plant. I. Why, when and how. Planters' Chron. 61(8):142-144. Apr.15,1966. 22 P693
- 66884 HARLER, C. R. The pruning of the tea plant. 2. Light and medium pruning. Planters' Chron. 61(9):165-167. May 1,1966. 22 P693
India, Ceylon, and Africa.
- 66885 HART, S. A., and GOLUEKE, C. G. Producing algae in lagoons. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):122-123. 1965. 290.9 Am32T
Use of manure lagoons for production of algae for feed.
- 66886 HARTLING, C. Poisonous plants in pharmacy. 4. (Ge) Praktikantenbriefe 11(3):17-21. Mar.1965. 396.8 P882
- 66887 HASAN, K. A., CHAUDHURY, S. H., and HABIB, A. Tea cultivation in West Pakistan soil properties and other environmental factors of Buffa and Tutki tea experimental farms. Pakistan J. Sci. 16(5/6):321-324. Sept./Nov.1964. 475 P172
- 66888 HOEL, P. Sheathed cottonsedge (*Eriophorum vaginatum*). (No) Biokteren 82(3):56. Mar. 1966. 424.8 B53
As honey plant.

- 66889 HOWARD, B. H., and SYKES, J. T. Regeneration of the hop plant (*Humulus lupulus* L.) from softwood cuttings. II. Modification of the carbohydrate resources within the cutting. *J. Hort. Sci.* 41(2):155-163. Apr.1966. 80 J825
- 66890 HUXLEY, P. A. Radio-isotopes and coffee research in Kenya. *Kenya Coffee* 31(361):15. Jan.1966. 68.29 C652
Agronomic research.
- 66891 JORDAN, D., and OPOKU, A. A. The effect of selected soil covers on the establishment of cocoa. *Trop. Agr. [St. Augustine]* 43(2):155-166. Ref. Apr.1966. 26 T754
Ghana.
- 66892 KANAPATHIPILLAI, P. Extension experiments; their nature and meaning. *Ceylon. Tea Res. Inst. Tea Quart.* 36(4):141-143. Dec.1965. 68.18 C33
Experimental farms, in Ceylon.
- 66893 KANNAN, K., and NAIR, K. P. V. Zingiber officinale (ginger) in Kerala. *Madras Agr. J.* 52(4):168-176. Apr.1965. 22 M262
Culture.
- 66894 KEREKES, J. A survey of teaching of drug plant culture in Hungary. (Hu) *Herba Hung.* 4(2):34-36. 1965. 71.8 H413
- 66895 KORDYUM, V. A. Possibilities of mass cultivation of algae for fodder. (Ukr) *Ukr. Bot. Zhur.* 22(6):108-113. 1965. 450 J8212J
- 66896 KUMAGA, E. M. Oil palm production in Ghana. *Ghana Farmer* 8(3):72-80. Aug.1964. 24 G564
- 66897 LE NGAN. Step up the cultivation of industrial plants. *U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ.* 155:54-61. Mar.23,1965. (JPRS 29,254) 173 J663Trn
Translation from *Thoi Su Pho Thong* 3:17-24. Feb.1965.
Issued by CFSTI.
- 66898 MACKU, J., and KREJCA, J. Atlas liecivych rastlin [Tables of medicinal plants]. Ed. 2. Bratislava, Slovenska Akademia Vied, 1965. 467 p. QK99.M3
- 66899 MAYNE, W. W. History and heresy of shade. *Planters' Chron.* 61(4):65-67. Feb.15,1966. 22 P693
Coffee.
- 66900 MCCULLOCH, J. S. G., and others. Effect of shade trees on tea yields. *Agr. Meteorol.* 2(6):385-399. Ref. Dec.1965. 340.8 Ag8
H. C. Pereira, O. Kerfoot, and N. A. Goodchild, joint authors.
- 66901 MEHER-HOMJI, V. M. Scope in *Rauwolfia* in Pondicherry. *Indian Farming* 15(4):14. July 1965. 22 In283
Culture of *Rauwolfia serpentina* and *R. tetraphylla*.
- 66902 MERRILL, S. Growing good nursery stock. *Amer. Tung News* 17(4):9. Apr.1966. 307.8 Am33
Tung tree culture.
- 66903 MEYER, F. G. F.A.O. coffee mission to Ethiopia, 1964-1965. *Kenya Coffee* 31(363):123-125, 127. Mar.1966. 68.29 C652
For the purpose of collecting wild *Arabica* coffee plants (*Coffea arabica*) for breeding, chiefly for the resistance to rust *Hemileia vastatrix*.
- 66904 PAPP, I., and JOZSA, L. Plant density effect on yield volume of poppy. (Hu) *Magyar Mezőgazdasag* 21(14):6. Apr.6,1966. 19 M27
- 66905 PINTO, A. Cacao culture in the Cabinda enclave and its financial possibilities. (Por) *Granja [Lisboa]* 24(3/4):125-145. July/Dec. 1965. 15.5 G76
- 66906 POLOSKEY, E. Cultivation and purchasing of drug plants in the last 50 years. (Hu) *Herba Hung.* 4(2):16-22. 1965. 71.8 H413
- 66907 QUANSAH, S. T. The future of cocoa. *Ghana Farmer* 8(3):98-100,103. Aug.1964. 24 G564
Chiefly culture.
- 66908 RASMUSSEN, H. Useful drug-containing plants. (Sp) *Cult. Mod.* 49(4):144. Apr.1966. 15 C89
- 66909 RAUSZ, A. Changes in large-scale production of peppermint in Hungary. (Hu) *Herba Hung.* 4(2):171-180. 1965. 71.8 H413
German summary.
- 66910 RICHARDS, A. V. The origin of the popular tri clones. *Ceylon. Tea Res. Inst. Tea Quart.* 36(4):183-187. Dec.1965. 68.18 C33
Propagation and breeding.
- 66911 ROJAS CRUZ, L. A. Commercial production of the African oilpalm. (Sp) *Rev. Nac. Agr.* 57(723):41-44. (Cont.) July 1965. 9.4 R32
Culture in Colombia.
- 66912 RUSINOV, K. S. Folk medicine as a source of new drugs. (Bu) *Priroda [Sofia]* 13(6):37-41. Nov./Dec.1964. 410 P934
Drug plants.
- 66913 SARKANY, MRS. S. Breeding of *Matricaria chamomilla* L. (Hu) *Herba Hung.* 4(2):125-170. 1965. 71.8 H413
German summary.
- 66914 SERRIER, J. B. Transportation and planting of African oilpalm seedlings grown in plastic bags. (Fr) *Oleagineux* 21(1):9-11. Jan.1966. 77.8 OL2
- 66915 SINGH, H. B., and HARDAS, M. W. Exploration for exotic plants. *Indian Farming* 15(1):11-13. Apr.1965. 22 In283
Chiefly wild food plants.
- 66916 SPASOJEVIC, V., KARAS, I., and CISAR, F. Breeding of redpeppers for industrial processing. (Se) *Savremena Poljoprivreda* 13(12):1001-1010. Dec.1965. 21 P75
German summary.
Effects on yields.
- 66917 SRIVASTAVA, V. K. For bigger tapioca yields. *Intensive Agr.* 2(11):8. Jan.1965. 22 In8
India.
- 66918 SZASZ, K. Role of drug plant research in drug manufacture in the last 50 years. (Hu) *Herba Hung.* 4(2):23-26. 1965. 71.8 H413
- 66919 TAG, P. Notes on a visit to Angola. *Kenya Coffee* 31(361):23. Jan.1966. C652
Culture and varieties.
- 66920 TEA BOARD OF KENYA. Tea in Kenya. Nairobi, 1965? 48 p., map. SB272.K4T4
- 66921 TETENYI, P. The main research trends of the Drug Plant Research Institute [Gyógynövény Kutató Intézet]. (Hu) *Herba Hung.* 4(2):3-9. 1965. 71.8 H413
- 66922 THOMAS, K. M. "Rio-De-Janeiro" will double your ginger [*Zingiber officinale*] yield. *Indian Farming* 15(10):15,18. Jan.1966. 22 In283
Varieties.
- 66923 UNK, J. Tasks in poppy production. (Hu) *Magyar Mezőgazdasag* 21(15):5-6. Apr.13, 1966. 19 M27
- 66924 VAZ, J. T. Impressions on Brazilian coffee culture. (Por) *Gaz. Agr. Angola* 11(2):820-823. Feb.1966. 24 G252
Frost protection methods.
- 66925 VAZ, J. T. Impressions of Brazilian coffee culture. III. Coffee plantations. (Por) *Gaz. Agr. Angola* 11(3):884-887. Mar.1966. 24 G252
- 66926 WALSHAW, E. R. *Melaleuca leucadendron*—a winter honey plant. *Amer. Bee J.* 106(2):51. Feb.1966. 424.8 Am3
- 66927 YANKULOV, I. K., and DELCHEV, G. The effect of propagation method and harvesting time on the volatile oil yield of *Valeriana officinalis*. (Ge) *Herba Hung.* 4(2):61-81. Ref. 1965. 71.8 H413

SOILS AND FERTILIZERS

SOIL SCIENCE

- 66928 KOHNKE, H. Soil science simplified. Ed. 3. West Lafayette, 1966. 78 p., map. \$591.K6
- 66929 MILLER, R. J., and DAVEY, C. B. An inexpensive multi-temperature water bath. Soil Sci. 101(5):418-419. May 1966. 56.8 So3
- 66930 WILDE, S. A. A new systematic terminology of forest humus layers. Soil Sci. 101(5):403-407. Ref. May 1966. 56.8 So3
- 66931 ZAITSEV, B. D. Pochvovedenie [Soil science]. Ed. 2. Moskva, Lesnaya Promyshlennost', 1965. 368 p. Ref. S591.Z3

Soil Physics

- 66932 AMARYAN, L. S., BAZIN, E. T., and LISHT-VAN, I. I. Studying swelling mechanism of weakly decomposed peats. (Rus) Pochvovedenie 4:24-29. Ref. Apr. 1966. 57.8 P34
English summary.
Caused by moisture.
- 66933 ANTONOV, G. Determination of moisture in skeletal soils. (Bu) Gorskostopanska Nauk. 1 (6):45-48. 1964. 99.8 G683
French summary.
- 66934 ARAD, A. Hydrogeochemistry of groundwater in central Israel. Int. Ass. Sci. Hydrol. Bull. 11(1):122-146, map. Ref. Mar. 1966. 292.9 As7
- 66935 AZOVTSSEV, V. I. The dynamics of water-soluble salts in chocolate soils (Transvolga Region, Soviet Union). (Rus) Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropen-veterinarmed. 3(1):45-58. Ref. 1965. 26 L53
English summary.
- 66936 BAHRANI, B. Pressure dependence of soil water matric potential. Diss. Abs. 26(10):5640. Apr. 1966. 241.8 M58
Use of tensiometer.
- 66937 BALA, W. Influence of soil type and soil moisture on the amount of resistance to ditching ploughs. (Ge) Landtech. Forsch. 16(1):1-6. 1966. 58.8 L2332
English summary.
- 66938 BEKEN, A. VAN DER, and HEYNDRIKX, G. A. The moisture characteristics, the hydraulic conductivity and the drainable porosity of an artificial sandy soil. (Fl) Ghent, Landbouwhogeschool. Mededel. 30(4):2093-2112. Ref. 1965. 105.1 G344
English summary.
- 66939 BJOR, K. The influence of the temperature gradient on the water movement in forest soils. (No) Norway. Skogforsoksv. Medd. 76:275-306. Ref. 1965. 99.9 N833
English summary.
- 66940 BOELTER, D. H. Hydrologic characteristics of organic soils in Lake States watersheds. J. Soil Water Conserv. 21(2):50-53. Ref. Mar./Apr. 1966. 56.8 J822
- 66941 BUBENZER, G. D., and JONES, B. A. Artificial rainfall is used to measure infiltration rates. Ill. Res. 8(1):14. Winter 1966. 100 IL64
Water applied with infiltrometer.
- 66942 BULGAKOV, D. S. Use of correlation theory elements in soil investigations. (Rus) Pochvovedenie 3:91-99. Ref. Mar. 1966. 57.8 P34
English summary.
To determine physical and agrochemical properties.
- 66943 BURWELL, R. E., ALLMARAS, R. R., and SLONEKER, L. L. Structural alteration of soil surfaces by tillage and rainfall. J. Soil Water Conserv. 21(2):61-63. Mar./Apr. 1966. 56.8 J822

- 66944 CHU, M. F. The physical characteristics of several layers of paddy soil aggregates in the Tai-hu Lake areas. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:7-21. Ref. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Teco
Translation from T'u Jang T'ung Pao 4:11-16. Aug. 1964.
Issued by CFSTI.
- 66945 CHURAEV, N. V. Kinetics of moisture evaporation from a slit model of a capillary-porous body. (Rus) Pochvovedenie 3:45-54. Ref. Mar. 1966. 57.8 P34
English summary.
- 66946 CLEMENT, C. R. A simple and reliable tension table. J. Soil Sci. 17(1):133-135. Mar. 1966. 56.8 J823
- 66947 COMBEAU, A. Seasonal variability of the structural stability of soils of the temperate regions. Comparison with tropical regions. (Fr) France. Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol. 3(2):123-138. 1965. 56.9 F84
- 66948 COUTINET, S., and DURAND, J. H. Methods of measuring the physical and mechanical characteristics of soils used by the Soils Service of the IRAT [Service de Pedologie de l'IRAT]. (Fr) Agron. Trop. [Paris] 20(12):1254-1261. Dec. 1965. 26 Ag86
English summary.
Institute for Tropical Agronomy and Food Plant Research [Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres].
- 66949 CURRIE, J. A. The volume and porosity of soil crumbs. J. Soil Sci. 17(1):24-35. Ref. Mar. 1966. 56.8 J823
- 66950 DAKSHINAMURTI, C. Good soil structure a must for intensive cultivation. Indian Farming 15(1):19, 40. Apr. 1965. 22 In283
- 66951 DAVIDSON, J. M. The dependence of soil water uptake and release upon the applied pressure increment. Diss. Abs. 26(10):5623-5624. Apr. 1966. 241.8 M58
- 66952 DOBYCHIN, V. P. The use of radioactive isotopes for field determination of the bulk density and moisture content of soils. 20 p. (OTS 62-32966) Transl. 15533
Translation from Mezhevuzovaya Konferentsiya po Ispytaniyam Sooruzhenii. Doklady 1958: 245-255.
Issued by CFSTI.
- 66953 DOW, A. I., and HALVORSON, A. R. The case for intensive soil sampling. Com. Fert. Plant Food Indus. 112(5):35-36. May 1966. 57.8 C73
- 66954 ERDEI, S. What is related to soil moisture. (Hu) Magyar Mezogazdasag 21(19):13-14. May 11, 1966. 19 M27
Introduction of a new tensiometer for soil moisture determination.
- 66955 FACEK, Z. Study of relations of some soil properties in soil dynamics. (Ge) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Rostlinna Vyroba (n.s.) 10(5/6):585-600. Ref. May/June 1964. 64.9 C33
Chiefly soil physics and biology.
- 66956 GORDON, M., HENSELER, K. L., and WICHMANN, H. Investigations on the effects of peat on soil moisture. (Ge) Torfnachrichten 16 (9/10):17-19. Sept./Oct. 1965. 57.8 T632
- 66957 GRAS, R. First results of a trial on the management of an orchard soil. I. Action on the physical properties of the soil. (Fr) Ann. Agron. 16(6):663-700. Ref. 1965. 14 F8499
English summary.
- 66958 GRUCIC, V., and FALLER, N. A contribution to the study of the dynamics of moisture of slightly humic pasture. (Se) Agrohemija 9:517-527. 1965. 385 Ag87

- 66959 GUSPAN, J. The effect of subsoiling on some changes of the physical properties of soils. (Cz) *Pol'nohospodarstvo* 12(2):101-106. 1966. 19.5 P752
English summary.
- 66960 HELBIG, W., and BEER, M. Soil density measurement with gamma rays. (Ge) *Arch. Landtech.* 5(2):183-203. Ref. 1965. 58.8 Ar22
English summary.
From radioactive colbalt.
- 66961 HENIN, S., and CONCARET, J. A property which determines the structural stability of soils: cohesion under moist conditions. (Fr) *Acad. Sci. Compt. Rend.* 261(14):2734-2737. Oct.4,1965. 505 P21
- 66962 HIDORE, J. Regional variation in natural water consumption in the conterminous United States. *J. Hydrol.* 4(1):79-90. Apr.1966. 292.8 J82
Evaporation, transpiration, and additions to ground water supply.
- 66963 HUTCHINSON, F. E., and ARNO, J. R. Soil percolation rates for selected soil series in the urban fringe areas of Bangor and Portland, Maine. *Maine. Agr. Exp. Sta. Misc. Publ.* 671, 22 p. Ref. Dec.1965. 100 M28S
U. S. Department of Agriculture, cooperating.
- 66964 HUTCHISON, B. A. A comparison of evaporation from snow and soil surfaces. *Int. Ass. Sci. Hydrol. Bull.* 11(1):34-42. Mar.1966. 292.9 As7
Colorado.
- 66965 INDELICATO, S. On the in situ determination of agricultural soil permeability to water. (It) *Tec. Agr.* 17(1):18-42. Ref., p.41-42. 1965. 16 T22
- 66966 KANDASWAMY, P., KOTHANDARAMAN, G. V., and MOSI, A. D. Studies on a catena in Coimbatore district. II. Physical properties. *Madras Agr. J.* 52(9):377-385. Ref. Sept.1965. 22 M262
- 66967 KERENSKI, S., NAUMOV, Z., and KRISTODOROV, V. Contribution to the study of the soil moisture regime. (Bu) *Gorskostopanska Nauk.* 2(4):317-327. 1965. 99.8 G683
English summary.
- 66968 KLOES, L. J. J. VAN DER. Bodemkundige aspecten van de teelt van enige tuinbouwgewassen [Pedological aspects of the culture of some horticultural crops]. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 665, 113 p. 1965. 105.2 V61V
English summary.
Bibliography, p.104-113.
Soil structure and management.
- 66969 KUTILEK, M., and SALINGEROVA, J. Flow of water in clay minerals as influenced by adsorbed quinolinium and pyridinium. *Soil Sci.* 101(5):385-389. Ref. May 1966. 56.8 So3
- 66970 LARSEN, S., and WIDDOWSON, A. E. Determination of soil moisture by electrical conductivity. *Soil Sci.* 101(5):420. May 1966. 56.8 So3
- 66971 MCINTOSH, J. Some aspects of soil sampling and testing. U. S. Agr. Stab. Conserv. [Rep. State ASCS Conf. Vermont] 1965:11-13. A281.9 V59
- 66972 MECH, S. J. Limitations of simulated rainfall as a research tool. *Amer. Soc. Agr. Eng. Trans.* ASAE 8(1):66,75. 1965. 290.9 Am32T
In study of infiltration and erosion.
- 66973 MISTRY, P. C., and CHATTERJEE, B. N. Infiltration capacities of soils in Ranchi. *J. Soil Water Conserv. India* 13(1/2):43-47. Ref. Jan./June 1965. 56.8 J824
- 66974 MONNIER, G., and KHEYRABI, D. Influence of structure of soils on their stability. (Fr) *Acad. Sci. Compt. Rend. Ser. D.* 262(4):485-487. Jan.24,1966. 505 P21
- 66975 MULDER, R. DE. The Pays de Saeftinge. (Fr) *Natur. Belg.* 46(10):462-473, map. Dec.1965. 410.9 N21
Includes soil structure and vegetation, Belgium.
- 66976 NIELSEN, D. R. Field observations of infiltration and soil water redistribution. *Amer. Soc. Agr. Eng. Pap.* 732, 35 p. Ref. 1965. 290.9 Am32P
- 66977 PANFILOV, V. P. Physical properties of main soil types of Novosibirsk Region. (Rus) *Akad. Nauk SSSR, Sibirsk. Otd. Biol. Inst. Tr.* 12:151-217. Ref. 1964. 442.9 Ak17
- 66978 POTAPOV, B. I. Dependence of maximum soil slip resistance upon moisture and compaction of soils. (Rus) *Pochvovedenie* 4:30-32. Apr. 1966. 57.8 P34
English summary.
- 66979 POUGET, M. Determination of moisture in samples of gypsum soils. (Fr) *France. Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol.* 3(2):139-148. 1965. 56.9 F84
- 66980 PRIFTI, L., and XHIXHO, J. Specific resistance of different types of soils. (Al) *Bul. Shkencave Bujquesore* 1:48-61. Ref. 1966. 21.5 B87
English summary.
Resistance to tillage.
- 66981 REDDI, G. H. S. Conserve moisture and use it efficiently. *Indian Farming* 15(4):24-27. July 1965. 22 In283
- 66982 REFEGA, A. Irrigation problems. II. The use of tensiometers. (Por) *Gaz. Agr. Angola* 11(3):888-892. Mar.1966. 24 G252
- 66983 REYNOLDS, E. R. C. The percolation of rain-water through soil demonstrated by fluorescent dyes. *J. Soil Sci.* 17(1):126-132. Mar.1966. 56.8 J823
- 66984 RUSSELL, E. W. The soil environment of gramineous crops. Nottingham. Univ. Easter Sch. Agr. Sci. Proc., 12th Easter Sch.:138-152. Ref. 1965, pub.1966. S217.E2
Literature review.
Physical properties and biology, chiefly.
- 66985 SALTER, P. J., BERRY, G., and WILLIAMS, J. B. The influence of texture on the moisture characteristics of soils. III. Quantitative relationships between particle size, composition, and available-water capacity. *J. Soil Sci.* 17(1):93-98. Ref. 56.8 J823
- 66986 SHEARER, R. C., MILLINGTON, R. J., and QUIRK, J. P. Oxygen diffusion through sands in relation to capillary hysteresis. I. Calibration of oxygen cathode for use in diffusion studies. *Soil Sci.* 101(5):361-365. Ref. May 1966. 56.8 So3
- 66987 SIEMENS, J. C., WEBER, J. A., and THORNBURN, T. H. Mechanics of soil as influenced by model tillage tools. *Amer. Soc. Agr. Eng. Trans.* ASAE 8(1):1-7. 1965. 290.9 Am32T
- 66988 SILVESTON, P. L. Economics of water conservation with monomolecular films. I. *Amer. Soc. Agr. Eng. Trans.* ASAE 8(1):127-134, 137, map. Ref. 1965. 290.9 Am32T
Study of evaporation and its control with fatty alcohols.
- 66989 SINE, L., and BENTZ, A. Measurement of the capillary conductivity of soils (low tension situation). II. (Fr) *Gembloux. Inst. Agron. Bull.* 33(3):441-454. 1965. 105.1 G285
- 66990 SOLOMCHENKO, N. YA., ANDREEV, L. N., and SERB-SERBINA, N. N. Study of structuration processes during reinforcement of clay soils with certain synthetic polymers. 9 p. Ref. (JPRS 29,474; TT 65-30672) Transl. 14951
Translation from *Kolloidnyi Zhurnal* 27(1):106-112. 1965.
CFSTI: \$1.00.
- 66991 SWOBODA, A. R., and KUNZE, G. W. Infrared techniques for studying the adsorption of volatile vapors by clays. *Soil Sci.* 101(5):373-377. May 1966. 56.8 So3
- 66992 TANAKA, T. A study on the use of power tillers on moist paddies. 5. Deformation and stress of the soil caused by the action of wheel lugs. 15 p. Transl. 15579
Translation from *Society of Agricultural Machinery, Japan, Journal* 20(4):142-146. n.d.

- 66993 TRUBETSKAYA, A. P. Water regime of Solonchetsky soils of Baraba area under various conditions of plowing. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:147-150. 1964. 442.9 Ak17
- 66994 TURBIN, V. Seasonal freezing of soils and drainage of land with too much moisture. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:69-74. Feb. 1966. 20 V633
English summary.
- 66995 UPPAL, H. L., and GULATI, A. D. Development of empirical relation for determining potential evapo-transpiration from climatological data. Irrig. Power 22(4):461-469. Oct. 1965. 55.9 In222C
India.
- 66996 VAN HYLCKAMA, T. E. A. Evaporation from vegetated and fallow soils. Water Resources Res. 2(1):99-103. Ref. First Q. 1966. 292.8 W295
- 66997 VIMPANY, I. A. An improved soil sampler. Agr. Gaz. New S. Wales 77(1):51-53. Jan. 1966. 23 N472
- 66998 WELCH, N. H., and others. Soil moisture record, Chickasha, Oklahoma, 1962 and 1963. Okla. Agr. Exp. Sta. Process. Ser. P-536, 18 p. May 1966. 100 Ok4M
W. R. Shockey, M. A. Hartman, E. W. C. Choy, and J. F. Stone, joint authors.
U. S. Department of Agriculture, cooperating.
- 66999 WIEBE, H. J. Determination of water content at low tensions in the topsoil of sandy soils. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(3):182-187. Dec. 1965. 384 Z343A
English summary, p. IX.
- 67000 ZALIVADNYI, B. S. A defect in taring technique of sorption moisture transducers. (Rus) Pochvovedenie 3:100-102. Mar. 1966. 57.8 P34
English summary.
- 67001 ZSOLDOS, L. Accumulation of electrolytes in garden soils. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):115-125. Ref. 1964, pub. 1965. 80 B85
English summary.
- Soil Chemistry and Mineralogy**
- 67002 ANJANEYULU, B. S. R., RAYCHAUDHURI, S. P., and KRISHNA MURTI, G. S. R. Clay mineralogy of some Indian soils growing tobacco. Nat. Inst. Sci. India. Proc. 21(1,pt.A):11-17. Ref. Jan. 1965. 513 N212
- 67003 ASLANOV, N. N. Humus, nitrogen and phosphorous contents in mechanical fractions of Sierozems. (Rus) Pochvovedenie 3:88-90. Mar. 1966. 57.8 P34
- 67004 AITTOE, O. J., and OLSON, R. A. Factors affecting rate of oxidation in soils of elemental sulfur and that added in rock phosphate-sulfur fusions. Soil Sci. 101(4):317-325. Apr. 1966. 56.8 So3
- 67005 BARBIER, G., BILAU, J., and BONIFACE, R. Contribution to the study of the influence of the pH on the mobility of phosphoric ions in the soil. (Fr) Ann. Agron. 16(6):603-623. Ref. 1965. 14 F8499
English summary.
- 67006 BASTISSE, E. M. Behavior of phosphoric, phosphorous, and hypophosphorous anions in the presence of soils and the colloidal elements contained in them. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(4):246-253. Feb. 16/23, 1966. 14 P215Bc
Includes discussion.
- 67007 BHATNAGAR, V. M. Cation-exchange properties of charcoal and soil with special reference to fixation and transference of ammonium ions. I. Rev. Roumaine Chim. 10(12):1231-1243. Ref. Dec. 1965. 385 R3222
- 67008 BUNDESVERSUCHSINSTITUT FUR KULTUR-TECHNIK UND TECHNISCHE BODENKUNDE. Vergleich von Eisenbestimmungsverfahren fur Boden und die Beziehungen der Fe-Werte zu einigen charakteristischen Bodenmerkmalen [Comparison of procedures for determining iron in soils and the relation of Fe value to some characteristic soil features], by W. Bachler and H. Hackl. Petzenkirchen, Austria, 1965. 7 p. S593.B8
- 67009 CHAMINADE, R. Study on the desorption, in function of the temperature of the ammonium ion fixed by clays. (Fr) Ann. Agron. 16(6):637-661. 1965. 14 F8499
English summary.
- 67010 CHOU, M. C. The trace-element molybdenum in agro-chemistry and soil chemistry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:27-44. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
In soils and in plant nutrition.
Translation from T'u Jang T'ung Pao 4:43-49. Aug. 1964.
Issued by CFSTI.
- 67011 COOKE, I. J. A kinetic approach to the description of soil phosphate status. J. Soil Sci. 17(1):56-64. Ref. Mar. 1966. 56.8 J823
- 67012 CORDER, G. D. Phosphorus in Kentucky soils; sources, fixation, release. Ky. Univ. Ext. Circ. 602, 10 p. June 1965. 275.29 K415
- 67013 COUTINET, S. Methods of analysis for use on saline, calcareous, and gypseous soils; water analysis. (Fr) Agron. Trop. [Paris] 20(12):1242-1253. Dec. 1965. 26 Ag86
English summary.
Irrigation water.
- 67014 FOGLIATA, F. A., and ASO, P. J. Effects of filter-press cake on the chemical and microbiological characteristics of soils planted with sugarcane; preliminary results. (Sp) Tucuman, Estac. Exp. Agr. Rev. Ind. Agr. Tucuman 42(2/3):37-61. Ref. May 1960/Dec. 1964. 9 T79
English summary.
- 67015 FRENEY, J. R., and STEVENSON, F. J. Organic sulfur transformations in soils. Soil Sci. 101(4):307-316. Ref. Apr. 1966. 56.8 So3
- 67016 FROLAND, A. Rapid method for the determination of nitrogen contents of forest nursery soil. (No) Arsskr. Norske Skogplantesk. 1965: 63,65-66. 1966. 99.9 N8122
- 67017 GALIANO, F., PONCE, L. Y., and ZAUSCHER, F. A. Evaluation of various chemical methods for determining the available phosphorus in rice soils. (Sp) Inst. Invest. Technol. Rev. 7 (34):28-42. Ref. Mar./Apr. 1965. 241.4 In73
Colombia.
- 67018 GRACIO, J. T. M. Can phosphorus fixation affect soil A or L values? (Por) Agron. Lusitana 26(1):71-81. 1964, pub. 1965. 105.7 Ag8
English summary.
- 67019 HARGITAI, L. Comparative analysis of Central European soils concerning the quality of humus. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):257-271. 1965. 80 B85
English summary.
- 67020 HARWARD, M. E., and REISENAUER, H. M. Reactions and movement of inorganic soil sulfur. Soil Sci. 101(4):326-335. Ref. Apr. 1966. 56.8 So3
- 67021 HERMAN, P. Geochemical research in relation to agriculture. (Fr) Rev. Agr. [Brussels] 19(1):55-65. Jan. 1966. 13 R322
Soil chemistry and foliar diagnosis.
- 67022 HOBBS, J. A., and BROWN, P. L. Effects of cropping and management on nitrogen and organic carbon contents of a western Kansas soil. Kans. Agr. Exp. Sta. Tech. Bull. 144, 37 p. Ref. Nov. 1935. 100 K135

- 67023 IMANGAZIEV, K. I., and AGISHEV, M. KH. Determination of the reserve of assimilable phosphates in soils using P^{32} phosphorus isotope. 14 p. Ref. (JPRS 29,457; TT 65-30663) Transl. 14958
Translation from Akademiya Nauk Kazakhskoi SSR. Vestnik 12:15-24. 1964.
CFSTI: \$1.00.
- 67024 JUSCAFRESA, B. Need for analyzing soils for crop fertilizing. (Sp) Cult. Mod. 49(1):7-8. Jan.1966. 15 C89
- 67025 JUSCAFRESA, B. Soil reaction and pH value. (Sp) Cult. Mod. 49(3):101-102. Mar.1966. 15 C89
- 67026 KAILA, A. Fixed ammonium in some Finnish soils. Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(1):49-58. Ref. 1966. 20 Su7M
- 67027 KAURICHEV, I. S., and NOZDRUNOVA, E. M. Role of components of water-soluble organic matter in the formation of complex iron-organic compounds. 5 p. (TT 65-50063) Transl. 14969
In soils.
Translation from Moskov. Ordena Lenina Sel'skokhozyaistvennaya Akademiya imeni K. A. Timiryazeva. Doklady 52:65-70. 1960.
CFSTI: \$1.00.
- 67028 KEENEY, D. R. Identification and estimation of readily mineralizable nitrogen in soils. Diss. Abs. 26(10):5624-5625. Apr.1966. 241.8 M58
Chemical methods.
- 67029 KLETT, M., and KOEPF, H. The influence of soil and soil use on the nitrate nitrogen content of natural running waters. (Ge) Z. Pflanzenernahr. Dungung, Bodenk. 111(3):188-197. Ref. Dec.1965. 384 Z343A
English summary, p.IX.
- 67030 KOTHANDARAMAN, G. V., and MARIKULAN-DAI, A. Change in pH, exchangeable calcium and available P_2O_5 due to liming of acid soils of Nanjanad in the Nilgiris district. Madras Agr. J. 52(4):183-185. Apr.1965. 22 M262
- 67031 LANE, W. B., and SARTOR, J. D. Exchangeable calcium content of United States soils. Soil Sci. 101(5):390-391, map. May 1966. 56.8 So3
- 67032 LANZANI, G. A., and others. Action of chelating substances on the solubilization of phosphorus in soils. I. (It) Agrochimica 10(1):32-38. Ref. Dec.1965. 385 Ag84
A. Marchesini, P. Sequi, and A. Salvemini, joint authors.
English summary.
- 67033 LARSEN, S. Atomic energy and agriculture elucidated through investigation of phosphorus in soils. (Da) Tidsskr. Landokon. 4:202-211. Apr.1966. 11 T43
- 67034 LARSEN, S. The solubility of phosphate in a calcareous soil. J. Soil Sci. 17(1):121-126. Ref. Mar.1966. 56.8 J823
- 67035 LEVASHKEVICH, G. A. Interaction of humus acids with hydroxides. (Rus) Pochvovedenie 4: 58-65. Ref. Apr.1966. 57.8 P34
English summary.
In soils.
- 67036 LIN, K. H. Some successes in the application of chelates in pedology and agro-chemistry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:10-21. June 30, 1965. (JPRS 30,869; TT 65-31395) 173 J663Tcco
Chelates in soils and plant physiology.
Translation from T'u Jang T'ung Pao 3:41-44. June 1964.
Issued by CFSTI.
- 67037 LIU, T. C. Determination of phosphates by means of flame photometry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:22-29. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Tcco
In soils.
Translation from T'u Jang T'ung Pao 3:53-55. June 1964.
Issued by CFSTI.
- 67038 MAL, M. Y. A preliminary study of nitrogen changes of rice paddy soils in arid and non-arid fields. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192: 30-36. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Tcco
Translation from T'u Jang T'ung Pao 3:57-58. June 1964.
Issued by CFSTI.
- 67039 MAL'GIN, M. A. Distribution of mobile manganese in soils of Gorno-Altai area. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:67-80, map. 1964. 442.9 Ak17
- 67040 MAL'TSEV, V. T. Dynamics of nitrogen substances in soddy-podzolic soils. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:124-125. Feb. 1966. 20 V633
Ammonia and nitrates.
In connection with rotation of crops.
- 67041 MARANO, B. The Fucino Basin; chemical-agricultural sampling of the soil. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:47-71, map. 1964/65. 105.4 P83
English summary.
- 67042 MESHCHERYAKOV, A. M. Determination of total nitrogen and phosphorus in decomposition of soil by sulfuric and perchloric acids. (Rus) Tadzh. S.-kh. In-t. Tr. 6:57-71. 1964. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.G):26. Oct.1965. 241.64 R252
- 67043 MESHCHERYAKOV, A. M. Trilonometric determination of calcium, magnesium, and sulfate in water and soil extracts. (Rus) Tadzh. S.-Kh. In-t. Tr. 6:48-56. 1964. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.E):59. Oct.1965. 241.64 R252
- 67044 MILLER, J. R. Don't gamble; test your soil! Hoard's Dairyman 111(9):572,620. May 10, 1966. 44.8 H65
- 67045 MOORE, A. W. Non-symbiotic nitrogen fixation in soil and soil-plant systems. Soils. Fert. 29(2):113-128. Ref., p.125-128. Apr.1966. 241 Im7Sf
Literature review.
- 67046 MORRISON, R. L., and BICK, W. Long-chain methyl ketones in soils. Chem. Indus. 14:596-597. Ref. Apr.2, 1966. 382 M31C
- 67047 NEARPASS, D. C. Effects of soil acidity on the adsorption, penetration, and persistence of Simazine. Weeds 13(4):341-346. Ref. Oct. 1965. 79.8 W41
- 67048 NEWMAN, A. C. D., and OLIVER, S. Isotopic exchange of fixed ammonium. J. Soil Sci. 17(1):159-174. Ref. Mar.1966. 56.8 J823
- 67049 NYE, P. H. The measurement and mechanism of ion diffusion in soil. I. The relation between self-diffusion and bulk diffusion. J. Soil Sci. 17(1):16-23. Ref. Mar.1966. 56.8 J823
- 67050 OBENSHAIN, S. S., PORTER, H. C., and RICH, C. I. Chemical, physical and clay mineralogical properties of Montgomery County, Virginia soils. Va. Agr. Exp. Sta. Res. Rep. 105,87 p. Mar.1966. 100 V81R
- 67051 OTOWA, M., and KOYAMA, M. Iron dissolving action of rice straw leachate. 15 p. Ref. Transl. 14776
Translation from Journal of the Science of Soil and Manure, Japan 33(6):307-310. 1962.
- 67052 PAGE-SHIPPI, R. J., and ROSSOUW, A. J. The development of a direct-reading emission spectrographic method for tin in geochemical soil samples. S. Afr. Indus. Chem. 20(2):28-30. Feb.1966. 385 So8
- 67053 PANIN, P. S. Accumulation of sodium carbonate in underground water. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:129-139. 1964. 442.9 Ak17
In relation to saltiness of soils.
- 67054 PASZYC-STEPKOWSKA, E. Flame photometric determination of soil exchangeable ions. 14 p. (OTS 61-31303) Transl. 14990
Translation from Rozprawy Hydrotechniczne 5:91-106. 1959.

- 67055 POCHVENNYI INSTITUT IMENI V. V. DOKU-CHAEVA. *Agrokhimicheskie metody issledovaniya pochv* [Agrochemical methods in study of soils]. Ed. 4, rev. and enl. Moskva, Nauka, 1965. 436 p. Ref. S593.P6
- 67056 POSNER, A. M. The humic acids extracted by various reagents from a soil. I. *J. Soil Sci.* 17 (1):65-78. Ref. Mar.1966. 56.8 J823
- 67057 PREMANATHAN, S., and DURAIRAJ, D. J. Study of the alluvial soils of Madras State. II. Chemical properties. *Madras Agr. J.* 53(2): 49-54. Ref. Feb.1966. 22 M262
- 67058 PROKHOROV, V. M., and FRID, A. S. Effect of humus on strontium-90 diffusion rate in quartz sand. (Rus) *Pochvovedenie* 3:68-70. Ref. Mar.1966. 57.8 P34
- 67059 RAMAN, K. V., and JACKSON, M. L. Mica cleavage morphology changes during potassium release and fixation. *Indian Soc. Soil Sci. J.* 13(2):63-69. Ref. June 1965. 56.9 In2
- 67060 RICHARD, M., and GOUNY, P. Soil salinity test. (Fr) *Ann. Agron.* 16(6):625-635. 1965. 14 F8499
English summary.
- 67061 ROCASOLANO, C. Recognition and determination of pH. (Sp) *Cult. Mod.* 48(10):377. Oct. 1965. 15 C89
In soils.
- 67062 ROTINI, O. T., and GALOPPINI, C. Spectrophotometric determination of cyanamide in soils and plants. (It) *Agrochimica* 10(1):9-17. Dec.1965. 385 Ag84
English summary.
- 67063 ROV, K. S. Why soil testing. *Indian Farming* 15(12):30. Mar.1966. 22 In283
- 67064 RUBTSOV, D. M. Distribution of thorium in some soils. (Rus) *Pochvovedenie* 3:55-67. Ref. Mar.1966. 57.8 P34
- 67065 RYABOVA, T. N. Effect of volume of precipitation on salt content in Solonetz soils plowed without moldboards in the Baraba area. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:123-128. 1964. 442.9 Ak17
- 67066 SEGALEN, P. Aluminium in soils of the humid tropical zones. (Fr) *France Office. Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol.* 3(2):149-176. Ref. 1965. 56.9 F84
- 67067 SELYAKOV, S. N. Some regularities in accumulation of salts in soils of Kulunda Steppe. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:117-122. Ref. 1964. 442.9 Ak17
- 67068 SHUSHUEVA, M. G. Humus composition of basic soils of subtaiga and southern taiga zone in western part of Siberian lowland. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:81-92. 1964. 442.9 Ak17
- 67069 SINGER, A. The mineralogy of the clay fraction from basaltic soils in the Galilee, Israel. *J. Soil Sci.* 17(1):136-147, map. Ref. Mar. 1966. 56.8 J823
- 67070 SINGH, R. N. The fate and distribution of phosphate applied to Davidson clay loam. *Diss. Abs.* 26(10):5635. Apr. 1966. 241.8 M58
- 67071 SIUTA, J. Preliminary investigations on the participation of soil organic matter in the sorption of exchange cations. 10 p. (OTS 61-11348) *Transl.* 14993
Translation from *Roczniki Gleboznawcze* 9(2): 57-66. 1960.
CFSTI \$.50
- 67072 SNERA. Nitrogen content and dynamics of soil. (Ge) *Lebendige Erde* 6:244-248. (Cont.) Nov./Dec.1965. 18 L49
- 67073 STEVENSON, F. J. Lipids in soil. *Amer. Oil Chem. Soc. J.* 43(4):203-210. Ref. Apr.1966. 307.8 J82
- 67074 TABATABAI, M. A. Potassium availability to plants in aggregates from different Iowa soils. *Diss. Abs.* 26(10):5625. Apr. 1966. 241.8 M58
- 67075 TALIBUDEEN, O., and YAMADA, Y. Total - potassium in soils by radioactivity measurements. *J. Soil Sci.* 17(1):107-120. Ref. Mar.1966. 56.8 J823
- 67076 TSVETKOVA, S. D. Effects of Simazine and Atrazine on agrochemical properties of soil. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2: 125-127. Feb.1966. 20 V633
- 67077 VAKULIN, A. A., and MOKIENKO, V. F. Content of minor elements in the lower Volga sands. (Rus) *Pochvovedenie* 4:66-74. Apr.1966. 57.8 P34
English summary.
- 67078 VAZHENIN, I. G. The organization of agrochemical service in agriculture. 23 p. Ref. (JPRS 27,950; TT 64-51988) *Transl.* 14728
Creation of laboratories for soil analysis and compilation of agrochemical maps.
Translation from *Agrokhimiya* 5:3-16. 1964.
CFSTI: \$1.00.
- 67079 VEZINA, P. E. Methods of pH determination and seasonal pH fluctuations in Quebec forest humus. *Ecology* 46(5):752-755. Ref. Late summer 1965. 410 Ec7
- 67080 VLASSAK, K. K. The breakdown of proteins in the soil. (Fl) *Agricultura [Louvain] (ser.2)* 14(1):49-65. Mar.1966. 13 R32
English summary.
- 67081 WANG, H. K. On using the EDTA titration method to determine the water soluble sulfate radicals of soils. U. S. Joint Publ. Res. Serv. *Transl. Communist China's Sci. Technol.* 171: 22-26. Apr.16,1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Translation from *T'u Jang T'ung Pao* 4:35-36. Aug.1964.
Issued by CFSTI.
- 67082 WHITEHOUSE, M. J. Soil testing for phosphorus needs of wheat. *Queensland Agr. J.* 92(3): 183-185. Mar.1966. 23 Q33
- 67083 YAMAZAKI, T., and YOSHIZAWA, T. Speckles and concretions of ferrous carbonate (FeCO₃) in paddy soils. 1. 30 p. Ref. *Transl.* 15830
Translation from *Hokuriku Agricultural Experiment Station. Bulletin, No. 2. n. d.*
- 67084 YARILOVA, E. A., and PARFENOVA, E. I. Newly formed clay minerals in soils. 16 p. Ref. (OTS 63-11080) *Transl.* 14336
Translation from *Pochvovedenie* 9:37-48. 1957.
CFSTI: \$.50.

SOIL MANAGEMENT

- 67085 APPEL, A. Organic gardening in a nation with a small backyard. *Org. Gard. Farming* 13(5): 58-62. May 1966. 57.8 Or32
Israel.
- 67086 BINGHAM, M. Not miracles—just progress. *Org. Gard. Farming* 13(5):40-44. May 1966. 57.8 Or32
Organic farming.
- 67087 BRAKENSIEK, D. L., HEATH, A. L., and COMER, G. H. Numerical techniques for small watershed flood routing. U. S. Agr. Res. Serv. *ARS-41-113,41 p.* Feb.1966. A56.9 R31
Use of computers.
- 67088 CONFERENCE ON MODERN METHODS OF IMPROVEMENT AND UTILIZATION OF ALKALI SOILS, SZEGED, 1965. [Papers]. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. *Kozlemenyei* 25(1/2):143-225, map. 1966. 19 B855
Contributors: I. Szabolcs, I. Land, K. Darab, I. Harmati, I. Abraham, J. Bocskai, D. Gratzl, and Mrs. Gy. Latkovits.
Includes discussion.
- 67089 ELLIS, W. H., and GRAY, D. M. Interrelationships between the peak instantaneous and average daily discharges of small prairie streams. *Can. Agr. Eng.* 8(1):1-3, map. Jan. 1966. 58.8 C164
Watersheds in Canada.

- 67090 FULLER, W. H. Water, soil and crop management principles for the control of salts. *Ariz. Univ. Ext. Bull.* A-43,22 p. Ref. Nov.1965. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 67091 HEARD, W. L. River basin districts plan for water management in Mississippi. *Soil Conserv. 31(10)*:225-226, map. May 1966. 1.6 So3S
Watershed management.
- 67092 HEINZE, H. Biological-dynamic principle. (Ge) *Lebendige Erde* 3:105-110. May/June 1965. 18 L49
- 67093 HULL, G. W., and WALLER, R. Man's industrial dispute with nature. *Mother Earth* 14(2): 121-128. Apr.1966. 56.8 M85
Chiefly on the biological aspects of soil management.
- 67094 LACZKO, I. Soil protecting melioration in the comitat of Borsod from management and national economy aspect. (Hu) *Gazdalkodas* 10 (2):41-53. Apr.1966. 281.8 G25
Costs of various management methods.
- 67095 MILLER, C. R. Advances in sedimentation relevant to watershed problems. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):146-152. Ref., p.151-152. 1965. 290.9 Am32T
- 67096 OBREJANU, G., and MAIANU, A. Some problems of ameliorative pedology in the R.P.R. and the present stage of relevant research work. (Rum) *Probl. Agr. [Bucharest]* 17(6): 4-9. June 1965. 21 R862
- 67097 SASSER, J. R. Welfare benefits in the Johnson Creek watershed. *J. Soil Water Conserv.* 21(2): 44-45. Mar./Apr.1966. 56.8 J822
Includes rural community development.
- 67098 SENFFT, H. J. FREIHERR VON. Tasks and importance of agriculture in the technical-chemical period. 7. (Ge) *Lebendige Erde* 3:96-102. May/June 1965. 18 L49
Organic farming.
- 67099 SHARP, A. L., GIBBS, A. E., and OWEN, W. J. Development of a procedure for estimating the effects of land and watershed treatment on streamflow. *U. S. D. A. Tech. Bull.* 1352,57 p., map. Mar.1966. 1 Ag84Te
U. S. Department of the Interior, cooperating.
- 67100 SOWELL, W. F. Soils and soil fertility. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:22-23. 275.29 AL1Su
Soil management and extension programs.
- 67101 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Watershed work begins on the farm. *U. S. D. A. PA-689*, 6 p.-folder. Mar.1966. 1 Ag84Pro
- 67102 WILLIAMS, D. A. Model for rural development. *Soil Conserv. 31(10)*:239. May 1966. 1.6 So3S
Watershed projects.
- 67103 WOODS, L. G. Increasing watershed yield through management. *J. Soil Water Conserv.* 21(3):95-97. May/June 1966. 56.8 J822
- Soil Genesis, Formation, Classification, and Mapping**
- 67104 ABDULGHANI, S. A. Relations between photo-interpretation and soil survey in Texel island. *ITC (Int. Training Centre Aerial Serv.) Publ., Ser. B*, 29,36 p. Ref., p.34-35. Summer 1965. 325.29 In82
- 67105 ANDRONIKOV, V., and KARMANOV, I. Soil classification. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:115-120. Feb.1966. 20 V633
English summary.
- 67106 ARSHAD, M. A., and PAWLUK, S. Characteristics of some solonchaks soils in the glacial Lake Edmonton basin of Alberta. I-II. *J. Soil. Sci.* 17(1):36-55, map. Ref. Mar.1966. 56.8 J823
- 67107 BAJRAKTARI, F., and LEKA, I. Lands of the Kakarriqi swamp. (Al) *Bul. Shkencave Buj-quesore* 1:3-23. 1966. 21.5 B87
English summary.
Formed by floods, description of their soils and drainage.
- 67108 BALL, D. F. Brown podzolic soils and their status in Britain. *J. Soil Sci.* 17(1):148-158. Ref. Mar.1966. 56.8 J823
- 67109 BALSTER, C. A., and PARSONS, R. B. A soil-geomorphic study in the Oregon Coast Range. *Oreg. Agr. Exp. Sta. Tech. Bull.* 89,30 p., map. Ref. Feb.1966. 100 Or3S
- 67110 BEINROTH, F. H. A note on gilgai relief. (Ge) *Z. Pflanzenernahr. Dungung, Bodenk.* 111 (3):221-227. Ref. Dec.1965. 384 Z343A
English summary, p.XI.
Sudan.
- 67111 CATACOUSINOS, D. S. Formation properties and nutrient content of Greek soils. *Int. Superphosphate Manufacturers Ass. Agr. Comm. Bull. Doc.* 43:9-17. Feb.1966. 241 In832
Text also in French.
- 67112 CHERTOV, O. G. Humus profile type characteristics of Leningrad Region podzolic soils. (Rus) *Pochvovedenie* 3:26-37. Ref. Mar.1966. 57.8 P34
English summary.
- 67113 COLMET-DAAGE, F., and LAGACHE, P. Characteristics of some soil groups developed from volcanic rocks in the French Antilles. (Fr) *France. Office Rech. Sci. Tech. Outre-Mer. Cah. O.R.S.T.O.M. Pedol.* 3(2):91-121. 1965. 56.9 F84
- 67114 COTTON, J. A. Soil survey of Fayette County, Alabama. *U. S. Soil Conserv. Serv. Soil Surv. Ser.* 1962(4), 117 p., map. Ref. Nov.1965. 1 So32F
Alabama Department of Agriculture and Industries, and Alabama Agricultural Experiment Station, cooperating.
- 67115 CRAFT, R. W., and others. Soil survey of Marlboro County, South Carolina. *U. S. Soil Conserv. Serv. Soil Surv. Ser.* 1962(7), 109 p., map. Ref. Nov.1965. 1 So32F
W. L. Colburn, F. L. Green, C. B. Lawrence, J. J. Pitts, T. R. Gerald, and W. J. Camp, joint authors.
South Carolina Agricultural Experiment Station, cooperating.
- 67116 DEFFONTAINES, J. P. Method of observing soil profile. (Fr) *Rev. Agr. France* 43:11-13. Aug./Sept.1965. 14 R326
- 67117 DIJKERMAN, J. C. Properties and genesis of textural subsoil lamellae. *Diss. Abs.* 26(10): 5641. Apr.1966. 241.8 M58
- 67118 DITTEMORE, W. H., and others. Soil survey of Gaines County, Texas. *U. S. Soil Conserv. Serv. Soil Surv. Ser.* 1961(34), 55 p., map. June 1965. 1 So32F
C. May, W. L. De Lozier, D. L. McClennon, and H. W. Hyde, joint authors.
Texas Agricultural Experiment Station, cooperating.
- 67119 DURAND, J. H. Soil mapping for agricultural purposes: usable techniques for mapping for reclamation. (Fr) *Agron. Trop. [Paris]* 20(12): 1270-1283. Dec.1965. 26 Ag86
English summary.
- 67120 DURAND, J. H. Soil study of the Boghe Plain (Islam Republic of Mauritania). (Fr) *Agron. Trop. [Paris]* 20(12):1284-1316, map. Dec.1965. 26 Ag86
Soil types and mapping.
- 67121 FERNANDES, J. F. Study of soils. 4. Soil classification. (Por) *Gaz. Agr. [Lourenco Marques]* 17(197):290-292. Oct.1965. 24 G25
- 67122 GADZHIEV, I. M. Genesis of secondary-podzolic soils in the Vasyugan area. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:5-16. Ref. 1964. 442.9 Ak17

- 67123 GASANOV, B. I. Genesis of meadow-cinnamonic soils in Azerbaidjan. (Rus) Pochvovedenie 4:14-23. Ref. Apr.1966. 57.8 P34
English summary.
- 67124 GAUCHER, G. Soil science on the road to Damascus. (Fr) Rev. Agr. France 40:4-6. May 1965. 14 R326
Soil classification and soil science and agriculture.
- 67125 GEBHARDT, H., MEYER, B., and SCHEFFER, F. Cation relationships and sediment structure of recent mud sediments in the River Ems estuary. (Ge) Z. Pflanzenernähr. Dungung, Bodenk. 111(3):168-181, map. Ref. Dec.1965. 384 Z343A
English summary, p.VIII.
Soil development.
- 67126 GENEZIS pochv Zapadnoi Sibiri [Genesis of soils of western Siberia]. Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:217 p., map. Ref. 1964. 442.9 Ak17
- 67127 GERASIMOV, I. P. Soil world map and scientific problems connected with it. (Rus) Pochvovedenie 4:1-14. Ref. Apr.1966. 57.8 P34
- 67128 GHOSE, B. The genesis of the desert plains in the central Luni Basin of Western Rajasthan. Indian Soc. Soil Sci. J. 13(2):123-126, map. Ref. June 1965. 56.9 In2
- 67129 GILE, L. H., PETERSON, F. F., and GROSSMAN, R. B. Morphological and genetic sequences of carbonate accumulation in desert soils. Soil Sci. 101(5):347-360. Ref. May 1966. 56.8 So3
New Mexico.
- 67130 HALL, G. F. Geomorphology and soils of the Iowan-Kansan border area, Tama County, Iowa. Diss. Abs. 26(10):5624. Apr.1966. 241.8 M58
- 67131 HANSON, L. D., and others. Soils of the Twin Cities Metropolitan area and their relation to urban development. Minn. Univ. Ext. Ext. Bull. 320, 40 p., map. Ref. Feb.1966. 275.29 M66S
C. D. Springer, R. S. Farnham, A. S. Robertson, and E. R. Allred, joint authors.
Twin Cities Metropolitan Planning Commission, cooperating.
- 67132 KHMELEV, V. A. Peculiarities of soils in the basin of River Ishim. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:40-56. Ref. 1964. 442.9 Ak17
Description of types.
- 67133 KIZYAKOV, YU. E. Organic matter of meadow-Solonchak, meadow-Chernozem, and meadow-Chestnut soils of Great Kabarda. (Rus) Pochvovedenie 3:81-87. Mar.1966. 57.8 P34
- 67134 KOVACEVIC, P. Classification of karst in Yugoslavia. J. Soil Water Conserv. 21(2):67-68. Mar./Apr.1966. 56.8 J822
- 67135 KOVALIN'SKI, S. Problem of the new soil classification in Europe. (Rus) Pochvovedenie 3:37-41. Ref. Mar.1966. 57.8 P34
- 67136 MALIK, M. N. Profile characteristics of Ghoragali forest soils. Pakistan J. Forest. 61(1):52-59. Jan.1966. 99.8 P17
- 67137 MANICKAM, T. S. Study of the profile morphology and physico-chemical properties of Nilgiri soils. Madras Agr. J. 52(7):297-310. Ref. July 1965. 22 M262
- 67138 MAYKO, R. W., and others. Soil survey of the Prineville area, Oregon. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1955(12), 89 p., map. Ref. Feb.1966. 1 So32F
G. K. Smith, H. Biggerstaff, and E. Dull, joint authors.
Oregon Agricultural Experiment Station, cooperating.
- 67139 MENSAH-ANSAH, J. A. Soils of Afife State Farm. Ghana Acad. Sci. Soil Res. Inst. Tech. Rep. 66, 31 p., map. 1965. 56.9 G56T
- 67140 MUNAUT, A. V. A type of soil rarely observed in Belgium: Hydromorphic humic Podzol developed under forest. (Fr) Agricultura [Louvain] (ser.2)14(1):105-109. Mar.1966. 13 R32
English summary.
- 67141 NAKAIDZE, E. K. Study of Chestnut-forest soils of Georgian SSR formed on quartziferous albitophyres. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 39(1):159-166. Ref. July 1965. 511 Ak146
- 67142 ORENSKI, S. W., BYSTRICKY, V., and MARA-MOROSCH, K. "Polyspheroids" from American soils. Nature [London] 210(5032):221. Apr.9, 1966. 472 N21
- 67143 POCHVENNYI INSTITUT IMENI V. V. DOKUCHAEVA. Agrochimicheskaya kharakteristika pochv SSSR; republiki Zakaukaz'ya [Agrochemical characteristics of USSR soils; Transcaucasian republics], v. 5. Moskva, Nauka, 1965. 320 p., map. Ref. S599.U4P6
- 67144 POLYNOV, B. B. Leading ideas in the present-day theory of soil formation and soil development. 12 p. Ref. (TT 65-50057)
Transl. 14978
Translation from Pochvovedenie 1:3-13. 1948.
CFSTI: \$1.00.
- 67145 PONS, L. J. De bodemkartering van het Land van Maas en Waal en een gedeelte van het Rijk van Nijmegen. A soil survey of the Land van Maas en Waal and a part of the Rijk van Nijmegen. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 646, 129 p., map. 1966. 105.2 V61V
English summary.
- 67146 RAESIDE, J. D. Soils and related irrigation problems of part of Maniototo Plains, Otago. New Zeal. Dep. Sci. Indus. Res. Soil. Bur. Bull. 23, 68 p., map. Ref. 1966. 56.9 N483
- 67147 RAGIM-ZADE, F. K. Mountain meadow-steppe soils of the Gorno-Altai and Lesser Caucasus area. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:30-39. Ref. 1964. 442.9 Ak17
Profiles.
- 67148 RAJAN, S. V. G. Know your soil before you treat it. Indian Farming 15(8):24-25. Nov. 1965. 22 In283
Soil surveys and tests.
- 67149 RAJAN, S. V. G. Surveys and rational land use. Indian Farming 15(1):25-27, 29. Apr.1965. 22 In283
Soil surveys.
- 67150 RAMUNNI, A., and NENNA, G. Observations on the clayey-calcareous soil formations of the Province of Catanzaro. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:35-46. Ref. 1964/65. 105.4 P83
English summary.
- 67151 RANFT, H. Investigations on morphology and chemical composition of humus layers in the forest regions of the Saxon Ore Mountains, in relation to sites and structure of stands. (Ge) Arch. Forstwesen 15(1):71-83. Ref. 1966. 99.8 Ar22
English summary.
- 67152 RAO, A. K., and SASTRY, V. V. K. Pochampad project soils; (rapid reconnaissance soil survey report). Andhra Agr. J. 12(6):214-219, map. 1965. 34.2 An4
Includes types; irrigation project.
- 67153 RAYNER, J. H. Classification of soils by numerical methods. J. Soil Sci. 17(1):79-92. Mar.1966. 56.8 J823
- 67154 RELYEA, A. San Luis Valley soils. Crop Comments 20(2):6. Mar./Apr.1966. 57.8 C88
- 67155 RENNIE, P. J. The use of micropedology in study of some Ontario podzolic profiles. J. Soil Sci. 17(1):99-106. Ref. Mar.1966. 56.8 J823
- 67156 ROBERT, M. On the nature of weathering, sanding and chemical changes; experimental study. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1519-1522. Apr.14, 1966. 505 P21

- 67157 RODE, A. A. Some problems of soil genesis in V. V. Ponomareva works. (Rus) Pochvovedenie 4:76-85. Ref. Apr.1966. 57.8 P34
- 67158 ROSOV, N. N., and others. Soil-geographical and farming zones in the USSR. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 3:55-72, map. Mar.1966. 20 V633
S. I. Dolgov, I. G. Vazhenin, G. V. Dobrovolskii, and P. A. Letunov, joint authors.
English summary.
- 67159 ROZOV, N. N. Review of "Principles of regional soil subdivision for the purpose of development of the rural economy," by Y. C. Ma and C. W. Wen. 17 p., map. (JPRS 9576)
Transl. 14407
China.
Translation from Pochvovedenie 9:118-123. 1959.
Issued by CFSTI.
- 67160 SEO, H., IKEDA, K., and SASAKI, T. Shiribeshikuni dosei chosa hokoku. Soil survey report of the Shiribeshi-Province, Hokkaido. 1. Hokkaido Nat. Agr. Exp. Sta. Soil Surv. Rep. 16, 174 p., map. Dec.1965. 56.9 H68
- 67161 SHUKLA, S. S., RAYCHAUDHURI, S. P., and ANJANEYULU, B. S. R. Studies of some foot hill soils of Himalayas. Indian Soc. Soil Sci. J. 13(2):115-122. June 1965. 56.9 In2
- 67162 SHUVALOV, S. A. Geographical and genetical features of desert-steppe and desert soil formation on the territory of the USSR. (Rus) Pochvovedenie 3:1-13. Ref. Mar.1966. 57.8 P34
English summary.
- 67163 SINHA, S. D., JHA, P. P., and SINGH, M. P. Studies on heavy textured soils of South Bihar developed on alluvial sediments. Indian Soc. Soil Sci. J. 13(2):85-94. Ref. June 1965. 56.9 In2
- 67164 SLAGER, S. Morphological studies of some cultivated soils. Wageningen, Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 670, 111 p., map. Ref., p.105-107. 1966. 105.2 V61V
Includes soil surveys and classification.
- 67165 SOMBROEK, W. G. Amazon soils; a reconnaissance of the soils of the Brazilian Amazon Region. Wageningen, Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 672, 292 p., map. 1966. 105.2 V61V
Bibliography, p.267-273.
- 67166 STEVENS, M. E. Soil surveys as applied to recreation site planning. J. Forest. 64(5):314-316. May 1966. 99.8 F768
- 67167 TAMAKI, T., and UMEDA, Y. Studies on reservoir deposits. XVI. Iron contents of core samples in Shin reservoir. (Ja) Kagawa Univ. Fac. Agr. Tech. Bull. 16(2):127-129. Mar.1965. 107.6 K113
English summary.
- 67168 VAN DER VOET, D. Frontier Survey seeks new areas for settlement in Brazil. Soil Conserv. 31(9):196, 206. Apr.1966. 1.6 So3S
Soil classification survey by Soil Conservation Service participating in Frontier Resources Survey Project of Brazil.
- 67169 VOLKOVINTSER, V. I. Peculiarities of soil formation in steppe basins of southwestern Altai. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:17-29. Ref. 1964. 442.9 Ak17
- 67170 VOLOBUEZ, V. R. The soil zones of Eurasia. 8 p., map. Ref. (TT 65-50058) Transl. 14981
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 4:542-549. 1960.
CFSTI: \$1.00.
- 67171 WASCHER, H., and REHNER, R. Soil associations of Jo Daviess County, Illinois. Ill. Univ. Ext. Circ. 927, 24 p., map. Feb.1966. 275.29 IL62C
- 67172 WERTZ, W. A. Interpretation of soil surveys for wildlife management. Amer. Midland Natur. 75(1):221-231, map. Jan.1966. 410 M58
In Wisconsin.
- 67173 WILFORD, G. E., and WALL, J. R. D. Karst topography in Sarawak. J. Trop. Geogr. 21: 44-70, map. Ref. Dec.1965. 331.8 M29
Limestone formation.
- Soil-Plant-Animal Relationships
- 67174 ALLAWAY, W. H., and THOMPSON, J. F. Sulfur in the nutrition of plants and animals. Soil Sci. 101(4):240-247. Ref. Apr.1966. 56.8 So3
Soil-plant-animal relations.
- 67175 HOPKINS, H. T., STEVENSON, E. H., and HARRIS, P. L. Soil factors and food composition. Amer. J. Clin. Nutr. 18(5):390-395. Ref. May 1966. 389.9 J824
Literature review.
- 67176 SMITH, G. E. Many gremlins not just one contribute to nitrate build-up. Fert. Solutions 10 (3):6-8, 10, 12, map. May/June 1966. 57.8 So4
Soil-plant-animal relations.
- Soil Biology
- 67177 AKADEMIYA NAUK SSSR. INSTITUT MIKROBIOLOGII. Mikroflora pochv yuzhnoi chasti SSSR [Microflora of soils in the southern part of USSR]. Moskva, Nauka, 1966. 262 p. Ref. QR111.A3
- 67178 ALIEV, S. A. Seasonal phases of biological processes in soils of Azerbaidjan SSR. (Rus) Pochvovedenie 3:71-81. Mar.1966. 57.8 P34
English summary.
- 67179 ANDERSON, G. R. Identification of Beijerinckia from Pacific Northwest soils. J. Bacteriol. 91(5):2105-2106. May 1966. 448.3 J82
- 67180 BALAKRISHNAN, E. M., and MARIKULANDAI, A. Factors influencing nitrification in soils. Madras Agr. J. 52(5):217-225. Ref. May 1965. 22 M262
Effects of phosphorus and different forms of nitrogen.
- 67181 BERNARD, V. V., and GELLER, I. T. The effect of gamma-rays on some groups of soil microflora. 15 p. Ref. (OTS 63-26958) Transl. 15344
Translation from Agrobiologiya 4:610-616. 1962.
CFSTI: \$0.80.
- 67182 BROWN, J. H. Respiratory nitrate reduction by rhizobia and host-rhizobia interactions affecting nodule initiation. Diss. Abs. 26(10): 5631. Apr.1966. 241.8 M58
- 67183 CHALVIGNAC, M. A. A contribution to the study of the flax rhizosphere. (Fr) Inst. Pasteur. Ann. 110(4):603-622. Ref. Apr. 1966. 448.3 An75
- 67184 CH'EN, T. P. The use of soil algae to improve soil fertility. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135: 33-40. Jan.14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:43-46. Feb.7, 1964.
Issued by CFSTI.
- 67185 COLE, L. C. The fragile breath of life: how to keep it going: protect the friendly microbes. Saturday Rev. 49(19):46-47. May 7, 1966. 110 Sa82
Nitrogen fixation by plants and nitrogen in the biological cycle.
- 67186 COPPOLA, S. Microbiochemical observations on Azotobacter chroococcum Beijerinck; introduction to the study. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:503-526. Ref., p.523-526. 1964/65. 105.4 P83
English summary.
- 67187 COPPOLA, S. Microbiochemical observations on Azotobacter chroococcum Beijerinck; study of the free and protein constituting amino acids. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3) 30:527-545. Ref. 1964/65. 105.4 P83
English summary.

- 67188 DAVEY, C. B., MILLER, R. J., and NELSON, L. A. Temperature-dependent anomalies in the growth of microorganisms. *J. Bacteriol.* 91(5): 1827-1830. May 1966. 448.3 J82
In soils.
- 67189 DOROSINSKY, L. M., SAGORIE, I. V., and BUSIASHVILI, D. M. Nitrogen fixing ability of nodule bacteria determined by an enzymatic test. (Rus) *Mikrobiologiya* 35(2):319-322. Mar./Apr. 1966. 448.3 M582
English summary.
- 67190 FASSATIOVA, O. Soil micromycetes of the hill Douthac in the Bohemian Karst. (Ge) *Preslia* 38(1):1-14. 1966. 450 P92
English summary.
- 67191 GOLEMANSKI, V. Soil protozoa and their biological significance. (Bu) *Priroda* [Sofia] 13(6):83-85. Nov./Dec. 1964. 410 P934
- 67192 HSU, K. H. Application of bacteria fertilizer in the Northeast. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135: 20-32. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:33-38. Feb. 7, 1964.
Issued by CFSTI.
- 67193 KAMURA, T., and TAKAI, Y. Transformation of iron compounds in paddy soils. III. Role of micro-organisms in the reduction process of ferric-iron. 12 p. Ref. Transl. 14844
Translation from *Journal of the Science of Soil and Manure* 31(10). 1960.
- 67194 KAUFMAN, D. D. Microbial degradation of combinations: amitrole and dalapon. *Weeds* 14 (2):130-134. Ref. Apr. 1966. 79.8 W41
- 67195 KLEVENSKAYA, I. L. Distribution of oligonitrophilic Actinomycetes in soils of Gorno-Altai area and their nitrogen fixing ability. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:93-100. Ref. 1964. 442.9 Ak17
- 67196 LENHARD, G. The dehydrogenase activity for the study of soils and river deposits. *Soil Sci.* 101(5):400-402. Ref. May 1966. 56.8 So3
- 67197 LOUB, W. Microbiological investigation of mid and northern European Podzols. (Ge) *Z. Pflanzenernahr. Dungung, Bodenk.* 111(3): 157-167. Ref. Dec. 1965. 384 Z343A
English summary, p. VIII.
- 67198 MANNINGER, E. The role of root-tuber bacteria in the nitrogen supply of papilionaceous plants. I. Rhizobium inoculation in our country. (Hu) *Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak, Közleményei* 25(1/2):127-134. Ref. 1966. 19 B855
- 67199 MARATHE, K. V. A study of the subterranean algal flora of some mangrove swamps. *Indian Soc. Soil Sci. J.* 13(2):81-84. June 1965. 56.9 In2
- 67200 MISHUSTIN, E. N. Soil microbiology and its current problems. 24 p. Ref. (NASA TT F-414) Transl. 15922
Translation from *Akademiya Nauk SSSR. Institut Mikrobiologii. Trudy* 1(1):155-175. 1965. CFSTI: \$35.
- 67201 MISHUSTIN, Y. Agriculture and microbiology. *Planters' Chron.* 61(6):108. Mar. 15, 1966. 22 P693
Research programs in USSR, including soil biology and Azotobacter.
- 67202 MOGHE, V. B., and SINHA, S. B. Effect of addition of phosphate on fixation of atmospheric nitrogen in soil with organic manures. *J. Soil Water Conserv. India* 13(1/2):8-11. Ref. Jan./June 1965. 56.8 J824
- 67203 NAIK, M. S., and NICHOLAS, D. J. D. NADH₂-benzyl viologen reductase from *Azotobacter vinelandii*. *Biochim. Biophys. Acta* 118(1):195-197. Apr. 12, 1966. 381 B522
- 67204 NAPLEKOVA, N. N. Intensity of aerobic decomposition of cellulose depending on nitrogen forms in soils of Gorno-Altai area. (Rus) *Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr.* 12:101-107. 1964. 442.9 Ak17
- 67205 ONAL, M. Investigations of soil respiration with the Warburg apparatus. (Ge) *Deut. Bot. Ges. Ber.* 78(3):130-138. Ref. 1965. 451 D48
- 67206 PATHAK, A. N., and JAIN, S. L. Effect of alkali salts. II. On nitrification. *J. Soil Water Conserv. India* 13(1/2):30-32. Ref. Jan./June 1965. 56.8 J824
- 67207 RAMASWAMI, P. P., and NAIR, K. S. Symbiotic variation of *Rhizobium* from nodules of redgram (*Cajanus cajan*). *Madras Agr. J.* 52(5): 239-240. May 1965. 22 M262
Includes inoculation.
- 67208 REDDY, G. R., and DATTA, N. P. Use of dicyandiamide in nitrogen fertilizers. *Indian Soc. Soil Sci. J.* 13(2):135-139. June 1965. 56.9 In2
Inhibitory action of dicyandiamide on nitrification.
- 67209 ROSS, D. J. A survey of activities of enzymes hydrolysing sucrose and starch in soils under pasture. *J. Soil Sci.* 17(1):1-15. Ref. Mar. 1966. 56.8 J823
- 67210 SAVULESCU, O., and TUDOESCU-BANESCU, V. The effect of Atrazine and Simazine on the development of soil fungi. (Rum) *Probl. Agr. [Bucharest]* 17(12):19-28. Dec. 1965. 21 R862
English summary.
- 67211 SCHLIEBE, K. A., BURNSIDE, O. C., and LAVY, T. L. Dissipation of amiben. *Weeds* 13(4):321-325. Ref. Oct. 1965. 79.8 W41
Effects on nitrification and soil microorganisms.
- 67212 SHENDE, SH. T. Application of azotobacterin on rice. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:129-130. Feb. 1966. 20 V633
- 67213 STARKLY, R. L. Oxidation and reduction of sulfur compounds in soils. *Soil Sci.* 101(4):297-306. Ref. Apr. 1966. 56.8 So3
- 67214 TORRECABRERA, J. Earthworms help the farmer. (Sp) *Cult. Mod.* 49(2):57-58. Feb. 1966. 15 C89
- 67215 VASYUK, L. F. Study of microorganisms and fermentative activities in Chernozem soils in connection with elaboration of diagnostic methods for soil fertility. (Rus) *Leningrad. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii. Trudy* 19:3-8. 1965. 448.39 L59
Cited in Ref. *Zh. Biol.* 22(sect. B):45. Nov. 1965. 241.7 R25
- 67216 VOETS, J. P., and DEDEKEN, M. Influence of high frequency and gamma irradiation on soil microflora and enzymes. (Fl) *Ghent. Landbouwhogeschool. Mededel.* 30(4):2037-2049. Ref. 1965. 105.1 G344
English summary.
- 67217 WATKIN, B. R., and WHEELER, J. L. Some factors affecting earthworm populations under pasture. *Brit. Grassland Soc. J.* 21(1):14-20. Ref. Mar. 1966. 60.19 B773
Experiments in Great Britain and New Zealand.
- 67218 WITKAMP, M. Decomposition of leaf litter in relation to environment, microflora, and microbial respiration. *Ecology* 47(2):194-201. Ref. Early Spring 1966. 410 Ec7
- 67219 ZVYAGINTSEV, D. G., DMITRIEV, E. A., and GALKINA, G. M. Effects of methods in preparing soil samples for microbiological analysis on total bacterial account. (Rus) *Mikrobiologiya* 35(2):328-336. Ref. Mar./Apr. 1966. 448.3 M582
English summary.

Soil Fertility

- 67220 ABDALLA, D. A., and SEFICK, H. J. Influence of nitrogen, phosphorus, and potassium levels on yield, petiole nutrient composition and juice quality of newly established Concord grapes in South Carolina. *Amer. Soc. Hort. Sci. Proc.* 87:253-258. Ref. Dec. 1965. 81 So12

- 67221 AGARWAL, R. R. Soil fertility in India. Bombay, Asia Publ. House, 1965. 278 p., map. Ref. S599.I4A3
- 67222 ALVELLID, S. Meadow fertilizing. (Sw) Var Naring 42(4):100. 1965. 44.8 M692
- 67223 AUFHAMMER, G., GUNZEL, G., and KNOBLOCH, W. Results of 15-year pasture fertilizing investigations on lowland moor soils. (Ge) Bayer. Landwirt. Jahrbuch 42(3):259-295. 1965. 18 L24
- 67224 BALBINO, L. R. Agricultural research carried out by the CUF [Union Manufacturing Company, Companhia Uniao Fabril] in the metropolis. (Por) Gaz. Agr. Angola 11(3):912-917. Mar. 1966. 24 G252
Grain fertilizing.
- 67225 BERLIC, T. The effect of the kind and amount of mineral fertilizers on the yields and quality of pastures of Slovenia. (Se) Agrohemija 9: 497-500. 1965. 385 Ag87
- 67226 BERTRAND, D., and WOLF, A. DE. Research on optimal doses of supplementary fertilizers manganese, molybdenum, and zinc for potatoes. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(4):241-245. Feb. 16/23, 1966. 14 P215Bc
English summary.
- 67227 BOCKELEE-MORVAN, A. Efficiency of the different forms of mineral element application on the groundnut. (Fr) Oleagineux 21(3):163-166. Ref. Mar. 1966. 77.8 OL2
English summary, p. XXXVII.
- 67228 BOCZ, E. Chemicalization methods in the service of increasing agricultural production. (Hu) Debreceni. Agrartud. Foisk. Tud. Uleszakanak. Eloadasai 1964:125-147. 105.9 D354
German summary.
Includes discussions by I. Kleczner, Mrs. Gy. Latkovics, J. Janecsko, D. Gyori and L. Hargitali, p. 203-221.
Chiefly on chemical fertilizers.
- 67229 BOEREMA, E. B. New fertilizers for rice. Agr. Gaz. New S. Wales 77(2):96-97. Feb. 1936. 23 N472
Nitrogen.
- 67230 BOGUSLAWSKI, E. V., and others. Bodenfruchtbarkeit ohne Stallmist [Soil fertility without manure]. Boden Pflanze. Landwirtsch. Schriftreihe 12, 79 p. June 1965. 57.8 B63
J. Debruck, W. Jahn-Deesbach, and J. Quade, joint authors.
Straw as fertilizer and green manure.
- 67231 BOSMANS, A. Winter care and fertilizing of asparagus. (Fl) Tuinbouwberichten 29(10):420-421. Oct. 1965. 80 T817
Chiefly fertilizing.
- 67232 BOULD, C., BRADFIELD, E. G., and REDMOND, W. J. A factorial NPK field experiment with strawberry, var. Royal Sovereign. J. Hort. Sci. 41(2):165-177. Apr. 1966. 80 J825
- 67233 CAESAR, K., and GANESAN, S. Fertilizer application in potato. Trop. Agr. [Peradeniya] 120(2):119-124. Apr./June 1964. 26 T751
Ceylon.
- 67234 CARPENTIER, L. J. Condensed phosphates: production, properties and fertiliser value. Int. Superphosphate Manufacturers Ass. Agr. Comm. Bull. Doc. 43:29-49. Ref., p. 48-49. Feb. 1966. 241 In832
Text also in French.
- 67235 CHAMINADE, R. Summary of three years of experimentation with pot cultures. (Fr) Agron. Trop. [Paris] 20(11):1101-1162. Nov. 1965. 26 Ag86
English summary.
For testing soil fertility in Africa, Madagascar, and Reunion.
- 67236 CHE JEN. A green fertilizer crop for sugar cane fields. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:6-8. Aug. 17, 1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Translation from Hsueh K'o Hsueh 2:6-7. Feb. 1965.
Issued by CFSTI.
- 67237 CHISCI, G. C. Research of a complete formula of mineral fertilization on the establishment of lucerne (*Medicago sativa* L.) and red clover (*Trifolium pratense* L.) by the method of "systematic" variations. (It) Ann. Sperim. Agr. (n.s.) 17(5/6):497-525. Ref. 1963, pub. 1965. 16 An76
English summary.
- 67238 CHOUDHARY, K. N., and SAHAI, R. N. Increasing cotton yield by fertiliser use. Fert. News 11(3):18-22. Mar. 1966. 57.8 F4123
- 67239 CLARK, H. E. Sidedressing ammonia all across the country. Agr. Ammonia News 16(3):26-28, 34-35, 38. May/June 1966. 381 Ag82
- 67240 COCULESCU, G. Farm use of chemical fertilizers. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:35-38. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
In Rumania.
Translation from Viata Economica 9:9-10. Mar. 1966.
Issued by CFSTI.
- 67241 COCULESCU, G. Fertilizer requirements of corn planted as monoculture. (Rum) Probl. Agr. [Bucharest] 18(1):31-41. Ref. Jan. 1966. 21 R862
English summary.
- 67242 COLAS, P., CHAVANCE, A., and MAUDET, J. Ten years fertilizer development: Champagne-Ardenne region. (Fr) Bull. Engrais 486:13-19, map. Jan. 1966. 57.8 B87
Nitrogen fertilizing of field crops.
- 67243 COLEMAN, R. The importance of sulfur as a plant nutrient in world crop production. Soil Sci. 101(4):230-239, map. Ref. Apr. 1966. 56.8 So3
Field crop fertilizing.
- 67244 CONDEI, G., and TUDOR, T. Efficient utilization of lupine for green manuring of fruit-bearing vineyards. (Rum) Gradina, Via Livada 14(3):19-24. Mar. 1965. 80 G75
English summary.
- 67245 COUNCIL ON FERTILIZER APPLICATION. Proceedings on the 41st annual meeting, 1965. Washington, Nat. Plant Food Inst., 1965. 119 p., map. Ref. 57.9 N216
- 67246 COZZANI, C., CUROTTO, L., and FISCHETTI, B. C. Urea for top-dressing of wheat. (It) Agricoltura 14(2):93-96. Feb. 1965. 16 Ag8226
- 67247 CUMMINGS, G. A. Plant and soil effects of potassium and magnesium fertilization of Elberta peach trees. Amer. Soc. Hort. Sci. Proc. 86:141-147. Ref. June 1965. 81 So12
- 67248 DAJI, J. A. Manuring of rice in India. 5. Kerala. Fert. News 11(2):18-21. Feb. 1966. 57.8 F4123
- 67249 DAJI, J. A. Manuring of rice in India, 6. Maharashtra and Gujarat. Fert. News 11(3):27-31. Mar. 1966. 57.8 F4123
- 67250 DAS, B. K., SARKAR, A. K., and DUA, B. B. Studies on the effect of nitrogen levels on the yield and quality of fibre in varieties of [*Corchorus*] capsularis jute and their residual effect on mustard. Indian Soc. Soil Sci. J. 13(2):109-114. June 1965. 56.9 In2
- 67251 DATTA, B. P., and SUBBIAH, B. V. Isotopes induce fertilizer efficiency. Indian Farming 15(10):40-41. Jan. 1966. 22 In283
- 67252 DAVIDESCU, D. Maize fertilization and yield quality. (Rum) Probl. Agr. [Bucharest] 18(3):68-79. Ref. Mar. 1966. 21 R862
- 67253 DENMARK. STATENS FORSOEGSVIRKSOMHED I PLANTEKULTUR. Fertilizing of nursery plants. (Da) Tidsskr. Planteavl 69(4):587-589. 1966. 11 T439

- 67254 DE VILLIERS, J. B. M., EKSTEEN, L. L., and MATHEWS, A. L. Bemesting van suikermielies (Stowell's evergreen) in die George-Knysna distrikte [Manuring of sweet corn (Stowell's evergreen) in the George-Knysna districts]. Repub. S. Afr. Dep. Agr. Tech. Serv. Tech. Commun. 40,10 p. 1965. 24 So863
English summary.
- 67255 DHANARAJ, L., and SANKARANRAYANAN, R. Night soil compost is as good as farm yard manure for paddy. Madras Agr. J. 52(8):333-337. Aug.1965. 22 M262
- 67256 DIOFASI, L. New experiences in green manuring. (Hu) Kerteszeti Szulesz. 15(8):16-17. Apr.1966. 80 K474
With grapes.
- 67257 DOBBEN, W. H. VAN. Recent views in the field of nitrogen fertilization of rye in western Europe. (Ge) Wageningen. Inst. Biol. Scheikundig Onderz. Landbougewassen. Meded. 280/295: 75-80. 1965. 60.9 W123
English summary.
- 67258 DREIER, A. F., OLSON, R. A., and GRABOUSKI, P. H. Small grain fertilizer experiments in Nebraska, 1965. Nebr. Agr. Exp. Sta. Outstate Testing Circ. 121,44 p.,map. Feb.1966. 100 N270
Winter wheat, rye, and oats.
- 67259 DREZGIC, P., and MARKOVIC, Z. The effect of different rates of mineral fertilizers and NPK nutrients on yields of corn on Chernozem soils. (Se) Savremena Poljoprivreda 13(12): 983-990. Dec.1965. 21 P75
English summary.
- 67260 DUMITRACHE, I. The effect of fertilizers on the yields of apples in the north-eastern part of Transylvania. (Rum) Gradina, Via Livada 15(1):35-38. Jan.1966. 80 G75
- 67261 EPPERSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Coastal Plains Region of Virginia. Va. Polytech. Inst. Ext. Bull. 297, 24 p. Apr.1966. 275.29 V81B
Fertilizer recommendations for field crops, forage plants, and small grains.
- 67262 EPPERSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Piedmont Region of Virginia. Va. Polytech. Inst. Ext. Bull. 298, 33 p. Apr.1966. 275.29 V81B
Fertilizer recommendations for corn, small grains, and forage plants.
- 67263 ESCRITT, J. R., and LIDGATE, H. J. Further report on the suitability of a urea formaldehyde fertilizer product for use on turf. Sports Turf Res. Inst. J. 41:5-24. 1965. 60.19 B772
- 67264 FAT'YANOVA, S. V. Increasing effectiveness of chlorine containing fertilizers. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 3:107-108. Mar.1966. 20 V633
Potatoes and buckwheat.
- 67265 FELDMANN, F. Mineral fertilizer distribution. (Ge) Chem. Tech. Landwirt. 17(3):71-72. Mar.1966. 384 C4292
- 67266 FERNQVIST, I. Foliar diagnosis and fertilizing. (Sw) Fruktodlaren 36(7/8):122-124. Dec. 1965. 86 Sv2F
Fruit.
- 67267 FISCHBACH, P. E. The new team—farm chemicals and irrigation. Farm Chem. 129(2):60, 62,64,66. Feb.1966. 57.8 Am3
Application of fertilizers and pesticides through irrigation systems.
- 67268 FOZO, J. New experiences with green manuring in the fruit orchard. (Hu) Kerteszeti Szulesz. 15(8):15. Apr.1966. 80 K474
- 67269 FRANZ, M. Are organic fertilizers plentiful Org. Gard. Farming 13(5):63-64,66-68. May 1966. 57.8 Or32
- 67270 FROMAN, B. Intensive fertilizing—lower labor requirement—higher returns. (Sw) Norrbottens Lantmannabl. 7:132-133. Oct./Nov.1965. 11 N792
Fertilizing of pastures.
- 67271 GAUTREAU, J. The influence of water conditions on the efficiency of fertilizers in groundnut cultivation in Senegal. (Fr) Oleagineux 21 (4):217-222. Apr.1966. 77.8 OL2
English summary, p.XXXIX.
- 67272 GETKO, E. E. Effect of fertilization and the method of grass utilization on the yield of red clover. (Rus) Zhivotnovodstvo 2:57-58. Feb. 1966. 49 Z6
- 67273 GHERMAN, N. The effect of mineral fertilizers on the yields of winter wheat on sandy soils of South Oltenia. (Rum) Probl. Agr. [Bucharest] 17(12):43-45. Dec.1965. 21 R862
- 67274 HAJDU, M. The effect of mineral fertilizers, irrigation, planting density on the yield of potato in the southern part of Nyirseg. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(1/2):67-81. Ref. 1966. 19 B855
German summary.
- 67275 HARLER, C. R. Insecticides, fungicides, weedicides and fertilizers. II. The soil—our inheritance. Planters' Chron. 61(4):68-70. Feb.15,1966. 22 P693
This part deals with management of tea soils, use of organic manures and application of sulphate of ammonia as fertilizer and weed killer.
- 67276 HERRIOTT, J. B. D., WELLS, D. A., and CROOKS, P. Gulle as a grassland fertilizer. IV. Brit. Grassland Soc. J. 21(1):85-92. Mar. 1966. 60.19 B773
- 67277 HEYNITZ, K. VON. Directions for summer care of manures. (Ge) Lebendige Erde 3:117-119. May/June 1965. 18 L49
Application.
- 67278 HUANG, P. W. Measures for developing agricultural production and the study of natural conditions of farmlands. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 5:1-14. Feb.14, 1966. (JPRS 34,121; TT 66-30563)
173 J663Tt
Chiefly soil fertility.
Translation from Ti Li 5:203-206. Sept.27, 1965.
Issued by CFSTI.
- 67279 IRUTHAYARAJ, M. R., and RAJARATHNAM, S. A note on the response of ragi (Eleusine coracana Gaertn.) Co. 7 to calcium ammonium nitrate. Madras Agr. J. 52(1):33-34. Jan.1965. 22 M262
Fertilizer performance.
- 67280 JOHANSSON, O. Nitrogen fertilizing—fertilizers and methods. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 74:26-44. 1965. 11 Up62A
Field crops.
- 67281 JOHANSSON, O. Nitrogen fertilizing of leys for haymaking. (Sw) Vaxt-Narings-Nytt 22 (1):1-5. Feb.1966. 57.8 V47
English summary, p.1 of supplement.
- 67282 JURCIK, F. Experiences in large dose application of mineral fertilizers in Czechoslovakia. (Hu) Debreceni. Agrartud. Foisk. Tud. Uleszakanak. Eloadasai 1964:177-180. 105.9 D354
German summary.
Crop rotational experiments.
- 67283 KAFKAFI, U., and PUTTER, J. Some aspects of sigmoidal yield response curves related to the geometry of granule fertilizer availability. Israel J. Agr. Res. 15(4):169-178. Ref. Oct. 1965. 107 J552
Superphosphate applied to romaine lettuce.
- 67284 KATAKOUZENOS, D., and KELPERES, E. On the suitability of laboratory methods for soil testing in order to determine the fertilizer needs of our wheat fields. (Gre) Georgikon Delt. (ser.3)18:129-182. Ref. 1965. 21 G29
French summary.
Includes use of fertilizers.
- 67285 KATHIRGAMATHYAH, S., and CEASAR, K. Fertilizer response studies on potato. Trop. Agr. [Peradeniya] 120(2):87-118. Ref. Apr./June 1964. 26 T751
Cevlon.

- 67286 KELLER, J., and MOHRING, H. K. Die Düngung in der gärtnerischen Praxis [Fertilizers in horticultural practice]. Ed. 6, rev. Berlin, Parey, 1966. 193 p. Ref. S667.A2K4
- 67287 KERN, H. Effect of long-term phosphate fertilizing on soil and yields. (Ge) Phosphorsaure 25(5/6):228-237. 1965. 57.8 P563 Potatoes and grain.
- 67288 KHIMIYA na polyakh; sbornik statei [Chemicals for fields; collection of articles]. Moskva, Kolos, 1965. 279 p. S585.K4
Chiefly application of fertilizers and field crop yields.
- 67289 KLOTZ-WETZLAR, K. H. Effective fertilizing of pastures and meadows. (Ge) Unser Milchvieh 18(4):3. Apr.1966. 43.8 Un7
With potash, phosphoric acid and nitrogen.
- 67290 KOENIG, D. P. New experiments with the fertilization of tobacco in Germany. 1. 10 p. Ref. Transl. 14962
Translation from Revue Internationale des Tabacs, p.84-86. n. d.
- 67291 KOFOED, A. D. Crop culture. (Da) Alt Nyeste Landbrug, Havebrug, Husholdning 12:7-24. 1965. 33.11 AL7
Fertilizing and variety trials.
- 67292 KOHNLEIN, J., and KNAUER, N. Ergebnisse der Kieler Dauerdüngungsversuche mit Phosphat und Kali [Results of Kiel long-term fertilizer tests with phosphate and potash]. Kiel. Univ. Landwirt. Fak. Schriftenreihe 39, 180 p. 1965. 105.8 K542
English summary.
- 67293 KOLTAY, A., and O'SVATH, J. Multi-factorial experiment design for studying NPK dosage. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Közleményei 25(1/2):105-126. 1966. 19 B855
- 67294 KOVACEVIC-TATIC, R., and MILADINOVIC, N. Date and method of the foliar application of nitrogen fertilizers to the corn. (Se) Agrohemija 9:487-495. 1965. 385 Ag87
- 67295 KRALIN, P. I. Biological theory of plant nutrition and fertilization of fields. 13 p. Transl. 14725
Chiefly on application of fertilizers.
Translation from Sel'skoe Khozyaistvo Kazakhstana 12(4):32-35. Apr.1964.
- 67296 KRISHNAN, R. H., and LAL, S. M. Urea and ammonium sulphate for short duration paddy and their time of application. Madras Agr. J. 52(9):410-411. Sept.1965. 22 M262
Fertilizers.
- 67297 KROTH, E. M., and COLYER, D. Response of corn to nitrogen fertilization and plant population; 1965 tests and five year summary. Mo. Agr. Exp. Sta. Spec. Rep. 67, 20 p., map. Mar. 1966. 100 M693Sp
- 67298 LA MALFA, G. Top dressing of table tomatoes. (It) Prog. Agr. [Bologna] 11(11):1125-1132. Nov.1965. 58.8 P94
- 67299 LAMPSIDES, E. Foliage fertilization of vine. (Gre) Georgikon Delt. (ser.3)18:183-207. Ref. 1965. 21 G29
French summary.
- 67300 LANDWIRTSCHAFTSKAMMER WESER-EMS. LANDWIRTSCHAFTLICHE UNTERSUCHUNGS- UND FORSCHUNGSANSTALT. Bericht über die Versuchstätigkeit der Landwirtschaftlichen Abteilung für die Zeit von 1928-1964. I. Teil. Kalkulationsversuche [Reports on research activity of the Agricultural Section for the period from 1928-1964. Part 1. Calcium fertilizing research]. Berlin, 1965. 164 p. S465.L3
- 67301 LA ROTONDA, C. Mineral fertilizing with "compounds" in Campania. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:357-373. 1964/65. 105.4 P83
English summary.
Fruit and vegetables.
- 67302 LARSEN, P. H. Improving the fertilizer planning and manufacture of fertilizers. (Da) Dansk Landbrug 85(4):113-114. Apr.1966. 280.28 V91
- 67303 LARSSON, O. Peat and nursery culture. (Fi) Suo 16(3):5-6. Dec.12,1965. 54.8 Su7
English summary.
- 67304 LAWS, W. D. Investigation of some potassium relationships of the Blackland Prairie and related soils. Tex. Res. Found. Hobbitzelle Agr. Lab. Bull. 23, 23 p. Ref. Apr.1965. 330.9 T312
- 67305 LEHTINEN, K. Peat as growing medium in glasshouse culture of flowers and vegetables. (Fi) Suo 16(3):1-2. Dec.12,1965. 54.8 Su7
English summary.
- 67306 LEVERINGTON, K. C. A ratoon fertilizer programme for the Woongarra area of Bundaberg. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):135-136. Apr.1,1966. 65.9 Q3C
Using nitrogen and potash fertilizers.
- 67307 LUNGU, I. The management and fertilization in wheat growing under the 1966 conditions. (Rum) Probl. Agr. [Bucharest] 18(3):86-91. Mar.1966. 21 R862
- 67308 MAALOUF, W. D. Factors associated with effectiveness of the result demonstration method in promoting adoption of fertilizer practices by wheat farmers in Baalbeck and Akkar Counties, Lebanon. Diss. Abs. 26(10):5842-5843. Apr.1966. 241.8 M58
- 67309 MAERCKE, D. VAN. Foliar fertilization with urea. (Fi) Ghent. Landbouwhogeschool. Mededel. 30(4):2073-2085. Ref. 1965. 105.1 G344
English summary.
- 67310 MAINI, N. S., and KINRA, K. L. Nitrogen peps up taraimira yield. Indian Farming 15(12):29. Mar.1966. 22 In283
- 67311 MARANO, B. Phosphate fertilizing and productivity of alfalfa (Medicago sativa); a triennium of tests. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:279-301. 1964/65. 105.4 P83
English summary.
- 67312 MARIKULANDAI, A., and MORACHAN, Y. B. Results of manurial trials in Madras State on cotton. Madras Agr. J. 52(4):147-155. Apr. 1965. 22 M262
- 67313 MARIKULANDAI, A., and MORACHAN, Y. B. Results of manurial trials in Madras State on oilseeds. Madras Agr. J. 52(1):3-9. Jan.1965. 22 M262
- 67314 MILKOVICH, G. Increasing mineral fertilization effect on irrigated pastures with alkali soils. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:167-176. 105.9 D354
German summary.
- 67315 MILLER, J. A. Don't put it off; Put it on! Agr. Ammonia News 16(3):34. May/June 1966. 381 Ag82
Ammonia fertilizers.
- 67316 MISSISSIPPI AGRICULTURAL EXPERIMENT STATION. 1966 crop and fertilizer recommendations for Mississippi. Miss. Agr. Exp. Sta. Bull. 722, 28 p., map. Feb.1966. 100 M69
- 67317 MONDRZAK-ROSENBERG, G. The effect of nitrogen and phosphorus on the yield of romaine lettuce. Israel J. Agr. Res. 15(4):209-210. Oct.1965. 107 J552
Fertilizers.
- 67318 MURPHY, H. J., and GOVEN, M. J. The last decade in 38 years of potash studies for potato fertilizers in Maine. Amer. Potato J. 43(4):122-127. Ref. Apr.1966. 75.8 P842
- 67319 NAGY, M., and BALOG, M. Ways of increasing the agricultural production on sands in North-Western Rumania. (Rum) Probl. Agr. [Bucharest] 18(1):65-72. Jan.1966. 21 R862
English summary.
Application of fertilizers to rye and potato.
- 67320 NEMEC, A. Effect of solubility of the phosphorous component of foreign-made combined fertilizers on their efficiency. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(12):1281-1288. Ref. Dec.1965. 64.9 C33
English summary.

- 67321 NOONAN, J. B. Winter fodder crops. Milk Board J. 17(3):27,29,30-31,33. Mar.1966. 44.8 M5934
Fertilization of forage crops and pastures in Australia.
- 67322 NORTH CAROLINA UNIVERSITY. EXTENSION SERV. 1966 North Carolina fertilizer suggestions. N. C. Univ. Ext. Leaflet 114, rev., 8 p.-folder. Jan.1966. 275.29 N811L
Field crops, fruits, and vegetables.
- 67323 OLESEN, J. Nitrogen fertilizers. (Da) Tidskr. Landokon. 4:157-185. Apr.1966. 11 T43
- 67324 OPYT effektivnogo primeneniya udobrenii [Experiment in effective application of fertilizers]. Leningrad Lenizdat, 1965. 163 p. S639.06
On field crops.
- 67325 OVERDAHL, C. J., and MUNSON, R. D. How much does applied potassium move? Better Crops Plant Food 49(6):36-39. Winter 1965/66. 6 B46
Fertilizer for potatoes.
- 67326 PAAUW, F. VAN DER. Fluctuations in potato yields in the fen colonies resulting from changes in soil fertility under the influence of precipitation. (Du) Landbouwkundig Tijdschr. 78(4):136-142. Ref. Apr.1966. 105.2 Or3
English summary.
- 67327 PALEVITCH, D., and others. The effect of manure and fertilizer treatments on the yields of winter tomatoes in the Western Negev. Israel J. Agr. Res. 15(2):65-72. Ref. Apr. 1965. 107 J552
N. Kedar, H. Koyumdjisky, and J. Hagin, joint authors.
- 67328 PANSE, V. G. Fertiliser trials. Fert. News 10(12):19-23. Dec.1965. 57.8 F4123
Field crops.
- 67329 PANSIOT, F. P., and REBOUR, H. Improvement of olive culture: fertilizing. (Sp) Tierra [Mexico] 21(3):182-183,237. (Cont.) Mar.1966. 8 T445
- 67330 PARKER, E. M. Nutrient balance important in pasture recommendations. Com. Fert. Plant Food Indus. 112(3):55-57. Mar.1966. 57.8 C73
Fertilizing.
- 67331 PARR, J. F., and PAPENDICK, R. I. Agronomic effectiveness of anhydrous ammonia-sulfur solutions. Soil Sci. 101(4):336-345. Ref. Apr. 1966. 56.8 So3
Effects on corn yields.
- 67332 PARRINI, P. Research on fertilizing of an annual succession of forage plants. (It) Agr. Venezie 19(7/8):347-366. Ref. July/Aug.1965. 16 Ag826
- 67333 PASZTOR, K. Mineral fertilization and chemical weed control of corn. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:155-166. Ref. 105.9 D354
German summary.
- 67334 PEREZ-SALAS Y LAMO DE ESPINOSA, J. The grapevine and potassium fertilizers. (Sp) Cult. Mod. 48(10):363-364. Oct.1965. 15 C89
- 67335 PEREZ-SALAS Y LAMO DE ESPINOSA, J. Microelements in the vineyard. (Sp) Cult. Mod. 48(11):414-415. Nov.1965. 15 C89
Fertilizers.
- 67336 PERSSON, N. E. Resultat fran nagra vaxtanalyser av koksvaxter [Results of foliar diagnosis of vegetables]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 85,18 p. 1966. 11 Up62A
- 67337 PILLAI, K. M. Role of trace elements in crop production. Fert. News, 11(2):26-28,35. Feb. 1966. 57.8 F4123
Fertilizing of field crops and fruit.
- 67338 PLATE, H. Are you topdressing alfalfa for highest yields? Agway Coop. 2(6):11. June 1966. 280.28 Ag9
- 67339 POP, M. On the improvement of sandy soils between the Calmatui and Ialomita rivers. (Rum) Probl. Agr. [Bucharest] 18(1):42-53. Ref. Jan. 1966. 21 R862
English summary.
Fertilizing of field crops.
- 67340 POSTNIKOV, A. Need for agrochemistry in the USSR. 6 p. (JPRS 25,956; TT64-41227) Transl. 14234
Application of fertilizers in relation to soil chemistry education.
Translation from Ekonomicheskaya Gazeta 12:34. Mar.23,1963.
CFSTI: \$1.00.
- 67341 POULSEN, E. Can foliar diagnosis help in fertilizing? II. (Da) Erhvervsfrugtavlren 32(11):430-433. Nov.1,1965. 80 Er3
Apples.
- 67342 POULSEN, E. Can foliar diagnosis help in fertilizing? III. Magnesium, calcium, phosphorus, boron and manganese. (Da) Erhvervsfrugtavlren 32(12):475-478. Dec.1,1965. 80 Er3
Apples.
- 67343 RAI, K. D. Sorghum straw disposal in the central clay plain of the Sudan. Indian Soc. Soil Sci. J. 13(2):99-102. June 1965. 56.9 In2
Effects of incorporation of sorghum straw in soils on sesame yields.
- 67344 RAKTOE, B. L., and FEDERER, W. T. Statistical analysis of fertilizer response for rice yields in Nickerie, Surinam. II. Surinaamse Landbouw 13(6):250-260. 1965. 9.6 Su7
- 67345 RAMAMOORTHY, B. New trends in fertilizer application. Indian Farming 15(11):13-14. Feb. 1966. 22 In283
Wheat.
- 67346 RAMIAH, T. A. Fertilise jowar for higher yields. Fert. News 11(3):11-14. Mar.1966. 57.8 F4123
- 67347 RAMOS HENAO, A. Water fertilizing. (Sp) Soc. Antioquena Agr. Bol. Agr. 534:9812-9817. Dec.1964. 9.4 So1
Fishponds.
- 67348 RANDHAWA, M. S. The miracle of nitrogen. Indian Farming 15(3):20-23. June 1965. 22 In283
Chiefly wheat fertilization.
- 67349 REDDY, G. P., and RAO, C. S. Fertilizer response in groundnut. Indian Oilseeds J. 9(4):274-279. Ref. Oct./Dec.1965. 307.8 In22
Nitrogen, potassium, phosphorus.
- 67350 RICHARIA, R. H., PATNAIK, S., and CHAUDHRY, M. S. High yields of Taiwan rice varieties through intensive manuring. Fert. News 10(12):118-120. Dec.1965. 57.8 F4123
- 67351 ROORDA VAN EYSINGA, J. P. N. L. Bemesting van tomaten met kali [Fertilizing of tomatoes with potash]. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 677,37 p. 1966. 105.2 V61V
English summary.
Issued also as Naaldwijk. Proefstation voor Groenten en Fruit onder Glas. Publicatie No. 109.
- 67352 ROORDA VAN EYSINGA, J. P. N. L. Development of a pure peat mixture for raising plants with blocks. Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz. 668,78 p. Ref.,p.64-65. 1965. 105.2 V61V
Issued also as Naaldwijk. Proefstation voor Groenten en Fruit onder Glas. Publicatie No. 107.
- 67353 ROTINI, O. T. Fertilization of table grapes. (It) Prog. Agr. [Bologna] 11(6):609-614. June 1965. 58.8 P94
- 67354 SCHUPHAN, W. Yield, market quality, and contents of leafy and bulbous vegetables with increasing amounts of phosphate fertilizer. (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):550-551. Mar.31,1966. 18 N39

- 67355 SELIMKHANOV, G., ASLANOV, T., and MANA-FOV, S. Gypsum and leaching problems in Azerbaydzhan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:3-4. Mar.23,1966. (JPRS 34,683; TT 66-31122) 173 J663Tso
Translation from Bakinskiy Rabochiy, Dec.30, 1965:1.
Issued by CFSTI.
- 67356 SEN, A. Manure and money from sanhemp. Indian Farming 15(12):34-36. Mar.1966. 22 In283
- 67357 SETH, J., and PRASAD, B. L. In barley, foliar fertilization cuts costs, boosts yields. Indian Farming 15(8):15,17. Nov.1965. 22 In283
- 67358 SHAPOVALOV, V. P., and ZAIKOVA, L. A. Experience in application of mineral fertilizers to Gray-Forest soils of Novosibirsk Region. (Rus) Akad. Nauk SSSR, Sibirsk. Otd. Biol. Inst. Tr. 12:108-116. 1964. 442.9 Ak17
Wheat and corn.
- 67359 SHARMA, D. L., MATHUR, C. M., and MOGHE, V. B. Soil tests help in raising agricultural production in Rajasthan. Fert. News 11(3):23-26, map. Ref. Mar.1966. 57.8 F4123
Soil fertility levels and fertilizing.
- 67360 SMITH, I. D. Give forages a summer boost. Doane's Agr. Rep. 29(14):20-22. May 8, 1966. 281.8 D652
Fertilizers improve yields.
- 67361 SOWELL, W. F. Lime pays. Auburn Univ. Ext. Circ. P-55,6 p.-folder. Aug.1965. 275.29 AL14Cp
- 67362 SPRINGER, E. Azalea culture in peat—with or without addition of lime. (Ge) Torfnachrichten 16(9/10):19-20. Sept./Oct.1965. 57.8 T632
- 67363 SPRINGER, E. Culture of Monstera deliciosa in peat with variable granulation. (Ge) Torfnachrichten 16(1/2):3-4. Jan./Feb.1965. 57.8 T632
- 67364 SPRINGER, E. Growth of Rhododendron in soils improved with sawdust and peat fertilizer. (Ge) Torfnachrichten 16(11/12):24. Nov./Dec. 1965. 57.8 T632
- 67365 SPRINGER, E. Influence of fertilizing on growth of cacti. (Ge) Torfnachrichten 16(1/2): 2-3. Jan./Feb.1965. 57.8 T632
- 67366 SRIRAMAMURTHY, V. M. M., and others. Studies on Indian basic slag as a source of phosphoric acid to rice grown in phosphate deficient black soils of Telangana. Andhra Agr. J. 12(6):201-207. Ref. 1965. 34.2 An4
D. V. K. Rao, W. T. Rao, and V. V. K. Sastry, joint authors.
Used as fertilizer.
- 67367 STANACEV, S. Pre-harvest foliar top-dressing of sugar beets. (Se) Savremena Poljoprivreda 13(7/8):617-629. Ref. July/Aug.1965. 21 P75
English summary.
- 67368 SULLIVAN, G. D. Nitrogen pays on sugar cane. Sugar J. 28(11):58-61. Apr.1966. 65.8 Su391
Effects on yields; includes prices, in Louisiana.
- 67369 SULLIVAN, G. D. Profitable levels of nitrogen for rice. Rice J. 69(5):32-33. May 1966. 59.8 R36
Effects of nitrogen fertilization on yields, in Louisiana.
- 67370 SUND, J. M., NIELSEN, E. L., and AHLGREN, H. L. Response of Kentucky bluegrass (*Poa pratensis* L.) strains to fertility and management. Wis. Agr. Exp. Sta. Res. Rpt. 20,28 p. Ref. Nov.1965. 100 W75R
Fertilizer and harvesting treatment of experimental plots.
- 67371 SZABOLCS, I. Chemicalization in agriculture and soil improvement. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulessakanak. Eloadasai 1964: 181-184. 105.9 D354
German summary.
Calcium nitrate in soil improvement.
- 67372 THIMM, H. Results of a pasture fertilizing investigation on problems of economic application of N fertilizer. (Ge) Deut. Landwirt. 17(3):142-145. Mar.1966. 18 D4822
- 67373 THUN, M. Fertilizer comparison in a cabbage planting. (Ge) Lebendige Erde 3:122-123. May/June 1965. 18 L49
Organic.
- 67374 TOMKA, O., KASPER, J., and DUGAT, I. Problem of the effect of nitrogen in planted grass stands. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav. Vedeckotech. Inform. Rostlinna Vyroba 38(12):1307-1322. Ref. Dec. 1965. 64.9 C33
English summary.
Effect on yields.
- 67375 TRANDAFIRESCU, T., SANDU, GH., and SAVU, I. The efficiency of maize fertilizers on the sands of the right bank of the Calmatui as related to relief forms. (Rum) Probl. Agr. [Bucharest] 18(3):30-37. Mar.1966. 21 R862
English summary.
- 67376 TUCKER, B. B., CHRUDIMSKY, W. W., and FORAKER, R. Peanuts and soybean fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-542,9 p. May 1966. 100 Ok4M
- 67377 TUCKER, B. B., and others. Sorghum fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-538,9 p. May 1966. 100 Ok4M
W. W. Chrudimsky, R. Foraker, and B. B. Webb, joint authors.
- 67378 TUCKER, B. B., and BAKER, J. M. Wheat fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-540,55 p. May 1966. 100 Ok4M
Nitrogen, potassium, and phosphorus.
- 67379 TUDOR, S., VLADU, C., and TUDOR, T. The effect of green manures on soil fertility and erosion control in new vineyards. (Rum) Gradina, Via Livada 14(3):24-29. Mar.1965. 80 G75
- 67380 UFFELEN, J. A. M. VAN. Supplementary fertilizing of cucumbers. (Du) Groenten Fruit 21(39):1761. Apr.13,1965. 80 G89
- 67381 USMANOV, YU. A. The problem of waste water utilization from the Ufa petroleum refinery for preparing superphosphate from Ashinskii phosphorite. (Rus) Mezhl. Konferentsiya Pochvovedov i Agrokhimikov Sredn. Povolzh'ya i Yuzhn. Urala Sb. Dokl. 3:5-9. 1964. Not in Libr.
Phosphorite flour as good phosphorus fertilizer on acid soils.
Abstracted in Ref. Zh. Khim. 19(sect.L):18. Oct.1965. 241.64 R252
- 67382 VENKATESWARLU, J., and RAO, D. V. K. Studies on foliar application of nitrogen as urea to rice. Indian Soc. Soil Sci. J. 13(2):127-134. June 1965. 56.9 I12
- 67383 VRIES, K. DE. Nitrogen. (Du) Orchideeen (n.s.)27(5):105. Oct.1965. 80 Or182
Fertilizing of orchids.
- 67384 WAYDBRINK, W., and others. Research on the improvement of humus in organic soils through ammonia. (Ge) Z. Landeskult. 6(3):231-253. Ref. 1965. 282.9 Z3
K. J. Bahro, H. Arnold, K. H. Bollow, H. Passow, K. Doerner, and W. Seyfarth, joint authors.
English summary.
- 67385 WEIR, C. C. Leaf and soil analyses as guides for citrus fertilizer practices in the West Indies. Agr. Soc. Trinidad Tobago. J. 65(4):471, 473,475,477-478. Dec.1965. 8 T73
Trinidad.
- 67386 WEIR, C. C. Leaf sampling for foliar analysis of citrus in Trinidad. Trop. Agr. [St. Augustine] 43(2):153-154. Apr.1966. 26 T754
- 67387 WIRTH, A. Experiences to date with fall fertilizers in fruit culture. (Ge) Schweiz. Z. Obst- Weinbau 101(23):580-582. Nov.13,1965. 80 Sch9

- 67388 YANG KUANG. Concerning the application of phosphorus fertilizer. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:12-14. Aug.17,1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Translation from Hsueh K'o Hsueh 1:4-5. Jan.1965.
Issued by CFSTI.
- 67389 YUAN, H. Y. Effect of phosphorus fertilizer in rice paddies of Red soil in hills of Hsiang-Chung. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135:1-10. Jan.14,1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:13-16. Feb.7,1964.
Issued by CFSTI.
- 67390 ZAFFANELLA, M. J. R., and GEMESIO ZAFFANELLA, M. Relacion entre redimiento de maiz y proporcion de materia organica en suelos de Pergamino [Relation between yield of corn and proportion of organic matter in the soils of Pergamino]. Pergamino. Estac. Exp. Agropecuar. Inform. Tec. 46,6 p. Nov.1965. 102.5 P413
- 67391 ZIEMER. Lime fertilization made easier. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(3): 66,68. Mar.15,1966. 58.8 D81
- 67392 ZUG, MRS. J. Reestablishing methods of producing power of soils in the German Democratic Republic. (Hu) Gazdalkodas 10(2):80-82. Apr.1966. 281.8 G25
With minerals and organic fertilizers.
- 67393 ZVARA, J., and others. Vyziva rastlin [Nutrition of plants]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatuty, 1965. 390 p. QK867.Z9
A. Frycek, V. Gejmovsky, J. Kandra, J. Lopatnik, O. Tomka, and J. Truksa, joint authors.
Chiefly application of fertilizers.
- Soil Tillth and Tillage
- 67394 AMBROK, S. A., and NAZAROV, M. F. Subsoiling as basic method in soil tillage. (Rus) Vestnik Sel'skokhz. Nauk. [Moscow] 2:121-123. Feb.1966. 20 V633
- 67395 CHISCI, P. The use of plastic films in mulching of ornamental plants in nurseries. (It) Agricoltura 15(3):61-64. Mar.1966. 16 Ag8226
- 67396 DALLEINE, E. Enlarging the range of techniques in soil cultivation. (Fr) Agriculture [Paris] 29(286):49,51-52. Feb.1966. 14 Ag823
- 67397 DOBOS, M. The effect of different mulching methods on the development of Gladiolus-tubers. (Hu) Budapest. Kerteszeti Szolesz. Fois-kola. Kozlemenyei 28(3):267-274. 1964, pub. 1965. 80 B85
English summary.
- 67398 DOSS, B. D., BENNETT, O. L., and ASHLEY, D. A. Effect of plastic mulch, herbicide, and tillage on moisture use and yield of corn. J. Soil Water Conserv. 21(3):99-101. May/June 1966. 56.8 J822
- 67399 DURANTI, A. Research on deep plowing in hot arid environment. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:407-416. Ref. 1964/65. 105.4 P83
English summary.
- 67400 DVORACEK, M. Comparative study of sand melioration, agrotechny and fertilization methods. (Hu) Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei 25(1/2):25-44. 1966. 19 B855
German summary.
Subsoiling, manures and fertilizers effect on field crop yields.
- 67401 DZHABRAILOV, D. U. Studying the effect of stripe deep tillage upon solid and liquid runoff from soddy-podzolic soils. (Rus) Pochvovedenie 3:42-45. Mar.1966. 57.8 P34
English summary.
- 67402 EDWALL, E. Better plowing. (Sw) Lantbruks-tidskr. Jamtland Harjedalen 18(3):12. 1965. 11 L293
- 67403 FLUGUETTO MARTI, J. M., and MINOLA, J. Technique of fallowing. (Sp) Soc. Rural Argent. An. 99(7):119-120,123. July 1965. 9 Sol
In relation to soil moisture preservation.
- 67404 GALINDO, A. Are we doing away with the fallow? (Sp) Cult. Mod. 48(6):217-218. June 1965. 15 C89
- 67405 HARRIS, K., ERIE, L. J., and FULLER, W. H. Minimum tillage in the Southwest. Ariz. Univ. Ext. Bull. A-39,16 p. Feb.1965. 275.29 Ar42Bu
Published jointly with Arizona Agricultural Experiment Station.
- 67406 KABISCH, H. Soil tillage in the moist spring. (Ge) Lebendige Erde 3:125-127. May/June 1965. 18 L49
- 67407 KADUSHIN, N., and DAURENBKOV. Method of cultivation of grain crops in Tselinnyy Kray. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 194:7-16. Apr.28,1965. (JPRS 29,790; TT 65-30835) 173 J663Tsi
Chiefly furrow plowing.
Translation from Tekhnika v Sel'skom Kho-zyaystve 1:4-10. Jan.1965.
Issued by CFSTI.
- 67408 LEARD, H. H. Mulch tillage; a new look for soybeans in the Southeast. Soybean Dig. 26(7): 28-29. Apr.1966. 60.38 So9
- 67409 LI TU-JEN. Tricks for protecting soil against drought. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:9-11. Aug.17,1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Effects of tillage on soils.
Translation from Hsueh K'o Hsueh 1:6-7. Jan.1965.
Issued by CFSTI.
- 67410 LUNGU, I. Considerations on the effect of tillage works on soils with excessive moisture. (Rum) Probl. Agr. [Bucharest] 17(11):23-39. Ref. Nov.1965. 21 R862
- 67411 MELTON, J. Rough tillage for wheatland. Soil Conserv. 31(9):216. Apr.1966. 1.6 So3S
Washington.
- 67412 NGO THUYEN. Deep plowing increases Thanh Hoa's agricultural production. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam 3:91-98. Apr.27,1965. (JPRS 29,770) 173 J663Th
Translation from Hoc Tap 3:46-50. Mar. 1965.
Issued by CFSTI.
- 67413 RAKK, I. More forage yield with permanent stubble-mulch. (Hu) Magyar Mezogazdasag 21 (13):12-13. Mar.30,1966. 19 M27
- 67414 RID, H. Conclusions from 1965: improve the soil! (Ge) Mitt. Deut. Landwirt.-Ges. 81(5): 135-138. Feb.3,1966. 18 N39
Tillage and fertilizing.
- 67415 STEPMAN, A. Potato care on heavy soils in Holland. (Ge) Feldwirtschaft 7(3):135-136. Mar.1966. 18 W763
Tillage.
- 67416 VOLKOV, V. P. Effect of stubble slitting on soil moisture. (Rus) Pochvovedenie 4:41-49. Ref. Apr.1966. 57.8 P34
English summary.
- 67417 WATSON, W. S., and PHILLIPS, R. E. Effect of vertical mulching a plowpan soil on growth and yield of corn. Ark. Agr. Exp. Sta. Bull. 707,22 p. Ref. Mar.1966. 100 Ar42
- 67418 WECK, R. What did 1965 teach use for spring tillage? (Ge) Mitt. Deut. Landwirt.-Ges. 81 (11):433-434. Mar.17,1966. 18 N39

Drainage, Irrigation, Water Supply, and Flood Control

- 67419 AKHMELI, G. The Alazanskaya irrigation system. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:51-52. Apr.5,1965. (JPRS 29,423) 173 J663Tso
Translation from Zarya Vostoka, Nov.25, 1964:1.
Issued by CFSTI.
- 67420 AKZHANOV, A. A. Study of the elements of technique of irrigation through long furrows. 10 p. Transl. 15008
Translation from Tatarskaya Sel'skokhozyaistvennaya Akademiya. Doklady 87:101-109. 1963.
- 67421 ALEKSEYEVSKIY, YE YE. Land reclamation: the most vital reserve for agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:10-14. Apr.19,1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Translation from Turkmenskaya Iskra, Mar.16,1966:2
Issued by CFSTI.
- 67422 ALEKSEYEVSKIY, YE. YE. Reclamation tasks for 1966. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:26-32. May 9,1966. (JPRS 35,391; TT 66-31827) 173 J663Tso
Includes irrigation and drainage of land.
Translation from Gidrotekhnika i Melioratsiya 2:1-6. Feb.1966.
Issued by CFSTI.
- 67423 ALIKHANOV, E. Water management in the Azerbaydzhn SSR. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:10-11. Mar.30, 1966. (JPRS 34,817; TT 66-31256) 173 J663Tso
Chiefly irrigation.
Translation from Pravda, Mar.10,1966:2.
Issued by CFSTI.
- 67424 AMER, M. H. Proposed design spacing equations for transient tile drainage and comparison with existing equations. Diss. Abs. 26(10):5943. Apr.1966. 241.8 M58
- 67425 ANDERSON, D. O., COOK, N. R., and BADGER, D. D. Estimation of irrigation water values in western Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-528,33 p. Feb.1966. 100 Ok4M
- 67426 ANDRESEN, A. J. Agricultural and recreation benefits in the Adobe Creek watershed. J. Soil Water Conserv. 21(2):48-49. Mar./Apr.1966. 56.8 J822
Flood control.
- 67427 APPEL, A. Underground irrigation, an experiment in Israel. Mother Earth 14(1):57-61. Jan.1966. 56.8 M85
- 67428 ASHURMATOV, Z. A. Temporary hydraulic structures on highly-settled soils. (Rus) Gidrotekh. Melior. 3:32-34. Mar.1966. 290.8 G362
Canal construction.
- 67429 ASPINALL, W. N. Water resources policy in transition—what should be the Federal role? Nat. Reclam. Ass. Proc., 34th Annu. Conv.:116-121. 1965. 55.9 N212
- 67430 AXTHELM, D. D. A new extension program. Nebr. State Irrig. Ass. Proc., 73d Annu. Conv.:105-114. 1965. 55.9 N27P
Water resources program.
- 67431 AZEVEDO, A. L., and SOARES, H. C. DA S. Graphic estimation of the "utilizable water" for irrigation. (Por) Agros [Lisboa] 47(5):399-401. Sept./Oct.1964. 15.5 Ag82
- 67432 AZIZ, M. H. A., BISHOP, A. A., and DUNN, I. S. Drain bank stability as affected by exchangeable ions and seepage forces. Amer. Soc. Agr. Eng. Pap. 714,32 p. Ref. 1965. 290.9 Am32P
In irrigated land drainage.
- 67433 BADGER, D. D., PAYNE, W. W., and COOK, N. R. Community benefits in the Upper Wildhorse Creek watershed. J. Soil Water Conserv. 21(2):45-46. Mar./Apr.1966. 56.8 J822
Chiefly flood control.
- 67434 BALDINI, G. F. Observations on the cost of irrigation distribution on some collective projects in northern Italy. (It) Bonifica Integrale 20(1):13-18. Jan.1966. 55.9 As72
- 67435 BARNES, S. M. Kaweah water rights settlement by purchase. Amer. Soc. Civil Eng. J. 92(IR1,proc. pap.4729):55-76, map. Ref. Mar. 1966. 290.9 Am3Ps
California.
- 67436 BARRY, F. J. Recent trends in Federal-State relationships in water resources development. Nat. Reclam. Ass. Proc., 34th Annu. Conv.:51-57. 1965. 55.9 N212
- 67437 BEALE, J. G., and HOWELL, D. T. Relationships among sprinkler uniformity measures. Amer. Soc. Civil Eng. J. 92(IR1,proc. pap. 4720):4148. Mar.1966. 290.9 Am3Ps
- 67438 BEKEN, A. VAN DER, and HEYNDRICKX, G. A. Investigation of steady state drainage problems by an electric analogue of conducting paper. (Fl) Ghent. Landbouwhogeschool. Mededel. 30(4):2113-2156. Ref. 1965. 105.1 G344
- 67439 BENNETT, A. J. Two indicator systems for ground-water piezometers. Soil Sci. 101(5):392-399. Ref. May 1966. 56.8 So3
- 67440 BITTINGER, M. W., and TRELEASE, F. J. Development and dissipation of a ground-water mound. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):103-104,106. 1965. 290.9 Am32T
Statistical analysis.
- 67441 BIT'YUKOV, K. K., and DOROZHKO, P. K. Oroshenie sel'skokhozyaistvennykh kul'tur v stepnykh raionakh [Irrigation of the field crops in the steppe districts]. Ed. 2, rev. Moskva, Kolos, 1965. 198 p. S616.U4B5
- 67442 BLAISDELL, F. W., and DONNELLY, C. A. Hydraulic design of the box-inlet drop spillway. U. S. D. A. Agr. Handbook 301,40 p. Apr.1966. 1 Ag84Ah
Minnesota Agricultural Experiment Station, and St. Anthony Falls Hydraulic Laboratory of the University of Minnesota, cooperating.
- 67443 BLISS, E. S. Investigation of drainage requirements in the San Joaquin Valley in relation to the development of the California water plan. Amer. Soc. Agr. Eng. Pap. 716,49 p., map. Ref. 1965. 290.9 Am32P
- 67444 BORISENKO, A., and PRONIN, A. National-economic value of melioration of water-logged lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:1-13. Mar.9,1965. (JPRS 29,041) 173 J663Tso
Drainage of marshes.
Translation from Ekonomika Sel'skogo Khozyaystva 10:94-102. Oct.1964.
Issued by CFSTI.
- 67445 BOUGNOI, M. Surveillance et controle de la radioactivite des eaux utilisables a des fins agricoles [Supervision and control of radioactivity of waters useful for agricultural purposes]. Paris. Cent. Rech. Exp. Genie Rural Bull. Tech. Genie Rural 71,63 p., map. Ref. Jan.1965. 58.9 P21
English summary.
- 67446 BRAUN, G., and ANTONOV, A. The irrigators of the Kuban' are making progress. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:123-126. June 16,1965. (JPRS 30,640) 173 J663Tso
Translation from Stroitel'naya Gazeta, Feb.10,1965:2.
Issued by CFSTI.
- 67447 BRAZDIL, J. Zabezpecovani sesuvnych uzemi [Control of sliding soils]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 49 p. TA715.B7
Chiefly drainage and reclamation.
- 67448 BUCUR, N., and TESU, C. Effective utilization of land of the basin of Bahlui River. (Rum) Probl. Agr. [Bucharest] 17(11):51-54. Nov. 1965. 21 R862
Chiefly reclamation.

- 67449 BURLAKOV, A. Reserves of irrigable hectares. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 119:3-5. Apr.12,1966. (JPRS 35,002-TT 66-31440) 173 J663Tso
Translation from Pravda, Feb.16,1966:2
Issued by CFSTI.
- 67450 BURMAN, N. The planned use of water. Mother Earth 14(2):129-133. Apr.1966. 56.8 M85
Includes irrigation water.
- 67451 BUTLER, E. D. Channel improvements aid water control and use. Soil Conserv. 31(10):223-225. May 1966. 1.6 So3S
In watershed projects in Arkansas.
- 67452 CALDER, G. G., and WESTON, L. H. Automatic system of farm irrigation shows big increase in sheep carrying capacity in Otago. New Zeal. J. Agr. 112(2):19,21,23. Feb.1966. 23 N48J
- 67453 CANALINI, G. Water losses in irrigation. (It) Bonifica Integrale 20(2):74-80. Feb.1966. 55.9 As72
- 67454 CARR, D. E. Death of the sweet waters. New York, Norton, 1966. 257 p. TD420.C3
Bibliography, p.234-249.
- 67455 CASTANON ALBERTOS, G. Irrigate—when and how much? (Sp) Agricultura [Madrid] 35(406):64-67. Feb.1966. 15 Ag84
- 67456 CAVAZZA, D. Problems and prospects on the automatism of sprinkler systems. (It) Irrigazione 12(4):10-22. 1965. 55.8 Ir733
English summary.
- 67457 CEYLON, DIRECTOR OF IRRIGATION. Administration report for 1963-64, by A. E. C. de S. Gunasekera. Colombo, 1965. 40 p. 55.9 C33
- 67458 CHANG, Y. P. Let us get more water and control water better. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. 177:9-12. Mar.22, 1966. (JPRS 34,664; TT 66-31103) 173 J663Er
For crops irrigation.
Translation from Nodong Sinmun, Feb.14, 1966:2.
Issued by CFSTI.
- 67459 CHEN, D. Y., and LONG, R. B. Pump irrigation costs Lea County. N. Mex. Agr. Exp. Sta. Res. Rep. 111,6 p. 1965? 100 N465R
- 67460 CH'EN YUNG-KUEL. The revolutionary determination of Ta-chai. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 22:3-13. Dec.30,1964. (JPRS: 28,051) 173 J663Tcf
Chiefly irrigation.
Translation from Jen Min Shou Ts'e, Oct. 1964:83-87.
Issued by CFSTI.
- 67461 CHERNYKH, E. A proposed classification for irrigation systems. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 79:8-13. June 25, 1965. (JPRS 30,793) 173 J663Tso
Translation from-Narodnoye Khozyaystvo Sredney Azii 1:36-38. 1965.
Issued by CFSTI.
- 67462 CHOUR, V. Study of "Vltava-8" irrigation system. (Rus) Gidrotekh. Melior. 3:55-58. Mar. 1966. 290.8 G362
In Czechoslovakia.
- 67463 CIARROCCA, V. Italian reclamation experts in Egypt. (It) G. Agr. 76(19):215. May 8,1966. 16 It1G
Observations on irrigation.
- 67464 CLYMA, W., and LOTSPEICH, F. B. Water resources in the High Plains of Texas and New Mexico. U. S. Agr. Res. Serv. ARS-41-114, 14 p.,map. Ref. Jan.1966. A56.9 R31
- 67465 CRISTEA, V. Results of planning and implementation of works on the reclamation of sandy soils in the Oltenia region. (Rum) Probl. Agr. [Bucharest] 18(1):81-87. Jan.1966. 21 R862
- 67466 CULVER, R., and SINKER, R. F. Rapid assessment of sprinkler performance. Amer. Soc. Civil Eng. J. 92(IR1,proc.pap.4706):4706:1-17. Mar.1966. 290.9 Am3Ps
- 67467 CURTIS, W. R. Forest zone helps minimize flooding in the driftless area. J. Soil Water Conser. 21(3):101-102. May/June 1966. 56.8 J822
- 67468 DAO HYONG. Determination of rice water consumption. (Rus) Gidrotekh. Melior. 3:22-29. Mar.1966. 290.8 G362
- 67469 DASTANE, N. G. Water use in irrigation. Indian Farming 15(3):33-40. June 1965. 22 In283
- 67470 DECOURSEY, D. G. A runoff hydrograph equation. U. S. Agr. Res. Serv. ARS-41-116,23 p. Feb.1966. A56.9 R31
- 67471 DEMBEREL, TS. Vital tasks of water conservancy. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:28-30. Apr.25,1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
For irrigation purposes.
Translation from Unen, Dec.5,1965:2.
Issued by CFSTI.
- 67472 DIJKSTRA, R. J. Advantages and disadvantages of plastic drain pipes and drain tiles; a literature survey. 12 p. Ref. Transl. 14543
Translation from Landbouwdocumentatie 20 (19):659-669. May 9,1964.
- 67473 DISCUSSION of problems of irrigation and land reclamation at the February Plenum of the Central Committee CPSU [Kommunisticheskaya Partiya Sovetskogo Soyuza, Tsentral'nyi Komitet]. 23 p. (JPRS 25,309; TT 64-31589) Transl. 14186
Translation from Gidrotekhika i Melioratsiya 4:3-21. 1964.
CFSTI: \$.75.
- 67474 DMITRIEV, V. S. Development of wheat irrigation in steppe regions. (Rus) Gidrotekh. Melior. 4:7-20. Apr.1966. 290.8 G362
- 67475 DMITRIYEV, K. Irrigation for pasture lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 79:4-7. June 25,1965. (JPRS 30,793) 173 J663Tso
Translation from Kolkhozno-Sovkhoznoye Proizvodstvo 3:25-26. 1965.
- 67476 DOKOV, D. The Zhrebchevo water power system. U. S. Joint Publ. Res. Serv. Transl. East. Europe Agr. Forest. Food Indus. 437:1-22, map. May 5,1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
For irrigation in Bulgaria.
Translation from Stroitelstvo 11:13-19. Nov. 1965.
Issued by CFSTI.
- 67477 DREW, D. H. Irrigation studies on summer cabbage. J. Hort. Sci. 41(2):103-114. Ref. Apr.1966. 80 J825
- 67478 DUGAN, H. P. Bureau of Reclamation, region 7 status in Nebraska. Nebr. State Irrig. Ass. Proc., 73d Annu. Conv.:56-62. 1965. 55.9 N27P
- 67479 DURAND, J. H. Hydrological studies applied to soil reclamation. (Fr) Agron. Trop. [Paris] 20(12):1262-1269. Dec.1965. 26 Ag86
Drainage.
- 67480 DZHAL'CHIBAEV, D., and others. Complex mechanization of lining operation in construction of irrigation. (Rus) Gidrotekh. Melior. 4:37-41. Apr.1966. 290.8 G362
V. Il'in, G. Kurinskii, B. Bakanov, and K. Bobrov, joint authors.
- 67481 ELLIS, H. M. Irrigation in the rain belt. Nat. Reclam. Ass. Proc., 34th Annu. Conv.:91-95. 1965. 55.9 N212
- 67482 ELLIS, W. H. Watercourses—recreational uses for water under prior appropriation law. Natur. Resources J. 6(2):181-185. Ref. Apr. 1966. L9 N19
Colorado.
- 67483 ENNIS, L. Watering your lawn. Auburn Univ. Ext. Circ. P-4,6 p.-folder. Jan.1966. 275.29 AL14Cp

- 67484 EXNER, C. Directions for the planning and construction of half-stationary overhead irrigation systems. (Ge) *Feldwirtschaft* 7(3):143-144. Mar.1966. 18 W763
- 67485 FALCHI, P. Flow irrigation on platbands and double slope beds. (It) *Prog. Agr.* [Bologna] 12(2):175-192. Feb.1966. 58.8 P94
- 67486 FEHRENBACHER, J. B., and others. Natric soils in Illinois; gypsum shows promise for increasing productivity of "slick spots" or "scalds" in the south-central and western parts of the State. Ill. Res. 8(1):5-7, map. Winter 1966. 100 IL64
R. T. Odell, P. E. Johnson, and B. A. Jones, joint authors.
- 67487 FERNANDEZ MORENO, J. Fruit irrigation. (Sp) *Agricultura* [Madrid] 34(400):429-435. Ref. Aug.1965. 15 Ag84
- 67488 FINGER, O. Construction, planning, and economics of field irrigation. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(8):280,282,284. Feb.24, 1966. 18 N39
- 67489 FOGEL, M. Harvesting water. *Progr. Agr.* Ariz. 18(1):8-9. Jan./Feb.1966. 6 P9452
Catchment area and storage tanks.
- 67490 FORSTNER, P. Water system for grassland in the comitat of Vas. (Hu) *Magyar Mezogazdasag* 21(16):15-16. Apr.20,1966. 19 M27
- 67491 FRITZSCHE, O. Semi-stationary sprinkling installation with buried rigid PVC tubes in the LPG Gesow. (Ge) *Deut. Agrartech.* 16(3):143. 1966. 58.8 D482
- 67492 GALPERTI, D. Irrigation costs and returns. (It) *Prog. Agr.* [Bologna] 11(11):1091-1104. Nov.1965. 58.8 P94
- 67493 GARRETSON, F. Our Western water problems. *Amer. Eng.* 36(5):24-29. May 1966. 290.8 Am32
- 67494 GARTON, J. E. Time clock control helps to automate furrow irrigation. *Cotton Trade J. Int. Edition* 1966(automation No.):58-60. 72.8 C8214I
Cotton.
- 67495 GLIDDEN, T. W. Water law—the rise and fall of New Mexico's Templeton Doctrine. *Natur. Resources J.* 6(2):325-333. Ref. Apr.1966. L9 N19
- 67496 GOLDBERG, D., and GORNAT, B. The effect of irrigation intensity on soil structure and on peanuts growing in heavy soil. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 509,11 p. Dec.1965. 107 R26
English summary.
- 67497 GONCHARENKO, P. A. Development of irrigation in the northern Caucasus. (Rus) *Gidrotekh. Melior.* 4:27-30. Apr.1966. 290.8 G362
- 67498 GORODETSKII, A. S. Irrigated cultivated fields as a problem of hygiene. (Rus) In *Ochistka i ispol'zovanie stochnykh vod i promyshlennykh vybrosov* 1964:124-128. Not in Libr.
Sewage utilization and purification in agriculture.
Cited in *Ref. Zh. Khim.* 19(sect.I):24. Oct. 1965. 241.64 R252
- 67499 GOVERNORS' panel—"the water problems of the Great Plains States." *Nat. Reclam. Ass. Proc.*, 34th Annu. Conv.:15-19. 1965. 55.9 N212
Panel members: W. H. Avery, N. A. Boe and F. B. Morrison.
- 67500 GRAHAM, C. W. Flood protection benefits in the Sulphur Creek watershed. *J. Soil Water Conserv.* 21(2):49. Mar./Apr.1966. 56.8 J822
- 67501 GRAY, D. M., MURRAY, J. M., and NICOLAICHUK, W. Frequency of occurrence of evaporation extremes as applied to the design of irrigation systems. *Can. Agr. Eng.* 8(1):12-14,39. Jan.1966. 58.8 C164
- 67502 GRINBERG, L. Certain problems of land reclamation work in Turkmenia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:127-131. June 16,1965. (JPRS 30,640) 173 J663Tso
Chiefly drainage.
Translation from *Turkmenskaya Iskra*, Feb.28,1965:3.
Issued by CFSTI.
- 67503 GRUMEZA, N. Establishment of the irrigation regime and managerial works for irrigated vineyards and orchards. (Rum) *Gradina, Via Livada* 14(1):26-36. Jan.1965. 80 G78
- 67504 GULHATI, N. D. Administration and financing of irrigation works in India. India. Cent. Board Irrig. Power. Publ. 77,104 p., map. 1965. 55.9 In222
- 67505 HA KE TAN, Hydronic works for two years. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 150:7-9. Mar.8,1965. (JPRS 29,025) 173 J663Trn
Translation from *Quan Doi Nhan Dan* 1463:4. Jan.9,1965.
Issued by CFSTI.
- 67506 HAASE, H. Sprinkling on command. (Ge) *DLZ (Deut. Landtech. Z.)* 17(4):214,216. Apr.1966. 58.8 T677
Equipment.
- 67507 HAMMOND, R. J. Convention and limitation in benefit-cost analysis. *Natur. Resources J.* 6(2):195-222. Ref. Apr.1966. L9 N19
Water resources policy.
- 67508 HAMMOND, R. P. Large scale nuclear desalination—present status and future prospects. *Nat. Reclam. Ass. Proc.*, 34th Annu. Conv.:100-108. 1965. 55.9 N212
- 67509 HART, W. E., and REYNOLDS, W. N. Analytical design of sprinkler systems. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):83-85,89. 1965. 290.9 Am32T
- 67510 HAVEMAN, R. H. Water resource investment and the public interest; an analysis of Federal expenditures in ten Southern States. Nashville, Vanderbilt Univ. Press, 1965. 199 p. HD1695.S65H3
Bibliography, p.185-192.
- 67511 HENDRICKSON, G. E., and DOONAN, C. J. Ground-water resources of Dickinson County, Michigan. *Mich. Dep. Conserv. Geol. Surv. Div. Water Invest.* 5,49 p., map. 1966. 292.9 M584W
- 67512 HENKEL, G. Introduction of the improvement cadaster as important basis for the planning and management of the improvement operation. (Ge) *Feldwirtschaft* 7(3):137-139. Mar.1966. 18 W763
Mapping of irrigation and drainage projects.
- 67513 HERRMANN, R. Vergleichende Hydrogeographie des Taunus und seiner südlichen und südöstlichen Randgebiete [Comparative hydrogeography of the Taunus and its southern and southeastern borders]. *Glensener Geogr. Schr.* 5,152 p. 1965. 278.8 G36
English summary.
Bibliography, p.147-152.
Runoff and ground water.
- 67514 HIDORE, J. Fifty-year linear trends of runoff on selected watersheds in the United States. *J. Hydrol.* 4(1):98-102, map. Apr.1966. 292.8 J82
- 67515 HSU I-AN, and YUEH YEH. The experience of planned use of water in the irrigation district of Shensi Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 28:9-22. Feb.11,1965. (JPRS: 28,714) 173 J663Tcf
Translation from *Chung-kuo Nung Pao* 6:35-39,12. June 10,1964.
Issued by CFSTI.
- 67516 JANSSEN, B. C. E., and OOSTRA, A. D. De verbetering van de waterbeheersing in de ruijverkaveling Lollebeek [The improvement of water control in the Lollebeek consolidation area]. *Wageningen. Inst. Cultuurtech. Waterhuishouding. Verspreide Overdrukken* 17,11 p., map. 1964. 282.9 W12V

- 67517 JENSEN, M. E., and HOWE, O. W. Performance and design of border checks on a sandy soil. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1): 141-145. Ref. 1965. 290.9 Am32T
Irrigation.
- 67518 JOGLEKAR, D. V. Irrigation research in India. *India. Cent. Board Irrig. Power. Publ.* 78, 159 p., map. Ref. 1965. 55.9 In222
Includes reclamation.
- 67519 JOHANSSON, W. Adjustment of irrigation to soil, crop and weather. (Sw) *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 74:18-21. 1965. 11 Up62A
- 67520 JONES, D. S. Report for the Department of Water Resources. *Nebr. State Irrig. Ass. Proc.*, 73d Annu. Conv.:28-39. 1965. 55.9 N27P
- 67521 KACHIKOV, S. Irrigation in Kherson region making considerable headway. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 81:4-6. June 30, 1965. (JPRS 30,882) 173 J663Tso
Translation from *Rabochaya Gazeta*, May 27, 1965:1.
Issued by CFSTI.
- 67522 KADAR, B. Investigation of rentability of irrigation investments. (Hu) *Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai* 1964: 259-267. Ref. 105.9 D354
German summary.
- 67523 KADAR, L. Hydraulics in the protection of hoses. (Hu) *Mezogazdasagi Tech.* 5(11):18-19. 1965. 58.8 M572
- 67524 KAPPES, R. Economic viewpoints in overhead irrigation and simple irrigation methods. (Ge) *Feldwirtschaft* 7(3):139-143. Mar. 1966. 18 W763
Includes costs.
- 67525 KASAKOV, V. A regulated working cutter for trenchless closed drainage. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:81-84. Feb. 1966. 20 V633
- 67526 KIRKHAM, D. Steady-state theories for drainage. *Amer. Soc. Civil Eng. J.* 92(IR1,proc. pap.4707):19-39. Mar. 1966. 290.9 Am3Ps
- 67527 KLIMKO, A. I., and PASSINSKII, V. M. Perforation of plastic drainage pipes. (Rus) *Gidrotekh. Melior.* 3:35-40. Mar. 1966. 290.8 G362
- 67528 KONSTANTINOV, V., and POPOV, S. Irrigation pumping stations in Bulgaria. (Rus) *Gidrotekh. Melior.* 3:59-61. Mar. 1966. 290.8 G362
- 67529 KOSTYUKOV, M. I. Economic feasibility of pasture irrigation in Kazakh SSR. (Rus) *Gidrotekh. Melior.* 3:41-45. Mar. 1966. 290.8 G362
- 67530 KRAMER, H. H. Experiment Station research in irrigated crops. *Nebr. State Irrig. Ass. Proc.*, 73d Annu. Conv.:44-55. 1965. 55.9 N27P
- 67531 KRUGER, W. E., and BASSETT, D. L. Unsteady flow of water over a porous bed having constant infiltration. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):60-62. 1965. 290.9 Am32T
As in surface irrigation.
- 67532 KUHLMAN, A. R. Water on South Dakota rangelands. *S. Dak. Farm Home Res.* 17(1): 24-26. Winter 1966. 100 So82S
- 67533 KUO, T. Y., YANG, P. Y., and WANG, T. C. Recent development in China of irrigation using city waste water. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol.* 170:27-46. Apr. 14, 1965. (JPRS 29,597; TT 65-30740) 173 J663Tcco
Translation from *K'o Hsueh T'ung Pao* 2:134-141. Feb. 1965.
Issued by CFSTI.
- 67534 LEATHAM, W. J. When and how to irrigate your fields. *Indian Farming* 15(7):20-22. Oct. 1965. 22 In283
- 67535 LEBEDEV, B. M. Dozhdeval'nye mashiny; teoriya i konstruksii [Overhead irrigation equipment; theory and construction]. *Moskva, Mashinostroenie*, 1965. 255 p. Ref. S613.L4
- 67536 LEBENDIG, K. Soil improvement through drainage. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81 (15):636,638. Apr. 14, 1966. 18 N39
- 67537 LE TAI. Nhu Khe Committee did good irrigation leadership work. *U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.) N. Vietnam* 3: 138-143. Apr. 27, 1965. (JPRS: 29,770) 173 J663Th
Translation from *Hoc Tap* 3:72-76. Mar. 1965.
Issued by CFSTI.
- 67538 LEVINA, A. New irrigation equipment. *U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach* 273:6-8. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from *Informatsionnyy Byulleten'* VDNKh 1:25. 1966.
Issued by CFSTI.
- 67539 LITOVCHENKO, V., and MURZAYEV, P. The increase of the rate of draining and conversion of the Kuban flats. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 62:33-37. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from *Ekonomika Sel'skogo Khozyaystva* 9: 85-87. Sept. 1964.
Issued by CFSTI.
- 67540 LI MAN-HUI. Reduction of hydraulic engineering cost for the farms of the mountain regions. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr.* 59:1-7. June 21, 1965. (JPRS: 30,703) 173 J663Tcf
Irrigation and water conservation in mountain areas.
Translation from *Nung Tien Shui Li Yu Shui T'u Pao Ch'ih* 2:11-13. Feb. 1965.
Issued by CFSTI.
- 67541 LIU, C. M., and others. Runoff forecast of storms over loess: preliminary experimental study. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol.* 170:69-75. Apr. 14, 1965. (JPRS 29,597; TT 65-30740) 173 J663Tcco
P. H. Hung, M. H. Tseng, and I. Ch'eng, joint authors.
Translation from *K'o Hsueh T'ung Pao* 2:158-161. Feb. 1965.
Issued by CFSTI.
- 67542 LIU CHEN-CH'I. Water conservancy construction in Hupeh Province. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr.* 30:21-26. Feb. 18, 1965. (JPRS: 28,823) 173 J663Tcf
Translation from *Nung T'ien Shui Li Yu Shui T'u Pao Ch'ih* 2:1-3. Aug. 9, 1964.
Issued by CFSTI.
- 67543 LONGWILL, S. M. Ground-water resources of the Brunswick formation in Montgomery and Berks Counties, Pennsylvania. *Harrisburg, 1965. 59 p. Ref. (Pennsylvania. Topographic and Geologic Survey. Bulletin W 22) 406 P383B*
- 67544 LOOMIS, G. L. The assault on salt in the Pecos. *Reclam. Era* 52(2):37-39. May 1966. 156.84 R24
Quality of irrigation water.
- 67545 LOPATNIKOV, L. Construction of the Irtysh-Karaganda canal. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 63:38-44. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from *Ekonomicheskaya Gazeta*, Oct. 24, 1964:18.
Issued by CFSTI.
- 67546 L'VOVICH, M. The role of science in water conservation. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 75:118-122. June 16, 1965. (JPRS 30,640) 173 J663Tso
For cultivated land.
Translation from *Ekonomicheskaya Gazeta* 7: 8. Feb. 1965.
Issued by CFSTI.
- 67547 LYLES, L., and ALLEN, R. R. Landforming for leaching of saline soils in a nonirrigated area. *J. Soil Water Conserv.* 21(2):57-60. Mar./Apr. 1966. 56.8 J822
Land leveling and diking.

- 67548 MAGKLARAS, A. Indicated branches of production in the Acheloos projects area. (Gre) Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos 6:169-172. Nov./Dec.1965. 275,249 G81
Chiefly irrigation for agricultural use and land improvement.
- 67549 MAHMUD, R. The appropriation of three million gineh for the achievement of the Rayan Valley project in two years. U. S. Joint Publ. Res. Serv. Transl. Middle East. 209:28-29. Apr.15, 1966. (JPRS 35,064; TT 66-31502) 173 J663Trm
Irrigation.
Translation from Al-Ahram, Mar.15,1966:7. Issued by CFSTI.
- 67550 MANN, F. L., and others. Water-use law in Missouri. Mo. Agr. Exp. Sta. Res. Bull. 889, 68 p. Oct.1965. 103 M593
J. McLarney, R. D. Angle, and F. Miller, joint authors.
- 67551 MARANO, B. Irrigation by infiltration flow and overhead irrigation. (It) Naples, Univ. Fac. Sci. Agr. Ann. (ser.3)30:73-84. 1964/65. 105,4 P83
English summary.
- 67552 MARCHETTI, M. General aspects of the automation of the pumping system of sprinkler irrigation. (It) Irrigazione 12(4):4-8. 1965. 55,8 Ir733
English summary.
- 67553 MARKOV, G. A regional breakdown of irrigated areas on the basis of indices of aridity and natural water supply. 14 p. (JPRS 24,994; OTS 64-31439) Transl. 14204
Translation from Rastenievudni Nauki 1(3): 159-166. 1964.
CFSTI: \$.50.
- 67554 MARQUIS, R. H. Implications of water rights for engineers. Amer. Soc. Civil Eng. J. 92 (IR1,proc.pap.4721):49-54. Ref. Mar.1966. 290,9 Am3Ps
- 67555 MASHYKOV, K. K., RABOCHEV, I. S., and MURADOV, S. N. The Karakum canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74: 11-15. June 7,1965. (JPRS 30,451) 173 J663Tso
Translation from Turkmenskaya Iskra, Apr.24,1965:3.
Issued by CFSTI.
- 67556 MASLOV, B. S. Salinization control on irrigated lands in USA. (Rus) Gidrotekh. Melior. 4:53-57. Apr.1966. 290,8 G362
- 67557 MEHROTRA, C. L., GANGWAR, B. R., and KHANNA, S. S. Studies on soil moisture under wheat cultivation on the Gangetic alluvial soils. Indian Soc. Soil Sci. J. 13(2):71-79. Ref. June 1965. 56,9 In2
In connection with irrigation.
- 67558 MEHTA, T. R. Irrigation or fertiliser. Fert. News 11(3):7-9. Mar.1966. 57,8 F4123
Effects on grain yields.
- 67559 MERRIAM, J. L. A management control concept for determining the economical frequency of irrigation. Amer. Soc. Agr. Eng. Pap. 206, 25 p. 1965. 290,9 Am32P
- 67560 METTEO, A. Irrigation and development of lands. (It) Agricoltura 14(8):17-104. Ref. Aug.1965. 16 Ag8226
- 67561 MEYBOOM, P. Unsteady groundwater flow near a willow ring in hummocky moraine. J. Hydrol. 4(1):38-62. Apr.1966. 292,8 J82
- 67562 MICHAEL, A. M. Prefabricated concrete channels for irrigation. Indian Farming 15(10): 42-43. Jan.1966. 22 In283
- 67563 MIHALYFALVY, I. Irrigational production of sugar beets. (Hu) Mezogazdasagi Vilagirodalom 7(6):485-487. (Concl.) Ref. 1965. 19 M577
Review of literature.
- 67564 MILNE, J. L. The solid set saga. West. Farm Equip. 63(5):14-16. May 1966. 58,8 Im73
Solid set sprinkler irrigation systems in the West.
- 67565 MISHINA, N., and SATO, M. Seismic damage to irrigation and drainage facilities on Niigata alluvial plain. Soil Found. 6(1):31-37. Jan.1966. 290,8 So3
- 67566 MOHAN, J. C. Water requirement of rice crop in Madras. Madras Agr.'J. 52(5):230-238. Ref. May 1965. 22 M262
Irrigation experiments.
- 67567 MOHAN, S. Irrigation in black cotton soils of Bellary. J. Soil Water Conserv. India 13(1/2): 22-29. Jan./June 1965. 56,8 J824
- 67568 MONTANO P., S. Irrigation coefficients. (Sp) Tierra [Mexico] 20(10):785,840. Oct.1965. 8 T445
- 67569 MURTHY, K. V. R. Electronic analogue for flood routing based on Muskingum storage equation. Irrig. Power 22(4):443-452. Oct. 1965. 55,9 In222C
- 67570 NATIONAL RECLAMATION ASSOCIATION. Proceedings of the thirty-fourth annual convention, November 10, 11, 12, 1965, Kansas City, Missouri. Washington, 1965. 158 p. 55,9 N212
- 67571 NEBRASKA STATE IRRIGATION ASSOCIATION. Proceedings of the seventy third annual convention, December 1-3, 1965. n.p., 1966? 137 p. 55,9 N27P
Held jointly with the twenty second annual convention of the Nebraska Reclamation Association.
- 67572 NEGOMIREANU, V., LUCA, I., and NITA, C. Principles of a sound management of irrigation system. (Rum) Probl. Agr. [Bucharest] 18(1): 20-30. Jan.1966. 21 R862
Effect on yields of field crops.
- 67573 NONVEILLER, S. Yugoslav enterprises cooperate in transforming desert into fertile land in the UAR. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 262:22-39, map. (JPRS 33,966; TT 66-30409) 173 J663Tree
Reclamation and irrigation.
Translation from Gradjevinar 10:383-392. Oct.1965.
- 67574 OLSON, S. H. Some conceptual problems of interpreting the value of water in humid regions. Water Resources Res. 2(1):1-11. Ref. First Q. 1966. 292,8 W295
With reference to irrigation water in the Western States.
- 67575 ORSBORN, J. F. The prediction of piezometric groundwater levels in observation wells based on prior occurrences. Water Resources Res. 2(1):139-144. First Q.1966. 292,8 W295
- 67576 OTUZOV, O. The Kizul'-Ayakshiy hydrounit. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 120:15-16. Apr.19,1966. (JPRS 35,108; TT 66-31545) 173 J663Tso
Irrigation project.
Translation from Turkmenskaya Iskra, Mar.13,1966:2.
Issued by CFSTI.
- 67577 OZDEADZHIYEV, A. Problems of agriculture in Dagestan discussed. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 125:6-9. May 26, 1966. (JPRS 35,727; TT 66-32162) 173 J663Tso
Chiefly irrigation policies.
Translation from Sel'skaya Zhizn' 22:2. Mar. 1966.
Issued by CFSTI.
- 67578 PACKARD, R. L. India's water supply, a vital but limited resource. Foreign Agr. Incl. Foreign Crops Markets 4(21):3-5. May 23, 1966. A281,9 F76Fo
- 67579 PANOVA, V. Effectiveness of reclamation. (Rus) Ekon. Sel'skogo Khoz. 3:102-108. Mar. 1966. 281,8 So73
- 67580 PANOVA, V. K., and NIKITIN, I. D. Effectiveness of drainage in non-Chernozem zone of RSFSR [Russian Soviet Federated Socialistic Republic]. (Rus) Gidrotekh. Melior. 4:30-37. Apr.1966. 290,8 G362

- 67581 PIGORINI, G. Considerations on some systems of automatism of the electropumps service in the pumping plants of sprinkling waters. (It) *Irrigazione* 12(4):32-38. 1965. 55.8 Ir733 English summary.
- 67582 PILLSBURY, A. F., and BLANEY, H. F. Salinity problems and management in river systems. *Amer. Soc. Civil Eng. J.* 92(IR1,proc. pap. 4733):77-90. Ref. Mar.1966. 290.9 Am3Ps Irrigation water.
- 67583 POHJAKAS, K. Distribution rates and patterns from plastic subirrigation pipe. *Can. Agr. Eng.* 8(1):37-38. Jan.1966. 58.8 C164
- 67584 POPESCU, B. Present problems of irrigation. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 438:11-16. May 10, 1966. (JPRS 35,434; TT 66-31870) 173 J663Ste Rumania. Translation from *Agricultura Socialista* 4(13): 1-2. Mar.31,1966. Issued by CFSTI.
- 67585 PORTER, J. R. The fragile breath of life: how to keep it going: drawing water from wastes. *Saturday Rev.* 49(19):48. May 7, 1966. 110 Sa82
- 67586 PRICHARD, B. A. Real economies from rehabilitation. *Reclam. Era* 52(2):44-47. May 1966. 156.84 R24 Maintenance of irrigation projects.
- 67587 QUACKENBUSH, T. H. Show your farmers how to manage irrigation water. *Farm Technol.* 22(5):10-11,21. May 1966. 275.28 N213
- 67588 QUADER, M. A. Studies on the reclaimed coastal soils of East Pakistan. *Dacca, Agr. Inform. Serv.*, 1965? 50 p. Ref. S599.P23Q3 Analyses.
- 67589 RACHINSKIY, A. Proceeding scientifically in developing water resources. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 118:1-9. Mar.30,1966. (JPRS 34,817; TT 66-31256) 173 J663Tso Irrigation and reclamation policies. Translation from *Kommunist Uzbekistana* 11: 76-82. Nov.1965. Issued by CFSTI.
- 67590 RANGANATHAN, V., GHOUSE, L. M., and KANNAN, S. Studies on crop-log procedure. I. Preliminary studies on irrigation control measures for ripening the cane. *Indian Sugar [Calcutta]* 15(11):723-724,729. Feb.1966. 65.8 In26
- 67591 RAWNSLEY, J. R. A water balance study at Napier, Hawke's Bay, in relation to drainage and irrigation requirements. *Soil Water* 2(3): 27-20. Mar.1966. 56.8 So323
- 67592 REED, E. C. Ground water report for 1965. *Nebr. State Irrig. Ass. Proc.*, 73d Annu. Conv.: 39-43. 1965. 55.9 N27P
- 67593 REFEGA, A. Irrigation problems. I. (Por) *Gaz. Agr. Angola* 11(2):836-840. Feb.1966. 24 G252
- 67594 RENARD, W., and STEIN, J. Die Wasserverteilung von Dusen zur Bewässerung von Kulturen unter Glas [Water distribution of nozzles for crop irrigation under glass]. *Kuratorium Tech. Landwirt. Ber. Landtech.* 89(1),141 p. Ref.,p.39-40. 1965. 18 K96 English summary.
- 67595 RENNE, R. R. Water research and reclamation development. *Nat. Reclam. Ass. Proc.*, 34th Annu. Conv.:82-87. 1965. 55.9 N212
- 67596 RIHA, J. Udrzba drenaznich siti [Maintenance of drainage network]. *Praha, Statni Zemedelske Nakladatelstvi*, 1966. 148 p. Ref. S321.R5
- 67597 ROCHLITZER, Water in the service of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 435: 1-5. Apr.27,1966. (JPRS 35,209; TT 66-31646) 173 J663Ste In East Germany. Translation from *Die Wirtschaft* 6:5. Feb. 1966. Issued by CFSTI.
- 67598 RODER, W. The Sabi Valley irrigation projects. Chicago, 1965. 213 p.,map. Ref.,p.209-213. (Chicago. University. Department of Geography. Research Paper No.99) HD1741.R4R6
- 67599 ROSA, J. M. An electric analog for computing direct surface runoff. U. S. Agr. Res. Serv. *ARS-41-118*, 28 p. Ref. Apr.1966. A56.9 R31
- 67600 SALAY, G. Results of tests with the utilization of waste water for irrigation. (Rum) *Probl. Agr. [Bucharest]* 18(1):88-91. Jan.1966. 21 R862
- 67601 SATO, S. Ground water rights and depletion deduction. *Natur. Resources J.* 6(2):237-247. Ref. Apr.1966. L9 N19
- 67602 SCHULZ, M. Status and improvement of cooperation relationships in amelioration. U. S. Joint Publ. Res. Serv. Transl. East. Europe. *Agr. Forest. Food Indus.* 409:6-10. Jan.7, 1966. (JPRS 33,647; TT 66-30091) 173 J663Ste Translation from *WTF Feldwirtschaft* 6(12): 551-552. Dec.1965. Issued by CFSTI.
- 67603 SENIN, A. Irrigation in Khersonskaya Oblast. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:20-23. Mar.9,1965. (JPRS 29,041) 173 J663Tso Translation from *Trud*, Oct.24,1963:2. Issued by CFSTI.
- 67604 SERRANO CERMENO, Z. Recovery of saline soils by sanding. (Sp) *Agricultura [Madrid]* 35 (407):124-129. Mar.1966. 15 Ag84
- 67605 SHANKARNARAYANA, H. S., MOGHE, V. B., and MATHUR, C. M. An appraisal of the quality of saline ground waters of arid tract of Western Rajasthan for agricultural utilization. *Indian Soc. Soil Sci. J.* 13(2):103-108. Ref. June 1965. 56.9 In2 Utilization for irrigation.
- 67606 SHENSI PROVINCE, DEPT. OF WATER CONSERVANCY. Irrigation administration in Shensi Province. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 30:7-20. Feb.18,1965. (JPRS: 28,823) 173 J663Tcf Translation from *Nung T'ien Shui Li Yu Shui T'u Pao Ch'ih* 5:1-6. Nov.9,1964. Issued by CFSTI.
- 67607 SHIH, Y. C. Comprehensive improvement of inland saline soil on North China plain. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 4:27-38. Dec.9,1965. (JPRS 33,258; TT 65-33833) 173 J663Tt Translation from *Ti Li* 4:154-156. July 27, 1965. Issued by CFSTI.
- 67608 SHUL'TS, M. Kruglogodovoe oroshenie stochnymi vodami [Year-round irrigation with sewage]. *Moskva, Kolos*, 1965. 191 p. Ref. TD760.S5 Field crops.
- 67609 SINE, L., and VERMEIREN, L. Contribution to the hydraulic study of drainage sheets. 2. Variable system. (Fr) *Gembloux. Inst. Agron. Bull.* 33(3):424-440. 1965. 105.1 G285
- 67610 SKOGERBOE, G. V. Rating submerged gates for flow measurement in open channels. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):101-102. Ref. 1965. 290.9 Am32T Irrigation.
- 67611 SMERDON, E. T., and GLASS, L. J. Surface irrigation water-distribution efficiency related to soil infiltration. *Amer. Soc. Agr. Eng. Trans. ASAE* 8(1):76-78,82. 1965. 290.9 Am32T
- 67612 SMIRNOV, N. I. Some peculiarities of reclamation of boggy lands in non-Chernozem zone of the USSR. (Rus) *Gidrotekh. Melior.* 3:1-15. Mar.1966. 290.8 G362 Chiefly drainage.
- 67613 SMITH, W. C. Irrigation in North Central Nebraska. *Nebr. State Irrig. Ass. Proc.*, 73d Annu. Conv.:22-28. 1965. 55.9 N27P

- 67614 SOLOMONIYA, O. G. Determination of optimal irrigation schemes and calculation of water supply from unregulated springs. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 39(1):115-122. July 1965. 511 Ak146
- 67615 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. Flood irrigators! What size engine do you need? S. Australia J. Agr. 69(7):254-255. Feb. 1966. 23 So84
Nomogram.
- 67616 STANCU, M. Expanding the use of irrigation in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:39-42. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
In Rumania.
Translation from Viata Economica 9:10. Mar. 1966.
Issued by CFSTI.
- 67617 STEENSBERG, J. Sanitary problems in connection with irrigation with waste water in nurseries and agriculture. (Da) Tidsskr. Landokon. 2:85-97. Ref. Feb. 1966. 11 T43
- 67618 STOCKWELL, H. J. Western water forecast: '66 streamflow down, carryover high. Elec. West 133(6):48-50, map. June 1966. 335.8 J82
Outlook for irrigation water supply.
- 67619 STOJICEVIC, D., and others. Soil reclamation and hydrological characteristics of Donje Polje-Surcin area with regard to drainage and irrigation. (Se) Arh. Poljoprivredne Nauk. 18(62): 3-33, map. 1965. 21.5 Y9
M. Pejkoivic, R. Corovic, and S. Moskovljevic, joint authors.
English summary.
- 67620 SUDAKOV, V., and SHAROV, V. Difficulties in Uzbek water irrigation systems. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 234:7-10. Oct. 26, 1965. (JPRS 32,549; TT 65-33028) 173 J663Tsi
Translation from Pravda Vostoka, Aug. 27, 1965:2.
Issued by CFSTI.
- 67621 SVANI, SH. The utilization of automation for irrigation in Georgia. U. S. Joint Publ. Res. Serv. Transl. Soviet. Agr. 123:5-6. May 17, 1966. (JPRS 35,546; TT 66-31982) 173 J663Tso
Translation from Zarya Vostoka, Apr. 15, 1966:4.
Issued by CFSTI.
- 67622 SWANSON, E. R., and JONES, B. A. Estimating annual investment returns from irrigation of corn. J. Soil Water Conserv. 21(2):64-66. Mar./Apr. 1966. 56.8 J822
- 67623 TAMHANE, R. V. Tackling soils with a lot of salt. Indian Farming 15(7):45, 47. Oct. 1965. 22 In283
Reclamation.
- 67624 TANDA, G. The use the automatisms and dependent elements of the sprinkler systems. (It) Irrigazione 12(4):22-30. 1965. 55.8 Ir733
English summary.
- 67625 TANGBORN, W. V. Glacier mass budget measurements by hydrologic means. Water Resources Res. 2(1):105-110. First Q. 1966. 292.8 W295
Includes runoff measurement in Washington.
- 67626 TAPIAS, R. Overhead irrigation. (Sp) Cult. Mod. 49(2):69. Feb. 1966. 15 C89
- 67627 TAYLOR, B. Reclaiming rice fields from the sea. Freedom Hunger 7(40):21-22. Jan./Feb. 1966. 389.8 F872
Reclamation project in Guinea.
- 67628 TIMOFEEV, A. P. Some experience on complex mechanization of operations when constructing irrigation network. (Rus) Gidrotekh. Melior. 4:41-48. Apr. 1966. 290.8 G362
- 67629 TOLSTOSHEI, O. N., and others. Hygienic evaluation of the effectiveness of the work of irrigating cultivated fields of the city of Donetsk. (Rus) In Ochistka i ispol'zovanie stochnykh vod i promyshlennykh vybrosov 1964:150-160. Not in Libr.
A. P. Lebedeva, I. A. Voloshchuk, and N. P. Kurchavenko, joint authors.
Microorganisms contaminating sewage water for irrigation.
Abstracted in Ref. Zh. Khim. 19(sect. I):24. Oct. 1965. 241.64 R252
- 67630 TOMA, I. Utilization of local water sources for the extension of irrigation on collective farms of Bucharest region. (Rum) Probl. Agr. [Bucharest] 18(1):92-96. Jan. 1966. 21 R862
- 67631 TYURIN, L. P. Some experience on construction of subsurface drainage on quicksand. (Rus) Gidrotekh. Melior. 3:29-32. Mar. 1966. 290.8 G362
- 67632 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Protecting your water supply at its source. U. S. D. A. PA-702, 8 p.-folder. Mar. 1966. 1 Ag84Pro
- 67633 U. S. BUR. OF RECLAMATION. Foss Aqueduct, constructed 1960-1962, Washita Basin Project, Oklahoma. Denver, 1965. 236 p., map. (Its Technical Record of Design and Construction) TD398.U5
- 67634 U. S. CONGRESS. HOUSE. COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. SUBCOMMITTEE ON IRRIGATION AND RECLAMATION. Lower Colorado River Basin Project. Hearing, 88th Cong., 1st sess. on H.R. 4671 and similar bills to authorize the construction, operation, and maintenance of the Lower Colorado River Basin Project, and for other purposes, August 23, 24, 25, 26, 27, 30, 31 and September 1, 1965. Washington, 1965. 961 p., map. HD1740.L6A5
- 67635 U. S. DEPT. OF AGRICULTURE. Evaluation and recommendations for Lower Moulouya Irrigation Project of Morocco, prepared by study team, U.S. Department of Agriculture and U.S. Department of Interior, for U.S. Department of State, Agency for International Development, August-October, 1965. Washington, 1965. 40 p., map. Ref. aS616.M6U5
- 67636 USMANOV, S. Water to irrigate the steppes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 119:1-2. Apr. 12, 1966. (JPRS 35,002; TT 66-31440) 173 J633Tso
Cotton.
Translation from Pravda, Mar. 9, 1966:3.
Issued by CFSTI.
- 67637 WADDLE, B. J. High Plains farmers can't afford to lose; irrigation tail water. Cross Sect. 12(11):3. Apr. 1966. 292.8 C88
- 67638 WERTZ, G. A contribution to the hydraulics of plastic drainage pipes. (Ge) Z. Landeskult. 6(3):197-200. 1965. 282.9 Z3
English summary.
- 67639 WILCOX, J. C. Effects of irrigation interval on peak evapotranspiration per interval. Can. Agr. Eng. 8(1):4-6. Jan. 1966. 58.8 C164
- 67640 WOODING, R. A. A hydraulic model for the catchment-stream problem. III. Comparison with runoff observations. J. Hydrol. 4(1):21-37, map. Ref. Apr. 1966. 292.8 J82
- 67641 WOODSTOCK, M. Wet land is no longer a wasteland. Indian Farming 15(11):36. Feb. 1966. 22 In283
Drainage.
- 67642 YOUNGS, E. G. Horizontal seepage through unconfined aquifers with non-uniform hydraulic conductivity. J. Hydrol. 4(1):91-97. Apr. 1966. 292.8 J82
Derivation of an equation.

- 67643 YUAN KUANG-YAO. The irrigation of wheat in alkaline soil. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 71:11-15. Aug.10,1965. (JPRS: 31,490; TT: 65-31986) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 3:16-18. Mar.9,1965.
Issued by CFSTI.
- 67644 YUEH YEH. Experiences in the irrigation of winter wheat. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 71:1-10. Aug.10,1965. (JPRS: 31,490; TT: 65-31986) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 3:12-15. Mar.9,1965.
Issued by CFSTI.
- 67645 YU WEN-CHAO. Protect channels from seepage to raise utilization rate of irrigation water. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 59:8-12. June 21,1965. (JPRS: 30,703) 173 J663Tcf
Translation from Nung Tien Shui Li Yu Shui T'u Pao Ch'ih 2:14-16. Feb.1965.
Issued by CFSTI.
- Erosion and Erosion Control**
- 67646 ANDERSON, E. J. Conservation practices mark Indian lands across Oklahoma. Soil Conserv. 31(9):202-203. Apr.1966. 1.6 So3S
- 67647 APPANOOSE COUNTY SOIL CONSERVATION DISTRICT. Annual report, 1965. Centerville, 1966. 20 p. 56.9 Ap4
- 67648 BAYUSHEVA, M. I. Formation of runoff in spring from the main agricultural lands and from salinized soils of Kulunda Steppe. (Rus) Pochvovedenie 4:33-40. Apr.1966. 57.8 P34
English summary.
- 67649 BRYANT, W. G. Plant testing at Scone Research Station 1952-1963. II. Warm season species. New S. Wales. Soil Conserv. Serv. J. 22(1):48-65. Ref. Jan.1966. 58.9 N472
Grasses and legumes for erosion control.
- 67650 BUBENZER, G. D., and MEYER, L. D. Simulation of rainfall and soils for laboratory research. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):73,75. 1965. 290.9 Am32T
In soil erosion research.
- 67651 CAMPBELL, D. A. Miracle of management. Soil Water 2(3):5-12. Mar.1966. 56.8 So323
Erosion control and conservation farming.
- 67652 CARREKER, J. R. Wind erosion in the Southeast. J. Soil Water Conserv. 21(3):86-88. May/June 1966. 56.8 J822
- 67653 CHAPMAN, C. W. The importance of forestry in Georgia's soil conservation program. Forest Farmer 25(8):26,50. Apr.1966. 99.8 F7692
Control by planting.
- 67654 DALE-RUDWICK, P. H. Soil conservation and some methods of replanting. Planters' Chron. 60(22):417-421. Nov.15,1965. 22 P693
India.
- 67655 DROZD, M., MARTINI, Z., and PANTERA, B. The influence of soil particles displacement due to cultivator on soil erosion in mountainous areas. 7 p. (OTS 61-31256) Transl. 14293
Translation from Wroclaw. Wyzsza Szkola Rolnicza. Zeszyty Naukowe 17:23-33. 1958.
- 67656 FAIRCHILD, W. D. 1965 activity report of Nebraska Soil and Water Conservation Commission. Nebr. State Irrig. Ass. Proc., 73d Annu. Conv.:96-104. 1965. 55.9 N27P
- 67657 GORDYUSHIN, V. Set of equipment used in control of wind erosion. (Rus) Tekh. Sel'skom Khoz. 4:5-6. Apr.1966. 58.8 M11
- 67658 GRISSINGER, E. H. Resistance of selected clay systems to erosion by water. Water Resources Res. 2(1):131-138. First Q.1966. 292.8 W295
- 67659 GUERIN, P. D. Stabilizing and managing mal-lee sandhills. S. Australia J. Agr. 69(8):305-309. Mar.1966. 23 So84
Soil erosion control by planting.
- 67660 HOOGLIET, W. Stripcropping and crop rotation. Queensland Agr. J. 92(3):164-166. Mar.1966. 23 Q33
- 67661 KAO, T. Battle for soil conservation on loess highlands; a Chinese example. Nigerian Geogr. J. 8(2):152-153. Dec.1965. 331.8 N56
- 67662 KASOV, D. V. Protection of water reservoirs from harmful effect of erosion. (Bu) Gorsko Stopanstvo 21(12):16-19. Dec.1965. 99.8 G682
- 67663 KOVAL, I., and GNEYEV, V. Horizontal terracing of slopes. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:85-88. Feb.1966. 20 V633
English summary.
- 67664 KELSEY, R. F. S. Stripcropping means less turning. Queensland Agr. J. 92(3):162-163. Mar.1966. 23 Q33
Contour stripcropping.
- 67665 KHEMCHANDANI, H. T. Scope and limitation of present policies and procedures in soil conservation programme and need for revision in the future. J. Soil Water Conserv. India 13 (1/2):12-21. Jan./June 1965. 56.8 J824
- 67666 KOCHERGA, F. K. Gornomeliativnye raboty v Srednei Azii i Yuzhnom Kazakhstane [Mountain reclamation works in Central Asia and southern Kazakhstan]. Ed. 2. Moskva, Lesnaya Promyshlennost', 1965. 400 p. Ref. S625.C4K6
Chiefly soil erosion control and terracing.
- 67667 KOLUVEK, P. Concrete stops washouts barrier. (Condensed.) Agr. Eng. 1(3):138. Mar. 1966. 58.8 Ag83
Soil erosion control.
- 67668 KOTOULAS, D. Study on erosion and landslide problems in the experimental forest of the Federal Technical College [Eidgenossische Technische Hochschule]. (Ge) Schweiz. Z. Forstwesen 117(3/4):186-193, map. Mar./Apr.1966. 99.8 J82
- 67669 KRISHNAMURTHY, S. Soil conservation measures benefit the Nilgiri farmers. Madras Agr. J. 52(5):204-216. May 1965. 22 M262
Soil erosion control.
- 67670 KUMAR, S. Soil and water conservation—need of the hour. Ghana Farmer 8(4):121-124. Nov. 1964. 24 G564
- 67671 MASRIERA, J. Erosion of cultivated soils. (Sp) Cult. Mod. 49(3):114-115. Mar.1966. 15 C89
- 67672 MCCONNELL, D. J., MONTEITH, N. H., and BERMAN, R. W. Soil conservation and changing land use in a small New England catchment. New S. Wales. Soil Conserv. J. 22(1):29-41, map. Jan.1966. 56.9 N472
- 67673 MELVIN, R. E., THOMPSON, J. L., and NICHOLAICHUK, W. Runoff frequency from a small prairie watershed. Can. Agr. Eng. 8 (1):7-8, 25, 36, map. Jan.1966. 58.8 C164
- 67674 MEYER, L. D. Simulation of rainfall for soil erosion research. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):63-65. Ref. 1965. 290.9 Am32T
- 67675 MOLDENHAUER, W. C. Procedure for studying soil characteristics using disturbed samples and simulated rainfall. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):74-75. 1965. 290.9 Am32T
In erosion research.
- 67676 MUTCHLER, C. K., and HERMSMEIER, L. F. A review of rainfall simulators. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):67-68. Ref. 1965. 290.9 Am32T
In soil erosion and runoff research.
- 67677 NEWMAN, J. C. Waterponding for soil conservation in arid areas in New South Wales. New S. Wales. Soil Conserv. Serv. J. 22(1):18-23. Ref. Jan.1966. 56.9 N472
- 67678 OBREJANU, G. Aspects of the development of sands and sandy soils of the People's Republic Rumania. (Rum) Probl. Agr. [Bucharest] 18 (1):16-19. Jan.1966. 21 R862
Chiefly prevention of erosion by planting.

- 67679 ORLOV, A. D. Development of erosional processes in Novosibirsk Region. (Rus) Akad. Nauk SSSR. Sibirsk. Otd. Biol. Inst. Tr. 12:140-146. 1964. 442.9 Ak17
- 67680 PALMER, R. S. Waterdrop impact forces. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):69-70, 72. 1965. 290.9 Am32T
In erosion.
- 67681 PEARSE, H. C. H. Fencing and soil conservation. Soil Water 2(3):17-18. Mar. 1966. 56.8 So323
- 67682 PISARENKO, A. I. Proper utilization of mountain slopes. (Bu) Gorsko Stopanstvo 21(2):23-27. Feb. 1965. 99.8 G682
Terracing for erosion control.
- 67683 PLASA, S., and NAKO, I. About some properties of erosion at the Kmenica working site. (Al) Bul. Shkencave Bujesore 1:129-149, map. 1966. 21.5 B87
English summary.
Raindrop erosion and control by planting.
- 67684 PRANGE, F. A. Foreign aid in soil conservation. Soil Conserv. 31(9):195, 206. Apr. 1966. 1.6 So3S
Soil Conservation Service and developing areas.
- 67685 PUTNAM COUNTY, TENNESSEE. SOIL CONSERVATION DISTRICT. 1965 annual report. Cookeville, 1966. 52 p. 56.9 P98
- 67686 SCHIECHTL, H. M. Engineering-biology in forestry. (Ge) Schweiz. Z. Forstwesen 117 (3/4):176-185. Ref. Mar./Apr. 1966. 99.8 J82
French summary.
Chiefly soil and wind erosion control in relation to forest protection.
- 67687 SEGNER, I. Tangential velocity of sprinkler drops. Amer. Soc. Agr. Eng. Trans. ASAE 8 (1):90-93. 1965. 290.9 Am32T
Rain simulation for runoff and erosion studies.
- 67688 SWANSON, N. P. Rotating-boom rainfall simulator. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):71-72. 1965. 290.9 Am32T
In runoff and erosion research.
- 67689 TZOUMAKES, G. The effects of rivers and torrents on the morphology of basins, beds and larger areas. (Gre) Dassika Chron. 8(3):111-117. Mar. 1966. 99.8 D263
Chiefly streambank erosion.
- 67690 VINCZE, O. Soil erosion control in Belusvolgy. (Hu) Magyar Mezogazdasag 21(13):13-14. Mar. 30, 1966. 19 M27
- 67691 WALKER, B. S. Stabilization of land acquired for soil conservation purposes in Keepit catchment. New S. Wales. Soil Conserv. Serv. J. 22 (1):3-8. Jan. 1966. 56.9 N472
- 67692 WARBURTON, B. G. Experimental roadside erosion control demonstration in the shire of Cudgegong. New S. Wales. Soil Conserv. Serv. J. 22(1):9-17, map. Jan. 1966. 56.9 N472
- 67693 WEIGLE, W. K. Erosion from abandoned coal-haul roads. J. Soil Water Conserv. 21(3):98. May/June 1966. 56.8 J822
Control.
- 67694 WERNER, D., SCHWARZ, K., and GORA, A. Concepts and bases for execution of land protection planning, illustrated by the erosion-damaged district of Wickerstedt. (Ge) Z. Landeskult. 6(3):201-218, map. 1965. 282.9 Z3
English summary.
- 67695 WILLIAMS, D. A. World food and soil conservation. Soil Conserv. 31(9):215. Apr. 1966. 1.6 So3S
Soil Conservation Service and developing areas.

Sanitation

- 67696 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Chemical soil treatment in nurseries. (Da) Tidsskr. Planteavl 69(4):568-571. 1966. 11 T439
- 67697 DUBEY, H. D., and FREEMAN, J. F. Leaching of linuron and diphenamid in soils. Weeds 13 (4):360-362. Oct. 1965. 79.8 W41

MATERIALS FOR SOIL IMPROVEMENTChemical Fertilizers

- 67698 BAUMANN, A. N., and ROBERTS, H. H. Automatic P₂O₅ analysis of phosphate rock. Fert. Indus. Round Table. Proc., 15th Annu. Meeting: 59-62. 1965. 57.09 F41
Includes discussion.
- 67699 BOK, I. I. Agronomicheskie rudy [Agrochemical ores]. Ed. 2, rev. and enl. Alma-Ata, Nauka Kazakhskoi SSR, 1965. 306 p. Ref. S633.B6
Mineral fertilizers.
- 67700 CUNNINGHAM, H. G. The micronutrient market. Forms of micronutrients. 2. Farm Chem. 129(2):50, 52. Feb. 1966. 57.8 Am3
- 67701 CUNNINGHAM, H. G. The micronutrient market. Use of micronutrients in mixed fertilizers. 3. Farm Chem. 129(3):68-69. Mar. 1966. 57.8 Am3
- 67702 FASSBENDER, H. W. Fertilizing effectiveness of Peruvian crude phosphates in comparison with other phosphate fertilizers. (Ge) Agrochimica 10(1):48-53. Dec. 1965. 385 Ag84
English summary.
- 67703 HIGNETT, T. M. Fertilizers for the future. Grain Feed J. 123(10):30-32. May 25, 1966. 298.8 G762

Mineral Soil Amendments

- 67704 DROUINEAU, G. Mineral and organic fertilizers. (It) Agr. Italia 11(12):53-70. Ref. Dec. 1965. 16 Ag8232
- 67705 SMIRNOV, N. Production of lime fertilizers. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:57-59. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Stroitel'naya Gazeta, Oct. 16, 1964:3.
Issued by CFSTI.

Fertilizer Technology and Statistics

- 67706 ACHORN, F. P., and LEWIS, J. S. Recent developments in granulation. Fert. Indus. Round Table. Proc., 15th Annu. Meeting: 6-11. 1965. 57.09 F41
Includes discussion.
- 67707 ASAKAWA, K. New trends in communist China's fertilizer industry. 12 p. (JPRS 3735) Transl. 14803
Translation from Ajia Keizai Jumbo 422:1-9. Feb. 10, 1966.
Issued by CFSTI.
- 67708 AVDONIN, N. S. The role of fertilizers in creating the material-technical basis of communism. 12 p. (JPRS 24,137; OTS 64-31048) Transl. 14190
Translation from Moscow. Universitet. Vestnik. Seriya 6. Biologiya i Pochvovedenie 2:7-15. Mar./Apr. 1962.
CFSTI: \$.50.
- 67709 BANCO NACIONAL DO DESENVOLVIMENTO ECONOMICO. DEPT. ECONOMICO. Mercado brasileiro de fertilizantes, 1950-1970 [Brazilian fertilizer market, 1950-1970]. Ed. 2. Rio de Janeiro, 1965. 28 p. HD9483.B3

- 67710 BONN, D. E. Equipment, methods, and controls for fertilizer air pollution problems. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:44-47. 1965. 57.09 F41*
- 67711 CUNHA, H., and ROCHA, F. A. S. Trends and projections of the fertilizer market. (Por) *Rev. Ceres 12(69):139-161. Jan./June 1965. 9.2 C332*
English summary.
- 67712 CUNNINGHAM, H. G. Trace element usage in mixed fertilizer. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:24-26. 1965. 57.09 F41*
Includes discussion.
- 67713 DONATH, E. J. The Australian fertilizer industry. *Com. Fert. Plant Food Indus. 112(5):16,18,20. May 1966. 57.8 C73*
- 67714 FERTILIZER INDUSTRY ROUND TABLE. Proceedings of the 15th annual meeting, November 10-11-12, 1965. Washington, 1965. 105 p. 57.09 F41
- 67715 FLORIDA. DEPT. OF AGRICULTURE. INSPECTION DIV. Summary report of fertilizer materials consumed in Florida for fiscal year July 1, 1964-June 30, 1965. Tallahassee, 1965. 25 p.,map. 58.8 F2292
- 67716 FRICKE, E. F. Registered fertilisers, 1966. *Tasmanian J. Agr. 37(1):77-83. Feb.1966. 23 T182T*
- 67717 GABRIELSON, J. E., FOSTER, J. D., and BURNET, G. Plant nutrients: use of diatomaceous earth to accelerate drying of ammonium nitrate [fertilizer]. *J. Agr. Food Chem. 14(3):271-275. May/June 1966. 381 J8223*
- 67718 GEUS, J. G. DE. Developments in the fertilizer field in the United States of North America. (Du) *Stikstof 5(49):4-19. Ref. Jan.1966. 57.9 St52*
Consumption and bulk blending.
- 67719 HARVEY, R. J. Effect of potassium nitrate additives on ammonium nitrate conditions. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:15-18. 1965. 57.09 F41*
Includes discussion.
- 67720 HEADY, E. O., PESEK, J. T., and RAO, V. Y. Fertilizer production functions from experimental data with associated supply and demand relationships. *Iowa. Agr. Home Econ. Exp. Sta. Res. Bull. 543:655-678. Mar.1966. 100 Io9*
- 67721 IOWA. DEPT. OF AGRICULTURE. Iowa fertilizer report, 1964/65. Des Moines, 1965. 53 p. 57.9 Io9
- 67722 KRONSEDER, J. G., and others. Manufacture of phosphoric acid from A. A. C. [American Agricultural Chemical Corporation] black rock using the Door-Oliver single tank reactor. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:26-34. 1965. 57.09 F41*
R. L. Kulp, A. Jaeggi, and D. W. Leyshon, joint authors.
- 67723 LAPAN, B. Fertilizers, their costs and price. (Rus) *Ekon. Sel'skogo Khoz. 3:109-112. Mar. 1966. 281.8 So73*
- 67724 LICHTWARD, H. E. Pinch-pak packaging. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:34-36. 1965. 57.09 F41*
Fertilizers.
- 67725 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. DIV. OF AGRICULTURAL CHEMISTRY. Tonnage of fertilizer sold in Louisiana by grades, July 1, 1964-June 30, 1965. Baton Rouge, 1965. 2 p. 57.9 L933T
- 67726 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. DIV. OF AGRICULTURAL CHEMISTRY. Tonnage of fertilizer sold in Louisiana by parish and grades, July 1, 1964 through June 30, 1965. Baton Rouge, 1965. 16 p. 57.9 L933R
- 67727 MARTEN, J. M. Automated production and quality control of fertilizers. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:57-58. 1965. 57.09 F41*
- 67728 MEHLICH, A. The effect of calcium and magnesium lime on certain properties of superphosphates. *Kenya Coffee 31(362):73,75. Feb. 1966. 68.29 C652*
- 67729 MEKHAUZATSIYA podgotovki, transportirovki i vneseniya udobrenii [Mechanized preparation, transportation and application of fertilizers]. Moskva, Rossel'khozizdat, 1965. .299 p. S683.M4
- 67730 MIKHAILOV, V. V. Production of phosphate fertilizers outside the USSR. 10 p. Ref. (TT 63-18140) Transl. 15047
Translation from *Khimicheskaya Promyshlennost' 18:28-31. 1941.*
Issued by CFSTI.
- 67731 MISSOURI. AGRICULTURAL EXPERIMENT STATION. Missouri commercial fertilizer inspection and analysis, 1964-65. Mo. Agr. Exp. Sta. SB843,42 p.,map. Dec.1965. 100 M693
- 67732 MORTENSEN, A. Storage and handling of fertilizers. (Da) *Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarsskr. 1965:45-49. 275.9 L97*
- 67733 OBOLENSKII, K. Economical problems in production and application of fertilizers. (Rus) *Planovoe Khoz. 4:73-76. Apr.1966. 280.8 P69*
- 67734 PANEL discussion on nitrophosphates. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:66-100. Ref. 1965. 57.09 F41*
Moderator: W. C. Weber; panel members: R. T. Young, R. J. Piepers, H. Banthien, W. H. Nees, F. W. Brandt, Y. F. Berguin, and T. P. Hignett.
- 67735 PARKER, F. W., and CHRISTENSEN, R. P. Fertilisers and the economics of crop production. *Fert. News 11(2):7-15. Feb.1966. 57.8 F4123*
- 67736 PECHKOVSKIY, V. Belorussian agriculture in need of specific fertilizers due to local soil requirements. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 117:5-7. Mar.23,1966. (JPRS 34,683; TT 66-3122) 173 J663Tso
Mineral fertilizer industry.
Translation from *Sovetskaya Belorussiya, Jan.21,1966:2.*
Issued by CFSTI.
- 67737 PECZNIK, J. Some problems on rentability and effectiveness related to mineral fertilization. (Hu) *Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:185-192. 105.9 D354*
German summary.
- 67738 PERRINE, E. C. Safety—a way of life. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:64-65. 1965. 57.09 F41*
Prevention of accidents in the fertilizer industry.
- 67739 PHILLIPS, A. B., and SCOTT, W. C. Preparation and properties of ammonia-sulfur solutions. *Agr. Ammonia News 16(3):40,42,44, 46. May/June 1966. 381 Ag82*
Fertilizers.
- 67740 POUNDSTONE, B., and HUFFMAN, W. J. Commercial fertilizers in Kentucky, 1965, including a report on official fertilizer samples analyzed July-December, 1965. Ky. Agr. Exp. Sta. Regulat. Bull. 189,23 p. Mar.1966. 100 K41
- 67741 POUNDSTONE, B., GEHRKE, C., and BAKER, W. L. Study on sampling bulk fertilizers: progress report. *Fert. Indus. Round Table, Proc., 15th Annu. Meeting:51-57. 1965. 57.09 F41*
Includes discussion.
- 67742 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61. Industry groups 52-54. Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C.33,54 p. 1966. 270 So824I
Text also in Afrikaans.
Includes fertilizers and tanning extract.

- 67743 ROBERTSON, J. A. Economics of fertilizer use. *Alberta Farm Econ.* 3(4):4. Fall 1965. 281.8 AL12
Includes costs.
- 67744 SAMUELS, L. An inside look at air pollution and dust control in the fertilizer industry. *Fert. Indus. Round Table. Proc.*, 15th Annu. Meeting:42-44. 1965. 57.09 F41
- 67745 SCHMIDT, K. H. Good situation for raw phosphate. (Ge) *Chem. Ind. [Frankfurt]* 18(4):175-177. Apr.1966. 384 C4222
International.
- 67746 SCHOLL, W., and TOLAND, H. P. Fertilizer, fertilizer, fertilizer; annual report shows continuing rise in consumption. *Agr. Chem.* 21(4):23-25,100. Apr.1966. 381 Ag8
Statistical.
- 67747 SMITH, M. G. Fertilizer spearheads agricultural development. *Indian Farming* 15(7):43, 51. Oct.1965. 22 In283
- 67748 SMITH, R. C. Granulation of mixed fertilizers containing potassium nitrate. *Fert. Indus. Round Table. Proc.*, 15th Annu. Meeting:18-22. 1965. 57.09 F41
- 67749 STONE, W. K. A user's viewpoint of the pinch pak system. *Fert. Indus. Round Table. Proc.*, 15th Annu. Meeting:36-39. 1965. 57.09 F41
Fertilizer packing.
- 67750 SYMPOSIUM ON HOW TO AVOID CORROSION PROBLEMS IN HANDLING FERTILIZER. Manufacturers' statements. *Feed Farm Supplier* 40(5):10-12. May 1966. 47.8 H28
- 67751 TUCKER, H. H. Crystal structure changes in ammonium nitrate during processing. *Fert. Indus. Round Table. Proc.*, 15th Annu. Meeting:13-15. 1965. 57.09 F41
Includes discussion.
- 67752 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The fertilizer situation, 1965-66; nitrogen, phosphate, potash, by H. H. Shepard and J. N. Mahan. Washington, 1966. 16 p. Ref. 1.9424 M2F41
- 67753 VENKATESWARLU, J., and SASTRY, V. V. K. Production, storage and agricultural value of nitrophosphates. *Fert. News* 11(2):22-25. Ref. Feb.1966. 57.8 F4123
- 67754 WALKER, R. P., and GRIEBELER, W. L. Handling solid fertilizers in bulk. *Counc. Fert. Appl. Proc.*, 41st Annu. Meeting:1-8, map. 1965. 57.9 N216
- 67755 WEAVER, O. R. Statistical quality control: applying it to fertilizer production. *Fert. Indus. Round Table. Proc.*, 15th Annu. Meeting:48-51. 1965. 57.09 F41
- 67756 XABREGAS, J. Development of fertilizer use in Angola. (Por) *Gaz. Agr. Angola* 11(2):843-845. Feb.1966. 24 G252
Consumption.
- 67757 YOUNG, R. D. Studies show methods of restoring sulphur. *Agr. Chem.* 21(4):20-22,99. Apr.1966. 381 Ag8
In granular fertilizer blends.

Manures and Composts

- 67758 BAUER, C. A. Handling manure as a fluid. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:41-44. 1965. 44.9 N4833
- 67759 BÖSMA, A. H. Characterization of liquid manure. (Du) *Landbouwmecanisatie* 17(3):299-301. Mar.1966. 58.8 L2352
English summary.
- 67760 ENO, C. F. Chicken manure; its production, value, preservation, and disposition. *Fla. Agr. Exp. Sta. Circ.* S-140, 18 p. May 1966. 100 F66Ci
- 67761 KRISHNAMURTHY, R., and others. A study on the relationship between nitrogen and organic matter in urban and rural composts. *Madras Agr. J.* 52(2):52-60. Ref. Feb.1965. 22 M262
C. Ramadoss, K. M. Ramanathan, J. Bennett, and K. T. Narasimhan, joint authors.
- 67762 KRISHNAMURTHY, R., and SUBRAMANIAM, R. Why not sieve the compost manure. *Indian Farming* 15(1):33,35. Apr.1965. 22 In283
- 67763 POELMA, H. R. Biological destruction of liquid manure of pigs. (Du) *Landbouwmecanisatie* 17(5):495-498. May 1966. 58.8 L2352
English summary.
- 67764 PUUSTJARVI, V. The classification of garden peat. (Fi) *Suo* 16(4):5-8. Dec.20,1965. 54.8 Su7
English summary.
- 67765 RAMADOSS, C., and others. A study on the chemical composition of compost produced by the local bodies of the Madras State during the years 1960-1963. *Madras Agr. J.* 52(3):130-138. Mar.1965. 22 M262
R. Krishnamurthy, J. Bennett, K. M. Ramanathan, and E. M. Balakrishnan, joint authors.
- 67766 ROMERO MZ, J. M. Compost; instructions for using the animal and vegetable organic material of farms for soil improvement. (Sp) *Rev. Nac. Agr.* 57(723):49-54. July 1965. 9.4 R32
Preparation.

FORESTRY

GENERAL

- 67767 ANASTOSOPOULOS-ATHENAIOS, D. Greek Revolution and the forests. (Gre) Dassika Chron. 8(3):118-123. Mar.1966. 99.8 D263
- 67768 ASSOCIATION OF CONSULTING FORESTERS. Proceedings of the annual summer meeting, Williamsburg, June 26, 1965. Consultant 10(4): 3-18. Oct.1965. 99.8 C764
- 67769 BOURDO, E. A. Make the woodworker more effective. Pulpwood Annu. 1966:78-79. 99.83 P96
Training.
- 67770 BROWN, H. R. The Georgia Forestry Association. Forest Farmer 25(8):24,38,40. Apr.1966. 99.8 F7692
- 67771 BUCHHOLZ, G. Forestry and wood industry of the Soviet Union before new tasks. (Ge) Holz-Zentralbl. 92(46):867, map. Apr.18, 1966. 99.81 H742
- 67772 BUTKOVIC, M. The 20-year development of forestry in Croatia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:129-146. Ref. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Sumarski List 11/12:475 488. Nov./Dec.1965.
Issued by CFSTI.
- 67773 CALIFORNIA UNIVERSITY. SCHOOL OF FORESTRY. DEPT OF FORESTRY. Staff publications Department of Forestry July 1962-June 1965. Berkeley, 1965. 16 p. 241.01 C1222
A bibliography.
- 67774 CANADA. FORESTRY DEPT. FOREST RE-SEARCH BR. Annual report, fiscal year 1964-1965. Ottawa, 1965. 86 p. 99.9 C1629A
- 67775 CANADIAN INSTITUTE OF FORESTRY. MARITIME SECT. Annual report, 1965; featuring the 28th annual meeting, Bathurst, N.B., Sept. 9-10, 1965. n.p., 1965. 62 p. 99.9 C1672
Includes "Wood measurement problems in mechanical logging" by P. M. Belyea, W. S. Butler, and H. E. O'Brien with discussion.
- 67776 CLIFF, E. Outline of USFS 10-year program. Pulpwood Annu. 1966:79. 99.83 P96
- 67777 CROW, A. B. Theses and dissertations in forestry, game management, fisheries, and related subjects at Louisiana State University; a supplement, January 1964 to August 1965. LSU (La. State Univ.) Forest. Notes 64,3 p. Aug.1965. 99.8 L93
- 67778 DYER, C. D. The extension job is education. Forest Farmer 25(8):21,49. Apr.1966. 99.8 F7692
The work of the State Extension Service of Georgia in forestry.
- 67779 GEORGIEV, A. "Agrolesproekt" its pasts, present and future. (Bu) Gorsko Stopanstvo 22(3):37-40. Mar.1966. 99.8 G682
Institut for Studies and Planning in Forestry and Agriculture, Agrolesproekt [Institut za Prouchvane i Proektirane v Gorskoto i Selskoto Stopanstvo].
- 67780 GLASS, J. Problems of qualified women workers in forestry. (Ge) Sozialistische Forstwirtschaft. 16(3):71-74. Mar.1966. 99.8 W143
English summary, inside back cover.
- 67781 GOTTINGEN. UNIVERSITAT. INSTITUT FUR WALDARBEIT UND FORSTMACHINENKUNDE. Tatigkeitsbericht fur die Zeit vom 1.1.1965-31.12.1965 [Report of activities (of the Institute for Forestry and Forestry Equipment Science at the Gottingen University) for the period Jan. 1, 1965 to Dec. 31, 1965]. Gottingen. Univ. Inst. Waldarb. Forstmaschinenkunde. Tatber. 1965,19 p. 99.9 G713
- 67782 GRISPOS, P. Forest folklore; Quercus cerris. (Gre) Dassika Chron. 8(3):126-127. Mar.1966. 99.8 D263
- 67783 GROCHOWSKI, W. Scientific Research Institute of Forestry in Warsaw [Instytut Badawczy Lesnictwa]; 35th anniversary. (Bu) Gorsko Stopanstvo 22(1):39-40. Jan.1966. 99.8 G682
- 67784 GROSSMANN, H., and TROMMER, R. Possibilities for the application of modern mathematical-statistical methods in forestry. (Ge) Sozialistische Forstwirtschaft. 16(2):42-46. Feb. 1966. 99.8 W143
English summary, p.62.
- 67785 HEDLUND, H. Forestry information in Sweden. (Ge) Allg. Forstz. 21(17):286-287. Apr.23,1966. 99.8 AL52
Associations.
- 67786 HILF, H. H. Do we require correct time rates? Prerequisites for the application of mathematical-statistical methods in performance studies in forestry. (Ge) Allg. Forst- Jagdzeitung 137(5):115-120. Ref. May 1966. 99.8 AL3
English summary.
In reference to article by S. Haberle.
- 67787 HSU CH'ANG. The progress of forestry in Heilungchiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:1-10. May 19, 1965. (JPRS: 30,140) 173 J663Tcf
Translation from Hei-lung-chiang Lin Yeh 10:10-12,9. Oct.5,1964.
Issued by CFSTI.
- 67788 HUSS, J., and SCHMALTZ, J. The activity of forest ranger. (Ge) Forstarchiv 37(4):91-93. Apr.1966. 99.8 F7723
In reference to article by S. Wodarz; includes his reply.
- 67789 IVANOV, T. Thoughts on the occasion of forest week. (Bu) Gorsko Stopanstvo 22(3):23-26. Mar.1966. 99.8 G682
History of forestry in Bulgaria.
- 67790 KELLER, W. Protective function of forest in [the works] of Richard Wagner. (Ge) Schweiz. Z. Forstwesen 117(3/4):216-220. Mar./Apr.1966. 99.8 J82
- 67791 KNOTHE, U. Female workers as directors--or better--as directress. (Ge) Sozialistische Forstwirtschaft. 16(3):74-76. Mar.1966. 99.8 W143
In forestry.
- 67792 LAITAKARI, A. Suomen metsien tila 1730-luvulla ruotsalaisen geologin ja vuorimiehen, Daniel Tilas'in, kuvaamana. The conditions in Finland's forests in the 1730's as described by Daniel Tilas, a Swedish geologist and mineralist. Silva Fenn. 115(2),9 p. 1965. 99.9 F497
English summary.
- 67793 LINDBERG, H. Scandinavians work to better forests. Pulpwood. Annu. 1966:71,73. 99.83 P96
- 67794 MALINOVSKII, A. V. New developments in East German forestry. (Rus) Les. Khoz. 12: 75-78. Dec.1965. 99.8 L5622
Historical.
- 67795 MANTEL, W. From the baroque period. (Ge) Allg. Forstz. 21(13):220-223. Ref. Mar.26, 1966. 99.8 AL52
Forestry and forest management history.
- 67796 MARINOV, M. D. Forestry and forests of Indonesia. (Bu) Gorsko Stopanstov 22(1):33-38. Jan.1966. 99.8 G682
- 67797 MCARDLE, R. E. Public relations problems in forestry. Maine Forest. 1966:53-55. 99.9 M283
- 67798 MOLEND, T. Forestry in the postwar twenty years of the national economy--Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 325:11-25. Dec.17, 1964. (JPRS 27,897) 173 J663Ste
Translation from Sylwan 5:1-12. Sept./Oct. 1964.
Issued by CFSTI.
- 67799 MULLER-USING, D. The "civil service examination" for discussion. (Ge) Allg. Forstz. 21(14):235-236. Apr.2,1966. 99.8 AL52
Foresters.

- 67800 MYERS, J. W. A quarter century of service. *Forest Farmer* 25(8):22-23,40. Apr.1966. 99.8 F7692
Of the Forest Farmers Associations.
- 67801 NEDYALKOV, S. Forestry and forests of Guinea. (Bu) *Gorsko Stopanstvo* 21(11):40-44. Nov. 1965. 99.8 G682
- 67802 NEW ZEALAND. FOREST SERV. FOREST RESEARCH INSTITUTE. Report for the period 1 January to 31 December 1964, by H. R. Orman. Wellington, 1965. 91 p. 99.9 W46A
- 67803 NIGERIA. DEPT. OF FOREST RESEARCH. Annual report, 1962-63. Lagos, 1965. 56 p., map. 99.9 N562
- 67804 NORRLANDS SKOGSVARDSFORBUND. Annual report of the Norrland Forestry Association 1964. (Sw) *Norrlands Skogsvardsforbund. Tidskr.* 4:397-404. 1965. 99.9 N77
- 67805 PARNALL, D. L. A history of Kentish woodlands. *Quart. J. Forest.* 60(2):145-150. Apr. 1966. 99.8 Q2
- 67806 PETKOV, I., and TSONEVSKI, D. Forestry and forest industries of Sweden. (Bu) *Gorsko Stopanstvo* 21(2):31-39. Feb.1965. 99.8 G682
- 67807 PROTANSKII, V. V. Intensified activities of forest associations. (Rus) *Les. Khoz.* 11:6-9. Nov.1965. 99.8 L5622
- 67808 PUOSKARI, O. Physical training in forest worker schools. (Fi) *Metsataloudellinen Aikakauslehti* 83(3):124-126. Mar.1966. 99.9 F49
English summary.
- 67809 QURAISHI, M. A. Forests, man and God. *Pakistan J. Forest.* 61(1):60-80, map. Ref. Jan.1966. 99.8 P17
Forest history and the Bible.
- 67810 RAINIO, L. Training of forest workers. (Fi) *Metsataloudellinen Aikakauslehti* 83(3):129-132, 135-136, map. Mar.1966. 99.9 F49
- 67811 RUARK, H. E. Forest research at work in Georgia. *Forest Farmer* 25(8):14-15,42,44. Apr.1966. 99.8 F7692
- 67812 SCHAUER, W. Investigations on the changes that forest land underwent in the district of Templin-Schwedt-Freienwalde till the middle of the 18th century. (Ge) *Arch. Forstwesen* 15(1):3-25, map. Ref. 1966. 99.8 Ar22
English summary.
- 67813 SCHINDLER, W. Details out of the history of forests and forestry in the Zittau Mountains. (Ge) *Arch. Forstwesen* 14(11/12):1173-1184, map. 1965. 99.8 Ar22
English summary.
- 67814 SISSINGH, G. Forestry and recreation in the forest district "Nunspeet." (Du) *Ned. Bosbouw Tijdschr.* 37(9):289-301. Sept.1965. 99.8 N28
- 67815 SPORK, J. Maintaining and insuring forest labor supply. (Ge) *Schweiz. Z. Forstwesen* 117(3/4):194-199. Mar./Apr.1966. 99.8 J82
French summary.
- 67816 STEFELS, C. J. Forest advisory service particulars. (Du) *Ned. Bosbouw Tijdschr.* 37(9):274-278. Sept.1965. 99.8 N28
- 67817 STEPANYAN, G. A., and AKHINYAN, G. M. Forestry of Soviet Armenia. (Rus) *Les. Khoz.* 12:5-9. Dec.1965. 99.8 L5622
- 67818 THOEN, D. The flora of the forest of Soignes in the 16th century. (Fr) *Natur. Belg.* 46(10):488-489. Dec.1965. 410.9 N21
- 67819 TODOROV, V. Forestry and forest industries of Kenya. (Bu) *Gorsko Stopanstvo* 21(12):36-40. Dec.1965. 99.8 G682
- 67820 UKAT, F. Women's work in forestry—judged by a woman. (Ge) *Sozialistische Forstwirtschaft.* 16(3):93-94. Mar.1966. 99.8 W143
Interview with M. L. Zeiss.
- 67821 U. S. FOREST SERV. A job with the Forest Service; a guide to nonprofessional employment. U. S. D. A. Misc. Publ. 843, rev., 13 p., map. Apr.1966. 1 Ag84M
- 67822 VAN LAAR, A. Statistical inference and experimental design in forestry research. *S. Afr. Forest. J.* 56:20-30. Mar.1966. 99.9 So82
- 67823 VICTORIA FORESTS COMMISSION. Forestry research. Victoria. Forest. Comm. Forest. Res. 5, 15 p. Mar.1965. 99.9 V662
- 67824 WARDER, B. J. The forestry situation in West Virginia. *Northern Logger* 14(10):10-11, 41. Apr.1966. 99.81 N812
- 67825 WIECKO, J. 35th anniversary of Polish Scientific Institute of Forestry [Warsaw, Instytut Badawczy Lesnictwa]. (Rus) *Les. Khoz.* 12:79-81. Dec.1965. 99.8 L5622
- 67826 WYOMING FOREST INDUSTRIES COMMITTEE. Wyoming's forest bounty. *Rev. Laramie*, 1965. 15 p. SD144.W8W9
- 67827 ZEIHNER, R. Reflections on education for higher forestry service. (Ge) *Deut. Forstmann [Dusseldorf]* 6(4):6-8. Apr.4,1966. 99.8 D486
- 67828 ZHUKOV, A. B. Forestry research at the Institute of Forestry and Wood Technology of Academy of Sciences of USSR [Akademiya Nauk SSSR, Institut Lesa i Drevesiny]. (Rus) *Les. Khoz.* 12:14-20. Dec.1965. 99.8 L5622

Education

- 67829 HERRICK, A. M. Training foresters for tomorrow. *Forest Farmer* 25(8):19-20. Apr. 1966. 99.8 F7692
At the School of Forestry, University of Georgia.
- 67830 LEHTO, R. Training of forest work instructors in Finland. (Fi) *Metsataloudellinen Aikakauslehti* 83(3):119-120, 123, 171. Mar.1966. 99.9 F49
- 67831 MERGEN, F. To build the future of the School. *Yale Forest Sch. News* 54(1):3-4. Apr.1966. 99.8 Y1
- 67832 PUOSKARI, O. Aspects of the professional training of forest workers. (Fi) *Metsataloudellinen Aikakauslehti* 83(3):114-118, 160, map. Mar.1966. 99.9 F49
English summary.
- 67833 REPORT of Advisory Committee on the Yale School of Forestry. *Yale Forest Sch. News* 54(1):4-9. Apr.1966. 99.8 Y1
- 67834 SHIRLEY, H. L. Objectives to uplift forestry education in the Philippines. *Lumberman [Manila]* 12(1):27,30,32,40. (Cont.) Dec.1965/Jan.1966. 99.81 L9793
- 67835 WADE, L. H. Forestry. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:6-7. 275.29 AL1Su
Extension programs.

Policies, Programs, Administration

- 67836 BACON, E. M. New emphasis on cooperative forestry. *Forest Farmer* 25(8):18,50. Apr. 1966. 99.8 F7692
In relation to the Forest Service recently created Southeastern Area State and Private Forestry organization.
- 67837 BEHRNDT, G. The private forest in the liberal timber trade policy. (Ge) *Allg. Forstz.* 21(17):275-276. Apr.23,1966. 99.8 AL52
- 67838 BEHRNDT, G. What does really happen to improve the yield situation in the Federal Republic? (Ge) *Allg. Forstz.* 21(9):155-156. Feb.26, 1966. 99.8 AL52
- 67839 BIEBERSTEIN, D., and LANDBECK, H. The forest division in consequence of the second regulation. (Ge) *Sozialistische Forstwirtschaft.* 15(12):361-364. Ref. Dec.1965. 99.8 W143
English summary, inside back cover.
- 67840 BROEKHUIZEN, J. T. M. National Arbor Day. (Du) *Ned. Bosbouw Tijdschr.* 38(2):54-57. Feb. 1966. 99.8 N28
- 67841 DELAWARE. FORESTRY DEPT. Annual report of the State Forester to the State Forestry Commission for the fiscal year (July 1, 1964 to June 30, 1965). Dover, 1965. 24 p. 99.9 D37R

- 67842 DUVIGNEAUD, J. A site threatened to be destroyed; Franc Bois de Lampert. (Fr) Natur. Belg. 46(10):441-461, map. Ref. Dec. 1965. 410.9 N21
Forest conservation.
- 67843 HSU CHAN-JEN. Forestry in Liaoning. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:17-23. May 19, 1965. (JPRS: 30,140) 173 J663Tcf
Forestry policies and forest administration. Translation from Hei-lung-chian Lin Yeh 10: 22-23. Oct. 5, 1964. Issued by CFSTI.
- 67844 HUBER, W. W. The influence on the south of the U.S. Forest Service's Regional Programs. Forest Farmer 25(8):16, 47-48. Apr. 1966. 99.8 F7692
Includes the activities of the Forest Farmers Association.
- 67845 KENYA, FOREST DEPT. Annual report, 1963. Kenya, 1965. 41 p. 99.9 K42
- 67846 KOSTER, R., and SPAARKOGEL, G. N. Safe climbing. (Du) Ned. Bosbouw Tijdschr. 37(11): 374-383. Nov. 1965. 99.8 N28
English summary.
Accident prevention.
- 67847 MILESCU, I. Two decades of uninterrupted progress in the regulation [of] forests and the management of forest resources. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:7-14, map. Dec. 21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:409-414. Aug. 1964. Issued by CFSTI.
- 67848 MILLER, R. A conservation story at Lewiston; working and learning Job Corpsmen. Reclam. Era 52(2):47-51. May 1966. 156.84 R24
Chiefly for forestry.
- 67849 NIGERIA (NORTHERN REGION). FOREST ADMIN. Annual report, 1962-63. Kaduna, 1965. 60 p., map. 99.9 N565
- 67850 PAWLAK, R. The tasks of the State forest enterprises during the fiscal year 1964/1965 [in] Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 328:1-6. Jan. 4, 1965. (JPRS 28,093) 173 J663Ste
Policies.
Translation from Las Polski 23:1-4. Dec. 1-15, 1964. Issued by CFSTI.
- 67851 PETKOV, I. For a successful start of the first year of the new Five-Year Plan. (Bu) Gorsko Stopanstvo 21(12):1-4. Dec. 1965. 99.8 G682
- 67852 PIZZIGALLO, V. The tree and forest in modern life. (It) Ital. Forest. Mont. 21(1):1-19. Jan./Feb. 1966. 99.8 It12
French summary.
Conservation and influences, chiefly.
- 67853 SCHROEDER, G. New standards for planning and management of forestry. (Ge) Sozialistische Forstwirtschaft. 16(3):65-69. Mar. 1966. 99.8 W143
English summary, inside back cover.
- 67854 SOUTH CAROLINA, FORESTRY STUDY COMMITTEE. Report. Columbia, 1965. 68 p., map. 99.9 So833
- 67855 SUDER, M. Rumanian forestry during the Five Year Plan period. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 431:17-30. Apr. 12, 1966. (JPRS 34,999; TT 66-31437) 173 J663Ste
Translation from Probleme Economice 19(1): 64-76. Jan. 1966. Issued by CFSTI.
- 67856 TROMP, H. Work of the FAO, ECE, and OECD in forestry and lumber economics and their importance for the forestry economy of the countries of the CEA. (Fr) Confed. Europe. Agr. Publ. CEA 31:233-247. 1965. 28 C763
- 67857 VASILEV, S. Need to improve labor protection in forest, wood-processing and furniture enterprises. (Bu) Gorsko Stopanstvo 21(7): 34-37. July 1965. 99.8 G682
- 67858 VORONOV, I. E. Continuous improvement of forest resources in USSR. (Rus) Les. Khoz. 12:2-4. Dec. 1965. 99.8 L5622
Policies.

Legislation and Taxation

- 67859 BUOB, H. Income tax from excessive cutting? (Ge) Allg. Forstz. 21(13):229-230. Mar. 26, 1966. 99.8 AL52
- 67860 BRIGGS, C. W. The meaning of capital gain and loss treatment for timber. Forest Farmer Manual 25(7):108-112. Mar. 1966. 99.551 F76
Taxation.
- 67861 FEDERAL laws relating to private forestry. Forest Farmer Manual 25(7):116-117. Mar. 1966. 99.551 F76
- 67862 MOSER, L. Recent developments in forest legislation in France and in the German Federal Republic. (It) Cronache Econ. 278/279:36-39. Feb./Mar. 1966. 280.8 C882
- 67863 RUSSELL, E. J., and SMOLINSKI, H. J. What records to keep. Forest Farmer Manual 25(7):113-114. Mar. 1966. 99.551 F76
Taxation aspect.

Forest Description and Resources

- 67864 ADEYOJU, S. K. The forests resources of Nigeria. Nigerian Geogr. J. 8(2):115-126. Ref. Dec. 1965. 331.8 N56
- 67865 AUSTRIA, STATISTISCHES ZENTRALAMT. Land- und forstwirtschaftliche Betriebszahlung vom. 1. Juni 1960. Gesamtergebnisse für Österreich. Teil B: Forstwirtschaft [Agricultural and forestry census of June 1, 1960. Total data for Austria. Part B: Forestry]. Wien, 1965. 161 p. 266 St22L
- 67866 DOTSENKO, A. P., and YAROSLAVTSEV, G. D. Exotic species of Crimean forest. (Rus) Les. Khoz. 11:20-22. Nov. 1965. 99.8 L5622
Survey.
- 67867 ESPINOSA, L. M., and AGALOOS, B. C. Standardizing and up-dating forest statistics. Lumberman [Manila] 12(1):44, 46. Dec. 1965/Jan. 1966. 99.81 L9793
Surveys.
- 67868 FORSHELL, W. P. Norrlands Skogsvardsforbund's excursion to Vasterbotten and Angermanland, September 15 and 16, 1965. (Sw) Norrlands Skogsvardsforbund. Tidskr. 4:242-394. 1965. 99.9 N77
Chiefly forest resources and forestry.
- 67869 GENSSLER, H. The Corsican pine in the Lower Rhine. (Ge) Allg. Forstz. 21(19):319-320. May 7, 1966. 99.8 AL52
- 67870 GEORGIEV, A., and SARAFIOV, I. Fir, Austrian pine and beech plantations of the Assenovgrad forest enterprise, present state and outlook. (Bu) Gorsko Stopanstvo 21(12):11-15. Dec. 1965. 99.8 G682
- 67871 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Forsterhebung 1961, Nacherhebung der Landwirtschaftszahlung 1960. Heft 2. Betriebsstruktur [Forest census, 1961, enumeration following the agricultural census of 1960. Part 2. Management structure]. Kohlhammer, Stuttgart, 1966. 292 p. SD61.A5
- 67872 GROSSMANN, H. Results of the permanent large-scale inventories carried out in the entire forest area during 1963 and 1964 in East Germany. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 428:1-9. Mar. 29, 1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from Die Sozialistische Forstwirtschaft 16(3):84-86. Mar. 1966. Issued by CFSTI.

- 67873 GROSSMANN, H. The second inventory of the continuous-forest sample area of Gross-Zeithen. (Ge) Arch. Forstwesen 15(1):49-70. 1966. 99.8 Ar22
English summary.
- 67874 HOU, H. Y. China's principal forest types, their geographical distribution and economic uses. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 4:1-26, map. Dec. 9, 1965. (JPRS 33,258; TT 65-33833) 173 J663Tt
Translation from Ti Li 4:147-153. July 27, 1965.
Issued by CFSTI.
- 67875 KHRISTOSKOV, D., DASKALOV, N., and PETROV, A. Visual widening of the forest surveys. (Bu) Gorsko Stopanstvo 21(1):12-14. Jan. 1965. 99.8 G682
- 67876 KOTOV, M. I. Resources of the Izyum forestry in left-bank area of the Siversky Donets, Kharkov Region. (Ukr) Ukr. Bot. Zhur. 22(6):97-98. 1965. 450 J8212J
- 67877 KRUSTANOV, K., and BELYAKOV, P. The problem of constant large-area inventory. (Bu) Gorsko Stopanstvo 21(5):20-22. May 1965. 99.8 G682
- 67878 KURTH, H., and WENK, G. Developmental trends in forest inventory. (Ge) Sozialistische Forstwirtschaft. 15(12):359-361. Dec. 1965. 99.8 W143
- 67879 MANOLOV, A., and SOKOLOVA, TS. Results of forest inventory for 1965. (Bu) Gorsko Stopanstvo 22(3):4-9. Mar. 1966. 99.8 G682
- 67880 MICHEL, A. Can we reckon with the future resources of an afforestation? (Fr) Rev. Forest. Franc. 17(12):812-817. Dec. 1965. 99.8 R329
- 67881 MITCHELL, A. F. Further notes on the Wellingtonia in Scotland. Scot. Forest. 20(2):117. Apr. 1966. 99.8 Sco3
- 67882 PETRYAEV, A. S. Forest resources of the European socialist countries. (Rus) Les. Prom. 4:29-30. Apr. 1965. 99.82 L56
- 67883 RAVELA, H. Valtakunnan metsien V Inventoinnin Tulokset Lounais-Suomen ja Satakunnan metsähoitolautakuntien soista ja metsäojitusalueista. Results of the Fifth National Forest Inventory concerning the swamps and forest drainage areas at Southwest Finland and Satakunta. Folia Forest. 17, 13 p. 1965. 99.8 F713
- 67884 RICE, E. L. Bottomland forests of north-central Oklahoma. Ecology 46(5):708-714, map. Ref. Late summer 1965. 410 Ec7
- 67885 RUDOLF, P. O. Botanical and commercial range of black spruce [Picea mariana] in the Lake States. U. S. Forest Serv. Res. Note LS-74, 4 p., map. Dec. 1965. A99.9 F7624
- 67886 RUDOLF, P. O., and ANDRESEN, J. W. Botanical and commercial range of white spruce [Picea glauca] in the Lake States. U. S. Forest Serv. Res. Note LS-73, 4 p., map. Dec. 1965. A99.9 F7624
- 67887 SCHMIDT, E. Forest botanical studies in eastern Bolivia. Int. Ass. Wood Anat. News Bull. 2:8-25, map. Ref. 1965. 99.9 In824
- 67888 SHAPOSHNIKOVA, L. A. Half a century in study of natural resources. (Rus) Les. Khoz. 12:43-44. Dec. 1965. 99.8 L5622
Chiefly forests, work of Council for Study of Natural Resources of the Academy of Sciences of USSR [Akademiya Nauk SSSR, Soviet po Izucheniyu Proizvoditel'nykh Sil].
- 67889 SHIRLEY, A. R. Georgia's valuable forest resources. Forest Farmer 25(8):10-11, 44-46. Apr. 1966. 99.8 F7692
- 67890 SHUROVENKOV, B. G. In the forests of Mongolia. (Rus) Priroda [Moscow] 3:90-93. 1966. 410 P933
Resources and description.
- 67891 SIZEMORE, W. R. Taking stock of what you have. Forest Farmer Manual 25(7):43-46. Mar. 1966. 99.551 F76
- 67892 STADELMAN, R. C. Forests of Southeast Asia. Memphis, 1966? 245 p. Ref. SD235.S6S8
- 67893 STRADT, G. H. Georgia's national forests. Forest Farmer 25(8):17, 46-47. Apr. 1966. 99.8 F7692
- 67894 WESTRA, J. J. The England excursion of the Royal Dutch Forestry Society. (Du) Ned. Bosbouw Tijdschr. 38(2):58-75. Feb. 1966. 99.8 N28
English summary.
Forests and forestry in England.
- 67895 WHEELER, P. R. Timber regions of the south. Forest Farmer Manual 25(7):18-19, map. Mar. 1966. 99.551 F76

FOREST MANAGEMENT AND FINANCE

- 67896 ALEXANDRESCU, P. Results and perspectives of growth for the economic effectiveness of forest utilization. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 410:29-49. Jan. 11, 1966. (JPRS 33,698; TT 66-30142) 173 J663Ste
Rumania.
Translation from Revista de Statistica 10: 33-45. Oct. 1965.
Issued by CFSTI.
- 67897 BECKING, J. H. The contrast in the economic development in the various links in the production column "wood." (Du) Ned. Bosbouw Tijdschr. 37(10):335-343. Oct. 1965. 99.8 N28
Chiefly on returns from Dutch forests.
Comments by H. A. van der Meiden, p. 343-347; reply to comments, by J. H. Becking, v. 38, No. 2, Feb. 1966, p. 95-90.
- 67898 BREDOW-STECHOW, W. VON. What I wish for as a young forest owner. (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):529-530, 544, 546. Mar. 31, 1966. 18 N39
Forest ownership and management.
- 67899 BUDOWSKI, G. Technical matter in extension: dasynomy as an example. (Sp) Ext. Amer. 11(1):8-13. 1966. 275.249 Ex8
Latin America.
- 67900 CARDENAS A., R. The forest and its utilization. (Sp) Panagra 5(62):44-46. Dec. 1965. 8 P196
Mexico.
- 67901 CONKLIN, H. E. The new forests of New York. Land Econ. 42(2):203-204. May 1966. 282.8 J82
Future management.
- 67902 DARDANOV, A. Pre-operational testing of tractors. (Bu) Gorsko Stopanstvo 21(5):33-38. May 1965. 99.8 G682
- 67903 DENMARK. DIREKTORATET FOR STATSKOVBRUGET. Oversigt over de danske statsskoves udbytte af ved og penge for finansåret 1964-65 [Survey of yields and money of the Danish national forests for the fiscal year 1964-65]. København, 1966. 15 p. 99.9 D413
- 67904 ECKERT, K. H. Stand felling value, 1965. (Ge) Allg. Forstz. 21(19):316, 318-319. (Cont.) May 7, 1966. 99.8 AL52
- 67905 FADIN, I. A. Technical and economic evaluation of implements and machinery used in silvicultural work. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:354-368. 1964. 99.9 L545
- 67906 FFOLLIOTT, P. F., and WORLEY, D. P. An inventory system for multiple use evaluations. U. S. Forest Serv. Res. Paper RM-17, 15 p., map. Ref. Dec. 1965. A99.9 F7632U
- 67907 FLEROV, B. A. Intercollective farm forests—new form of forest management. (Rus) Les. Khoz. 11:64-66. Nov. 1965. 99.8 L5622
- 67908 GANE, M. The valuation of growing stock changes. Quart. J. Forest. 60(2):110-120. Ref. Apr. 1966. 99.8 Q2
- 67909 GOROVoi, M. S., ZHDANOV, YU. M., and SEMIN, A. F. Use of tensiometers for study of forestry machinery. (Rus) Les. Khoz. 11: 86-87. Nov. 1965. 99.8 L5622

- 67910 GUTTENBERG, S. From bare land to forest. Forest Farmer Manual 25(7):38-39. Mar.1966. 99.551 F76
Economic aspects.
- 67911 HELLINGS, T. V. Control forest costs realistically. Pulpwood Annu. 1966:65,67,69. 99.83 P96
- 67912 HOPP, P. J. Principles and results of forest management in Wald-Michelbach forestry of Hesse. (Ge) Allg. Forstz. 21(14):246-248. Apr.2,1966. 99.8 AL52
- 67913 ILVESSALA, Y. The urgency of forest improvement work in the light of growing stock structure. (Fi) Metsätaloudellinen Aikakauslehti 83(3):144-147,160. Mar.1966. 99.9 F49
English summary.
- 67914 JEROME, R. On forest management. (Hu) Erdo 15(3):97-100. Mar.1966. 99.8 Er22
German summary.
- 67915 JOHNSON, R. L., and KRINARD, R. M. Tips for managing drought-stricken cottonwoods along the lower Mississippi River. U. S. Forest Serv. Res. Note SO-24,4 p. 1965. A99.9 F7628U
- 67916 KHAN, S. A. Mangrove forests, their past and present management in Hyderabad region. Pakistan J. Sci. 16(5/6):329-332. Sept./Nov. 1964. 475 P172
- 67917 KONSTANTINOV, P. I. Productivity of forests. (Rus) Les. Khoz. 12:41-42. Dec.1965. 99.8 L5622
- 67918 KRANER, J. Management of the Robinia pseudoacacia stands. (Cz) Les [Bratislava] 22(3):110-112. Mar.1966. 99.8 L5632
- 67919 KUNZEL, S. The inclined plane. (Ge) Allg. Forstz. 21(13):217-218. Mar.26,1966. 99.8 AL52
Forestry accounting.
- 67920 LEWIS, J. H., and MCDERMID, R. W. Land ownership patterns of large private forests in Louisiana. LSU (La. State Univ.) Forest. Notes 65,2 p. Feb.1966. 99.8 L93
- 67921 LOYCKE, H. J. Demands on forestry machines illustrated by the forestry wheeled tractor. (Ge) Forstarchiv 37(4):85-91. Ref. Apr.1966. 99.8 F7723
- 67922 LOYCKE, H. J. The polymorphic face of forestry mechanization. (Ge) Forsttech. Inform. 20(5/6):30-44. Ref. May 1966. 99.8 F7794
- 67923 MARINOV, M. Sustained yield management of oak forests in Bulgaria. (Bu) Gorsko Stopanstvo 21(5):4-12. May 1965. 99.8 G682
- 67924 MARTON, I. Plans and possibilities in forestry mechanization. (Hu) Erdogazdasag Faipar 20(4):13-14. Apr.1966. 99.8 Er2
- 67925 MERKULOV, P. D. First experience of inter-collective farm forest. (Rus) Les. Khoz. 11:66-68. Nov.1965. 99.8 L5622
- 67926 MINCKWITZ, H. VON. A cameralistic forest management in the year of 1801. (Ge) Arch. Forstwesen 14(11/12):1317-1323. 1965. 99.8 Ar22
- 67927 MITTERPACH, D. Cybernetics in forest management. (Cz) Les [Bratislava] 22(3):122-124. Mar.1966. 99.8 L5632
- 67928 MOTOVILOV, G. P. Problems of standardization in forest management. (Rus) Les. Khoz. 12:32-36. Dec.1965. 99.8 L5622
- 67929 MURPHY, H. E. How to establish a successful forestry operation. Forest Farmer Manual 25(7):30-32. Mar.1966. 99.551 F76
- 67930 MYERS, J. W. Financing—sources of credit. Forest Farmer Manual 25(7):47. Mar.1966. 99.551 F76
- 67931 NARTOV, P. S. Evaluation of equipment used in taking care of young plantations. (Rus) Les. Khoz. 12:66-69. Dec.1965. 99.8 L5622
- 67932 NESTEROV, V. G. On the boundary of two centuries. (Rus) Les. Khoz. 12:10-13. Dec. 1965. 99.8 L5622
History of Forest Experiment Base of Timiryazev Agricultural Academy [Timiryazevskaya Sel'skokhozyaistvennaya Akademiya, Lesnaya Opytnaya Dacha].
- 67933 NEUHAUS, O. Developmental trends of forest management in the state forest of Hesse. (Ge) Allg. Forstz. 21(9):156-158. Feb.26,1966. 99.8 AL52
- 67934 OELSCHLEGEL, G. Suggestions to forestry cooperatives for improving of management results. (Ge) Sozialistische Forstwirtschaft. 16(2):37-39. Feb.1966. 99.8 W143
- 67935 PANASIK, A. V. Development of intercollective farm forest relations. (Rus) Les. Khoz. 11:61-64. Nov.1965. 99.8 L5622
- 67936 PERFONT, G. An important problem; the tending of forests. (Fr) Agr. Prat. 129(7):20-21. July 1965. 14 J82
- 67937 PETKOV, B. Regionalization of forestry. (Bu) Gorsko Stopanstvo 21(7):22-25. July 1965. 99.8 G682
- 67938 PLAISANCE, G. The dilemmas of the forester; what questions are posed for the forester in the exercise of his functions! (Fr) Rev. Agr. France 40:10-11. May 1965. 14 R326
- 67939 RAFI, M. The principles of management of sale depots in the irrigated forest plantations of west Pakistan. Pakistan J. Forest. 16(1):43-51. Jan.1966. 99.8 P17
- 67940 RIDD, M. K. Area-oriented multiple use analysis. U. S. Forest Serv. Res. Paper INT-21, 14 p.,map. 1965. A99.9 F764U
- 67941 ROSOVSKII, V. M. Construction of forest machinery according to requirements of labor safety. (Rus) Les. Prom. 6:27. June 1965. 99.82 L56
- 67942 SCHULT, W. Rational organization of production and the scientific-technical progress in the production of raw wood. (Ge) Sozialistische Forstwirtschaft. 15(12):354-359. Dec.1965. 99.8 W143
English summary, inside back cover.
- 67943 SEIP, H. K. Metoder og muligheter for langsiktige prognoser i skoglig planlegging. Methods and possibilities of long-term forecasts in forest management planning. Silva Fenn. 115(5),17 p. 1965. 99.9 F497
English summary.
- 67944 SHKATOV, V. K. Economic aspects of forestry in collective farms. (Rus) Les. Khoz. 11:77-80. Nov.1965. 99.8 L5622
- 67945 SIMKOVIC, G. On the new principles of forest management. (Cz) Les [Bratislava] 22(3):125-127. Mar.1966. 99.8 L5632
- 67946 SIRAKOV, KH., CHALUKOV, I., and TOMOV, N. Scientifically based timber appraisal as a prerequisite for the improvement of planning system in forestry. (Bu) Gorsko Stopanstvo 21(9):21-26. Sept.1965. 99.8 G682
- 67947 STAND, H. Factor analysis for the investigation of the influence of prices, quantity and structure of wood assortments on the development of raw wood proceeds in forestry. (Ge) Sozialistische Forstwirtschaft. 16(2):39-42. Feb. 1966. 99.8 W143
- 67948 STESIN, B. S. Support new form of forestry organization in collective farms. (Rus) Les. Khoz. 11:68-69. Nov.1965. 99.8 L5622
- 67949 STUART, E. Timber estimating vs. appraising. Consultant 10(4):16-18. Oct.1965. 99.8 C764
- 67950 SZODFRIDT, I. The economy of poplar planting networks. (Hu) Erdo 15(3):131-134. Mar. 1966. 99.8 Er22
German summary.

- 67951 TSEPLYAEV, V. P. Lesnoe khozyaistvo SSSR; osnovnye itogi lesokhozyaistvennoi deyatel'nosti [Forest management of the USSR; principal results of forestry work]. Moskva, Lesnaya Promyshlennost', 1965. 408 p., map. Ref. SD431.T7
- 67952 UTLEG, J. L. The human element in forest management. Lumberman [Manila] 12(1):42. Dec.1965/Jan.1966. 99.81 L9793
- 67953 VASILEV, S. Frequency linear programming and its application in forest branch planning. (Bu) Gorsko Stopanstvo 21(11):14-21. Nov. 1965. 99.8 G682
- 67954 VASILEV, V. N. Mechanization of silviculture in East Germany. (Bu) Gorsko Stopanstvo 21(4):36-41. Apr.1965. 99.8 G682
- 67955 WEGENER, H. J. Management autonomy of the forest owner within the framework of state supervision. (Fr) Confed. Europe. Agr. Publ. CEA 31:221-232. 1965. 28 C763 Europe.
- 67956 WELLS, G. R. Financial value of tree growth. Forest Farmer Manual 25(7):28-29. Mar.1966. 99.551 F76
- 67957 WRIGHT, P. W. Long-term land agreements. Forest Farmer Manual 25(7):115. Mar.1966. 99.551 F76 Forest land.
- 67958 YOHO, J. G., SOMBERG, S. I., and EADS, L. D. The costs of specific forestry practices in the south. Forest Farmer Manual 25(7):33-37. Mar.1966. 99.551 F76
- Farm Woodlands**
- 67959 BENNETT, F. W. Forest farming as an investment. Forest Farmer Manual 25(7):24-25. Mar.1966. 99.551 F76
- 67960 BROMLEY, W. S. Forest farming and the Fair Labor Standards. Forest Farmer Manual 25(7):118. Mar.1966. 99.551 F76
- 67961 BRUNER, M. H. The importance of adapting to changing conditions. Forest Farmer Manual 25(7):50-52. Mar.1966. 99.551 F76 Managing the forest farm.
- 67962 FOREST FARMER. Fourteenth manual edition, edited by J. W. Myers. Forest Farmer Manual 25(7), 200 p. Mar.1966. 99.551 F76 For southern timberland owners.
- 67963 GRANDJOT, W. Possibilities for increasing yield in farm woodland. (Ge) Forsttech. Inform. 4:21-27. Apr.1966. 99.8 F7794
- 67964 LENTZ, A. N. How to improve your farm woodlot with ACP [Agricultural Conservation Program] payments. Rutgers State Univ. Ext. Leaflet. 204-B, 4 p. Apr.1966. 275.29 N46L
- 67965 RAWLS, E. L. Social security for the forest farmer. Forest Farmer Manual 25(7):119-120. Mar.1966. 99.551 F76
- 67966 SCHMID, H. The economic importance of farm woodlands within the sphere of closed farms in the Wolfach district. (Ge) Allg. Forstz. 21(18):306-307. Apr.30, 1966. 99.8 AL52
- 67967 SIZEMORE, W. R., and SIZEMORE, M. H. Fair market value—starting point for sound forest farming. Forest Farmer Manual 25(7):40-42. Mar.1966. 99.551 F76
- 67968 WALBRIDGE, T. A., and CAMISA, L. H. Mechanization in the southern woodlands—where are we headed? Forest Farmer Manual 25(7):9-12. Mar.1966. 99.551 F76
- Mensuration, Surveying, Photogrammetry**
- 67969 BARRETT, J. P., and ALLEN, P. H. Predicting yield of extensively managed white pine [Pinus strobus] stands. N. H. Agr. Exp. Sta. Tech. Bull. 103, 15 p. Mar.1966. 100 N45
- 67970 BONEV, I. Liriodendron, a fast growing forest species. (Bu) Gorsko Stopanstvo 21(4):23-26. Apr.1965. 99.8 G682 Growth and measurements
- 67971 BORODIN, A. M. Role of tree varieties in increasing productivity of forests. (Rus) Les. Khoz. 12:24-28. Dec.1965. 99.8 L5622 Mensuration.
- 67972 BOZHINOV, KH. Possibilities for the establishment of poplar plantations in the Valley of the Mesta River. (Bu) Gorsko Stopanstvo 21(9):17-18. Sept.1965. 99.8 G682 Growth studies.
- 67973 DECOURT, N. Yield tables for sylvestris pine and Corsican laricio pine in Sologne. (Fr) Rev. Forest. Franc. 17(12):818-831. Dec.1965. 99.8 R329 Pinus sylvestris and P. nigra poiretana.
- 67974 EIBERLE, K. Hight growth and quality of browsed Norway spruce. (Ge) Schweiz. Z. Forstwesen 117(3/4):200-213. Mar./Apr.1966. 99.8 J82 French summary.
- 67975 EMBRY, R. S., and HAACK, P. M. Volume tables and equations for young-growth western hemlock and Sitka spruce in southeast Alaska. U. S. Forest Serv. Res. Note NOR-12, 21 p. Dec.1965. A99.9 F7672U
- 67976 GEORGIEV, ZH. Industrial maturity of Acacia plantations. (Bu) Gorsko Stopanstvo 21(9):11-12. Sept.1965. 99.8 G682 Measurement.
- 67977 GICHEV, K. Growth of birch stands in Varbitsa Mountains. (Bu) Gorsko Stopanstvo 21(11):4-8. Nov.1965. 99.8 G682
- 67978 HELLRIGL, B. Analytical expressions of Italian volume tables. (It) Ital. Forest. Mont. 21(1):24-45. Ref. Jan./Feb.1966. 99.8 It12 French summary.
- 67979 KRAVCHENKO, V. I. Effect of spruce planting density on form coefficient and species stem number. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:60-64. 1964. 99.9 L545
- 67980 KRUSTANOV, K. Increment and productivity of mixed beech-oak type stands in Strandzha Mountains. (Bu) Gorskostopanska Nauk. 1(4):37-48. 1964. 99.8 G683 German summary.
- 67981 KURTH, H., and FISCHER, O. The precision of relascopes in determining the form height of stems, of total height, and of diameters at different stem heights. (Ge) Arch. Forstwesen 14(11/12):1185-1199. 1965. 99.8 Ar22 English summary.
- 67982 LANGE, R. W. Accuracy of the topographic abney in long-distance sighting. Mont. Forest Conserv. Exp. Sta. Res. Notes 3, 2 p. Apr.1966. 99.9 M764
- 67983 LEHMAN, J. Ascertainment of the stem basal area by means of the angle count method of Bitterlich. (Ge) Sozialistische Forstwirtschaft. 15(12):364-366. Dec.1965. 99.8 W143
- 67984 MARTYNOV, E. N. Current increment of stands and simple method of its determination. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:16-31. Ref. 1964. 99.9 L545
- 67985 MAZHUGIN, I. N. Determination of plot sizes in mensurational studies using large and medium-scale aerial photographs. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:54-59. 1964. 99.9 L545
- 67986 MITSCHERLICH, G., and others. Ecology and yield in pure and mixed stands. VII. Stand height growth and increments per hectare. (Ge) Allg. Forst- Jagdzeitung 137(5):101-115. Ref. May 1966. 99.8 AL3 W. Moll, E. Kunstle, and P. Maurer, joint authors. English summary. Douglas fir.
- 67987 NEDYALKOV, S., and KUMCHEV, I. Sorting of the whole coppice sweet-acorn type oak stands. (Bu) Gorsko Stopanstvo 21(2):8-11. Feb.1965. 99.8 G682

- 67988 PALLAY, M. Comparative increment study of the main tree species of forest communities and the main natural species. (Hu) Erdo 15 (3):107-113. Mar.1966. 99.8 Er22
German summary.
- 67989 PETKOV, P., and NEDYALKOV, S. Correlational dependence between current annual increment and age, between site class and volume of coniferous stands. (Bu) Gorsko Stopanstvo Nauk. 1(4):29-35. 1964. 99.8 G683
French summary.
- 67990 PETROV, KH. Study on the distribution of sample plots according to the mathematical and statistical methods. (Bu) Gorsko Stopanstvo 21(2):4-7. Feb.1965. 99.8 G682
- 67991 PETROV, T. Study of the exactness of mensurational methods with regard to tree measurement. (Bu) Gorsko Stopanstvo 21(1):7-12. Jan.1965. 99.8 G682
- 67992 POLACSEK, K. Yield evaluation of site mapping in the Kobernauser Forest. (Ge) Centralbl. Gesamte Forstwesen 83(1):23-57. Ref. Mar.1966. 99.8 C33
English summary.
- 67993 RUSSELL, E. J. Tree growth as a return on investment. Forest Farmer Manual 25(7):26-27. Mar.1966. 99.551 F76
- 67994 SANDER, D. H. Height growth characteristics of Siberian elm [*Ulmus pumila*] in Central Great Plains windbreaks. U. S. Forest Serv. Res. Note RM-59,4 p. Dec.1965. A99.9 F7632Us
- 67995 SEMECHKINA, M. G. Exactness of determination of age of trees when using increment borers. (Rus) Les. Khoz. 11:32-33. Nov.1965. 99.8 L5622
- 67996 STAJKA, T. Cubing of forests with black pine-trees in the Puka region on the basis of the series of constant heights. (Al) Bul. Shkencave Bujqesore 4(4):124-144. Ref. 1965. 21.5 B87
English summary.
- 67997 TADAKI, Y. Studies on production structure of forest. VIII. Productivity of an *Acacia mollissima* stand in higher stand density. (Ja) Jap. Forest. Soc. J. 47(11):384-391. Ref. Nov.1965. 99.8 N62
English summary.
- 67998 TASHKOV, K., and VASILEV, K. Effect of altitude and location on growth of Scotch and Austrian pine. (Bu) Gorsko Stopanstvo 21(5):22-25. May 1965. 99.8 G682
Measurement.
- 67999 TASHKOV, K. Effect of altitude on beech stands in the Gotse-Delchev forest enterprise. (Bu) Gorsko Stopanstov 22(1):11-15, map. Jan. 1966. 99.8 G682
Increment studies.
- 68000 TOMOV, K. Growth and productivity of *Populus bachelieri*. (Bu) Gorsko Stopanstvo 21(5):26-30. May 1965. 99.8 G682
- 68001 TSANOV, TS. Study of white willow bark. (Bu) Gorsko Stopanstvo 21(4):29-32. Apr.1965. 99.8 G682
Measurement.
- 68002 WENK, G. Experimental experience in applying the angle-gauge-method. (Ge) Arch. Forstwesen 14(11/12):1255-1270. 1965. 99.8 Ar22
English summary.
- 68003 WENK, G. Theoretic principles of the angle-gauge-method. (Ge) Arch. Forstwesen 14 (11/12):1235-1253. 1965. 99.8 Ar22
English summary.
- 68004 WILDE, S. A. Theory of relativity, soil science, and forest mensuration. *Silva Fenn.* 115 (3),5 p. 1965. 99.9 F497
- 68006 BLOCH, H. The prevalence of pine in Honduras. (Ge) Allg. Forstz. 21(17):280. Apr.23, 1966. 99.8 AL52
- 68007 BONEV, I. Sequoiadendron giganteum in Bulgaria and abroad. (Bu) Gorsko Stopanstvo 22 (1):15-19. Jan.1966. 99.8 G682
- 68008 CASPARY, F. About the Serbian pine. (Ge) Allg. Forstz. 21(14):237-238. Apr.2,1966. 99.8 AL52
Culture.
- 68009 CHALUKOV, I. Some lessons from Czechoslovakian experience in the organization and planning of main cuttings. (Bu) Gorsko Stopanstvo 21(1):15-20. Jan.1965. 99.8 G682
- 68010 CHOUDHURY, A. M. Problems of silvicultural research in mangrove forest of East Pakistan. Pakistan J. Sci. 16(5/6):243-250, map. Sept./Nov.1964. 475 P172
- 68011 DAMYANOV, A. Measures for a cheaper and better growing of young tree plantations. (Bu) Gorsko Stopanstvo 21(2):11-15. Feb.1965. 99.8 G682
- 68012 EROFEEV, L. N. Calculation of the exploitation of forests according to growing stock. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:42-53. 1964. 99.9 L545
- 68013 ERSHOV, V. V. Some data on quantity of saprophytic bacteria in forest soils in Karelia. (Rus) In Plodorodie pochv Karelii 1965:119-123. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.B):44. Nov.1965. 241.7 R25
- 68014 GARELKOV, D. Place for fast growing species in beech forests. (Bu) Gorsko Stopanstvo 21 (7):3-6. July 1965. 99.8 G682
- 68015 ILIEV, A., and DONOV, V. State and outlook for poplar plantation outside the flood-plain area. (Bu) Gorsko Stopanstvo 22(1):1-6. Jan. 1966. 99.8 G682
- 68016 IVANOV, G. S., and GOLIKOV, A. I. Gradual shelterwood cuttings in oak stands of Moldavia. (Rus) Les. Khoz. 11:18-19. Nov.1965. 99.8 L5622
- 68017 JERVEN, O. Black spruce [*Picea mariana*] on marsh. (No) Arsskr. Norske Skogplantesk. 1965:86-87. 1966. 99.9 N8122
Culture.
- 68018 JOHNSON, J. W. The techniques of growing pine. Forest Farmer Manual 25(7):53-58. Mar.1966. 99.551 F76
- 68019 KALINKEVICH, A. F. Regrowth of newly cut-over areas by woody and grassy plants after preparation of soils by plows PLN-106/126 and LKA-2. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:128-142. 1964. 99.9 L545
- 68020 KANTOR, J., ed. Zakladani lesu [Establishment of a forest]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 485 p. Ref. (Lesnicka Knihovna. Lesnicka Veda a Vyzkum. Velka Rada, v.41) SD327.C95K3
- 68021 KOLSHCHOK, N., and PERZHINA, V. Some notes on the reconstruction of Bulgarian forests. (Bu) Gorsko Stopanstvo 21(9):13-16. Sept.1965. 99.8 G682
- 68022 KONSTANTINOV, V. K. Water regime of soils on cutover areas of polytrichaceous type after drainage with shallow canals. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:165-181. Ref. 1964. 99.9 L545
- 68023 KORMANIK, P. P. Predicting site index for Virginia, loblolly, and shortleaf pine in the Virginia Piedmont. U. S. Forest Serv. Res. Paper SE-20,14 p., map. Feb.1966. A99.9 F7623U
- 68024 KOSTYLEV, A. S. On formation of stands in "soft" broadleaved and spruce-broadleaved forests of the second group. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:32-41. 1964. 99.9 L545

Silviculture

- 68005 ANDERSON, C. Some factors influencing the growing and exploitation of trees for sawlog production. S. Afr. Forest. J. 56:11-19. Mar. 1966. 99.9 So82

- 68025 KOSTYLEVA, E. V. Effect of genetic soil horizons of taiga zone on growth of pine and spruce seedlings. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:143-149. 1964. 99.9 L545
- 68026 KOVALEVA, S. R. Soils of coniferous-broad-leaved forests of Chulyshman Range. (Rus) Akad. Nauk SSSR, Sibirsk. Otd. Biol. Inst. Tr. 12:57-66. 1964. 442.9 Ak17
- 68027 KUGLER, D. Pinus cembra sibirica and its management. (Ge) Allg. Forstzeitung 77(5): 92-94. May 1966. 99.8 AL53
- 68028 KYURPANOV, I. Regularities in the distribution of various forest types in the Staro-Oryakhovo forest enterprise. (Bu) Gorsko Stopanstvo 21(9):1-5. Sept. 1965. 99.8 G682
- 68029 LANDA, A. Pestovanie lesov [Culture of forests]. Ed. 3 rev. Bratislava, Slovenske Vydavatel'stvo Podhospodarskej Literatry, 1965. 441 p. Ref. (Kniznica Lesneho Hospodarstva) SD327.C95L3
- 68030 LAUT, J. G. Cultural characteristics of three species of Boletinus. Can. J. Bot. 44(4):395-402. Ref. Apr. 1966. 470 C16C
Laboratory study of mycorrhizal fungi B. amabilis, B. cavipes and B. ochraceoroseus in forest tree development.
- 68031 LOSONCZI, P., and GARAMVOLGYI, K. Designation of areas suitable for planting of poplars and agricultural production of cellulose poplars. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432: 1-10. Apr. 18, 1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
In Hungary.
Translation from Erdeszeti Ertesito 4:25-29. Feb. 1966.
Issued by CFSTI.
- 68032 MAL'TSEV, G. I. Effects of agrotechnics on growth of Crimean and Scotch pine. (Rus) Les. Khoz. 11:44-45. Nov. 1965. 99.8 L5622
- 68033 MAYER, H. Silvicultural developmental trends. (Ge) Allg. Forstzeitung 77(2):19-25. Ref. Feb. 1966. 99.8 AL53
- 68034 MCCLELLAN, J. C. The first twenty-five years of tree farming. Cross Tie Bull. 47(5): 7-11. May 1966. 99.82 C87
- 68035 MCKNIGHT, J. S., and JOHNSON, R. L. The techniques of growing hardwoods. Forest Farmer Manual 25(7):59-68. Mar. 1966. 99.551 F76
Southern States.
- 68036 MIEGROET, M. VAN. Use of selection cutting in Netherlands. (Du) Ned. Bosbouw Tijdschr. 37(10):310-334. Ref. Oct. 1965. 99.8 N28
German summary.
- 68037 MIKHEEV, N. I. Cutting system in pine-type forests of western Angara River area. (Rus) Les. Khoz. 12:21-24. Dec. 1965. 99.8 L5622
Effect on regeneration.
- 68038 MOJUMDER, S. K., VERMA, B., and RAJ, P. S. A preliminary study on the growth performance of different species of the eucalypts in the ravine tracts of Gujarat. I. J. Soil Water Conserv. India 13(1/2):1-7. Ref. Jan./June 1965. 56.8 J824
- 68039 MOROZOV, I. R. Opredelitel' iv SSSR i ikh kul'tura [Key to the willows in USSR and their culture]. Moskva, Lesnaya Promyshlennost', 1966. 253 p., map. Ref. SD397.W5M6
- 68040 PACHLEWSKI, R. Mycotrophy of the seedlings of the Polish [Larix polonica] and Sudeten larch [Larix sudetica] in natural and artificial conditions of development. 33 p. Ref. (OTS 61-11332) Transl. 14641
Translation from Acta Societatis Botanicorum Poloniae 22(1):133-168. 1953.
CFSTI: \$0.50.
- 68041 PALASHEV, I., GARILOV, CH., and DIMITROV, D. An experience in creation of Ailanthus [glandulosa] plantations. (Bu) Gorsko Stopanstvo 21(7):40-43. July 1965. 99.8 G682
- 68042 PENEV, N. General regularities of conversion dynamics of some stands by two-storied and more productive forest groups. (Bu) Gorsko-stopanska Nauk. 1(4):7-27. 1964. 99.8 G683
German summary.
- 68043 PENEV, N. Increasing of areas with two-storey plantings. (Bu) Gorsko Stopanstvo 22(3):27-31. Mar. 1966. 99.8 G682
- 68044 PETKOV, P. D. Decreasing the time in cutting cycles. (Bu) Gorsko Stopanstvo 21(4):4-10. Apr. 1965. 99.8 G682
- 68045 PETROV, KH. T. Soil fertility in the Staro-Oryakhovo forest enterprise. (Bu) Gorsko Stopanstvo 21(7):7-11. July 1965. 99.8 G682
- 68046 PETROV, M. N. Possibilities of cork oak (Quercus suber L.) culture in the Petrich and Sandanski Region. (Bu) Priroda [Sofia] 16(3): 101-104. Nov./Dec. 1964. 410 P934
- 68047 PETROV, N. F. The effectiveness of long-term shelterwood fellings. (Rus) Les. Prom. 5:22-23. May 1965. 99.82 L56
- 68048 PIERRE, B., and LOUIS, J. Osier culture in France. (Fr) Bull Engrais 483:199-202. Oct. 1965. 57.8 B87
Salix varieties.
- 68049 PRIEHAUSSER, G. Variations and combinations in spruce trees growing in Bavarian forests determined by phenotypic characters with identification key. 2 p. Transl. 14583
Translation from Forstwissenschaftliches Centralblatt 77:151-172. 1958.
- 68050 RIZOV, P. Results of the main cut in a white pine plantation. (Bu) Gorsko Stopanstvo 21(12): 6-10. Dec. 1965. 99.8 G682
- 68051 RUDNEVA, E. N., TONKONOGOV, V. D., and DOROKHOVA, K. YA. Ash element and nitrogen cycles in spruce green-moss forest of the northern taiga in the Mezen Basin. (Rus) Pochvovedenie 3:14-26. Ref. Mar. 1966. 57.8 P34
English summary.
- 68052 RUMYANTSEV, G. T., and TIKHONOV, A. S. Economic indices of gradual shelterwood cuttings in larch-spruce stands. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:87-99. Ref. 1964. 99.9 L545
- 68053 SENNOV, S. S. Spruce growth in mixed stands and date for improvement cutting. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:120-127. 1964. 99.9 L545
- 68054 SHAKHOV, G. N. Work management and wages of forest labor engaged in improvement cuttings. (Rus) Les. Khoz. 12:36-41. Dec. 1965. 99.8 L5622
- 68055 SHUBIN, V. I., and DANILEVICH, V. M. Microorganisms in the basic types of soils on felling areas in the southern Karelia. (Rus) In Plodorodie pochv Karelii 1965:159-170.
Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.B):44. Nov. 1965. 241.7 R25
- 68056 SOBOTKA, A. A contribution to the problem of mycorrhizae on maples in some forest types. Commun. Inst. Forest. Cech. 4:205-217. Ref. 1965. 99.9 P884
- 68057 STANDL, V., ed. Pestovani lesu [Cultivation of a forest]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 488 p. Ref. (Lesnicka Knihovna. Knihovna Lesniho Hospodare, Uceb-nice, v.12) SD327.C95S7
Includes breeding.
- 68058 STOECKELER, J. H. Frost penetration and trafficability in two peats as affected by snow-pack and surface mosses. U. S. Forest Serv. Res. Note LS-70, 4 p. Dec. 1965. A99.9 F7624
Forested peat in Lake States.

- 68059 SUDER, M. Special achievements in silviculture and forest exploitation, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:1-6. Dec.21, 1964. (JPRS 27,932) 173 J663Ste
Translation from Revista Padurilor 8:407-409. Aug.1964.
Issued by CFSTI.
- 68060 THURN, P. Silvicultural notions in the virgin forest of Bialowieza [Bialowieski Park Narodowy]. (Ge) Allg. Forstzeitung 77(3):58-59. Mar.1966. 99.8 AL53
- 68061 TIHONOV, A. S. Results of 40-50 year-old cuttings of two-storied larch-spruce stands on preservation of spruce layer. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:65-86. Ref. 1964. 99.9 L545
- 68062 TRONCO, G. Poplar culture; significant comparisons. (It) Prog. Agr. [Bologna] 11(6):615-624. June 1965. 58.8 P94
Countries other than Italy.
- 68063 VAN LAAR, A. Aspects of pine growing in South Africa. (Du) Ned. Bosbouw Tijdschr. 37(11):355-369, map. Nov.1965. 99.8 N28
English summary.
- 68064 VISHNYAKOVA, Z. V. Microorganisms in mountainous soils of cedar-fir forests and their felling areas. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. Seriya Biologicheskoye-Meditsinskikh Nauk 12(3):57-61. 1964. 442.9 Ak125
Abstracted in Ref. Zh. Biol. 22(sect.B):43-44. Nov.1965. 241.7 R25
- 68065 WEISS, E. Forest soil value for spruce in relation to stand size. (Ge) Allg. Forstz. 21(17):284. Apr.23,1966. 99.8 AL52
In reference to article by W. Niejahr.
- 68066 WILLISTON, H. L. Forest floor in loblolly pine plantations as related to stand characteristics. U. S. Forest Serv. Res. Note SO-26,3 p. 1965. A99.9 F7628U
Mississippi.
- 68067 WITZGALL, R. L. Can we produce more in silviculture with patience? (Ge) Allg. Forstzeitung 77(5):94-95. May 1966. 99.8 AL53
Pine and spruce, chiefly.
- 68068 ZDRAVKOV, K. More plantations of cultivated hazelnut varieties. (Bu) Gorsko Stopanstvo 21(2):16-19. Feb.1965. 99.8 G682
As forest culture.
- 68069 ZHELEV, I. Experiment in setting up a system for clear cuttings in narrow strips. (Bu) Gorsko Stopanstvo 21(4):14-17. Apr.1965. 99.8 G682
- 68070 ZUBAREV, V. M. Structure of Siberian pine stands and possibilities of fellings. (Rus) Les. Khoz. 11:15-18. Nov.1965. 99.8 L5622
Includes measurements.
- Silvicultural Practices**
- 68071 BEL'KOV, V. P. Herbicides in weed control in pine and spruce stands in the taiga zone. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:239-264. Ref. 1964. 99.9 L545
Chiefly Atrazine and Simazine.
- 68072 BENZIAN, B. Nutrition experiments in forest nurseries. Quart. J. Forest. 60(2):94-100. Ref. Apr.1966. 99.8 Q2
- 68073 CHILDS, T. W., and WILCOX, E. R. Dwarf-mistletoe [Arceuthobium campylopodum] effects in mature ponderosa pine forests in south-central Oregon. J. Forest. 64(4):246-250. Apr.1966. 99.8 F768
- 68074 ELPAT'EVSKII, M. P. Melioration of water-logged pine stands. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:150-164. Ref. 1964. 99.9 L545
Drainage.
- 68075 ERDMANN, G. G. Weed control and fertilization in white pine [Pinus strobus] plantings of western Iowa. U. S. Forest Serv. Res. Note CS-36,6 p. July 1965. A99.9 F7629
- 68076 EVERS, F. H. Some principles and problems of forest fertilization. (Ge) Allg. Forstz. 21(15/16):252-256. Apr.9,1966. 99.8 AL52
- 68077 FULLER, R. G. The EEI-[Edison Electric Institute] Battelle tree growth retardant research project. Int. Shade Tree Conf. Proc., 41st Conf.:151-155. 1965. 99.9 N218
- 68078 GABAI, V. S. Preparation of sites for pine culture on sandy soils of dry steppe area. (Rus) Les. Khoz. 11:37-41. Nov.1965. 99.8 L5622
- 68079 HANSMANN, G. Large area application of gramoxone to liberate 1-6 years old cultures. (Ge) Allg. Forstz. 21(11/12):203-204. Mar.12, 1966. 99.8 AL52
Pine, spruce and oak weed control.
- 68080 HEIKURAINEN, L., KELTIKANGAS, M., and SEPPALA, K. Kustannusten jakaminen yhteisssa metsaojitushankkeissa. Allocation of cost in joint forest drainage undertakings. Silva Fenn. 115(1),39 p., map. Ref. 1965. 99.9 F497
English summary.
- 68081 HEISKANEN, V. Aikautkimuksia koivun kar-simisesta. Time studies on the pruning of birch. Silva Fenn. 115(6),24 p. 1965. 99.9 F497
English summary.
- 68082 HIMMELFREUNDPOINTNER, K. Fertilization experiment in a spruce stand. (Ge) Allg. Forstzeitung 77(3):48-56. Ref. Mar.1966. 99.8 AL53
Liming and mineral fertilizer effects.
- 68083 HOLSTENER-JORGENSEN, H. Fertilizing of mineral soils in forest. (Da) Hedeselsk. Tids-skr. 86(13):307-309. Oct.15,1965. 11 H35
- 68084 HUSENICA, J. Problems of fertilizers for young forests in the German Democratic Republic. (Cz) Les [Bratislava] 22(3):127-128. Mar.1966. 99.8 L5632
- 68085 JOHNS, H. R. What's wrong with chemical vegetation control. Int. Shade Tree Conf. Proc., 41st Conf.:148-151. 1965. 99.9 N218
Trees.
- 68086 JUNGMEIER, W. Forest fertilizing experiment "Trattnermoos." (Ge) Allg. Forstzeitung 77(5):96-97. May 1966. 99.8 AL53
Chiefly with Thomas phosphate.
- 68087 KOZLOWSKI, T. T. Nursery weed control in red pine and black spruce nursery beds. Forest. Res. Notes. 127,3 p. June 1965. 99.8 F76292
With DCPA
- 68088 KRAPFENBAUER, A. Remarks to the article "Fertilization experiment in a spruce stand." (Ge) Allg. Forstzeitung 77(5):85. May 1966. 99.8 AL53
- 68089 LEMKE, W., and LAMBRECHT, W. Further experiences in the use of transportable large equipment for chemical weed control in the forest. (Ge) Forsttech. Inform. 3:15-19. Mar.1966. 99.8 F7794
- 68090 LIEFSTINGH, G. Chemical clearing, a possibility? Ghana Farmer 9(1):8-14. Feb.1965. 24 G564
Killing of forest trees with 2,4,5-T.
- 68091 MAGNANI, G. Preliminary weed control trials in vivo of Eucalyptus. (It) Cell. Carta 17(1):30-35. Jan.1966. 302.9 En8
English summary.
Chemical.
- 68092 MAYER, H. Forest fertilizing and care of stand. (Ge) Allg. Forstzeitung 77(5):83-84. May 1966. 99.8 AL53
- 68093 MULLER, J. Comparative investigations on the effects of some new triazine herbicides on conifers and hardwoods in growing in forest nurseries. (Ge) Arch. Forstwesen 15(1):85-99. Ref. 1966. 99.8 Ar22
English summary.
- 68094 OLIVER, F. Early thinnings of Sitka spruce. Scot. Forest. 20(2):104-108. Apr.1966. 99.8 Sco3

- 68095 POLYAKOV, D., and SHMATOV, G. Planning of simplified drainage in forest management operations. (Rus) Les. Khoz. 11:29-31. Nov. 1965. 99.8 L5622
- 68096 PYATETSKII, G. E. Drainage of upland moors. (Rus) Les. Khoz. 11:10-15. Nov. 1965. 99.8 L5622
Karelian forests.
- 68097 P'YAVCHENKO, N. I. Study of marshes and water-logged forests for forest management operations. (Rus) Les. Khoz. 11:23-29. Nov. 1965. 99.8 L5622
Chiefly in relation to drainage.
- 68098 RANDALL, A. G. A prescribed burn following a clearcut in the spruce type. Maine. Agr. Exp. Sta. Misc. Publ. 675, 12 p. Feb. 1966. 100 M28S
- 68099 RAUNKJAER, S. Control of undesirable vegetation in forests. III. (Da) Sammenslutningen 19 (2):40-42, 44. Feb. 1966. 11 Sa46
Chemical control.
- 68100 REULECKE, K. Tillage with large machines on large area. (Ge) Forst- Holzwirt 21(5):101-103. Mar. 8, 1966. 99.8 F7724
- 68101 ROMANCIER, R. M. 2, 4-D, 2, 4, 5-T, and related chemicals for woody plant control in the southeastern United States. Ga. Forest Res. Council. Rep. 16, 46 p. Ref. 1965. 99.9 G299R
Bibliography, p. 35-43, 45-46.
- 68102 RYABININ, V. P. Sawdust as high-quality mulch in forest nurseries. (Rus) Les. Khoz. 12:50-52. Dec. 1965. 99.8 L5622
- 68103 SAGL, W. Fertilizing, thinning and growth. (Ge) Allg. Forstzeitung 77(5):86-87. May 1966. 99.8 AL53
- 68104 SEIBT, G., and WITTICH, W. Ergebnisse langfristiger Dungungsversuche im Gebiet des nordwestdeutschen Diluviums und ihre Folgerungen für die Praxis [Results of extended fertilization experiments in the northwestern German diluvium region and their conclusions for the practice]. Göttingen. Univ. Forstl. Fak. Schriftenreihe 27/28, 156 p. Ref. p. 154-156. 1965. 99.9 G71
Mineral fertilization of forests.
- 68105 SHCHEKOTIN, E. A. Substantiation of work of aggregate of cable-winch traction for construction of forest drainage canals. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:319-339. 1964. 99.9 L545
- 68106 VASILEV, N., and LESHCHARSKI, KH. Rotary soil cultivator connected to the motor of the motor-driven "Druzhba" saw. (Bu) Gorsko Stopanstvo 21(2):40-44. Feb. 1965. 99.8 G682
- 68107 VILCSEK, J. Mechanization of soil care of forest rows and between rows. (Hu) Erdo 15 (3):126-131. Mar. 1966. 99.8 Er22
German summary.
- 68108 VIRO, P. J. The profitability of forest fertilization. (Fi) Metsataloudellinen Aikakauslehti 83(3):137-138, 141-143. Mar. 1966. 99.9 F49
English summary.
- 68109 WALKER, L. C. Chemicals—their use in forest farming. Forest Farmer Manual 25(7):92-95. Mar. 1966. 99.551 F76
- 68110 WILLIAMSON, R. L. Thinning response in 110-year-old Douglas-fir. U. S. Forest Serv. Res. Note PNW-36, 7 p., map. Feb. 1966. A99.9 F7625U
- 68111 WITTMANN, R. Suggestions for poplar fertilizing. (Ge) Forst- Holzwirt 21(5):110-111. Mar. 8, 1966. 99.8 F7724
- 68112 WORTHINGTON, N. P. Response to thinning — 60-year-old Douglas-fir. U. S. Forest Serv. Res. Note PNW-35, 5 p. Feb. 1966. A99.9 F7625U
- 68113 ZAKHAROV, V. A., RUBTSOV, V. G., and SHCHEKOTIN, E. A. Canal-digger of the cable-winch traction and its application in forest drainage work. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:294-318. 1964. 99.9 L545
- Regeneration and Breeding**
- 68114 ADAMOVICH, E. I. Resinous cavities in Thuja occidentalis. 2 p. Transl. 15876
Translation from Botanicheskii Zhurnal 49 (3):403-404. 1964.
- 68115 ALTHER, E. The importance of planting arrangement for the performance of spruce stands. (Ge) Allg. Forstz. 21(11/12):191-194, 196-200. Ref. Mar. 12, 1966. 99.8 AL52
- 68116 BALATINECZ, J. J., FORWARD, D. F., and BIDWELL, R. G. S. Distribution of photoassimilated C¹⁴O₂ in young jack pine [Pinus banksiana] seedlings. Can. J. Bot. 44(3):362-364. Mar. 1966. 470 C16C
- 68117 BARBER, J. C. Genetics, seed orchards and forest farming. Forest Farmer Manual 25(7):104-105. Mar. 1966. 99.551 F76
- 68118 BARNETT, J. P., and MCLEMORE, B. F. Cone and seed characteristics of sand pine. U. S. Forest Serv. Res. Paper SO-19, 13 p., map. Ref. 1965. A99.9 F7628Us
Florida.
- 68119 BAULE, H., and FRICKER, C. Which plant physiological regularities are decisive for the nutrition of forest plants. (Ge) Allg. Forstz. 21(15/16):260-261. Ref. Apr. 9, 1966. 99.8 AL52
- 68120 BOL, M., and TROMP, P. H. M. Productivity of planting machines. (Du) Ned. Bosbouw Tijdschr. 38(2):76-84. Feb. 1966. 99.8 N28
English summary.
Planting of conifers.
- 68121 BORSODORF, W. Contributions to the knowledge of the variety group Populus X berolinensis Dipp. and its relatives. (Ge) Zuchter 35(7):327-335. Ref. 1965. 442.8 Z8
Breeding.
- 68122 BORTITZ, S., and VOGL, M. Physiological and biochemical contributions to research on damage from air pollution. 5. Experiments to achieve a rapid test for the pre-selection of smoke resistance in breeding larch. (Ge) Zuchter 35(7):307-311. 1965. 442.8 Z8
Larix decidua and L. leptolepis in East Germany.
- 68123 BOSSHARD, H. H. Aspects of aging of forest trees. (Ge) Schweiz. Z. Forstwesen 117(3/4):168-175. Ref. Mar./Apr. 1966. 99.8 J82
French summary.
- 68124 BOX, B. H., LINNARTZ, N. E., and APPLEQUIST, M. B. Growth of slash and loblolly pine in a mixed plantation in southwestern Louisiana. LSU (La. State Univ.) Forest. Notes 58, 3 p. Nov. 1964. 99.8 L93
- 68125 BURGER, F. W. Development of forest seedling culture in Netherlands. (Du) Ned. Bosbouw Tijdschr. 38(1):41-53. Jan. 1966. 99.8 N28
- 68126 CANADA, DEPT. OF AGRICULTURE. TREE NURSERY, INDIAN HEAD, SASKATCHEWAN. Summary report, 1965. Indian Head, 1965? 32 p. 99.9 C1642
- 68127 CARR, J. D. The propagation of indigenous trees. Trees S. Afr. 17(2):30, 32, 34, 36-38, 40. July/Sept. 1965. 99.8 T716
- 68128 CATALINA, L. New process for tree planting. (Sp) Cult. Mod. 49(3):94. Mar. 1966. 15 C89
Forests in Spain.
- 68129 CHUNG CH'I. Reforestation in China's economic growth. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 26:1-8. Jan. 27, 1965. (JPRS 28,507) 173 J663Tcf
Translation from Ching Chi Tao Pao, Dec. 21, 1964:11-12.
Issued by CFSTI.
- 68130 COLLINS, P. The cedars of Lebanon rise again. Freedom Hunger 6(37):26-28. July/Aug. 1965. 389.8 F872
Reforestation program.

- 68131 CONLEY, W. T., DAWSON, D. H., and HILL, R. B. The performance of eight seed sources of ponderosa pine [*Pinus ponderosa*] in the Denhigh Experimental Forest, North Dakota. U. S. Forest Serv. Res. Note LS-71,4 p., map. Dec. 1965. A99.9 F7624
- 68132 COOK, D. B. Cooxrox larch study in New York State. Scot. Forest. 20(2):109-116. Apr. 1966. 99.8 Sco3
Provenance study in Cooxrox Forest.
- 68133 DIMITROV, S. Sixty years of productive life. (Bu) Gorsko Stopanstvo 22(3):10-14. Mar. 1966. 99.8 G682
History of reforestation and erosion control.
- 68134 DOBOS, T. Drying effect of wind and sun on *Pinus sylvestris* seedling. (Hu) Erdo. 15(3): 114-118. Mar. 1966. 99.8 Er22
German summary.
- 68135 DOBRINOV, I. Application of radioisotopes and irradiation in forest genetics and selection. (Bu) Gorsko Stopanstvo 22(3):41-45. Mar. 1966. 99.8 G682
- 68136 DOBRINOV, I. Effect of seed origin on growth of white pine seedlings. (Bu) Gorsko Stopanstvo 21(5):16-19. May 1965. 99.8 G682
- 68137 DOBRINOV, I. Establishment of seed orchards in Bulgaria. (Bu) Gorsko Stopanstvo 22(1):7-10. Jan. 1966. 99.8 G682
- 68138 EVANS, R. W. Use of polythene bags as seedling containers in plantation establishment in the Tropics. Australia. Forest. Timber Bur. Leaflet. 93, 26 p. 1965. 99.8 Au73
- 68139 FERRILL, M. D., and WOODS, F. W. Root extension in a longleaf pine plantation. Ecology 47(1):97-102. Ref. Winter 1966. 410 Ec7
The application of radioactive iodine in *Pinus*.
- 68140 FISCHER, K. Sowing of acorns with the help of farm tractors. (Ge) Allg. Forstz. 21(11/12): 211-213. Mar. 12, 1966. 99.8 AL52
- 68141 FRANKE, G., and LOSCHAU, M. Problem of foresting dune areas with *Casuarina equisetifolia* Forst. in the Democratic Republic of Vietnam. (Ge) Leipzig. Karl Marx Univ. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 3(1):59-72. 1965. 26 L53
English summary.
- 68142 FROLAND, A. Planting in plastic greenhouses. (No) Arsskr. Norske Skogplantesk. 1965:47, 49-51, 53-54, 56-58. 1966. 99.9 N8122
Spruce and pine seeds.
- 68143 GANCHEV, A., and GANCHEV, P. Some morphological, phenological and growth indices for the determination of form variations of the Norway spruce [*Picea excelsa*] seedlings. (Bu) Gorsko Stopanstvo 21(1):1-6. Jan. 1965. 99.8 G682
- 68144 GATHERUM, G. E. European larch provenance trial in Northeast Iowa. Iowa State J. Sci. 40(3):287-291. Feb. 15, 1966. 470 Io9
Larix decidua and *L. eurolepis*.
- 68145 GENAUX, C. M. Morphology of Christmas trees. N. Y. Christmas Tree Growers' Ass. Bull. 4(1):1-3, 7. Mar. 1966. 99.9 N4822.
- 68146 GIRGIDOV, D. YA., and DOLGOLIKOV, V. I. Grafting of Norway spruce. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:213-218. 1964. 99.9 L545
- 68147 GIRGIDOV, D. YA., DOROSHENKO, M. V., and LEBEDENKO, L. A. Morphogenesis of generative buds in pine [*Pinus sylvestris*], spruce [*Picea excelsa*] and larch [*Larix sukaczewii*]. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8: 190-212. Ref. 1964. 99.9 L545
- 68148 GIRGIDOV, D. YA. Some peculiarities of flowering of Scotch pine [*Pinus sylvestris*]. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:182-189. 1964. 99.9 L545
- 68149 GODDARD, R. E., and STRICKLAND, R. K. Cooperative Forest Genetics Research Program; 7th progress report, June, 1965. Fla. Univ. Sch. Forest. Res. Rep. 11, 18 p. June 1965. 99.9 F664
Slash pine.
- 68150 GOEBEL, C. J. Effect of herbicides on seedling development in an Iowa conifer plantation. Iowa State J. Sci. 40(3):303-313. Ref. Feb. 15, 1966. 470 Io9
- 68151 GOOD, N. F. A study of natural replacement of chestnut [*Castanea dentata*] in New Jersey. Diss. Abs. 26(10):5675. Apr. 1966. 241.8 M58
- 68152 GOOR, C. P. VAN. Requirements for coniferous seedlings and the results of the growing methods. (Du) Ned. Bosbouw Tijdschr. 38(1): 20-28. Jan. 1966. 99.8 N28
- 68153 HADFIELD, M. Some more cut-leaved trees. Quart. J. Forest. 60(2):120-126. Apr. 1966. 99.8 Q2
In relation to genetics.
- 68154 HALL, J. M. Financial aspects of tree planting. Consultant 10(4):11-14. Oct. 1965. 99.8 C764
- 68155 HALLS, L. K., and ALCANIZ, R. Rooting cuttings of browse plants. U. S. Forest Serv. Res. Note SO-25, 2 p. 1965. A99.9 F7628U
- 68156 HALLS, L. K., and ALCANIZ, R. Seasonal twig growth of Southern browse plants. U. S. Forest Serv. Res. Note SO-23, 5 p.-folder. 1965. A99.9 F7628U
- 68157 HELMS, J. A. Diurnal and seasonal patterns of net assimilation in Douglas-fir, *Pseudotsuga menziesii* (Mirb.) Franco, as influenced by environment. Ecology 46(5):698-708. Ref. Late summer 1965. 410 Ec7
- 68158 HOYLE, M. C. Addition of phosphorus to subsoil promotes root development of yellow birch [*Betula alleghaniensis*]. U. S. Forest Serv. Res. Note NE-42, 7 p. 1965. A99.9 F7622U
- 68159 HUURI, O. Finnish observations on planting pine [*Pinus sylvestris* L.] in peat pots. (Fi) Suo 16(5/6):1-10. Dec. 31, 1963. 54.8 Su7
English summary.
- 68160 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Agriculture in Ladakh. 2. Ladakh lands can be afforested. Indian Farming 15(2): 22-25. May 1965. 22 In283
- 68161 IOVOV, D. Practical method for the production of aspen seeds and seedlings. (Bu) Gorsko Stopanstvo 21(1):32-33. Jan. 1965. 99.8 G682
Includes breeding.
- 68162 IVANOV, T. Closer ties with the past. (Bu) Gorsko Stopanstvo 21(2):45-48. Feb. 1965. 99.8 G682
History of reforestation in Bulgaria.
- 68163 JONES, R. M. Tree establishment on scalds in the Hay Plain. New S. Wales. Soil Conserv. Serv. J. 22(1):42-47. Jan. 1966. 56.9 N472
- 68164 JURRIAANSE, T. Planting of pine seeds with tractor. (Du) Ned. Bosbouw Tijdschr. 37(11): 370-373. Nov. 1965. 99.8 N28
- 68165 KALININ, M. I. Belt planting of oak in steppe area. (Rus) Les. Khoz. 11:41-44. Nov. 1965. 99.8 L5622
As windbreak.
- 68166 KHAVRON'IN, A. Mechanized reforestation of steppe areas of Kuibyshev Region. (Rus) Les. Khoz. 12:70-72. Dec. 1965. 99.8 L5622
- 68167 KHOROZOV, S. Use of humus of larch stands as growth stimulator for larch seedlings in nurseries. (Bu) Gorsko Stopanstvo 21(11):12-13. Nov. 1965. 99.8 G682
- 68168 KHRAMENOK, A. F., ZHEREBTSOV, V. G., and PETRENKO, V. A. Complex mechanization of steppe reforestation. (Rus) Les. Khoz. 12:64-66. Dec. 1965. 99.8 L5622
- 68169 KOSTER, R. Inspection and selection of seeds and planting material. (Du) Ned. Bosbouw Tijdschr. 38(1):3-19. Jan. 1966. 99.8 N28

- 68170 KOTS, Z. P. Development and structure of embryo sac in white poplar. (Rus) In Selektsiya, introduktsiya i semenovodstvo drevesn. lesn. porod 1964:60-63. (Not in Libr.) Abstracted in Ref. Zh. Biol. 20(sect.V):15. Oct.1965. 241.7 R25
- 68171 KRAPPENBAUER, A. Site problems in the establishment of a central forest nursery. (Ge) Allg. Forstzeitung 77(3):46-48. Mar.1966. 99.8 AL53
- 68172 KRYUCHKOV, V. V. Planting of trees in tundra. (Rus) Priroda [Moscow] 2:69-71. Feb. 1966. 410 P933
Chiefly effect of weather and acclimatization to high altitude.
- 68173 LANGE, O. Planting and care of poplars. (Ge) Forst- Holzwirt 21(5):108-110. Mar.8,1966. 99.8 F7724
- 68174 LANGE, O. L., and SCHULZE, E. D. Studies on the diameter development of the cuticular cell wall layers of spruce needle. (Ge) Forstwiss. Centralbl. 85(1/2):27-38. Ref. Jan./Feb. 1966. 99.8 F775
- 68175 LANGNER, W. The problem of anomalous growth sections in larch progenies. (Ge) Allg. Forstzeitung 77(5):90-92. May 1966. 99.8 AL53
- 68176 LANGNER, W. Some test results of the inbreeding problem during forestry seed production. 10 p. Ref. Transl. 15899
No source of translation given; presented to Section 22, of International Union of Forest Research Organizations in Vienna, 1961.
- 68177 LASHKEVICH, V. I. Cambial activity of pine trees of various growth classes. (Rus) Les. Khoz. 12:30-31. Dec.1965. 99.8 L5622
- 68178 LATTKE, H. Investigations of test methods for early detection of phototropism in poplar and willow varieties. (Ge) Zuchter 35(6):267-278. Ref. 1965. 442.8 Z8
Seedlings.
- 68179 LATTKE, H. Present state and prospects of willow-tree breeding. (Ge) Arch. Forstwesen 15(1):27-47, map. Ref. 1966. 99.8 Ar22
English summary.
International survey.
- 68180 LEBEDENKO, L. A. Anatomy of grafts of Norway spruce. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:219-228. Ref. 1964. 99.9 L545
- 68181 LEHOTSKY, L. Establishing tree seed orchards. (Cz) Les [Bratislava] 22(3):97-101. Mar.1966. 99.8 L5632
- 68182 LIEBOLD, E. Possibilities of determining the growth power of individual trees in even-aged pure spruce stands. (Ge) Arch. Forstwesen 14(11/12):1285-1316. Ref. 1965. 99.8 Ar22
English summary.
- 68183 LINES, R. Choosing the right provenance of lodgepole pine (*Pinus contorta*). Scot. Forest. 20(2):90-103, map. Apr.1966. 99.8 Sco3
- 68184 LOCSEY, I. The effectiveness of our afforestation. (Hu) Erdogazdasag Faipar 20(3):13-14. Mar.1966. 99.8 Er2
- 68185 LOPATIN, A. V. Mounted implement for digging out seedlings in forest nurseries. (Rus) Les. Khoz. 11:85-86. Nov.1965. 99.8 L5622
On tractors.
- 68186 MANN, H. J. Forestation in suitable planting arrangements. (Ge) Mitt. Deut. Landwirt.-Ges. 81(11):435-437. Mar.17,1966. 18 N39
- 68187 MANN, W. F. Guides for direct-seeding the southern pines. Forest Farmer Manual 25(7):99-103. Mar.1966. 99.551 F76
- 68188 MAPLE, W. R. Forest species compared in Ozark plantations. U. S. Forest Serv. Res. Note SO-28, 2 p. 1965. A99.9 F7628U
Growth of trees in Arkansas.
- 68189 MAPLE, W. R. Shortleaf pine stands five years after seedfall on prepared sites. U. S. Forest Serv. Res. Note SO-27, 2 p. 1965. A99.9 F7628U
Arkansas.
- 68190 MAY, J. T. Regeneration. Forest Farmer Manual 25(7):96-98. Mar.1966. 99.551 F76
- 68191 MEIDEN, H. A. VAN DER. Requirements for hardwood seedlings. (Du) Ned. Bosbouw Tijdschr. 38(1):29-40. Jan.1966. 99.8 N28
- 68192 MICHEV, B. Seed bases in Bulgarian forests. (Bu) Gorsko Stopanstvo 21(9):6-11. Sept.1965. 99.8 G682
- 68193 MICHEV, B. Weight of seeds of some forest tree and shrub varieties. (Bu) Gorsko Stopanstvo 21(4):26-28. Apr.1965. 99.8 G682
- 68194 MILCHEV, I. Afforestation of Golo Bardo area. (Bu) Gorsko Stopanstvo 21(4):18-22. Apr.1965. 99.8 G682
- 68195 MINCKLER, L. S., and JANES, D. Pin oak [*Quercus palustris*] acorn production on normal and flooded areas. Mo. Agr. Exp. Sta. Res. Bull. 898, 15 p. Dec.1965. 100 M693
- 68196 MOGENSEN, H. L. A contribution to the anatomical development of the acorn in *Quercus L.* Iowa State J. Sci. 40(3):221-225. Ref. Feb.15, 1966. 470 Io9
- 68197 NATHER, H. Seed information, 1966. (Ge) Forstl. Bundesversuchsanst. Wien. Inform. 100, 2 p. In Allg. Forstzeitung 77(3). Mar.1966. 99.8 AL53
Includes provenance.
- 68198 ORLOV, F. B., and MALAKHOVETS, P. M. Best planting time for coniferous trees in the North. (Rus) Les. Khoz. 12:53-55. Dec.1965. 99.8 L5622
Germination of spruce and pine.
- 68199 OUELLET, C. E. Comparison of two methods for rooting cuttings of the American elm (*Ulmus americana*). (Fr) Can. J. Plant Sci. 46(2):115-124. Mar.1966. 450 C16
- 68200 OVELAND, G. Why do we store forest seedlings? (No) Arsskr. Norske Skogplantesk 1965:82-83. 1966. 99.9 N8122
- 68201 OVERBEEK, J. L. F. Reforestation and recreation in East Flevoland. (Du) Ned. Bosbouw Tijdschr. 37(9):289-292, map. Sept.1965. 99.8 N28
- 68203 PAVLOVSKII, E. Development of root systems in forest trees planted by cluster method. (Rus) Vestnik Sel'skokhoz. Nauk. [Moscow] 2:75-80. Feb.1966. 20 V633
English summary.
- 68202 PASE, C. P. Shrub seedling regeneration after controlled burning and herbicidal treatment of dense pringle manzanita chaparral. U. S. Forest Serv. Res. Note RM-56, 2 p. Nov.1965. A99.9 F7632Us
Use of 2,4-D on *Arctostaphylos pringlei* in Arizona.
- 68204 PEEV, KH. The cedars growing along the Black Sea coast around Varna and the chances to use them for afforestation purposes. (Bu) Gorsko Stopanstvo 21(2):19-22. Feb.1965. 99.8 G682
- 68205 PETERKEN, G. F. Mortality of holly (*Ilex aquifolium*) seedlings in relation to natural regeneration in the New Forest. J. Ecol. 54(1):259-269. Mar.1966. 450 J829
- 68206 POLSTER, H., BORTITZ, S., and VOGL, M. Plant physiological investigations in service of cultivating smoke resistant coniferous trees. (Ge) Sozialistische Forstwirtschaft. 15(12):368-370. Ref. Dec.1965. 99.8 W143
- 68207 PURCELEAN, S. On natural regeneration of the Austrian oak in mixed hardwood forests in hilly regions of Rumania. (Fr) Rev. Forest. Franc. 17(12):832-840. Dec.1965. 99.8 R329
Quercus robur.
- 68208 RADUTU, A. Technical progress in silviculture in 1944-1964, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:15-23. Dec.21,1964. (JPRS. 27,932) 173 J663Ste
Chiefly reforestation policies.
Translation from Revista Padurilor 8:414-420. Aug.1964.
Issued by CFSTI.

- 68209 RAISCH, R. D., and GALLAHER, H. G. Tree planting guide. Kans. State Univ. Agr. Ext. L-72, rev., 8 p.-folder. Jan. 1966. 275.29 K13Le Forest trees.
- 68210 RANGELOV, K. Causes of stem curving in Italian oak. (Bu) Gorsko Stopanstvo 21(11):10-11. Nov. 1965. 99.8 G682 Effects of environment.
- 68211 REID, R. W., and WATSON, J. A. Sizes, distributions, and numbers of vertical resin ducts in lodgepole pine. Can. J. Bot. 44(4):519-525. Ref. Apr. 1966. 470 C16C Pinus contorta.
- 68212 RICHTER, J. Problems of planting arrangement with the spruce. (Ge) Allg. Forstz. 21(17):277-279. Apr. 23, 1966. 99.8 AL52
- 68213 ROEBBEL, H. History of artificial forest establishment in South Africa. (Ge) Allg. Forstz. 21(13):230-231. Mar. 26, 1966. 99.8 AL52
- 68214 ROHMEDEER, E. The problem of detecting superior genotypes in the phenotype of mother trees. 33 p. Transl. 15022 Translation from Forstwissenschaftliches Centralblatt 80(11/12):321-344. Nov./Dec. 1961.
- 68215 ROMBERGER, J. A. Developmental biology and the spruce tree. Wash. Acad. Sci. J. 56(4):69-81. Ref. Apr. 1966. 500 W276J
- 68216 ROTTMANN, F. Natural regeneration of pine technically assisted. (Ge) Allg. Forstz. 21(11/12):206-209. Mar. 12, 1966. 99.8 AL52 Includes equipment.
- 68217 RUSTEN, A. Trials with asphalt emulsion on seedbeds in forest nurseries. (No) Arsskr. Norske Skogplantesk. 1965:59, 61-62. 1966. 99.9 N8122 Effects of ENCAP on growth of spruce and pine seedlings.
- 68218 SANDVIK, M. Experiments with the transplanting of spruce seedlings damaged by weather during the winter. (No) Arsskr. Norske Skogplantesk. 1966:27, 29-31, 33, 35, 37-39, 41-43, 45-46. 1966. 99.9 N8122 Mortality.
- 68219 SASAKI, S., and KOZLOWSKI, T. T. Variable photosynthetic responses of Pinus resinosa seedlings to herbicides. Nature [London] 209(5027):1042-1043. Mar. 5, 1966. 472 N21
- 68220 SAUNIER, R. E., and WAGLE, R. F. Root grafting in Quercus turbinella Greene. Ecology 46(5):749-750. Late summer 1965. 410 Ec7
- 68221 SCHNABEL, E. Planning of natural regeneration. (Ge) Sozialistische Forstwirtschaft. 16(2):46-50. Feb. 1966. 99.8 W143
- 68222 SCHMITT, D., and NAMKOONG, G. Pine species in the Harrison Experimental Forest arboretum. U. S. Forest Serv. Res. Paper SO-18, 18 p. Ref. 1965. A99.9 F7628Us Planting and growth of Pinus in Mississippi.
- 68223 SEMENOVA, A. K. Effect of 2,4-D derivatives on transpiration and moisture of woody plants. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:265-272. 1964. 99.9 L545
- 68224 SIMON, M. New Italian poplar clone. (Hu) Erdo 13(3):101-107. Mar. 1966. 99.8 Er22 German summary. Populus euroamericana hybrid.
- 68225 SIRAKOV, G. New methods of planting Norway spruce seedlings in Bulgaria. (Bu) Gorsko Stopanstvo 21(7):26-30. July 1965. 99.8 G682
- 68226 SPARLING, J. H., and ALT, M. The establishment of carbon dioxide concentration gradients in Ontario woodlands. Can. J. Bot. 44(3):321-329. Ref. Mar. 1966. 470 C16C
- 68227 SQUILLACE, A. E. Geographic variation in slash pine. Forest Sci. Monogr. 10, 56 p., map. Ref., p. 53-56. 1966. 99.8 F76322
- 68228 STEINBECK, K. Foliar mineral accumulation by several Scotch pine (Pinus sylvestris L.) provenances. Diss. Abs. 26(8):4149. Feb. 1966. 241.8 M58
- 68229 STERN, K. The evaluation of the characteristics of date of flushing in a breeding project with spruce in Schleswig-Holstein. (Ge) Forstarchiv 37(3):70-74. Mar. 1966. 99.8 F7723
- 68230 SWEET, G. B., and WAREING, P. F. Role of plant growth in regulating photosynthesis. Nature [London] 210(5031):77-79. Apr. 2, 1966. 472 N21 Tested with Pinus radiata.
- 68231 TSANOV, TS. Planting density of Salix viminalis L. (Bu) Gorsko Stopanstvo 21(11):8-10. Nov. 1965. 99.8 G682
- 68232 TSENOV, N. G. Recommendations for collection of chestnut seeds. (Bu) Gorsko Stopanstvo 21(9):37-38. Sept. 1965. 99.8 G682
- 68233 TUBBS, C. H. Influence of temperature and early spring conditions on sugar maple and yellow birch germination in upper Michigan. U. S. Forest Serv. Res. Note LS-72, 2 p. Dec. 1965. A99.9 F7624
- 68234 VAJCIK, V. Reforestation of sandy soils, gravel pits and quarries. (Cz) Les [Bratislava] 22(3):102-106. Mar. 1966. 99.8 L5632
- 68235 VLASEV, V. Possibilities for rapid regeneration of spruce forests. (Bu) Gorsko Stopanstvo 21(4):11-13. Apr. 1965. 99.8 G682
- 68236 VUCHOVSKI, KH. Fulfillment of a plan to increase forest productivity. (Bu) Gorsko Stopanstvo 21(7):17-21. July 1965. 99.8 G682 Reforestation programs.
- 68237 VUCHOVSKI, KH., and ANDONOV, A. Some peculiarities of Norway spruce growth depending on climatic conditions. (Bu) Gorsko Stopanstvo 21(5):13-15. May 1965. 99.8 G682
- 68238 WANG TIEN-WEN. Forestry and soil conservation in Heilungchiang. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 54:11-16. May 19, 1965. (JPRS 30,140) 173 J663Tcf Reforestation and soil conservation. Translation from Hei-lung-chiang Lin Yeh 10:18-19. Oct. 5, 1964. Issued by CFSTI.
- 68239 WILLIAMSON, M. J. Premature abscissions and white oak acorn crops. Forest Sci. 12(1):19-21. Mar. 1966. 99.8 F7632
- 68240 WOLD, M. L., and LANNER, R. M. New stool shoots form a 20-year-old swamp-mahogany eucalyptus stump. Ecology 46(5):755-756. Late summer 1965. 410 Ec7 Eucalyptus robusta, its grafting from a nearby tree.
- 68241 YANAKIEV, A. Preservation of the germination capacity of white pine seeds under mechanical cleaning. (Bu) Gorsko Stopanstvo 21(9):18-20. Sept. 1965. 99.8 G682
- 68242 ZABOROVSKII, E. P. Effect of high temperatures on viability of seeds of pine and spruce. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:229-238. 1964. 99.9 L545
- 68243 ZACHAR, D. Zalesnovanie nelesnykh pod [Afforestation of treeless lands]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literaturny, 1965. 229 p. (Edicia Lesnictvo a Pol'ovnictvo; Kniznica Lesneho Hospodara) SD409.Z3 German summary. Bibliography, p. 211-221.
- 68244 ZAHNER, R., and DEBYLE, N. V. Effect of pruning the parent root on growth of aspen suckers. Ecology 46(3):373-375. Spring 1965. 410 Ec7 Populus grandidentata.
- 68245 ZAKHARIEV, B. I. Study of hardiness of some exotic coniferous varieties growing in Bulgaria. (Bu) Bulgarska Akad. Nauk. Bot. Inst. Izv. 14 89-134. Ref. 1965. 451 B87 German summary.

Forest Protection and Damage

- 68246 BAZZEA, A. Our forests have a stubborn enemy. (It) *Vicenza Econ.* 21(2):104-106. Feb.1966. 287 V662
The doormouse; includes reforestation policy.
- 68247 BULLARD, R. W. Residue recovery: determination of translocated tetramine in foliage by hydrogen-flame gas chromatography. *J. Agr. Food Chem.* 14(2):137-139. Mar./Apr.1966. 381 J8223
With reference to use as repellent for animals feeding on seeds and seedlings in reforestation.
- 68248 DASSLER, H. G., and ENDERLEIN, H. Experimental smoke tests—a possibility for reducing forest damages caused by smoke in our republic. (Ge) *Sozialistische Forstwirtschaft.* 15(12):367-368. Dec.1965. 99.8 W143
- 68249 FLEROV, B. F. Forecasting mass forest damage. (Rus) *Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz.* 8: 273-279. 1964. 99.9 L545
In taiga zone.
- 68250 GASPESIAN FOREST PROTECTIVE ASSOCIATION. Forty-ninth annual report, 1965. Amqui, 1966. 46 p. 99.9 So86
Text also in French.
- 68251 GUDE, H. The effect of the size of area on the size of fence, costs and limits of rentability of the protective fences. (Ge) *Allg. Forstz.* 21(9):159. Feb.26,1966. 99.8 AL52
- 68252 LUNDING, V. Gale direction and gale damage to forests. (Da) *Dansk Skovfor. Tidsskr.* 50 (9):362-373, map. Ref. Sept.1965. 99.8 D23
- 68253 MANG, J. Nature and landscape protection in the new Forest Law and Forest Criminal Law. (Ge) *Bl. Naturschutz* 45(4):78-79. Nov. 1965. 279.8 B61
- 68254 MARION, J. Anthropogenic influences on forest. (Fr) *Schweiz. Z. Forstwesen* 117(3/4): 213-215. Mar./Apr.1966. 99.8 J82
German summary.
Damages.
- 68255 PAUCKE, H., and GROH, M. Beech bark necrosis and its effect on quality and assessment of wood. (Ge) *Sozialistische Forstwirtschaft.* 15 (12):370-377. Ref. Dec.1965. 99.8 W143
English summary, back inside cover.
- 68256 PAUCKE, H., and GROH, M. Damages caused by beech necrosis in the regeneration and wood production of beech. (Ge) *Sozialistische Forstwirtschaft.* 16(2):56-60. Ref. Feb.1966. 99.8 W143
English summary, p.62.
- 68257 POLOZHENTSEV, P. A. Determination of physiological state of trees by the method of biopsy. (Rus) *Les. Khoz.* 11:56-57. Nov.1965. 99.8 L5622
Chiefly injuries.
- 68258 SAKAI, A. Technical terminology of cold injury. (Ja) *Jap. Forest. Soc. J.* 48(1):25-27. Jan. 1966. 99.8 N62
- 68259 SOEST, J. VAN, and STEFELS, C. J. Some notes on bark injuries by red deer to trees. (Du) *Ned. Bosbouw Tijdschr.* 37(9):266-273. Sept.1965. 99.8 N28
Comments on article by P. H. Pels Rijcken.
- 68260 STAHL, D. Chemical protection against peeling damage. (Ge) *Allg. Forstz.* 21(13):226-227. Mar.26,1966. 99.8 AL52
- 68261 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 6. How to protect them for damage, by R. A. Read. Fort Collins, Colo., 1965. 7 p. aSB437.A3

Fire

- 68262 ALEKSANDROV, B. Analysis of forest fires for 1963 and 1964. (Bu) *Gorsko Stopanstvo* 21 (5):31-32. May 1965. 99.8 G682
- 68263 BENNETT, W. D. Power saw fires in Canada, 1961-1965. *Woodlands Res. Index* 178, 16 p. Feb.1966. 99.8 W855A

- 68264 BROWN, J. K. Estimating crown fuel weights of red pine [*Pinus resinosa*] and jack pine [*Pinus banksiana*]. U. S. Forest Serv. Res. Paper LS-20, 12 p. Oct.1965. A99.9 F7624U
In relation to forest fires in Michigan.
- 68265 FEDURN, S. V., and OVCHINNIKOV, A. V. More accurate determination of causes of forest fires. (Rus) *Les. Khoz.* 11:59-60. Nov. 1965. 99.8 L5622
- 68266 FORSE, H. B. 65 fire experiences—large, costly conflagrations. *Truck Logger* 22(4):38-40. Apr.1966. 99.81 T76
Includes control.
- 68267 LOCKMAN, M. R. Forest fire losses in Canada, 1964. Ottawa, 1966. 13 p. 99.9 C1692
- 68268 TURNER, J. C. Techniques and tools of fire protection. *Forest Farmer Manual* 25(7):70-73. Mar.1966. 99.551 F76
- 68269 WASHINGTON FOREST PROTECTION ASSOCIATION. Fifty-eighth annual report, 1965. Seattle, 1966. 24 p. 99.9 W273
Chiefly on forest fires.

Forest Influences

- 68270 DOSHCHANOV, M. B., and TASHPULATOV, KH. T. Effect of terracing and afforestation of mountain slopes on surface runoff. (Rus) *Les. Khoz.* 12:28-30. Dec.1965. 99.8 L5622
- 68271 LAMIN, L. A. Field protective afforestation in Novosibirsk Region. (Rus) *Les. Khoz.* 11: 34-37. Nov.1965. 99.8 L5622
- 68272 LEIBUNDGUT, H. Forest concept. (Ge) *Schweiz. Z. Forstwesen* 117(3/4):155-167. Mar./Apr.1966. 99.8 J82
French summary.
Influences and resources.
- 68273 MAGINI, E. Recent advances in forest photology in France. (It) *Ital. Forest. Mont.* 21(1):20-23. Jan./Feb.1966. 99.8 It12
French summary.
- 68274 REBUCK, A. L. Changes in the structure of an oak-pine forest exposed for two years to chronic gamma irradiation. *Diss. Abs.* 26(3): 1308. Sept.1965. 241.8 M58
- 68275 SCHINDLMAYER, A. Greenery around the farm. (Ge) *Traktor Landmasch.* 23(5):275-276. Mar.2,1966. 53.8 T678Ag
Windbreaks.
- 68276 SHATALOV, V. G. Effectiveness of forest stands in flood plain of middle Don River area. (Rus) *Les. Khoz.* 11:48-50. Nov.1965. 99.8 L5622
Chiefly soil erosion control.
- 68277 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 1. How to use trees to protect land and crops, by R. A. Read. Fort Collins, Colo., 1965. 8 p. aSB437.A3
- 68278 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 2. How to select tree and shrub species, by R. A. Read. Fort Collins, Colo., 1965. 8 p., map. aSB437.A3
- 68279 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 3. How to arrange and space trees and shrubs, by R. A. Read. Fort Collins, Colo., 1965. 7 p. aSB437.A3
- 68280 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 4. How to prepare land and plant trees, by R. A. Read. Fort Collins, Colo., 1965. 8 p. aSB437.A3
- 68281 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 5. How to maintain new tree plantings, by R. A. Read. Fort Collins, Colo., 1965. 6 p. aSB437.A3

- 68282 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Winbreaks for the Central Great Plains. 7. How to manage established plantings, by R. A. Read and D. F. Van Haverbeke. Fort Collins, Colo., 1965. 7 p. aSB437.A3

Miscellaneous Forest Uses

- 68283 BERNARDINI, F. Protection of mountain vegetation in relation to protection of game within the existing and future national parks. (It) Mercanzia 21(3):153-156. (Cont.) Mar.1966. 287 B635
- 68284 CAIN, S. A. The spirit of the mountain. Americas 18(3):1-8. Mar.1966. 150.9 Am34 Preservation of national parks.
- 68285 DEALY, J. E. Spotlighting deer; potentials for management in western Oregon. U. S. Forest Serv. Res. Note PNW-32,8 p. Jan.1966. A99.9 F7625U
- 68286 DELLA-BIANCA, L., and JOHNSON, F. M. Effect of an intensive cleaning on deer-browse production in the southern Appalachians. J. Wildlife Manage. 29(4):729-733. Oct.1965. 410 J827
- 68287 DIETZ, D. R. Deer nutrition research in range management. N. Amer. Wildlife Natur. Resources Conf. Trans., 30th Conf.:274-284. Ref. 1965. 412.9 N814
- 68288 JAHN-DEESBACH, W. Suitable plant species for game browse. (Ge) Allg. Forstz. 21(9): 168-171. Feb.26,1966. 99.8 AL52
- 68289 LAPAGE, W. F. Success of campgrounds studied as guide to recreation planners. U. S. Forest Serv. Res. Note NE-43,7 p.,map. 1966. A99.9 F7622U New Hampshire.
- 68290 LAWRENCE, W. H. Forest-wildlife management research: a challenge. Idaho Forest. 47: 8-10. 1965. 99.9 Id1
- 68291 LEWIS, J. H., and DERMID, R. W. Public recreational use policies of owners of large private forests in Louisiana. LSU (La. State Univ.) Forest. Notes 63,2 p. June 1965. 99.8 L93
- 68292 PATRICK, D. K. Inter-relation of forestry and wildlife on private lands. (Excerpts) Maine Forest. 1966:59-60. 99.9 M283
- 68293 PIZZIGALLO, V. Tree and forest in modern life. (It) Prog. Agr. [Bologna] 12(3):267-276. Mar.1966. 58.8 P94 Recreational use and administration of state forests.
- 68294 POIMENIDES, A. National parks, refuges and protective zones of game. (Gre) Dassika Chron. 8(3):128-131. (Cont.) Mar.1966. 99.8 D263 Hunting rights.
- 68295 TARENA, G. O. The Gran Paradiso National Park. (It) Agricoltura 14(2):57-78, map. Feb. 1965. 16 Ag8226
- 68296 THIBODEAU, L. L. Public use of private roads and timberlands. Maine Forest. 1966:56-58. 99.9 M283 In relation to recreational use of forests.
- 68297 U. S. FOREST SERV. Camping; the National Forests, America's playgrounds. U. S. D. A. PA-502, rev., 16 p., map. Mar.1966. 1 Ag84Pro
- 68298 WEINZIERL, H. The Bavarian Forest—recreational area of the future! (Ge) BL. Naturschutz 45(4):81-83. Nov.1965. 279.8 B61

FOREST INDUSTRIES AND TRADE

- 68299 THE "ABC" British Columbia Lumber Trade Directory and Year Book, 1965. Ed. 24. Vancouver, 1965. 363 p. 99.81 Ab2
- 68300 BENTLEY, W. R. An economic analysis of the timber allocation policies of the United States Forest Service. Diss. Abs. 26(10):5757-5758. Apr.1966. 241.8 M58

- 68301 BERTHY, H. P. Using West Virginia wood resources. Northern Logger 14(10):14-15,43. Apr.1966. 99.81 N812
- 68302 CHALUKOV, I. Organization of utilization of Bulgarian forests. (Bu) Gorsko Stopanstvo 22(3):32-36. Mar.1966. 99.8 G682 Forest industries.
- 68303 FOREST INDUSTRIES. 1966 buyers guide and yearbook number. Forest Indus. 93(6),132 p. May 31,1966. 99.81 W52
- 68304 GUTTENBERG, S. South's timber economy to rise. Southern Lumberman 212(2641):16-18. May 1,1966. 99.81 So82
- 68305 LINDSTROM, B. Adjustment of the forest industry to changes in competition and its financing problems. (Sw) Svensk Papperstidn. 69(7): 253-257. Apr.15,1966. 302.8 Sv2
- 68306 NGUYEN TAO. Let us develop forestry and lumber industry. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 8:34-42. Sept.17,1965. (JPRS 32,060; TT 65-32553) 173 J663Th Translation from Hoc Tap 8:39-44. Aug.1965. Issued by CFSTI.
- 68307 THE 1964 wood market from the point of view of south Sweden. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965(annu.no.):71-72, 74,76-77. 99.81 Sv2 Text also in Swedish.
- 68308 POPOV, V. A. Anticipated performance of the forest industry in 1965. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 75:181-188. June 16,1965. (JPRS 30,640) 173 J663Tso Translation from Lesnaya Promyshlennost' 1:1-3. Jan.1965. Issued by CFSTI.
- 68309 SPADA, B. A. The changing southern forest. Forest Farmer Manual 25(7):13-15. Mar.1966. 99.551 F76 Industry.
- 68310 TAYLOR, B. Trailblazing a path to development; forest industries offer developing countries a chance to tap often ample wood reserves for many domestic uses—and to bolster trade balances by supplying wood-hungry developed nations. Freedom Hunger 7(42):10-16. May/June 1966. 389.8 F872
- 68311 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Timber sale agreements. PNW (Pacific Northwest Coop. Ext.) Bull. 65,6 p.-folder. Jan.1965. 275.29 W27Pn Joint publication of the Extension Services of Washington, Oregon, and Idaho.
- 68312 THE WOOD market in 1964. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965(annu.no.): 19-20,22,24-26,28,30,32,34,36,38,40,42,44,46, 48,50,52,54,56,58,60,62,64,66,68. 99.81 Sv2 Text also in Swedish.
- 68313 WOOD: world trends and prospects. Unasylva 20(1/2),136 p.,map. 1966. 99.8 Un1 Forest and wood-using industries.

Lumbering and Logging

- 68314 ALTMAN, J. A. Skidders are roaring onto the scene. Pulpwood Annu. 1966:63. 99.83 P96
- 68315 ALYAB'EV, V. I. Unification of cable installations. (Rus) Les. Prom. 6:24-25. June 1965. 99.82 L56
- 68316 ANDREI, A. Development of logging and forest transport in 1944-1964, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:24-34. Dec.21,1964. (JPRS 27,932) 173 J663Ste Translation from Revista Padurilor 8:420-427. Aug.1964. Issued by CFSTI.
- 68317 AUSLAND, T. Log measurement—with caliper or weight. (No) Norsk Landbruk 21:8-9,29. Oct.22,1965. 11 N8122

- 68318 BARZ, E., and HOPTNER, H. G. The influence of tooth shape and number of teeth of circular sawblades on their working behavior. (Ge) Holz Roh- Werkstoff 24(4):144-154. Ref. Apr. 1966. 99.81 H74
English summary.
- 68319 BESLEY, L. PPRIC [Pulp and Paper Research Institute of Canada] pushes harvesting re-search. Pulpwood Annu. 1966:73,75-76. 99.83 P96
- 68320 BOL, M. Trimming costs and timber value in the living crown of Scotch pine. (Du) Ned. Bosbouw Tijdschr. 37(11):384-395. Nov.1965. 99.8 N28
English summary.
- 68321 BORISOV, G. A., and LAIKHINEN, O. M. Mechanization of calculating the optimum road alignment. (Rus) Les. Prom. 5:24-25. May 1965. 99.82 L56
Data processing equipment used.
- 68322 BORISOV, M. V. Package transport of wood in ships. (Rus) Les. Prom. 6:9-10. June 1965. 99.82 L56
- 68323 BRADOSCHE, P. The development of forest roads. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 441:24-27. May 19,1966. (JPRS 35,599; TT 66-32034) 173 J663Ste
Rumania.
Translation from Muncitorul Forestier 18 (626):1-2. Mar.30,1966.
Issued by CFSTI.
- 68324 BRADOSCHE, P. Progress in building transport facilities for opening up and exploiting forest areas, Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 326:35-46, map. Dec.21,1964. (JPRS 27,932) 173 J663Ste
Roads.
Translation from Revista Padurilor 8:427-434. Aug.1964.
Issued by CFSTI.
- 68325 BUNKER, A. G. After the rubber-tired skidder, what? Pulpwood Annu. 1966:54,57. 99.83 P96
- 68326 CAMPBELL, D. Is the wheeled skidder a cure-all? Pulpwood Annu. 1966:58-59. 99.83 P96
- 68327 CHEREVAN, E. G. Present state and outlook for utilization of forests in Leningrad economic region. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8:5-15. 1964. 99.9 L545
- 68328 ERAKHTIN, D. D. Improved power engines for tractors and trucks. (Rus) Les. Prom. 4:6-11. Apr.1965. 99.82 L56
Used in log hauling.
- 68329 ERICKSON, E. C. O., and ROMSTAD, K. M. Distribution of wheel loads on timber bridges. U. S. Forest Serv. Res. Paper FPL 44,62 p. Dec.1965. A99.9 F7634U
Division of Engineering, Forest Service, U. S. Department of Agriculture, cooperating. Forest-road bridges.
- 68330 FAUSTINO, D. G. Determination of logging waste and residue. Lumberman [Manila] 12 (1):72-76. Dec.1965./Jan.1966. 99.81 L9793
- 68331 FOKIN, F. Measuring roundwood in raft assembly and loading. (Rus) Les. Prom. 5:15-18. May 1965. 99.82 L56
- 68332 FORSBERG, R. "Custom made" working clothes reduce accident hazards in the forest. (Sw) Jord Skog 17(9):34-35. 1965. 58.8 M373
- 68333 GABOVICH, S. A., and ZORIN, S. P. Some problems of modernization and construction of hauling tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 202:4-7. May 31,1965. (JPRS 30,348; TT 65-31131) 173 J663Tsi
Translation from Lesnaya Promyshlennost' 3:6-8. Mar.1965.
Issued by CFSTI.
- 68334 GEORGIEV, G. The best composition of worker teams in logging industry. (Bu) Gorsko Stopanstvo 21(2):28-30. Feb.1965. 99.8 G682
- 68335 GEORGIEV, T. New trends in labor organization and standards when using caterpillar tractors for log hauling. (Bu) Gorsko Stopanstvo 21(11):22-26. Nov.1965. 99.8 G682
- 68336 GOL'DMAN, E. I. Reducing the engine noise of the Druzhba power saw. (Rus) Les. Prom. 6:26. June 1965. 99.82 L56
- 68337 HOBENLOBE-LANGENBURG, PRINCE K., and BURGMANN, P. Wood harvesting experiments in Konigseggwald and their effects on volume and yield. (Ge) Allg. Forstz. 21(18):296-298. Apr.30,1966. 99.8 AL52
- 68339 HUNT, B. Wheeled skidders leaving their mark. Pulpwood Annu. 1966:53-54. 99.83 P96
- 68339 HUNTER, T. A. The chain saw—its place in present-day operations. Forest Farmer Manual 25(7):126. Mar.1966. 99.551 F76
- 68339 IOLOV, N. Preparation of felling site in logging industry. (Bu) Gorsko Stopanstvo 21(12):20-22. Dec.1965. 99.8 G682
- 68341 IVANOV, V. V., PATYAKIN, V. I., and POLEKHIN, B. P. Floating of ash wood by rafts on the River Khor. (Rus) Les. Prom. 5:18-21. May 1965. 99.82 L56
- 68342 JARCK, W. Mechanization and the small forest owner. Forest Farmer Manual 25(7):127-129. Mar.1966. 99.551 F76
Logging.
- 68343 JULICH, L. On the construction of a bench for the testing of power saw chains. (Ge) Arch. Forstwesen 14(11/12):1201-1221. Ref. 1965. 99.8 Ar22
- 68344 KATAOKA, H. Yarding method to lift and haul stand trees. I. The cable system. (Ja) Jap. Forest. Soc. J. 47(11):406-410. Nov.1965. 99.8 N62
- 68345 KISTENFEGGER, J. Machine debarking of conifer stacked wood. (Ge) Allg. Forstz. 21(9):162-167. Feb.26,1966. 99.8 AL52
- 68346 KULEV, A. Determination of mean duration of loose floating of unrafted logs. (Rus) Les. Prom. 4:15. Apr.1965. 99.82 L56
- 68347 LAZAROV, G. Reduction of costs of log transportation by rail. (Bu) Gorsko Stopanstvo 21(9):27-28. Sept.1965. 99.8 G682
- 68349 LEKH, A. Aerial cableway for skidding trees with crowns. (Rus) Les. Prom. 6:20-21. June 1965. 99.82 L56
- 68349 LINDEMAN, C. F. Types of equipment and logging management in mountain forests. (No) Norsk Landbruk 21:10-12. Oct.22,1965. 11 N8122
Transportation of logs.
- 68350 LIVANOV, A., MAKAROV, F., and BERG, L. Cable installations for skidding logs. (Rus) Les. Prom. 6:17-20. June 1965. 99.82 L56
- 68351 LOS, A. P. Operating regimes of rotor barking machines. (Rus) Les. Prom. 4:25-27. Apr. 1965. 99.82 L56
- 68352 LUNDQVIST, T. What does data on power saws mean in the practice? (Sw) Jord Skog 17(9):27-31. 1965. 58.8 M373
- 68353 LUNZMANN, K. The resistance coefficient during the skidding of log timber and its relation to soil mechanics. 57 p. Ref. Transl. 15888
Translation from Bundesforschungsanstalt fur Forst- und Holzwirtschaft. Mitteilungen, No. 55. 1964.
- 68354 LYSONS, H. H., BINKLEY, V. W., and MANN, C. N. Logging test of a single-hull balloon. U. S. Forest Serv. Res. Paper PNW-30,20 p. 1966. A99.9 F7625Uni
Oregon.
- 68355 MAGIROVSKIY, N. P. New machines for lumbermen. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 202:1-3. May 31,1965. (JPRS 30,348; TT 65-31131) 173 J663Tsi
Logs hauling by tractor.
Translation from Lesnaya Promyshlennost' 3:4-5. Mar.1965.
Issued by CFSTI.

- 63356 MARTYNIKHIN, V. D. Cable installation for primary skidding of logs in mountains. (Rus) Les. Prom. 6:22-23. June 1965. 99.82 L56
- 63357 MCGRAW, W. E. Rubber-tired skidders; skidder developments are on increase. Pulpwood Annu. 1966:51,53. 99.83 P96
- 63358 MIKHAILOV, S., and others. Study of labor economics in mechanized hauling of beech logs. (Bu) Gorskostopanska Nauk. 1(4):49-59, map. 1964. 99.8 G683
V. D. Vasilev, Kh. Leshcharski, G. Peichinov, G. Kharbaliev, and N. Mutafov, joint authors. German summary.
- 63359 MOSKALENKO, A. A. Labor standards-concern of the whole state. (Rus) Les. Prom. 4:12-13. Apr. 1965. 99.82 L56
Logging.
- 63360 NEUBER, B. Cost guiding figures in forest road construction. (Ge) Allg. Forstzeitung 77(3):43-45. Mar. 1966. 99.8 AL53
- 63361 NORDQUIST, M. Further increase in productivity in log floating. (Sw) Svenska Skogsvard-sforen. Tidskr. 63(4):417-418. 1965. 99.8 Sk5
- 63362 PAHLITZSCH, G., and ROWINSKI, B. On the vibration behavior of circular sawblades. I. (Ge) Holz Roh- Werkstoff 24(4):125-134. Ref. Apr. 1966. 99.81 H74
English summary.
- 63363 PARKER, H. W. New U.S. Forest Service unit applies engineering research to Appalachian logging. Northern Logger 14(10):16,57. Apr. 1966. 99.81 N812
Forest Sciences Laboratory at Morgantown, West Virginia.
- 63364 PARKER, H. W. Training and maintenance for skidders. Pulpwood Annu. 1966:59,62. 99.83 P96
- 63365 PLECHKOV, M. F. Strip working of the surfaces of timber-transport roads. (Rus) Les. Prom. 4:18. Apr. 1965. 99.82 L56
- 63366 PRIEGEL, E. R. Sawing for grade in hardwoods. Ala. Forest Prod. 9(5):14-16. May 1966. 99.82 AL1
- 63367 ROLSTON, K. The rubber-tired skidder: its potential. Forest Farmer Manual 25(7):122-125. Mar. 1966. 99.551 F76
- 63368 ROLSTON, K. S. Trends in pulpwood harvesting mechanization. Southern Lumberman 212(2640):22,24,26. Apr. 15, 1966. 99.81 So82
- 63369 SABIEL, G. Possibilities and limits of one-man chain saws. (Ge) Forstarchiv 37(4):106-108. Apr. 1966. 99.8 F7723
- 63370 SEVAST'YANOV, V. A., and ABRAROV, I. SH. New machine for loading wood into ships. (Rus) Les. Prom. 5:2-5. May 1965. 99.82 L56
- 63371 SHCHIGLOVSKII, B. M., CHIKOV, YA. I., and FOGEL', D. N. Optimum parameters of logging concerns. (Rus) Les. Prom. 4:20-22. Apr. 1965. 99.82 L56
- 63372 SHKIRYA, T. M., and BITSKO, F. I. Aerial cableway in intermediate fellings. (Rus) Les. Prom. 5:21-22. May 1965. 99.82 L56
- 63373 SIEVERT, R. Transportation and costs in the medium sized forests. (Sw) Skogen [Stockholm] 52(18):346-348. Sept. 16, 1965. 99.8 Sk51
Equipment for log transportation.
- 63374 STREBLKE, B. Fiberwood harvesting in Scottish conifer reforestation stands. (Ge) Allg. Forstz. 21(18):304-305. Apr. 30, 1966. 99.8 AL52
- 63375 SULIMA-SAMUILO, I. A. Calculation of economic indices of timber transport. (Rus) Les. Prom. 5:28-32. May 1965. 99.82 L56
- 63376 SYROMYATNIKOV, S. A. Lesozagotovki; posobie dlya mastera [Logging; manual for a foreman]. Ed. 2, rev. and enl. Moskva, Lesnaya Promyshlennost', 1964. 245 p. Ref. SD538.S9
- 63377 TENNAS, M. Operation cost for tractor transportation of logs. (No) Norsk Landbruk 24:4-5. Dec. 3, 1965. 11 N8122
- 68378 TERZOV, A. Results of use of cable lines with self supply. (Bu) Gorsko Stopanstvo 21(5):39-41. May 1965. 99.8 G682
- 68379 TERZOV, A. Vissen cableway with a ridge station. (Bu) Gorsko Stopanstvo 22(1):26-29. Jan. 1966. 99.8 G682
- 68380 UZUNOV, S. Effectiveness of capital investments in logging industry. (Bu) Gorsko Stopanstvo 21(12):23-26. Dec. 1965. 99.8 G682
- 63381 VARAKSA, N. Loading triangular bundles of logs in one operation. (Rus) Les. Prom. 5:9-10. May 1965. 99.82 L56
- 68382 VASIL'EV, I. A., and GAVRILOV, YU. S. Improvement of debarking installations in Karelia. (Rus) Les. Prom. 6:14-16. June 1965. 99.82 L56
- 68383 VASILEV, V. How to draft a plan for the transportation of logs from the forest enterprises to the wood processing plant. (Bu) Gorsko Stopanstvo 21(1):21-27. Jan. 1965. 99.8 G682
- 68384 VINOOROV, G. Scope for increasing the logging output. (Rus) Les. Prom. 6:1-6. June 1965. 99.82 L56
- 68385 VINOOROV, G. K., PODOSENOV, A. F., and KISLOV, L. M. Felling trees on the move. (Rus) Les. Prom. 5:6-9. May 1965. 99.82 L56
- 68386 WACKERMAN, A. E., HAGENSTEIN, W. D., and MICHELL, A. S. Harvesting timber crops. Ed. 2. New York, McGraw-Hill, 1966. 540 p. (The American Forestry Series) SD538.W3
- 68387 WEISS, H. Peculiarities of log hauling in the Black Forest. (Ge) Allg. Forstz. 21(18):291-293. Apr. 30, 1966. 99.8 AL52
By cables, chiefly.
- 68388 WREN, T. E. Rubber-tired skidders: terrain factors. Pulpwood Annu. 1966:57-58. 99.83 P96
- 68389 WUSTER, E. Calculation of the stresses in gangsaw and bandsaw blades caused by tensioning. (Ge) Holz Roh- Werkstoff 24(4):134-144. Ref. Apr. 1966. 99.81 H74
English summary.
- 68390 ZAICHIK, M. I., and others. A skidding machine of the cassette type without chokers. (Rus) Les. Prom. 4:3-4. Apr. 1965. 99.82 L56
I. M. Moshatin, I. S. Koval'kov, V. P. Ermol'ev, and I. N. Tarasov, joint authors.

Sawmills

- 68391 ASK, W. Sawmilling matrices. (Fi) Pap. Puu 48(4a):145-147, 149-151, 154. Apr. 1966. 302.8 P1991
English summary.
- 68392 BARTOS, L. Clamping and driving device for rotating logs on wood peeling machines. 4 p. Transl. 15902
Translation from Germany. (Federal Republic). Deutsches Patentamt. Auslegeschrift 1:164,636. Mar. 5, 1964.
- 68393 CHIMED, D. Questions of development of lumber industry. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:17-18. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Sawmills development.
Translation from Hodolmor, Jan. 22, 1966:3. Issued by CFSTI.
- 68394 CHURCH, T. W., and NISKALA, G. R. An elixir for sawmills: cut cants. Northern Logger 14(10):18-19, 44. Apr. 1966. 99.81 N812
- 68395 HALLOCK, H. Sawing to reduce warp of loblolly pine [Pinus taeda] studs. U. S. Forest Serv. Res. Paper FPL 51,53 p. Ref. Dec. 1965. A99.9 F7634U
Sawing of logs.
- 68396 HANDEL-MAZZETTI, P. Mechanization of lumber yard at Lenzing. (Ge) Allg. Forstzeitung 77(2):30-31. Feb. 1966. 99.8 AL53
- 68397 LUR'E, L. Z. Integrated method of converting sawlogs. (Rus) Les. Prom. 6:28-30. June 1965. 99.82 L56

- 68398 MENZEL, G. Efficiency in the sawmill production process. (It) *Cronache Econ.* 278/279:40-47. Feb./Mar.1966. 280.8 C882
- 68399 REINEKE, L. H. Volume loss from inaccurate sawing. U. S. Forest Serv. Res. Note FPL-0111,5 p. Jan.1966. A99.9 F7634Un
- 68400 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61. Industry groups 39-40. Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C.23,41 p. 1961. 270 So824I
Text also in Afrikaans.
Includes sawmills and wood products.
- 68401 RINKINEN, I. Suomen sahateollisuuden jätteen. Waste wood of the Finnish sawmill industry; a study of the use of waste wood and its profitability. *Silva Fenn.* 115(4),64 p.,map. Ref. 1965. 99.9 F497
English summary.
- 68402 ROW, C., FASICK, C., and GUTTENBERG, S. Improving sawmill profits through operations research. U. S. Forest Serv. Res. Paper SO-20,26 p. Ref. 1965. A99.9 F7628Us
Statistical methods and linear programming in one of the larger sawmills in the South.
- 68403 SZABO, K. Technical basis for cost calculation of products in the sawmill industry. (Ge) *Holztechnologie* 7(1):41-42. Feb.1966. 99.8 H744
English summary.
- 68404 VARAKSIN, F. D. Technical progress in the lumber and sawmill-woodworking industry. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 183,12 p. Apr.5,1965. (JPRS 29,427; TT 65-30650) 173 J663Tsi
Mechanization.
Translation from *Mekhanizatsiya i Avtomatizatsiya Proizvodstva* 11:14-19. Nov.1964. CFSTI: 1.00.

Processing and Woodworking

- 68405 ALEKSEEV, A. V. Improving the resistance to wear of planing blades. 9 p. Transl. 14370
Translation from *Derevoobrabatyvayushchaya Promyshlennost'* 6(7):13-16. 1957.

Seasoning, Conditioning and Finishing

- 68406 BACHRICH, J. L. Hot air kilns: their advantages over steam and how they work. *Can. Forest Indus.* 86(4):50-52. Apr.1966. 99.81 C16
- 68407 CASIN, R. F., and TABACON, V. Y. A study on the suitability of using polyethylene glycol-1000 for dao (Dracontomelum dao (Blanco) Merr. & Rolfe) wood carvings. *Lumberman* [Manila] 12(1):48,50-52,54. Ref. Dec.1965/Jan.1966. 99.81 L9793
Chemical treatment.
- 68408 CHERNENKO, S. A., and GORSHKOVA, N. A. A new method for diffusion-dyeing of birch wood. 5 p. Transl. 15878
Translation from *Derevoobrabatyvayushchaya Promyshlennost'* 13(7):23-25. 1964.
- 68409 GILLWALD, W., and EICHLER, H. The problem of RF-vacuum drying of lumber. 10 p. Transl. 15881
Translation from *Holztechnologie* 5(3):161-167. 1964.
- 68410 REINSCH, H. H. Trends in surface treatment of wood. (Ge) *Holztechnik* 46(4):148,150,152-155. Apr.1966. 99.82 H745
- 68411 TARKOW, H., and others. Surface characteristics of wood as they affect durability of finishes. U. S. Forest Serv. Res. Paper FPL 57, 60 p. Ref. Mar.1966. A99.9 F7634U
C. F. Southerland, R. M. Seborg, and M. A. Kalnins, joint authors.
I, Surface stabilization, by H. Tarkow, C. F. Southerland, and R. M. Seborg; II, Photochemical degradation of wood, by M. A. Kalnins.

- 68412 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. News and views of this kiln-drying business: operation and maintenance of lumber dry kilns. U. S. Forest Serv. Res. Note FPL-0118,13 p. Feb.1966. A99.9 F7634Un
- 68413 WAGENFUHR, R., and PECINA, H. Investigations on tropical woods concerning penetration of polyester lacquers. (Ge) *Holztechnologie* 7(1):43-47. Feb.1966. 99.8 H744
English summary.

Wood Preservation and Damage

- 68414 ABRAHAMSSON, S., and INNES, M. Molecular structure of xylerhythrin—a fungus pigment. *Acta Chem. Scand.* 19(9):2246. 1965. 385 Ac82
In the wood-attacking fungus *Peniophora sanguinea*.
- 68415 ACHTERBERG, W., RAFALSKI, H. J., and KIRK, H. Protection of quality wood against decrease in value. (Ge) *Sozialistische Forstwirtschaft.* 16(3):82-83. Mar.1966. 99.8 W143
Chiefly with preservatives.
- 68416 BOOCOCK, D. "Woodtreat" a BMT [bodied mayonnaise type] emulsion preservative. 2. *Wood* [London] 31(4):55-58. Ref. Apr.1966. 99.82 W855
- 68417 CACERES ROJAS, H. Recommendations in the preservation of fence posts. (Sp) *Inst. Invest. Tecnol. Rev.* 7(33):40-43. Jan./Feb.1965. 241.4 In73
- 68418 DUNCAN, C. G. Determining resistance to soft-rot fungi. U. S. Forest Serv. Res. Paper FPL 48,12 p. Ref. Dec.1965. A99.9 F7634U
Fungi imperfecti and Ascomycetes, as causal organisms.
- 68419 GRIPENBERG, J. Fungus pigment. XVI. The pigments of *Peniophora sanguinea* Bres. *Acta Chem. Scand.* 19(9):2242-2243. 1965. 385 Ac82
Wood-attacking fungus.
- 68420 HENNINGSSON, B. Wood mycological research carried out at the Institution for Wood Research at the Forest College [Stockholm, Skogshogskolan, Institutionen for Virkeslara] at present. (Sw) *Svenska Skogsvarvdsforen. Tidskr.* 63(2):194-196. 1965. 99.8 Sk5
- 68421 INTERNATIONAL WOOD PRESERVATION CONFERENCE. 9. DAHLEM, 1965. Wood preservation, impregnation experiments and improvement of wood; partial abstracts of papers. (Ge) *Holztechnik* 46(4):190-192. (Concl.) Apr.1966. 99.82 H745
- 68422 KAARIK, A. The identification of the mycelia of wood-decay fungi by their oxidation reactions with phenolic compounds. *Stud. Forest. Suecica* 31,80 p. Ref.,p.58-61. 1965. 99.8 St9
- 68423 KARLSEN, K. Take good care of lumber. (No) *Norsk Landbruk* 24:12-13,21. Dec.3,1965. 11 N8122
Damage and preservation.
- 68424 LOHWAG, K. *Inonotus nidus-pici* Pilat. (Ge) *Allg. Forstzeitung* 77(3):56-57. Mar.1966. 99.8 AL53
Wood-destroying fungi.
- 68425 MOZO MORRON, T. Wood preserving treatment. (Sp) *Rev. Nac. Agr.* 57(725):43-45. Sept.1965. 9.4 R32
Colombia.
- 68426 OLIVER, A. C. The use of organic solvent wood preservatives on prefabricated timber building components. B.W.P.A. (Brit. Wood Preserv. Ass.) News Sheet 56:1-3. Nov.1965. 300.9 B77B
- 68427 ONODERA, S., and others. Research on the comparative quality of the wood of several *Cryptomeria japonica* trees attacked by *Nit-schkia tuberculifera* in the Matsumae district forest of Hokkaido. (Ja) *Hokkaido Forest Prod. Res. Inst. J.* 14(157):7-11. Ref. Feb. 1965. 99.9 As12S
H. Hashimoto, H. Miyano, K. Ito, and N. Kawaguchi, joint authors.

- 68429 PAWSEY, R. G., and GLADMAN, R. J. Decay in standing conifers developing from extraction damage. Great Brit. Forest. Comm. Forest Rec. 54,25 p. Ref. 1965. 99.9 G795Fo
Stereum sanguinolentum and Fomes annosus isolated.
- 68429 PETRENKO, I. A. Interrelations of some species of house fungi in mixed culture. 13 p. Transl. 14883
Translation from Akademiya Nauk. Institut Lesa. Trudy 65:95-103. 1963.
- 68430 ROCHE, J. N. Creosote: world's most widely used wood preservative. (Condensed.) Wood Preserv. News 44(5):6-9. May 1966. 300.8 W853
- 68431 SEDZIAK, H. P. Wood preservation around the home and farm. Can. Dep. Forest. Publ. 1117, 15 p. 1966. 99.9 C1628P
- 68432 SEIFERT, K. Chemical decomposition of the beech cellwall by the white-rot fungus *Polystictus versicolor* (Linn.) Fr. (Ge) Holz Roh-Werkstoff 24(3):81-86. Ref. Mar.1966. 99.81 H74
English summary.
- 68433 SELBO, M. L., KNAUSS, A. C., and WORTH, H. E. 20 years of service prove durability of pressure-treated glulam bridge timbers. Wood Preserv. News 44(3):5-8,16. Mar.1966. 300.8 W853
- 68434 SINGH, P., and RANGASWAMI, S. Occurrence of O-methyl-drosophilin A in *Fomes fastuosus* Lev. Tetrahedron Lett. 11:1229-1231. Mar. 1966. 385 T29
Wood-rotting fungus.
- 68435 SKOLMEN, R. G. Water spray protects stored logs [*Eucalyptus robusta*] in Hilo, Hawaii. U. S. Forest Serv. Res. Note PSW-84,6 p. 1965. A99.9 F7652
From insects and decay.
- 68436 SOPKO, R. Lignolytic activity of white-rot fungi. Biologia [Bratislava] 21(1):10-18. Ref. 1966. 442.8 B5265
- 68437 SUMIYA, K., NOMURA, T., and YAMADA, T. Effect of decay on the infrared spectra of wood. I. Decay caused by *Corirolellus palustris*. (Ja) Wood Res. [Kyoto] 35:1-9. June 1965. 99.82 W8524
English summary.
Fagus sieboldi and *Cryptomeria japonica* wood studied.
- 68438 TEXAS. FOREST SERV. Creosoted pine proves best for Texas bridges. Wood Preserv. News 44(3):10-11. Mar.1966. 300.8 W853
- 68439 TRUCKENBRODT, G. Studies of the action of copper on *Merulius lacrimans* (Wulff.) Schum ex Fries. 10 p. Ref. Transl. 14341
Causing wood decay.
Translation from *Phytopathologische Zeitschrift* 44:179-188. 1962.
- 68440 VAKIN, A., GASHKOVA, M., and KOTIN, N. Petrolatum-based protective seals for log ends. (Rus) Les. Prom. 6:12-13. June 1965. 99.82 L56
- 68441 WILHELMSEN, G. Micromorphological and biochemical changes in wood during decomposition caused by enzymes. 11 p. Ref. Transl. 15898
Translation from *Norsk Skogindustri* 19(5): 187-193. 1965.

FOREST PRODUCTS

- 68442 BENNETT, F. W. Wood industry plant locating. Consultant 10(4):4-8. Oct.1965. 99.8 C764
- 68443 BRIGHTWELL, C. N. What you should know about timber sales. Forest Farmer Manual 25(7):130. Mar.1966. 99.551 F76
- 68444 BUFORD, J. A. Forest marketing and utilization. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:35-36. 275.29 AL1Su
Extension programs.
- 68445 LE HONG TAM. Regarding the development of lumber and other forest products processing industries. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 182:23-43. July 2, 1965. (JPRS 30,922; TT 65-31421) 173 J663Trn
Translation from *Nghien-cuu Kinh-te* 25:11-20. Feb.1965.
Issued by CFSTI.
- 68446 MANOLOV, A. For a bolder utilization of wood substitutes. (Bu) Gorsko Stopanstvo 21(12):26-28. Dec.1965. 99.8 G682
- 68447 MYERS, J. W. Trends in forest product prices. Forest Farmer Manual 25(7):146-147. Mar. 1966. 99.551 F76
- 68448 POZNAN. INSTYTUT TECHNOLOGII DREWNA. Zastosowanie elektronicznych maszyn cyfrowych przy podejmowaniu optymalnych decyzji w polskim przemyśle drzewnym; przykłady [Use of electronic calculating-machines for finding the optimal solutions in Polish forest product industry; examples]. Poznan, 1965. 84 p.,map. Ref. QA265.I52
Use of statistical research methods.
- 68449 RODIGIN, A. A. Prices of forest products. (Rus) Les. Prom. 5:26-28. May 1965. 99.82 L56
- 68450 ROUVEROUX, P. Prospects of wood consumption in Europe and forest policy of France. (Fr) Soc. Etudes Expansion. Rev. 219:49-54. Jan./Feb.1966. 280.8 So17
- 68451 SMITH, R. C., and GEDNEY, D. R. Manpower use in the wood-products industries of Oregon and Washington, 1950-1963. U. S. Forest Serv. Res. Paper PNW-28,48 p. 1965. A99.9 F7625Uni
- 68452 SUTLIVE, W. K. A billion-dollar industry. Forest Farmer 25(8):12-13,47. Apr.1966. 99.8 F7692
Wood-using industries of Georgia.
- 68453 VAANANEN, S. Yksityismetsien kantohinnat hakkuuvuonna 1964/65. Stumpage prices in private forests during the cutting season 1964/65. Folia Forest. 18,4 p. 1966. 99.8 F713
English summary.

Lumber and Rough Products

- 68454 ADAIR, K. T. A profile of lumber marketing in western Montana. Mont. Forest Conserv. Exp. Sta. Bull. 30,20 p.,map. Mar.1966. 99.9 M765B
- 68455 BEKKER, I. G. New straddle-carriers. (Rus) Les. Prom. 4:4-6. Apr.1965. 99.82 L56
Lumber transportation.
- 68456 CARPENTER, E. M., and QUINNEY, D. N. Balsam fir dimension lumber in selected Minnesota markets. U. S. Forest Serv. Res. Paper LS-21,13 p.,map. Oct.1965. A99.9 F7624U
- 68457 CZEDLY, B. Hydraulic splitting of stump and fuelwood. (Hu) Erdogazdasag Faipar 20(3):15-16. Mar.1966. 99.8 Er2
- 68458 IVANCHENKO, A. Container for mechanized loading of wood. (Rus) Les. Prom. 4:23. Apr. 1965. 99.82 L56
Logs.
- 68459 KILYAKOV, A. M. From the experience of automation of log sorting. (Rus) Les. Prom. 5:5-6. May 1965. 99.82 L56
- 68460 LAZAROV, G. Loading and unloading of lumber in packages. (Bu) Gorsko Stopanstvo 21(7):31-33. July 1965. 99.8 G682
- 68461 MITTERER, J. Six years of experience with wood cutting machine. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(3):61-63. Mar.15,1966. 58.8 D81
- 68462 OLLILA, T. The lumber market situation. (Sw) Skogsbruket 35(10):276-278. 1965. 99.8 Sk59
Finland.

- 68463 PACIFIC LUMBER INSPECTION BUR. 63rd annual report, 1965. Seattle, 1965. 23 p. 99.76 P11R
- 68464 VILLIERS, A. M. DE. Silvicultural, exploitation and conversion methods that affect timber quality. II. S. Afr. Forest. J. 56:5-10. Ref. Mar.1966. 99.9 So82
Log quality.

Construction

- 68465 MONCK, W. The use of bonded, freely suspended wood constructions. (Ge) Holzindustrie 19(3):76-80. Mar.1966. 99.82 H742

Veneers, Plywood and Adhesives

- 68466 BURNETT, N. N. Plywood usage will increase. Australian Timber J. Building Prod. Merchandiser 32(2):37,39-41,43-44. Mar.1966. 99.81 Au7
- 68467 CROPP, J. Modern veneer slicers. (Ge) Holz Roh- Werkstoff 24(4):154-157. Apr.1966. 99.81 H74
English summary.
- 68468 HAUFERMAN, W. Plywood between yesterday and today. (Ge) Holztechnik 46(4):156,158,160. Apr.1966. 99.82 H745
Various uses.
- 68469 HEEBINK, B. G. Reaction of unbalanced panel construction to slow and rapid changes in relative humidity. U. S. Forest Serv. Res. Note FPL-0116,9 p. Jan.1966. A99.9 F7634Un
- 68470 HUBER, H. F., and STROBLE, H. G. Capsular adhesives. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):41A-44A. May 1966. 302.8 T162
- 68471 LAGMAN, A. The plight of the plywood industry. Lumberman [Manila] 12(1):24A-24B. Dec.1965/Jan.1966. 99.81 L9793
- 68472 LINDAYEN, T. M., and VALBUENA, R. R. Properties & characteristics of commercial Philippine species influence their suitability for veneer & plywood manufacture. Lumberman [Manila] 12(1):34,36,38,40. Ref. Dec.1965/Jan.1966. 99.81 L9793
- 68473 MERILUOTO, J. Raw material factors in the rotary cutting of birch veneer. (Fi) Pap. Puu 48(3):73-80. Mar.31,1966. 302.8 P1991
- 68474 THE PLYWOOD market in 1964. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965 (annu.no.):87-88,90-91. 99.81 Sv2
Text also in Swedish.
- 68475 SCHAEFFER, R. E. Preliminary study of the gluing of ammonium salt-treated wood with resorcinol-resin glues. U. S. Forest Serv. Res. Note FPL-0112,9 p. Jan.1966. A99.9 F7634Un
- 68476 TRUAX, D. E. Hot melt adhesives and their uses. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):100A-101A. May 1966. 302.8 T162
- 68477 VILLAFLOR, A. A. A study of wood utilization and manufacturing efficiency of plywood. Lumberman [Manila] 12(1):26B,26D,26F,26H. Dec.1965/Jan.1966. 99.81 L9793
- 68478 VILLAMIZAR, P., H. Adhesives for "sandwich" type structural elements. (Sp) Inst. Invest. Tecnol. Rev. 7(33):35-39. Jan./Feb. 1965. 241.4 In73

Furniture

- 68479 BACIA, K. Influence of technical progress on the structural change in material consumption for the furniture industry in Poland. (Ge) Holztechnologie 7(1):11-16. Feb.1966. 99.8 H744
English summary.
Chiefly wood.
- 68480 STARKEY, W. M. Refinishing furniture. Kans. State Univ. Ext. C-282,rev.,12 p. Nov.1965. 275.29 K13Ex
Wood furniture.

Containers

- 68481 KURTENACKER, R. S. Fiberneer; development, production, and evaluation. U. S. Forest Serv. Res. Paper FPL 52,26 p. Ref. Jan. 1966. A99.9 F7634U
Wood veneer and conventional paperboard as container material.
- 68482 SPURLING, M. B., JARRET, L. D., and BAIN, H. D. The Bruce box—a success story. S. Australia J. Agr. 69(8):285-289. Mar.1966. 23 So84
Wooden containers for citrus packing.

Pulp and Paper

- 68483 AKIM, G. L., NIKITIN, V. M., and GIRDYUK, V. V. Bleaching of sulfate pulp by the alkali-oxygen method. (Rus) Bumazhn. Promysh. 10:3-5. Oct.1965. 302.8 B88
English summary.
- 68484 ALTAN, A. D'. Cooking conditions and physico-mechanical properties of some poplar semi-chemical pulp. (It) Indus. Carta 4(4):124-131. Apr.1966. 302.8 In22
Includes discussion.
- 68485 AMERICAN PULPWOOD ASSOCIATION. Pulpwood annual, 1966; papers presented at the annual meeting. New York, 1966. p.47-88. 99.83 P96
- 68486 ANT-WUORINEN, O., and VISAPAA, A. Determination of the total sulphur content of cellulose by X-ray fluorescence. Pap. Puu 48(4a):129-137,141-144. Ref. Apr.1966. 302.8 P1991
- 68487 BENSON, W. E. Moisture testing of entire pulp bales—a capacitance method. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):53A-55A. May 1966. 302.8 T162
- 68488 BIHANI, B. L., and PRAKASH, V. Some interesting experiences in Swedish pulp and paper industry. I. Flash drying of pulp. Indian Pulp Pap. 20(9):547,549,551. Mar.1966. 302.8 In23
- 68489 BONDOVSKAYA, T. N. Structural changes in pulp and paper industry of USA. (Rus) Bumazhn. Promysh. 10:27-29. Oct.1965. 302.8 B88
- 68490 BOWMAN, D. F., and NELSON, P. F. The effect of extractives on the color of Eucalyptus pulp. (It) Cell. Carta 17(2):17-23. Feb.1966. 302.9 En8
English summary.
- 68491 CARVALHO, J. DA S. Quercus suber and Eucalyptus globulus, raw material for wood pulp. (Por) Junta Nac. Cortica. Bol. 28(327):9-12. Jan.1966. 390.9 J96
- 68492 CROON, I., DILLEN, S., and OLSSON, J. E. Brightness reversion of birch sulfate pulp. J. Polymer Sci. Part C, Polymer Symp. 11:173-195. Ref. 1965. 381 J829S
- 68493 CROON, I., DILLEN, S., and OLSSON, J. E. Brightness reversion of birch sulphate pulp. Svensk Papperstidn. 69(5):139-149. Ref. Mar.15,1966. 302.8 Sv2
- 68494 DYCK, A. W. J. Pulp trends today and tomorrow. Pap. Indus. 47(8):34-38. Aug.1965. 302.8 P1923
- 68495 EBELING, K., and BALAC, J. P. High consistency refining. Pap. Puu 48(4a):121-123,125-128. Apr.1966. 302.8 P1991
Pulp.
- 68496 EKMAN, K. H., and FOGELBERG, B. C. Impregnation on sulphate cooking studied by means of radioactive sulphur. Pap. Puu 48(4a):175-182. Ref. Apr.1966. 302.8 P1991
Pinus sylvestris and Betula verrucosa pulp.
- 68497 ELIASHBERG, M. G. Utilization of hardwood for producing sulfate pulp and hemicellulose. (Rus) In Kompleksn. Ispol'z. Drevesiny 1964:169-177. Not in Libr.
Birch and aspen.
Abstracted in Ref. Zh. Khim. 19(sect.S):40. Oct.1965. 241.64 R25z

- 68498 ERIKSSON, K. E. Impregnation of wet pulp. (Sw) Svensk Papperstidn. 69(7):242-245. Ref. Apr.15,1966. 302.8 Sv2
Control of fungi in pulp.
- 68499 FOX, E. C. Control strategy. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):87A-89A. May 1966. 302.8 T162
Computer in sulfate pulping.
- 68500 FREDGREN, K. R. Spain's pulp, paper, and board industry. U. S. Bus. Defense Serv. Admin. Pulp Pap. Board Indus. Rep. 22(1):7-10. Apr.1966. 157.54 In26
Production and trade.
- 68501 GAVELIN, G. Fundamentals of and latest developments in groundwood screening. Pap. Trade J. 150(21):58-63. May 23,1966. 302.8 P196
- 68502 GAVELIN, G. Wood, the raw material for mechanical pulp production. Pap. Trade J. 150(17):80-82. Ref. Apr.25,1966. 302.8 P196
- 68503 HARTLER, N. Some aspects on the inorganic chemistry in sulfate cooking. (Sw) Svensk Papperstidn. 69(6):191-198. Ref. Mar.31,1966. 302.8 Sv2
English summary.
- 68504 HAZARD, S. Constant-rate filtration resistance for evaluating progress of pulp refining. Pap. Indus. 47(5):69-74. May 1965. 302.8 P1923
- 68505 INVERARDI, R. Effect of extractives on the color of Eucalyptus pulp. (It) Cell. Carta 17(2):7-16. Ref. Feb.1966. 302.9 En8
English summary.
- 68506 IVANENKO, A. D., and others. Utilization of wastewater lignin as active synthetic rubber reinforcer. (Rus) Bumazhn. Promysh. 11:5-6. Nov.1965. 302.8 B88
V. P. Svitel'skii, A. Z. Verkhovskaya, A. V. Obolenskaya, V. M. Nikitin, G. T. Darovskikh, and S. G. Zhavoronok, joint authors.
English summary.
From sulfate pulp industry.
- 68507 JORGENSEN, F., SCHEISTROEN, A., and STAMNES, P. Relative conversion return of various spruce dimensions in chemical wood pulp production. (No) Norway. Skogforsoksv. Med. 76:307-388. Ref. 1965. 99.9 N833
English summary.
Norway spruce.
- 68508 KALLA, J. The consumption of pine pulpwood in the preparation of unbleached sulphate cellulose in northern and southern Finland. (Fi) Metsataloudellinen Aikakauslehti 83(3):149-152, 155-157, 159-160, map. Ref. Mar.1966. 99.9 F49
English summary.
- 68509 KHUTORSHCHIKOV, I. S. Content of beta cellulose in purified viscose sulfite pulp. (Rus) Bumazhn. Promysh. 11:3-4. Nov.1965. 302.8 B88
English summary.
- 68510 KLEINERT, T. N., and MARRACCINI, L. M. Aging and colour reversion of bleached pulps. 3. Pulp extractives from air aging at high humidity. Svensk Papperstidn. 69(5):159-160. Mar.15,1966. 302.8 Sv2
- 68511 KLEINERT, T. N. Influence of wood pressing upon delignification. Holzforsch. Holzverwertung 17(6):98-100. Ref. Dec.1965. 99.9 Os72
Spruce wood pulping.
- 68512 KOIVULEHTO, P. Crushed stumps as raw material for the pulp industry. (Fi) Metsataloudellinen Aikakauslehti 83(3):163-165. Mar. 1966. 99.9 F49
English summary.
- 68513 KORZHITSKAYA, Z. A., and KHUTORSHCHIKOV, I. S. Changes in fractional composition of larch sulfate pulp during aging process. (Rus) Bumazhn. Promysh. 10:5-8. Oct.1965. 302.8 B88
English summary.
- 68514 LITVINOVA, V. B., and KOMSHILOV, N. F. Oxalic acid recovered from black liquor. (Rus) Bumazhn. Promysh. 11:9-10. Nov.1965. 302.8 B88
English summary.
- 68515 LUR'E, N. A. Pulp and paper products on European market. (Rus) Bumazhn. Promysh. 11:27-28. Nov.1965. 302.8 B88
- 68516 MCKEE, J. C., and DANIEL, J. W. Long term storage of pulpwood in sealed enclosures. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):47A-59A. May 1966. 302.8 T162
- 68517 MISRA, N. D. What quality control and quality development means in a pulp and paper mill. Indian Pulp Pap. 20(9):561,563,565,567-571. Mar.1966. 302.8 In23
- 68518 NEAL, J. L. Degradation of wood pulp during acetylation. J. Polymer Sci. Part C, Polymer Symp. 11:161-172. 1965. 381 J829S
- 68519 NEPENIN, YU. N., and BUEVSKAYA, A. D. Sulfonation of lignin during sulfite cooking with various bases. (Rus) Bumazhn. Promysh. 12:3-6. Dec.1965. 302.8 B88
English summary.
- 68520 POST, H. A., and OHLHAUSEN, W. G. Commodity trends, 1955-65. U. S. Bus. Defense Serv. Admin. Pulp Pap. Board Indus. Rep. 22(1):4-6. Apr.1966. 157.54 In26
Outlook and trade of pulpwood and paper-board.
- 68521 SPALIS, A. F., and REVUTSKII, V. I. Cooking pulp with a calcium-base acid. (Rus) Khim. Pererabotka Drevesiny. Ref. Inform. 8:3-4. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.S):40. Oct.1965. 241.64 R252
- 68522 STAUFFACHER, C. B. Coming pulpwood crisis must be met head-on. Pulpwood Annu. 1966:49, 51. 99.83 P96
- 68523 SUTHERLAND, D. G., DYCK, A. W. J., and SMITH, W. H. 3 approaches to sawdust pulping. 1-3. Pap. Indus. 47(8):42-46. Aug.1965. 302.8 P1923
- 68524 TACHIBANA, S. Pulp and paper industry in Japan, present and future. Pap. Trade J. 150(20):52-53. May 16,1966. 302.8 P196
- 68525 TALMUD, S. L., and ZEL'DINA, A. E. Determining the amount of resins dissolved in sulfite liquor. (Rus) Leningr. Tekhnol. In-t Tselyulozno-Bum. Prom-sti. Tr. 12:126-129. 1964. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.S):44. Oct.1965. 241.64 R252
- 68526 THOMAS, B., and FLYNN, R. C. Non-metallic linings for pulp digesters and today's cooking practices. Pap. Indus. 47(4):71-73. Apr.1965. 302.8 P1923
Sulfite pulp.
- 68527 TUCKER, J. M. Feasibility studies. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):79A-83A. May 1966. 302.8 T162
Computer application in sulfate pulping.
- 68528 U. S. BUR. OF THE CENSUS. Pulp, paper, and board 1964. U. S. Bur. Census. Curr. Indus. Rep. Ser. M26A(64)-13, 17 p. Nov.19,1965. 157.41 F112
Statistics.
- 68529 U. S. DEPT. OF COMMERCE. BUSINESS AND DEFENSE SERV. ADMIN. Economic trends in the pulp, paper, and board industry: 1955, 1964-65. U. S. Bus. Defense Serv. Admin. Pulp Pap. Board Indus. Rep. 22(1):11-20. Apr.1966. 157.54 In26
Statistics.
- 68530 VEDERNIKOV, V. G., and MAKSIMOV, V. F. Dimethyl sulfoxide as valuable by-product of waste waters of sulfate pulp industry. (Rus) Bumazhn. Promysh. 11:7-9. Nov.1965. 302.8 B88
English summary.
- 68531 VLASOV, E. P. Use of acids on mixed basis for pulp cooking in Sakhalin. (Rus) Bumazhn. Promysh. 11:16. Nov.1965. 302.8 B88

- 68532** VOLOTSKAYA, V. V. Study of the absorptive power of amino cellulose. (Rus) Leningr. Tekhnol. In-t. Tsellyulozno-Bum. Prom-sti. Tr. 13:163-166. 1964. Not in Libr.
In pulp processing.
Abstracted in Ref. Zh. Khim. 19(sect.S):43. Oct.1965. 241.64 R252
- 68533** VOROB'EV, A. K., and SMIRNOVA, N. A. Cooking sulfite pulp with a soluble-base acid. (Rus) Khim. Pererabotka Drevesiny. Ref. Inform. 7:3-5. 1965. Not in Libr.
Soda-potash mixture for base.
Abstracted in Ref. Zh. Khim. 19(sect.S):40. Oct.1965. 241.64 R252
- 68534** THE WOOD pulp market in 1964. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965 (annu.no.):99-100,102,104,106,108,110,112,114, 116,118,120,122,124,126. 99.81 Sv2
Text also in Swedish.

Chemical Products and Distillates

- 68535** ARANTO, A. Production and refining of tall oil in Finland. (Fi) Pap. Puu 48(4a):155-160. Ref. Apr.1966. 302.8 P1991
English summary.
- 68536** LEVIN, E. D., and CHUPROVA, N. A. Study of product yield in heat decomposition of Siberian larch in solution. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:403-412. 1964. Not in Libr.
Larix sibirica.
Abstracted in Ref. Zh. Khim. 19(sect.P):1. Oct.1965. 241.64 R252
- 68537** ODINTSOV, P. N., and KATKEVICH, R. G. Research on uronic acids in wood. (Rus) Latvijas PSR Zinatnu Akad. Vestis. Kim. Ser. 2:244-250. 1965. Not in Libr.
Birch.
Abstracted in Ref. Zh. Khim. 19(sect.P):1. Oct.1965. 241.64 R252
- 68538** OKSANEN, H. Occurrence of dihydro-p-coumaryl alcohol in the bark of pine (Pinus sylvestris L.). Suomen Kem. B, 93(3):56-57. 1966. 385 Su7
- 68539** RAMIAH, N., and MOHANDAS, J. Isolation of coronaridine from Tabernaemontana heyneana Wall. Indian J. Chem. 4(2):99-100. Feb.1966. 385 In294
Seed alkaloid.
- 68540** SANDERMANN, W. Biosynthetic investigations of various species of pine. 16 p. Ref. Transl. 14346
Translation from Holzforschung 16(3):65-74. 1962.

Naval Stores

- 68541** AMERICAN SOCIETY FOR TESTING AND MATERIALS. 1966 book of ASTM standards with related material. Part 20. Philadelphia, 1966. 1140 p. 290.0 Am34S
Includes naval stores.
- 68542** BOSE, S., and GUPTA, K. C. Structure of Commiphora mukul gum. III. Indian J. Chem. 4(2): 87-89. Feb.1966. 385 In294
- 68543** CLEMENTS, R. W. When and how to use acid paste. Nav. Stores Rev. Terpene Chem. 75(12): 7-8,18. Mar.1966. 99.81 N22
Sulfuric acid paste to prolong the flow of gum.
- 68544** GUPICH, N. A., RAKITINA, M. A., and VINOGRADOVA, G. P. Processing oleoresins from Larix and developing means of utilizing the products obtained. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:390-402. 1964. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.P):2. Oct.1965. 241.64 R252
- 68545** KOEV, D. V. The resin productivity factor and its importance for the resin production planning. (Bu) Gorsko Stopanstvo 21(1):27-31. Jan.1965. 99.8 G682
- 68546** MUSGROVE, D. Marketing gum naval stores. Forest Farmer Manual 25(7):144. Mar.1966. 99.551 F76

- 68547** MUSGROVE, D. Naval stores—historic industry. Forest Farmer 25(8):28. Apr.1966. 99.8 F7692
Georgia.
- 68548** PARIKH, V. M., and JONES, J. K. N. Structure of cholla gum (Opuntia fulgida). J. Polymer Sci. Part C, Polymer Symp. 11:139-148. Ref. 1965. 381 J829S
- 68549** ROSSITER, F. Some optimism for future seen. Nav. Stores Rev. Terpene Chem. 75(12):11. Mar.1966. 99.81 N22
- 68550** U. S. CROP REPORTING BOARD. Naval stores 1965-66 annual report; production, supply, distribution, consumption and stocks of turpentine and rosin and related data, for the United States, May, 1966. Washington, 1966. 11 p. 1.941 S8N22

Other Forest Products

- 68551** BACK, E. L. The pore anisotropy of paper products and fibre building boards. Svensk Papperstidn. 69(7):219-224. Ref. Apr.15,1966. 302.8 Sv2
- 68552** BREITHAUP, G. Local studies on the utilization of wood wastes in the Dresden district. (Ge) Holzindustrie 19(3):69-71, map. Mar. 1966. 99.82 H742
- 68553** THE CHIPBOARD market in 1964. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965 (annu.no.):93-94,96-97. 99.81 Sv2
Text also in Swedish.
- 68554** CURBERA, G. G. Granulated cork; separation of foreign substances. (Por) Junta Nac. Cortica. Bol. 28(327):5-7. (Cont.) Jan.1966. 390.9 J96
For use in manufacturing agglomerated products.
- 68555** ENGLERTH, G. H. Framework of qualitative relationships in wood utilization. U. S. Forest Serv. Res. Paper FPL 45, 17 p. Ref. Jan.1966. A99.9 F7634U
- 68556** FIBRE BUILDING BOARD DEVELOPMENT ORGANISATION. Fibre building boards; board and the building regulations 1965. Wood [London] 31(4):59-60. Apr.1966. 99.82 W855
- 68557** THE FIBRE building board market in 1964. Svensk Travaru-Tidn. Svensk Pappermassetidn. 1965(annu.no.):79-80,82,84. 99.81 Sv2
Text also in Swedish.
- 68558** HEISKANEN, V. J. Portable and semi-portable wood chipping machines. II. Information on chipping and the yield and cost of chipping. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/161, 32 p. 1965. 99.9 F73Fe
Includes bibliography.
- 68559** IDNANI, M. A. Saw dust has many uses in agriculture. Indian Farming 15(10):44-45. Jan. 1966. 22 In283
- 68560** ILICHEV, A. I. Storage of wood chips under open conditions. (Rus) Bumazhn. Promysh. 10:24-25. Oct.1965. 302.8 B88
- 68561** JOHANSON, F., and BACK, E. L. Thermal softening of dry ligno-cellulosic materials. 69(6):199-205. Ref. Mar.31,1966. 302.8 Sv2
Hardboards.
- 68562** KIKKAWA, S., KAWAMURA, H., and OIKAWA, I. Studies on catechol type resin. II. Application of thiolignin, acetone, epichlorohydrin resin as adhesives and particle-board binders. (Ja) J. Agr. Sci. [Setagaya] 10(4):99-114. Ref. Mar.1965. 22.5 J824
English summary.
- 68563** KNEILL, G. Manufacturing of debarked chip in a central wood processing plant. (Ge) Allg. Forstz. 21(18):302-304. Apr.30,1966. 99.8 AL52
- 68564** KUSIAN, R. The influence of form and size of chips on the properties of particle boards. (Ge) Holztechnologie 7(1):34-40. Ref. Feb. 1966. 99.8 H744
English summary.

- 68565 LATIF, M. A. Bark, a potential source of useful products. Pakistan J. Sci. 16(5/6):251-254. Ref. Sept./Nov.1964. 475 P172
- 68566 LEWIS, W. C., and SCHWARTZ, S. L. Insulating board, hardboard, and other structural fiberboards. U. S. Forest Serv. Res. Note FPL-077,19 p.,map. Aug.1965. A99.9 F7634Un
Manufacture, strength, and physical properties.
- 68567 MOODY, R. C. Edgewise compressive strength of corrugated fiberboard as determined by local instability. U. S. Forest Serv. Res. Paper FPL 46,8 p. Dec.1965. A99.9 F7634U
- 68568 MOODY, R. C., and KONING, J. W. Effect of loading rate on the edgewise compressive strength of corrugated fiberboard. U. S. Forest Serv. Res. Note FPL-0121,11 p. Ref. Apr.1966. A99.9 F7634Un
- 68569 MOROZOV, N. A., and USHERENKO, Z. I. Automatization of the manufacturing process for laminated wood shapes. (Ge) Holztechnologie 7(1):47-55. Feb.1966. 99.8 H744
English summary.
From wood chips.
- 68570 PAHLITZSCH, G., and SOMMER, I. Production of wood chips with a cylinder-type chipping-machine. II. Effect of knife geometry on blunting, cutting and feed force, and on the quality of chips. (Ge) Holz Roh- Werkstoff 24(3):109-117. Mar.1966. 99.81 H74
English summary.
- 68571 PAHLITZSCH, G., and SOMMER, I. Production of wood chips with a cylinder-type chipping-machine. III. (Ge) Holz Roh- Werkstoff 24(4):158-166. Apr.1966. 99.81 H74
English summary.
- 68572 PAVLOV, V. P., and KACHELKIN, L. I. Types of cutting machines for processing wood waste. (Rus) Tsentr. N.-I. In-t Mekhaniz. i Energ. Lesn. Prom-sti 57:119-137. 1964. Not in Libr.
For wood chips.
Abstracted in Ref. Zh. Khim. 19(sect.S):114. Oct.1965. 241.64 R252
- 68573 POZNAN. INSTYTUT TECHNOLOGII DREWNA. Rezerwy surowca drzewnego dla przemyslu plytowego; zastosowanie metody programowania liniowego do wyliczenia maksymalnego przewartosciowania drewna przy jego przemyslowym przerobie [Raw material reserves for the fiberboard industry; use of linear programming for optimal transvaluation of industrial processed wood], by W. Fabiszewski. Poznan, 1965. 56 p. Ref. QA265.I5
English summary.
- 68574 REINEKE, L. H. Wood flour. U. S. Forest Serv. Res. Note FPL-0113,13 p. Ref. Jan. 1966. A99.9 F7634Un
- 68575 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Sawdust floor-sweeping compounds. U. S. Forest Serv. Res. Note FPL-0115,4 p. Jan.1966. A99.9 F7634Un
- 68576 YUKNA, A. D., and others. Viscosity of molded plastic made with ground wood. (Rus) In Khim. Pererabotka i Zashchita Drevesiny 1964:199-212. Not in Libr.
I. O. Ziedin'sh, A. P. Ozolin'sh, and Z. E. Kluge, joint authors.
Abstracted in Ref. Zh. Khim. 19(sect.S):77. Oct.1965. 241.64 R252
- 68577 YUNG, W. T. Develop the comprehensive use of lumber with artificial boards as the core. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:1-8. July 1,1960. (JPRS 3920; SS 1062) 173 J663Trh
Fiber board.
Translation from Hung Ch'i 13:15-19. July 1, 1960.
- 68578 ZOMBORI, J. Employment of frame sawchips from hardwoods in using extended binders in the particle board industry. (Ge) Holztechnologie 7(1):30-34. Feb.1966. 99.8 H744
English summary.

WOOD TECHNOLOGY

- 68579 BICHO, J. G., ZAVARIN, E., and BRINK, D. L. Oxidative degradation of wood. II. Products of alkaline nitrobenzene oxidation by a methylation-gas chromatographic technique. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):218-226. Ref. May 1966. 302.8 T162
- 68580 AMERICAN SOCIETY FOR TESTING AND MATERIALS. 1966 book of ASTM standards with related material. Part 15. Philadelphia, 1966. 876 p. Ref. 290.0 Am34S
Includes cellulose and casein.
- 68581 CELLULOSE CONFERENCE, 5, SYRACUSE UNIVERSITY, 1965. Proceedings. J. Polymer Sci. Part C, Polymer Symp. 11,294 p. Ref. 1965. 381 J829S
Includes bibliographies.
- 68582 CLAYTON, D. W., and PHELPS, G. R. The sorption of [spruce] glucomannan and [birch] xylan on alpha-cellulose wood fibers. J. Polymer Sci. Part C, Polymer Symp. 11:197-220. Ref. 1965. 381 J829S
- 68583 FAHMY, Y., and MANSOUR, O. On carboxymethylation of cellulose. I. Indian Pulp Pap. 20(9):535-540,551. Ref. Mar.1966. 302.8 In23
- 68584 FENGEL, D. On the changes of wood and its components in the temperature range up to 200°C. II. The Hemicelluloses in untreated and thermally treated sprucewood. (Ge) Holz Roh- Werkstoff 24(3):98-109. Ref. Mar.1966. 99.81 H74
English summary.
- 68585 GUTMANN, P. J., and TIMELL, T. E. The optical rotation of wood xylans. J. Polymer Sci. Part C, Polymer Symp. 11:281-292. Ref. 1965. 381 J829S
- 68586 KOSHJIMA, T., TIMELL, T. E., and ZINBO, M. The number -average molecular weight of native hardwood xylans. J. Polymer Sci. Part C, Polymer Symp. 11:265-279. Ref. 1965. 381 J829S
Populus tremuloides.
- 68587 KUSSMANN, E. From the activity of the German Society for Wood Research [Deutsche Gesellschaft fur Holzforschung]. (Ge) Holz-Zentralbl. 92(49):899-900. Apr.25,1966. 99.81 H742
- 68588 LEOPOLD, B., and FUJII, J. S. Degradation by mechanical action as a means of studying cellulose-water interaction. J. Polymer Sci. Part C, Polymer Symp. 11:149-160. Ref. 1965. 381 J829S
From spruce wood.
- 68589 MOORE, W. E., and others. The resistance of hemicelluloses in wood fiber to degradation by ozone. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):206-209. Ref. May 1966. 302.8 T162
M. Effland, B. Sinha, M. P. Burdick, and C. Schuerch, joint authors.
- 68590 MOORE, W. E., and EFFLAND, M. J. Spreader for the preparation of uniform plates for thin-layer chromatography. U. S. Forest Serv. Res. Note FPL-0119,4 p. Feb.1966. A99.9 F7634Un
For chemical analysis of wood.
- 68591 MURASHKEVICH, T. V., and SKRYGAN, A. I. Change in the chemical composition of hydrolyzed lignin. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Khim. N. 1:74-82. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.P):3. Oct.1965. 241.64 R252
- 68592 NELSON, P. F., and SMITH, J. G. The gas chromatography and infrared spectroscopy of trimethylsilyl ethers of some phenols related to lignin and ellagitannins. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):215-218. Ref. May 1966. 302.8 T162
- 68593 RAMIAH, M. V., and GORING, D. A. I. The thermal expansion of cellulose, hemicellulose, and lignin. J. Polymer Sci. Part C, Polymer Symp. 11:27-48. Ref. 1965. 381 J829S

- 68594 SASAYA, T. Studies on the flavonoids of the willow wood. (Ja) Hokkaido Univ. Coll. Exp. Forests. Res. Bull. 24(1):177-234. Ref. 1965. 99.9 H68
English summary.
- 68595 SCHWEERS, W. On the hydrogenolysis of lignin. (Ge) Pap. Puu 48(4a):161-174. Ref. Apr. 1966. 302.8 P1991.
- 68596 SETTINERI, W. J., and MARCHESSAULT, R. H. Derivation of possible chain conformations for poly-beta-1,4-anhydroxylose. J. Polymer Sci. Part C, Polymer Symp. 11:253-264. 1965. 381 J829S
From birch.
- 68597 SJOSTROM, E., and others. The acidic groups in wood and pulp as measured by ion exchange. J. Polymer Sci. Part C, Polymer Symp. 11:221-241. Ref. 1965. 381 J829S
J. Janson, P. Haglund, and B. Enstrom, joint authors.
- 68598 STAJDUHAR, F. Development of the Wood Institute [Institut za Drvo] in Zagreb. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:159-173, map. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Sumarski List 11/12:573-582. Nov./Dec. 1965.
Issued by CFSTI.
- 68599 SWENSON, H. A., SCHMITT, C. A., and THOMPSON, N. S. Comparison of the configuration of beta-1,4 linked hexosans and wood xylan pentosans by means of the Eizner-Ptitsyn viscosity equations. J. Polymer Sci. Part C, Polymer Symp. 11:243-252. Ref. 1965. 381 J829S
- Properties and Structure
- 68600 BARRETO, L. S. Educational notes on some physical properties of wood. (Por) Gaz. Agr. [Lourenco Marques] 17(191):98-112. Ref. Apr. 1965. 24 G25
- 68601 BENDTSEN, B. A. Strength and related properties of a randomly selected sample of second-growth redwood [Sequoia sempervirens]. U. S. Forest Serv. Res. Paper FPL 53, 16 p. Ref. Feb. 1966. A99.9 F7634U
- 68602 BOHANNAN, B. Exploratory development of tension test method for structural-size lumber. U. S. Forest Serv. Res. Paper FPL 40, 12 p. Sept. 1965. A99.9 F7634U
- 68603 BRITT, K. W. Fiber coarseness in wood. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):202-206. Ref. May 1966. 302.8 T162
- 68604 CANTIN, M. The machining properties of 16 eastern Canadian woods. Can. Dep. Forest. Publ. 1111, 27 p. 1965. 99.9 C1628P
- 68605 A COMPARATIVE study of the properties of European and Japanese larch. Great Brit. Min. Technol. Forest Prod. Res. Spec. Rep. 20, 22 p. 1965. 99.9 G796S
- 68606 DAVIES, G. W., and INGLE, H. D. Wall thickening in Callitris glauca R. Br. Nature [London] 209(5025):826-827. Feb. 19, 1966. 472 N21
- 68607 DYCK, W. Secular variations in the 14C concentration of Douglas fir tree rings. Can. J. Earth Sci. 3(1):1-7. Ref. Feb. 1966. 403 C16
- 68608 ERIKSSON, L., and NOREN, B. The effect of moisture changes on the deformation of wood with tension in the fibre direction. 17 p. Ref. Transl. 15879
Pine wood.
Translation from Holz als Roh- und Werkstoff 23(5):201-209. May 1965.
- 68609 FARMER, R. E., and WILCOX, J. R. Specific gravity variation in a lower Mississippi Valley cottonwood population. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):210-211. Ref. May 1966. 302.8 T162
Populus deltoides.
- 68610 FENGEL, D. Development and ultra-structure of bordered pits in Pinaceae-tracheids. (Ge) Svensk Papperstidn. 69(7):232-241. Ref. Apr. 15, 1966. 302.8 Sv2
English summary.
Picea abies wood.
- 68611 FRITTS, H. C., and others. Tree-ring characteristics along a vegetation gradient in northern Arizona. Ecology 46(4):393-401, map. Ref. Early summer 1965. 410 Ec7
D. G. Smith, J. W. Cardis, and C. A. Budelsky, joint authors.
Pseudotsuga menziesii, Pinus ponderosa and Pinus edulis.
- 68612 GERHARDS, C. C. Physical and mechanical properties of Molucca albizzia [Albizzia falcata] grown in Hawaii. U. S. Forest Serv. Res. Paper FPL 55, 8 p. Mar. 1966. A99.9 F7634U
Wood.
- 68613 GILLWALD, W., and LUTHARDT, H. Contribution to creep stress of solid wood and particle board. (Ge) Holztechnologie 7(1):25-29. Ref. Feb. 1966. 99.8 H744
English summary.
- 68614 GREAT BRITAIN, FOREST PRODUCTS RESEARCH LABORATORY (PRINCES RISBOROUGH). Properties of the timber of home-grown Pinus strobus. Quart. J. Forest. 60(2):127-135. Apr. 1966. 99.8 Q2
- 68615 HALVORSEN, B. Wood studies in connection with water driving. 11 p. Transl. 14365
Properties and chemistry.
Translation from Norsk Skogindustri 17(11):468-477. Nov. 1963.
- 68616 INDUSTRIAL wood from overseas. 28. Dibetou (Bibolo). (Ge) Holztechnik 46(4):192-195. Apr. 1966. 99.82 H745
Properties of Lovoa klaineana.
- 68617 IVANOV, YU. M. Diffusion into the cell walls of wood. 21 p. Ref. Transl. 15884
Translation from Akademiya Nauk SSSR. Institut Lesa i Drevesiny. Trudy 65:3-19. 1963.
- 68618 JONES, K. L. The varnish holding properties of timber. Oil Colour Chem. Ass. J. 49(4):314-339. Ref. Apr. 1966. 306.9 Qi5
- 68619 JURBERGS, K. A. Warts in selected species of pine. J. Polymer Sci. Part C, Polymer Symp. 11:1-12. 1965. 381 J829S
Electron microscopy of pine wood.
- 68620 KEYLWERTH, R. The hot pressing of wood. 10 p. Transl. 15887
Translation from Holz als Roh- und Werkstoff 22(11):413-418. 1964.
- 68621 KNIGGE, W. Investigations on the dependency of the average density of North American Douglas fir [Pseudotsuga menziesii] stems of different growth conditions. 15 p. Ref. Transl. 14941
Translation from Holz als Roh- und Werkstoff 20:352-360. 1962.
- 68622 KRAHMER, R. L. Variation of specific gravity in western hemlock trees. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):227-229. May 1966. 302.8 T162
- 68623 KUNZELMANN, E., and REICHEL, I. Determination of the ignition characteristics of wood. (Ge) Holztechnologie 7(1):56-64. Ref. Feb. 1966. 99.8 H744
English summary.
- 68624 MAKI, A. C., and KUENZI, E. W. Deflection and stresses of tapered wood beams. U. S. Forest Serv. Res. Paper FPL 34, 54 p., map. Sept. 1965. A99.9 F7634U
- 68625 MAKI, A. C. Stress distribution in an orthotropic half-plane subjected to a concentrated load. U. S. Forest Serv. Res. Paper FPL 54, 10 p. Feb. 1966. A99.9 F7634U
Wood.
- 68626 MARSHALL, P. E. A simple moisture content indicator. B.W.P.A. (Brit. Wood Preserv. Ass.) News Sheet 60:1-2. Mar. 1966. 300.9 B77B

- 68627 PERKITNY, T. Interaction between sorption, desorption and rheology of wood. 17 p. Ref. Transl. 15894
Pinus sylvestris sapwood.
Translation from Holz als Roh- und Werkstoff 23(5):173-182. 1965.
- 68628 PETERS, C. C., and LUTZ, J. F. Some machining properties of two wood species grown in Hawaii-molucca albizzia [Albizzia falcata] and nepal alder [Alnus nepalensis]. U. S. Forest Serv. Res. Note FPL-0117, 17 p. Feb. 1966. A99.9 F7634Un
Pacific Southwest Forest and Range Experiment Station, U. S. Forest Service; the Forestry Division, Hawaii Department of Land and Natural Resources; and Hawaiian Fern-Wood, Ltd., cooperating.
- 68629 PHIPPS, R. L. Ring analysis of selected trees at Neotoma. Diss. Abs. 26(3):1307. Sept. 1965. 241.8 M58
- 68630 RANGELOV, K. Properties of heartwood of Populus euroamericana. (Bu) Gorsko Stopenstvo 21(7):11-16. July 1965. 99.8 G682
- 68631 SCHAFFER, E. L., and EICKNER, H. W. Effect of wall linings on fire performance within a partially ventilated corridor. U. S. Forest Serv. Res. Paper FPL 49, 28 p. Dec. 1965. A99.9 F7634U
American Hardboard Association, cooperating.
In relation to wood ignition.
- 68632 SCHNIEWIND, A. P. On the influence of moisture content changes on the creep of beech wood perpendicular to the grain including the effects of temperature and temperature changes. (Ge) Holz Roh- Werkstoff 24(3):87-98. Ref. Mar. 1966. 99.81 H74
English summary.
- 68633 SCHREUDER, H. R. A study of the ultrastructure and chemistry of compression wood from red spruce (Picea rubens Sarg.). Syracuse? 1966. 269 p. TS932.S3
Thesis (M.S.)—Syracuse University.
- 68634 SIIMES, FE. Strength tests of Finnish sawn goods in England. (Fi) Pap. Puu 48(3):89-91, 93-94. Mar. 31, 1966. 302.8 P1991
English summary.
- 68635 SIMIC, P. Investigations on the anatomical structure of wood of two poplar species (Populus nigra cv. italica Moench. and P. thevestina Dode). (Ge) Arch. Forstwesen 14(11/12):1271-1284. 1965. 99.8 Ar22
English summary.
- 68636 STONE, J. E., and SCALLAN, A. M. Effect of component removal upon the porous structure of the cell wall of wood. J. Polymer Sci. Part C, Polymer Symp. 11:13-25. Ref. 1965. 381 J829S
Spruce wood pulping effect.
- 68637 SUNLEY, J. G. The compressive strength of home-grown pit-props. Great Brit. Min. Technol. Forest Prod. Res. Spec. Rep. 21, 15 p. 1965. 99.9 G796S
- 68638 THOMAS, A. V. The timber of lodgepole pine (Pinus contorta) grown in the British Isles [England, Scotland and Ireland]. Scot. Forest. 20(2):82-86. Apr. 1966. 99.8 Sco3
Properties.
- 68639 WHITE, J. F., and SAUCIER, J. R. A comparison of the specific gravity of two slash pine varieties grown in south Florida. TAPPI (Tech. Ass. Pulp Pap. Indus.) 49(5):230-232. May 1966. 302.8 T162
- 68640 WNUK, M. The effect of the origin and quality of birch logs on the mechanical properties of compressed laminated wood manufactured from them for aircraft construction. (Ge) Holztechnologie 7(1):3-10. Feb. 1966. 99.8 H744
English summary.
- 68641 WOOD, L. W., and MARKWARDT, L. J. Derivation of fiber stresses from strength values of wood poles. U. S. Forest Serv. Res. Paper FPL 39, 8 p. Oct. 1965. A99.9 F7634U
- 68642 YAZAWA, K., and ISHIDA, S. On the existence of the intermediate wood in some broad-leaved trees grown in Hokkaido, Japan. Hokkaido Univ. Fac. Agr. J. 54(2):137-150. Ref. Dec. 1965. 107.6 J273J
- 68643 ZAHN, J. J., and ROMSTAD, K. M. Buckling of simply supported plywood plates under combined edgewise bending and compression. U. S. Forest Serv. Res. Paper FPL 50, 20 p. Dec. 1965. A99.9 F7634U
- 68644 ZENKER, R., and MULLER-STOLL, W. R. The effect of fibers of tension wood on the strength properties of poplar wood in wet and dry condition. (Ge) Holztechnologie 7(1):17-25. Ref. Feb. 1966. 99.8 H744
English summary.

ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

BREEDS AND BREEDING

- 68645 AGAR, N. S., RAWAT, J. S., and ROY, A. Electrophoretic pattern of seminal plasma and blood serum proteins of farm animals. *Indian J. Dairy Sci.* 18(3):101-103. Ref. Sept. 1965. 44.8 In28
- 68646 BUCZYNSKI, R., and KWASIEBORSKI, J. Problems of animal husbandry in 1966-1970 in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432:11-19. Apr. 18, 1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
Breeding.
Translation from *Zycie Gospodarcze* 21(12): 4. Mar. 1966.
Issued by CFSTI.
- 68647 BURUIANA, L. M. The role of some components of the plasma of semen in the evaluation of quality of semen. (Fr) *Folia Vet.* 9(1/2):287-293. Ref. 1965. 41.8 F712
- 68648 GRAF, G. Comparative studies on three semen diluents. (Ge) *Tierarztl. Umsch.* 21(5):234-235. May 1, 1966. 41.8 T445
- 68649 GUALBA, C. Artificial insemination. (Sp) *Cult. Mod.* 48(10):366. Oct. 1965. 15 C89
- 68650 HADZIVUKOVIC, S. Analysis of covariance. (Se) *Savremena Poljoprivreda* 13(7/8):677-685. July/Aug. 1965. 21 P75
Includes statistical method in livestock breeding.
- 68651 HAHN, J., MARRE, H., and ROMANOWSKI, W. Punched cards and data processing machines in the service of artificial insemination. (Ge) *Tierzuchter* 18(8):234-236. Apr. 20, 1966. 49 T445
- 68652 HANSSON, A., and NORRMAN, E. Adjustment of research to changed types of operation and to consumer trends. (Sw) *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 75:3-11. 1965. 11 Up62A
Livestock breeding and care.
- 68653 HRUDKA, F. Cytochemical method and its practical application in the study of spermatozoa. (Cz) *Veterinarstvi* 16(2):65-69. 1966. 41.8 V6439
- 68654 JOHNSON, P. Summit conference; a group of dedicated scientists is trying to solve the special problems of breeding and raising livestock in the soaring mountains of Peru. *Freedom Hunger* 6(38):20-23. Sept./Oct. 1965. 389.8 F872
- 68655 KOZELUHA, V., and others. *Obecna zootechnika* [General principles of livestock breeding]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 559 p. Ref. SF105.K6
J. Granat, A. Karakoz, K. Koubek, N. Masek, M. Novak, J. Novy, B. Svozil, J. Merha, J. Zelnik, F. Zemanek, and Z. Zupka, joint authors.
- 68656 KUSHNER, KH. F., and GINTOVT, V. E. Problems of zootechnical immunogenetics. (Rus) *Zhivotnovodstvo* 4:77-81. Apr. 1966. 49 Z6
- 68657 LEVIT, SH. I. V. I. Lenin on some problems in development of the livestock breeding. (Rus) *Zhivotnovodstvo* 4:5-9. Apr. 1966. 49 Z6
- 68658 MEYER, H. The influence of breeding and heredity upon the mineral metabolism and mineral requirement in farm animals. (Ge) *Deut. Tierarztl. Wochensh.* 73(8):160-173. Ref. Apr. 15, 1966. 41.8 D482
English summary.
Cattle, swine and poultry.
- 68659 PRIBYL, J., and others. *Rukovet' zootechnika* [Handbook of livestock breeding]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 409 p. SF105.P7
V. Flicek, L. Hosman, K. Jirkovsky, D. Musil, Z. Muller, J. Novak, J. Pribyl, I. Rais, L. Seidl, M. Steindler, J. Stodola, J. Suchanek, M. Satava, R. Siler, and V. Vrchota, joint authors.

- 68660 RACZYK, W. Animal production in 1960-1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:25-30. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Breeding for meat production in Poland.
Translation from *Przeglad Hodowlany* 34(5): 1-2. Mar. 1966.
Issued by CFSTI.
- 68661 RAKOWSKI, M. Problems of animal productivity in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:16-22. Mar. 28, 1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Breeding and feeding in Poland.
Translation from *Zycie Gospodarcze* 10:1-2. Mar. 1966.
Issued by CFSTI.
- 68662 SHIPILOV, V. S., and GUSEV, A. A. Prophylaxis of livestock sterility is the major factor for higher milk and meat production. (Rus) *Veterinariya* 3:83-85. Mar. 1966. 41.8 V6426
- 68663 TAVILDAROVA, T. F. Urgent problems of livestock breeding in northern regions of Kazakhstan. (Rus) *Zhivotnovodstvo* 4:36-38. Apr. 1966. 49 Z6
- 68664 WINZENRIED, H. U. Artificial insemination in small animal breeding. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:37-40. 1966. 49.9 Sch92
Swine, goat and rabbit.

FEEDS AND FEEDING

- 68665 BOWLAND, J. P. Rapeseed meal for livestock. *Feedstuffs* 38(21):50-51. May 28, 1966. 286.81 F322
- 68666 BUGARSKI, D. The possibility of applying chromogen method in determining the quality of meals consumed ad libitum. (Se) *Veterinaria* [Sarajevo] 14(3):359-378. 1965. 41.8 V6492
English summary.
Excerpt from thesis.
In feeding ruminants.
- 68667 CHANDRA, K., and JAYAL, M. M. The chemical composition and nutritive value of Anjana grass hay (*Cenchrus ciliaris*) at the post-flowing stage of maturity. *Indian Vet. J.* 43(3): 249-258. Mar. 1966. 41.8 In2
- 68668 CLEMENT, G. H. The survival of vitamins in feeds containing unsaturated fats. *Nutr. Soc. Proc.* 25(1):31-37. Ref. 1966. 389.9 N953
- 68669 CUKOR, E. The role of antibiotics in animal nutrition. (Se) *Vetserum* 13(9/10):370-375. Ref. 1965. 41.8 V6459
- 68670 DIJKSTRA, N. D. De verteerbaarheid en voederwaarde van silage van doperwteloot, afkomstig van conservenfabrieken. The digestibility and nutritive value of silage of pea haulms with pods from pea canneries. *Wageningen. Cent. Landbouwpubl. Landbouwdoc. Verslagen Landbouwkundige Onderz.* 653, 17 p. Ref. 1965. 105.2 V61V
English summary.
- 68671 DOUGALL, H. W. Urea in the diet of the ruminant. *Kenya Farmer* 109:33. Aug. 1965. 24 R812
- 68672 DYRENDahl, S. Antibiotics in feed. (Sw) *Suomen Elainlaakarilehti* 72(3):99-100. Mar. 1966. 41.8 F49
- 68673 FEHER, K. Strip grazing method is gaining ground. (Hu) *Magyar Mezogazdasag* 21(20):16-17. May 18, 1966. 19 M27
- 68674 FERENCIK, M. Determination of urea in feed mixtures. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(12):725-729. Ref. Dec. 1965. 41.9 C333
English summary.
- 68675 FIALA, J. Physical properties of the cut material in the process of preparation of hay and withered forage plants for ensilage. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 38(8/9):505-518. Aug./Sept. 1965. 58.9 C333

- 68676 FROVA, G. The ensiling of green forages. (It) Bull. Agr. [Milano] 99(14):1-2. July 9, 1965. 16 B87
- 68677 FUNATSU, M., and others. Studies on utilization of castor pomace for an animal feed. I. Detoxification of castor pomace. 18 p. Ref. Transl. 15932
K. Murase, M. Matsuka, T. Takahashi, M. Ishiguro, S. Okamoto, and I. Goto, joint authors. Translation from Kyushu University. Faculty of Agriculture. Science Bulletin 20(3):247-258. Mar. 31, 1963.
- 68678 GALINDO, A. Livestock feeding: the importance of statistics. (Sp) Cult. Mod. 49(3):99. Mar. 1966. 15 C89
- 68679 HELLBERG, A. Factors influencing the voluntary feed consumption of ruminants. (Sw) Var Naring 42(6/7):164-165. 1965. 44.8 M692 Digestibility.
- 68680 HELLBERG, A. Sugar beet tops as feed. (Sw) Var Naring 42(10):268. 1965. 44.8 M692
- 68681 HOLZSCHUH, W., and FIX, H. P. Suggestions for rye fodder silaging. (Ge) Tierzucht 20(4):205-208. Apr. 1966. 49 T443
- 68682 KABRT, J. Modern trends in the feeding of animals. (Cz) Veterinarstvi 16(1):36-37. 1966. 41.8 V6439
- 68683 KANSAS. AGRICULTURAL EXPERIMENT STATION. 53rd livestock feeders' day, 1965-1966 progress reports. Kans. Agr. Exp. Sta. Bull. 493, 102 p. May 7, 1966. 100 K135
Beef cattle, sheep, and swine.
- 68684 KLEEMANN, J. The transition to pasture a stress factor for the animal. (Ge) Tierzucht 20(4):208-209. Apr. 1966. 49 T443
- 68685 KRUSSE, O. V. Proteins of vegetative organs of crops from various plant families. (Rus) In Rastitel'n. Belki i ikh Izpol'z. v Kormlenii S.-Kh. Zhivotnykh 1964:105-115. Not in Libr.
Feeding livestock.
Cited in Ref. Zh. Biol. Khim. 19:184. Oct. 10, 1965. 241.7 R252
- 68686 KRUSSE, O. V., and KRYLOV, V. M. Legumes and their products as sources of protein. (Rus) In Rastitel'n. Belki i ikh Izpol'z. v Kormlenii S.-Kh. Zhivotnykh 1964:39-59. Not in Libr.
In feeding livestock.
Cited in Ref. Zh. Biol. Khim. 19:184. Ref. Oct. 10, 1965. 241.7 R252
- 68687 KRUSSE, O. V., and SMIRNOVA-IKONNIKOVA, M. I. Characteristics of plant proteins. (Rus) In Rastitel'n. Belki i ikh Izpol'z. v Kormlenii S.-Kh. Zhivotnykh 1964:11-38. Not in Libr.
In livestock feed.
Cited in Ref. Zh. Biol. Khim. 19:184. Ref. Oct. 10, 1965. 241.7 R252
- 68688 KUMMER, H., and POLHEIM, P. VON. Results of long-term investigations of the phosphorus content and the Ca/P-relation of hay in Baden-Wurttemberg. (Ge) Phosphorsäure 25(5/6):289-314. Ref. 1965. 57.8 P563
- 68689 LOKOS, L. The role of livestock in the economic productivity of forage area. (Hu) Gazdalkodas 10(2):23-40. Apr. 1966. 281.8 G25
- 68690 MADERO, G. E. Course of forage culture. Chapter VIII. Brief review of nutrition. 2. (Sp) Soc. Rural Argent. An. 99(7):40-42, 45. July 1965. 9 S01
Nutritive value of feed.
- 68691 MCCULLOUGH, M. E. Silage—'66. Hoard's Dairyman 111(10):639, 664. May 25, 1966. 44.8 H65
Chiefly preparation.
- 68692 MILLER, W. J. How important are seepage losses? Hoard's Dairyman 111(10):646, 680. May 25, 1966. 44.8 H65
Of silage.
- 68693 NESTEROV, V. Study of herbaceous plants from various areas of the FR Bosnia and Herzegovina as feed. I. Herbaceous plants of wide distribution primarily in lowlands and highlands. (Se) Veterinaria [Sarajevo] 14(2):255-264. Ref. 1965. 41.8 V6494
English summary.
- 68694 PAGE, R. L., and others. Using protein tested sorghum grain in feed formulas. Feed Age 16(5):18-21. May 1966. 389.78 F327
C. A. Stevens, H. B. Pfost, and C. W. DeYoe, joint authors.
- 68695 PERRY, T. W. Feed formulations handbook. Danville, Ill., Interstate, 1966. 233 p. SF95.P4
- 68696 PINKAS, J., and PLUHAR, J. Study of radioactive contamination of grasslands of the Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Vod Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(11):705-710. Nov. 1965. 41.9 C333
English summary.
- 68697 REINHOLD, J. G. Significance of trace metals in nutrition. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:267-284. Ref. 1965. QH324.3.S9
Includes discussion.
- 68698 SEBOVA, G., and SEBO, M. Determination of the composition of the least expensive feed ration by the method of linear programming. (Cz) Folia Vet. 9(1/2):31-37. 1965. 41.8 F712
English summary.
- 68699 SHAMIS, D. L. The use of microorganisms in feed production. 5 p. (JPRS 20,677; OTS 63-31549) Transl. 14284
Silage production.
Translation from Akademiya Nauk SSSR. Vestnik 5:58-60. 1963.
CFSTI: \$0.50.
- 68700 SLOUT, W. E. Grazing associations. Rural Realtor 18(5):6-7. May 1966. 282.8 R88
- 68701 STALLCUP, O. T. Minerals as buffering agents for high concentrate diets. Feed Age 16(5):22-25. Ref. May 1966. 389.78 F327
Ruminants.
- 68702 STREETER, C. L., and others. Effect of stage of maturity, method of storage, and storage time on nutritive value of Sandhills upland hay. J. Range Manage. 19(2):55-59. Ref. Mar. 1966. 60.18 J82
D. F. Burzlaff, D. C. Clanton, and L. R. Ritzenhouse, joint authors.
In Nebraska.
- 68703 SWISS, J. Complete feed value tables available soon. Can. Milling Feed 47(5):24. May 1966. 298.8 C162
Data processing.
- 68704 SZABO, J. Utilization of pastures. (Hu) Magyar Mezogazdasag 21(15):6-7. Apr. 13, 1966. 19 M27
- 68705 TOICHKINA, A. V. Protein preparations from plants. (Rus) In Rastitel'n. Belki i ikh Izpol'z. v Kormlenii S.-Kh. Zhivotnykh 1964:127-130. Not in Libr.
Livestock feeding.
Cited in Ref. Zh. Biol. Khim. 19:184. Oct. 10, 1965. 241.7 R252
- 68706 TOLGYESI, GY. Informative data on the micro-element content of the leafage. (Hu) Magyar Allatorv. Lapja 21(4):168-172. Apr. 1966. 41.8 V644
English summary.
- 68707 TORRECABRERA, J. The production of green forages and their preservation. (Sp) Cult. Mod. 48(10):371-372. Oct. 1965. 15 C89
Corn and Sudan grass silage.
- 68708 TRIOLA, P. DE LA. Protein concentrates in livestock nutrition. (Sp) Cult. Mod. 49(2):58-59. Feb. 1966. 15 C89
- 68709 VRBACKY, O. A contribution to the problem of microbiological evaluation of feed. (Cz) Veterinarstvi 15(11):499-502. 1965. 41.8 V6439
- 68710 VUJIC, B. Selenium and its importance in the feeding of domestic animals in some regions of Serbia. (Se) Veterinaria [Sarajevo] 14(2):247-253, map. Ref. 1965. 41.8 V6494
English summary.
- 68711 ZIMMER, E. Hay silage is frost-free. (Ge) Tech. Landwirt. 18(4):96-97. Apr. 15, 1966. 58.8 T223
- 68712 ZLATICH, H. Vitamins of the complex B in the feeding of nonruminants. (Se) Vetserum 13(9/10):355-365. Ref. 1965. 41.8 V6459
English summary.

- 68713 ZUBRICKY, J., and KOVAC, J. Utilization of corn hybrids KC3 and LSP with regard to their carotene and tocopherol content. (Cz) *Folia Vet.* 9(1/2):19-24. 1965. 41.8 F712
English summary.
For silage.

VETERINARY MEDICINE

- 68714 AALTONEN, A. The opinion of drug and feed industry. (Fi) *Suomen Elainlaakarilehti* 72(3): 112-114. Mar.1966. 41.8 F49
- 68715 AIKAWA, J. K. Mg²⁸ studies of magnesium metabolism. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:705-719. Ref. 1965. QH324.3.S9
- 68716 EL-AKKAD, I., and HOBSON, P. N. Effect of antibiotics on some rumen and intestinal bacteria. *Nature [London]* 209(5027):1046-1047. Mar.5,1966. 472 N21
- 68717 ALLAWAY, W. H., and others. Movement of physiological levels of selenium from soils through plants to animals. *J. Nutr.* 88(4):411-418. Ref. Apr.1966. 389.8 J82
D. P. Moore, J. E. Oldfield, and O. H. Muth, joint authors.
- 68718 AMERICAN MICROSCOPICAL SOCIETY. 81st annual meeting, Urbana, Illinois, August, 1965. *Amer. Microscop. Soc. Trans.* 85(1):160-168. Jan.1966. 440.9 Am33
Abstracts of papers presented.
Includes papers on livestock parasites and insects.
- 68719 ANDERSON, R. R., and MCSHAN, W. H. Lutetizing hormone levels in pig, cow and rat blood plasma during the estrous cycle. *Endocrinology* 78(5):976-982. Ref. May 1966. 448.8 En2
- 68720 ANNUAIRE des docteurs en medecine veterinaire de Belgique et du Grand-Duche de Luxembourg [Annual of doctors of veterinary medicine of Belgium and the Grand Duchy of Luxembourg]. Ed. 25. Paris, 1965. 225 An728
- 68721 APPLEBY, E. C. Pathology. *Brit. Vet. J.* 122(4):152-153. Ref. Apr.1966. 41.8 V643
Listing of books.
- 68722 BACKMAN, A. Injuries of antibiotics to health. (Fi) *Suomen Elainlaakarilehti* 72(3):104-107. Mar.1966. 41.8 F49
- 68723 BARTOS, S. The metabolism of acetate and butyrate labelled with carbon-14 beef liver slices. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:137-144. 1965. QH324.3.S9
Includes discussion.
- 68724 BASTAR, M. Utilization of dry sera for diagnostic purposes. (Cz) *Veterinarstvi* 15(11): 509-510. 1965. 41.8 V6439
- 68725 BATISTIC, B. Sarcosporidiosis in some animals and man in Bosnia and Hercegovina; distribution, morphology and patomorphologic changes of sarcocysts. (Se) *Veterinaria [Sarajevo]* 14(1):45-64. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 68726 BEGOVIC, S. Classification and therapy of motility disturbance of rumen from the point of disordered metabolism of mediators that take part in the transmission of stimulation. (Se) *Vet. Glas.* 20(2):95-105. Ref. 1966. 41.8 J93
English summary.
- 68727 BELL, F. R. Medicine. *Brit. Vet. J.* 122(4): 154-155. Ref. Apr.1966. 41.8 V643
Listing of books.
- 68728 BERSON, J. P. Culture of *Trypanosoma congolense* Broden, 1904, in diphasic medium for antigen preparation. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 19(1):1-5. 1966. 41.8 R3262
English summary.
- 68729 BOGDANOV, M. P. Application of electric vacuum pump in veterinary obstetrics. (Hu) *Magyar Allatorv. Lapja* 21(4):180-181. Apr. 1966. 41.8 V644
- 68730 BORISOVICH, YU. F., and OREKHOV, M. D. Camel pox [Variola-cameli]. (Rus) *Veterinariya* 3:50-52. Ref. Mar.1966. 41.8 V6426
- 68731 BRADLEY-JONES, J. Ergot and ergotism. N. A. A. S. (Nat. Agr. Adv. Serv.) *Quart. Rev.* 68:157-164. Ref. Summer 1965. 241 G796
- 68732 BRADY, N. C. Mobilizing for action. *Livestock Conserv. Proc.* 1965:12-16. 280.3409 L75A
For livestock diseases control.
- 68733 BUTOZAN, V. Current problems of the association of veterinarians and veterinary technicians of People's Republic Yugoslavia in regard to the implementation of the tasks of economic reform of the country. (Se) *Vet. Glas.* 20(2):75-83. 1966. 41.8 J93
Veterinary services and prices of livestock products.
- 68734 BUTOZAN, V. Current problems of the association of veterinarians and veterinary technicians of Yugoslavia in connection with the economic reform. U. S. Joint Publ. Res. Serv. *Transl. East. Europe. Agr. Forest. Food Indus.* 430:40-52. Apr.7,1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
In relation to livestock products prices.
Translation from *Veterinarski Glasnik* 2:75-83. Feb.1966.
Issued by CFSTI.
- 68735 CACCHIONE, R. A. Aspects of the epido-epizootiology of leptospirosis, prevention and immunization. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 206:20-26. Feb.1965. 9Id4
- 68736 CARLOTTO, F., and CORRADINI, L. *Listeria* antibodies in some animal species. *Vet. Ital.* 16(10):658-662. Ref., p.657. Oct.1965. 41.8 C87
Text also in Italian, p.651-657.
- 68737 CHEBOTAREV, R. S. Biological control of Mollusca, the intermediate hosts of pathogens of verminosis of vertebrates. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhivotnykh*, p.392-398. Ref. 1965. 436 K544
Livestock and poultry.
- 68738 CHEBOTAREV, R. S. On the history of medical and veterinary parasitology. 7 p. (JPRS 34,947; TT 66-31385) *Transl.* 15938
Translation from *Ocherki po istorii meditsinskoi-veterinarnoi parazitologii* 1965:3-8,192. CFSTI: \$1.00.
- 68739 CHERNY, I., and others. Objective method of evaluating effects of carbon tetrachloride against *Fasciola*. (Rus) *Acta Vet. [Budapest]* 16(1):1-8. 1966. 41.8 Ac83
B. Sekasin, I. Paul, and G. Terek, joint authors.
- 68740 CLARKE, R. T. J., and HUNGATE, R. E. Culture of the rumen holotrich ciliate *Dasytricha ruminantium* Schuberg. *Appl. Microbiol.* 14(3):340-345. Ref. May 1966. 448.3 Ap5
- 68741 CLEGG, H. The shape of a journal. *Brit. Vet. J.* 122(4):137-139. Apr.1966. 41.8 V643
- 68742 COMAR, C. L. The importance of radioisotopes in biological research. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:3-35. Ref. 1965. QH324.3.S9
Especially animals.
- 68743 CONFERENCE ON RUMEN FUNCTION, 8, CHICAGO, 1965. Report. Washington, U. S. Agr. Res. Serv., 1966. 23 p. 1.98 R2929
Abstracts of papers presented.
- 68744 THE COOPER pocket guide, East Africa, 1966. Nairobi, Copper, McDougall & Robertson, 1966. 93 p. 41.8 C78
Handbook of livestock disease and pest treatment.
- 68745 DAHLSTRAND, S., and KARLSSON, K. A. *Aeromonas hydrophila*—cause of infection in man and livestock. (Sw) *Svensk Veterinartidn.* 17(18):567-568,570. Ref. Sept.1965. 41.9 Sv23
- 68746 DANELIUS, G. Notes on a study trip to England. (Sw) *Svensk Veterinartidn.* 18(5):139-145. Mar.1966. 41.9 Sv23
Livestock diseases and veterinary medicine.

- 68747 DEODHAR, N. S. Effect of temperature on the eggs and the larvae of *Mecistocirrus digitatus* (Von Linstow-1906). *Indian Vet. J.* 43(3):206-208. Mar.1966. 41.8 In2
- 68748 DIMITROVSKI, S. Prevention of echinococcosis in New Zealand. (Se) *Vet. Glas.* 19(12):981-982. 1965. 41.8 J93
- 68749 DIVLJANOVIC, D. Infectious diseases of domestic animals in Serbia in the 19th and at the beginning of the 20th century. (Se) *Veterinaria [Sarajevo]* 14(1):77-93. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 68750 DVORNIKOVA, P. D., HULII, M. F., and PECHONOVA, T. M. A simple method of obtaining crystalline hemoglobin from rabbit, swine and bovine erythrocytes. (Uk) *Ukr. Biokhim. Zhur.* 38(1):100-104. 1966. 385 Uk72
English summary.
- 68751 DYKJAER, E. A new aid—a "pill syringe." (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(9):406-407. May 1,1966. 41.9 D23
- 68752 DYK, V. Development of veterinary diagnosis and research in People's Republic Hungary. (Cz) *Veterinarstvi* 16(4):187-189. 1966. 41.8 V6439
- 68753 DYK, V., and CHROUST, K. Century ago trichinosis was discovered in Czechoslovakia. (Cz) *Veterinarstvi* 16(4):179-181. 1966. 41.8 V6439
German summary.
- 68754 DYKOVA, I., and DYK, V. Characteristics of trichinosis in Czechoslovak SSR. (Cz) *Veterinarstvi* 16(4):156-158. Ref. 1966. 41.8 V6439
German summary.
- 68755 EBERHARDT, C. Ad regional veterinary laboratories. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(9):403-405. May 1,1966. 41.9 D23
- 68756 ECKERSKORN, W. Rabies of wild animals, a problem of the animal disease control of the state. (Ge) *Deut. Tierarztl. Wochensh.* 73(7):150-155. Apr.1,1966. 41.8 D482
English summary.
Danger of transmission to domestic animals.
- 68757 ELIAS, M. I. Contribution to the epidemiology of toxoplasmosis. (Ge) *Z. Tropenmed. Parasitol.* 17(1):87-99. Ref. Apr.1966. 448.8 Z37
English summary.
Man and livestock affected in Rumania.
- 68758 EMTSEV, V. T. Methods for quantitative estimation of different strains of *Clostridium* in soil. (Rus) *Moscow. Timiryazevskaya Sel'skokhoz. Akad. Dokl.* 109(2):123-130. 1965. 20 M857
Abstracted in Ref. *Zh. Biol.* 22(sect.B):42. Nov.1965. 241.7 R25
- 68759 ETHERINGTON, J. The art of copy editing. *Brit. Vet. J.* 122(4):140-142. Apr.1966. 41.8 V643
- 68760 EYRE, P. The anticholinesterase activity of the babesicidal agents quinuonium and amicarbalide and the influence of pyridine 2-aldoxime methiodide. *Res. Vet. Sci.* 7(2):161-167. Ref. Apr.1966. 41.8 R132
- 68761 FEDII, E. M., and KHAIDAROV, KH. B. Method for determination of cellulose decomposition by rumen microorganisms. (Rus) In *Korma i Kormlenie S.-Kh. Zhivotnykh* 2:123-125. 1964. Not in Libr.
Cited in Ref. *Zh. Biol.* 22(sect.B):35. Nov. 1965. 241.7 R25
- 68762 FELLOWES, O. N. Hydroxylamine as an inactivating agent for foot-and-mouth disease virus. *J. Immunol.* 96(5):772-776. Ref. May 1966. 448.8 J8232
- 68763 FRICK, W. Fluorescent microscopical presentation of nematocidal effect of some anthelmintics. (Ge) *Arch. Exp. Veterinarmed.* 19(6):1309-1321. Ref. Dec.1965. 41.8 Ex7
- 68764 FRIESLAND. GEZONDHEIDSDIENST VOOR DIEREN. Mededelingen; 46e jaarverslag, 1 Mei 1964—30 April 1965 [Communications; 46th annual report of the Veterinary Service, May 1, 1964—April 30, 1965]. n.p., 1965. 117 p. 41.9 F91
- 68765 FURTUNESCU, A., BARZA, H., and BALANESCU, F. Study of the productivity of pituitary and adrenal glands system with regard to the resistance of livestock. (Ge) *Folia Vet.* 9(1/2):295-304. Ref. 1965. 41.8 F712
ACTH and insulin.
- 68766 GILLETTE, D. D. Cartwheel "transdormor": a device for securing entry leads into animals. *Amer. J. Vet. Res.* 27(117):610-611. Mar. 1966. 41.8 Am3A
- 68767 GREKOVA, N. A. Study of liver protein synthesis in experimental brucellosis. (Rus) *Veterinariya* 3:111-112. Mar.1966. 41.8 V6426
- 68768 GROMYKHIN, P. S. From animals to man. p.21-33. (*JPRS* 26,589; TT 64-41847) Transl. 14596
Transmission of livestock diseases to man.
Translation from *Kniga o Zdorov'e Truzhenikov Sela* 1963:162-174.
Issued by CFSTI.
- 68769 HAMORI, D. Hereditary diseases and defects in livestock breeding. (Hu) *Budapest. Magyar Tud. Akad. Agrartud. Osztalyanak. Kozlemenyei* 25(1/2):83-96. Ref. 1966. 19 B855
German summary.
- 68770 HARMEYER, J., and HILL, H. The biosynthesis of amino acids by isolated rumen protozoa species. Radioisotop. *Anim. Nutr. Physiol. Proc.* 1964:95-109. Ref. 1965. QH324.3.S9
Includes discussion.
- 68771 HATZEOLLOS, B. K. Certain thoughts for the improvement of veterinary medicine by us. (Gre) *Hellen. Kteniatrike Hetaireia. Delt.* 16 (57/58):3-6. Jan./June 1965. 41.9 So18
- 68772 HILL, K. J. Physiology. *Brit. Vet. J.* 122(4):149-150. Apr.1966. 41.8 V643
Listing of books.
- 68773 HOLLO, F. The Hungarian veterinary book and periodical publication in the last 20 years. (Hu) *Magyar Allatorv. Lapja* 21(4):153-156. Apr.1966. 41.8 V644
- 68774 HOLMES, C. L. Veterinary aerosols. *Aerosol Age* 11(4):32-34,119-120. Apr.1966. 309.8 Ae8
- 68775 HOLUB, A. Problems of the present state of veterinary medicine and future tasks. (Cz) *Veterinarstvi* 16(1):10-13. 1966. 41.8 V6439
- 68776 HORNICEK, J. A contribution to study of the Frenkel's method of culture of the foot-and-mouth disease virus. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(10):577-584. Ref. Oct.1965. 41.9 C333
English summary.
- 68777 HRUDKA, F., and RUDIC, M. Apparatus for sequential registration of several results of microscopic analysis. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(10):633-638. Oct. 1965. 41.9 C333
English summary.
Animal research.
- 68778 JACOB, E. On the so-called advanced courses for meat-inspecting veterinarians and the repayment for their courses. (Ge) *Deut. Tierarztl. Wochensh.* 73(8):180-181. Apr.15,1966. 41.8 D482
English summary.
- 68779 JAMES, L. F. Loco takes its toll in livestock losses. *Nat. Wool Grower* 56(5):20. May 1966. 45.8 N21N
- 68780 JEHLICKA, L., and MARKOVIC, P. Tissue biostimulators. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(10):625-632. Oct.1965. 41.9 C333
English summary.
- 68781 JOHANNSEN, A. Gas gangrene, infectious bovine emphysema, malignant edema and braxy, etc.; a survey of histological clostridia. (Sw) *Svensk Veterinartidn.* 17(19):580-595. Ref. Oct.1965. 41.9 Sv23
- 68782 JOVANOVIĆ, V., DIMITRIJEVIĆ, V., and VELICKOVIĆ, L. Epizootiology of the anthrax in Kosovo and Metohija during 1953-1964. (Se) *Vet. Glas.* 19(12):941-948. 1965. 41.8 J93
English summary.

- 68783 KALUPOV, I., and GEORGIEV, K. Structure of the veterinary service in the Bulgarian People's Republic. 5 p. (JPRS 35,102; TT 66-31539) Transl. 15930
Translation from Veterinarna Sbirka 62(12): 21-24. Dec.1965.
CFSTI: \$1.00.
- 68784 KELLY, R. D. The development and implementation of a course in advanced animal biology—a case study of twelve talented students. Diss. Abs. 26(10):5917-5918. Apr.1966. 241.8 M58
- 68785 KING, A. S. Veterinary textbooks: successes and omissions; anatomy. Brit. Vet. J. 122(4): 147-149. Ref. Apr.1966. 41.8 V643
Listing of books.
- 68786 KOCH, I. Do the properties of a fixed virus rabies change in extracerebral passage? (Ge) Berliner Munchener Tierarztl. Wochensch. 79 (7):135-136. Apr.1,1966. 41.8 B45
English summary.
- 68787 KOPPEL, Z., and others. Comparison of different methods for identification of the different representatives of the genus *Bacillus*. (Cz) Folia Vet. 9(1/2):235-242. Ref. 1965. 41.8 F712
A. Sokol, F. Hruskovsky, J. Tomka, and V. Beno, joint authors.
English summary.
In veterinary medicine.
- 68788 KOS'KO, F. A., and others. Measures taken in the most dangerous foci of infections. 4 p. Transl. 14539
Sh. S. Shmulevich, I. N. Shchastlivyi, and V. S. Zarovnyi, joint authors.
Control of rabies of domestic animals.
Translation from Veterinariya 41(9):7-9. Sept.1964.
- 68789 KOVACS, J. The development of pharmacological therapy in veterinary medicine in the last twenty years in Hungary and the present problems of drug supply. (Hu) Magyar Allatorv. Lapja 21(4):145-153. Apr.1966. 41.8 V644
- 68790 KOVAR, V., and SOBEK, B. Porodnictvo a inseminacia [Obstetrics and insemination]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatury, 1966. 214 p. Ref. SF887.K63
- 68791 LANIER, W. Veterinary medicine. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:54-55. 275.29 AL1Su
Extension programs.
- 68792 LEPKOVSKY, S., and others. The rate of the conversion of acetate-2-C14 to lipids as a measure of the synthetic activity of tissues during the digestive process. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:145-156. Ref. 1965. QH324.3.S9
R. M. Lemmon, A. Chari-Bitron and M. K. Dimick, joint authors.
- 68793 LEVINE, N. D., and ANDERSEN, F. L. Frozen storage of *Trichomonas foetus* for 5.6 years. J. Protozool. 13(2):199-202. Ref. May 1966. 439.8 J82
- 68794 LINDERHOLM, K. G. Organization of the veterinary services in peace and war. (Sw) Svensk Veterinartidn. 18(6):163-168. Mar.1966. 41.9 Sv23
- 68795 LIVESTOCK CONSERVATION. Proceedings of the annual meeting held at St. Paul, Minn., February 23, 24, 25, 1965. Chicago, 1965. 280,3409 L75A
Chiefly health and care.
- 68796 MAMEDOV, T. A. Culture of *Vibrio fetus* on Endo's culture medium. (Rus) Veterinariya 3: 114. Mar.1966. 41.8 V6426
- 68797 MAREK, P. Social hygiene and tuberculosis from the point of view of veterinary medicine. (Ge) Fleischwirtschaft 45(5):458,461-462,465-468,471-473. Ref. May 1965. 280.38 F62
English summary.
- 68798 MEDVEDEV, YU. A., and SOSNOV, O. I. Recording of digestive secretions in livestock with the aid of a semi-conductor device. (Rus) Fiziol. Zh. SSSR. I. M. Sechenova 52(4):430-431. Apr.1966. 444.8 F58
- 68799 MEISINGER, G. Training of veterinarians in the Chinese People's Republic. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 293:7-14. Mar.1,1966. (JPRS 34,331; TT 66-30772) 173 J663Tcco
Translation from Monatshefte fuer Veterinar-Medizin 1:7-11. Jan.1,1966.
Issued by CFSTI.
- 68800 MENKE, K. H., and MARQUERING, B. Cobalt metabolism in ruminant and non-ruminant animals. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:373-386. Ref. 1965. QH324.3.S9
- 68801 MERKAL, R. S., and THURSTON, J. B. Comparison of *Mycobacterium paratuberculosis* and other mycobacteria, using standard cytochemical tests. Amer. J. Vet. Res. 27(117):519-521. Mar.1966. 41.8 Am3A
- 68802 MEYER, M. E. Identification of *Brucella* organisms by immunofluorescence. Amer. J. Vet. Res. 27(117):424-429. Ref. Mar.1966. 41.8 Am3A
- 68803 MIETH, H. Freeze conservation of various protozoa of blood and tissue in liquid nitrogen. (Ge) Z. Tropenmed. Parasitol. 17(1):103-108. Ref. Apr.1966. 448.8 Z37
English summary.
Includes livestock.
- 68804 MOUR, K. Importation of tuberculosis into livestock farms. (Cz) Veterinarstvi 15(11): 513-515. 1965. 41.8 V6439
Includes tuberculin test and prevention of tuberculosis.
- 68805 MUNKACSI, F. Role of some biological research in increasing productivity of farm animals. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak, Eloadasai 1964:39-52. Ref. 105.9 D354
German summary.
Includes proteins and amino acids in livestock physiology.
- 68806 MYSLIVEC, V. Application of methods of mathematical statistics in evaluation of the results of experiments carried out by means of radioactive isotopes in the field of animal nutrition and physiology. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:805-833. Ref. 1965. QH324.3.S9
- 68807 NAGY, G., and STIPKOVITS, L. The organization, situation and tasks of the Mongolian veterinary service. (Hu) Magyar Allatorv. Lapja 21(4):187-188. Apr.1966. 41.8 V644
- 68808 NEJEDLY, J. Development of teaching veterinary medicine in secondary schools of Czechoslovak SSR. (Cz) Veterinarstvi 16(1):13-14. 1966. 41.8 V6439
- 68809 NIGERIA (NORTHERN REGION). MINISTRY OF ANIMAL AND FOREST RESOURCES. VETERINARY DIV. Annual report, 1962-63. Kaduna, 1965. 61 p.,map. 41.9 N563
- 68810 NURMI, E. Antibiotic therapy in mastitis. (Fi) Suomen Elainlaakarilehti 72(3):94-98. Mar. 1966. 41.8 F49
- 68811 OBIGER, G. Behaviour of *Brucella* species in lysotype. (Ge) Berliner Munchener Tierarztl. Wochensch. 79(7):124-128. Ref. Apr.1,1966. 41.8 B45
English summary.
Brucella abortus, *B. suis* and *B. melitensis* strains.
- 68812 O'CONNOR, M. The business of publishing scientific articles. Brit. Vet. J. 122(4):143-146. Apr.1966. 41.8 V643
- 68813 O'DONOGHUE, J. G. Anthrax and rabies. Can. J. Public Health 57(3):131-133. Mar.1966. 449.8 P964
- 68814 OLSEN, P. M. Concerning veterinary regional laboratories. (Da) Danske Dyrlaegefor. Medlemsbl. 49(7):289-290. Apr.1,1966. 41.9 D23
- 68815 OSETROV, P. A., and SOKAS, P. I. Effect of the short-wave ultraviolet rays on agricultural animals. 9 p. Transl. 15739
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaystva 5:40-41. 1963.

- 68816 PAGE, L. A. Interspecies transfer of psittacosis-LGV-trachoma agents: pathogenicity of two avian and two mammalian strains for eight species of birds and mammals. *Amer. J. Vet. Res.* 27(117):397-407. Ref. Mar.1966. 41.8 Am3A
Includes turkey, pigeon ornithosis and sheep abortion agents.
- 68817 PALSSON, W. My instruments—notes by a district veterinarian. (Sw) *Svensk Veterinartidn.* 18(4):125-128. Feb.1966. 41.9 Sv23
- 68818 PETERSEN, P. C. 40 year's work as practicing veterinarian. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(7):293-298. Apr.1,1966. 41.9 D23
- 68819 PETTIT, J. P. Quick chromatographic process of the study of aflatoxins fluorescence. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 19(1):87-96. 1966. 41.8 R3262
English summary.
- 68820 PETROVA, K. F., and ALIVERDIEV, A. A. Leptospirosis epizootic of Dagestan. (Rus) *Veterinariya* 3:47-49. Mar.1966. 41.8 V6426
- 68821 PFEIFFER, A. Versuche zur Stalldesinfektion mit Heisswasser-Dampf-Gemischen [Experiments for stall disinfection with hot water-steam-mixtures]. Hanover. *Tierarztl. Hochsch. Inaug.-Diss.* 9,56 p. Ref. 1965. 41.2 H198
Bibliography p.38-55.
In control of coccidiosis and ascariasis.
- 68822 PFISTER, H. P. Investigations on the role of sulfur in animal metabolism. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:15-17. 1966. 49.9 Sch92
- 68823 PLHON, M. Management of veterinary drugs in institutions for veterinary services. (Cz) *Veterinarstvi* 16(2):82-85. Ref. 1966. 41.8 V6439
- 68824 POLAK, L. Trends and aims of the veterinary medicine in 1966. (Cz) *Veterinarstvi* 16(1):1-7. 1966. 41.8 V6439
- 68825 POPOVIC, M., and others. Application of nitrofurantoin derivatives in veterinary practice. 1. Tests of antibacterial effect of nitrofurazone in vitro. (Se) *Veterinaria [Sarajevo]* 14(2):175-181. Ref. 1965. 41.8 V6494
M. Ibrovic, Z. Smrcek, and Z. Forsek, joint authors.
English summary.
- 68826 PRINCEWILL, T. J. T. Effect of calcium chloride on germination and pathogenicity of spores of *Clostridium chauvoei*. *J. Comp. Pathol.* 75(3):343-351. Ref. July 1965. 41.8 J82
Isolated from a case of bovine blackquarter.
- 68827 RADICKE, H. Studies on biometeorological effects on time of birth and milk fever. (Ge) *Tierarztl. Umsch.* 21(5):235-236,239. May 1, 1966. 41.8 T445
- 68828 RENOUX, G., and GAUMONT, R. Pathology of milk production. II. Methods of biological diagnostics of animal brucellosis. (Fr) *Ann. Nutr. Aliment.* 20(1,techniques),51 p. Ref. 1966. 389.8 An73
Includes various domestic animals.
- 68829 RISLAKKI, V. Thoughts on post-graduate instruction as cooperation between the Scandinavian veterinary colleges. (Sw) *Svensk Veterinartidn.* 18(2):58-59. Jan.1966. 41.9 Sv23
- 68830 ROBES, B. Publishing and distribution of veterinary forms and records. (Cz) *Veterinarstvi* 16(3):129-131. 1966. 41.8 V6439
- 68831 ROGATIS, R. DE. The Zooprophyllactic Station [Stazione Zooprofilattica] of Portici. (It) *Nuovo Prog. Vet.* 21(5):212. Mar.15,1966. 41.8 P942
Concerning regulation.
- 68832 ROGERS, T. A. The metabolism and magnesium. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:285-299. Ref. 1965. QH324.3.S9
Includes discussion.
- 68833 ROSE, G. W., EVELAND, W. C., and ELLINGHAUSEN, H. C. Mechanisms of tissue cell penetration by *Leptospira pomona*; phagocytosis of leptospirae in vitro. *Amer. J. Vet. Res.* 27(117):503-511. Ref. Mar.1966. 41.8 Am3A
- 68834 SAINI, I. Improvement in the health condition of livestock. (It) *Vicenza Econ.* 21(2):107-112. Feb.1966. 287 V662
- 68835 SARAIVA, D., and MOHRDIECK, B. W. Lyophilized aphthous virus—some results obtained with its use in complement fixation reaction. 13 p. Transl. 14483
Translation from Porto Alegre. Universidade do Rio Grande do Sul. Faculdade de Agronomia e Veterinaria Revista 5:301-308. 1962.
- 68836 SCHLEITER, H. Klauenpflege bei Haustieren [Hoof care of domestic animals]. Ed. 3, rev. Leipzig, Hirzel, 1966. 108 p. SF757.S3
- 68837 SEBOVA, G. Nomography in T-test. (Cz) *Folia Vet.* 9(1/2):50-56. 1965. 41.8 F712
English summary.
Tuberculin test.
- 68838 SEPPALA, K. Y. Antibiotics in veterinary practice. (Fi) *Suomen Elainlaakarilehti* 72(3):91-94. Mar.1966. 41.8 F49
- 68839 SHIMIZU, K., and SHIOKAWA, H. Complement-fixing antigen of *Toxoplasma gondii* derived from tissue-cultured organisms and fluid. *Jap. J. Vet. Sci.* 27(6):295-304. Dec.1965. 41.8 J27
- 68840 SMITH, E. S. O. A perspective for prophylaxis against rabies. *Can. J. Public Health* 57(3):129-130. Mar.1966. 449.8 P964
- 68841 SOBEK, B. Test with the mechanization of the veterinary services. (Cz) *Veterinarstvi* 15(11):506-509. 1965. 41.8 V6439
- 68842 SOLUN, A. S. Better education for veterinary technicians. (Rus) *Vestnik Sel'skokhoz. Nauk. [Moscow]* 2:146-147. Feb.1966. 20 V633
- 68843 SPREULL, J. S. A. Surgery. *Brit. Vet. J.* 122(4):155-157. Ref. Apr.1966. 41.8 V643
Listing of books.
- 68844 SUKHOMLINOV, B. F., and others. Electrophoretic and chromatographic analysis of soluble proteins in mammary gland tissues of farm animals. (Rus) *Resp. Nauchn. Konferentsiya po Fiziol. i Biokhimi S.-Kh. Zhivotnykh*, 1964, 3:368-369. 1964. Not in Libr.
V. V. Evminov, R. I. Gaiduk, and E. V. Osechinskaya, joint authors.
Cattle, swine, and sheep.
Abstracted in Ref. *Zh. Biol. Khim.* 19:130-131. Oct.10,1965. 241.7 R252
- 68845 SUNDBERG, T. Care of livestock health. (Sw) *Uppsala. Lans Hushallningssallsk. Handl.* 147:41-42. 1965. 11 Up6
- 68846 SVEHAG, S. E. Bat rabies, Aleutian disease of mink, etc.—some observations on a trip to USA. (Sw) *Svensk Veterinartidn.* 18(5):154-157. Mar.1966. 41.9 Sv23
- 68847 SYMPOSIUM ON THE USE OF RADIOISOTOPES IN ANIMAL NUTRITION AND PHYSIOLOGY, PRAGUE, 1964. Radioisotopes in animal nutrition and physiology; proceedings. Vienna, 1965. 874 p. Ref. (International Atomic Energy Agency. Proceedings Series). QH324.3.S9
Jointly organized by the International Atomic Energy Agency and the Food and Agriculture Organization of the United Nations.
- 68848 SZEMEREDI, GY., KEMENES, F., and VIZY, L. Rapid slide test for the detection of *Leptospira pomona* infection. (Hu) *Magyar Allatorv. Lapja* 21(4):161-162. Ref. Apr.1966. 41.8 V644
English summary.
- 68849 TASSELLI, E. Serological assay for leptospirosis among slaughterers in the province of Foggia. *Vet. Ital.* 16(11/12):775-777. Nov./Dec.1965. 41.8 C87
Text also in Italian, p.769-774.
- 68850 TRACH, V. N. Places of habitat of *Strongylus* worms in the gastro-intestinal tract of domestic ruminants. (Rus) *In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy che-loveka i zhivotnykh*, p.279-282. Ref. 1965. 436 K544
- 68851 TRIOLA, P. DE LA. Minor surgery on farms. (Sp) *Cult. Mod.* 48(10):361-362. Oct.1965. 15 C89

- 68852 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 15: parasite-subject catalogue. Parasites: protozoa, by J. M. Humphrey and D. B. Segal, with the assistance of M. I. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 57 p. 1 An5Ind
- 68853 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State-Federal Brucellosis Eradication Program, statistical tables, fiscal year 1965. Washington, 1965. 7 p. A41.9 R317Cb
Cattle, goats, and swine.
- 68854 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Duties and responsibilities of accredited veterinarians. U. S. Agr. Res. Serv. ARS 91-6-3, 32 p. Feb. 1966. A41.9 R315Ar
- 68855 VETERINAR kalender [Veterinary almanac], 1966. Norrköping, 1966. 80 p. 41.8 V6442
- 68856 VISNAPUU, L. YU., and REINET, YA. YU. Use of aerosols and electroaerosols. (Rus) Veterinariya 3:98-99. Mar. 1966. 41.8 V6426
In veterinary medicine.
- 68857 VOHRADSKY, F. Verification of mathematical, statistical and graphical methods in evaluating veterinary findings of slaughtered animals. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(8):495-508. Ref. Aug. 1965. 41.9 C333
English summary.
- 68858 VOS, N. R. DE. Vergelijkende studie van de arteries van het voorste lidmaat bij de huisdieren [Comparative study of the arteries of the foreleg of domestic animals]. Ghent. Rijks-univ. Veeartsenijsch. Meded. 8(3), 176 p. Ref. 1964. 41.9 G34
- 68859 WALZL, H., HUNYADY, G., and RADU, N. Tests with a gamma globulin preparation. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(9):172-175. May 1, 1966. 41.8 B45
English summary.
- 68860 WERNER, H. On the histological demonstration of Toxoplasma gondii (trophozoite and proliferation forms) in animal and man with special consideration of the generative organs. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I. Orig. 199(2):233-257. Ref. 1966. 448.3 C33
English summary.
- 68861 WESTERMARCK, H. The pharmacotherapy of antibiotics. (Fi) Suomen Eläinlääkärilehti 72(3):87-90. Mar. 1966. 41.8 F49
- 68862 WINKENWERDER, W., and MITSCHERLICH, E. The uniform designation of O antigens of vibrios isolated from domestic animals. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I. Orig. 199(2):213-126. Ref. 1966. 448.3 C33
English summary.
- 68863 WOELFFER, E. A. "Stones" in urinary system. Hoard's Dairyman 111(10):669. May 25, 1966. 44.8 H65
- 68864 YAMAKAWA, T., and NISHIMURA, S. Cerebroside composition in animal brain. Jap. J. Exp. Med. 36(1):101-102. Feb. 1966. 448.8 J272
Includes domestic animals.
- 68865 THE YEAR book of veterinary medicine. Vol. 3, 1966, edited by W. F. Riley, K. W. Smith, and R. J. Flynn. Chicago, 1966. 460 p. 41.8 Y3
Abstracts of journal literature.
- 68866 ZEILLER, P. The problem of hospitalism in veterinary surgery. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(9):164-167. May 1, 1966. 41.8 B45
English summary.
Possibility of bacterial infections.
- 68867 ZEROBIN, K. Synchronization of cycle in small domestic animals. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:40-42. 1966. 49.9 Sch92
Includes effects of various hormones on swine, sheep and goat.
- 68868 ZHEREBTSOV, P. I. The use of radioisotopes to study the metabolism and feeding processes of farm animals. (Rus) Radioisotop. Anim. Nutr. Physiol. Proc. 1964:837-850. 1965. QH324.3.S9
English summary.
- 68869 ZLOTNIK, I., and RENNIE, J. C. Experimental transmission of mouse passaged scrapie to goats, sheep, rats and hamsters. J. Comp. Pathol. 75(2):147-157. Apr. 1965. 41.8 J82

MISCELLANEOUS

- 68870 BEHRENS, H. Environment and animal hygiene. (Ge) Prakt. Tierarzt 47(5):211-214. May 1, 1966. 41.8 P882
- 68871 BIRO, I. Advisory services in animal husbandry. (Hu) Magyar Mezőgazdaság 21(15):18-20. Apr. 13, 1966. 19 M27
- 68872 BOICE, R. G. Livestock management. J. Range Manage. 19(2):98-100. Mar. 1966. 60.18 J82
- 68873 CALZONI, A. The stopover stall, an important beginning in the field of livestock raising. (It) Agr. Spezia 13(7):131-132. July 1965. 16 Ag8229
Place where animals imported for breeding are cared for and selected by breeders.
- 68874 CAMPBELL, C. Torts—motor vehicles—liability for killing livestock. Natur. Resources J. 6(2):306-315. Ref. Apr. 1966. L9 N19
- 68875 GOTHE, E. D. Investigations on the disinfecting action of Sokrena 113 under practice conditions. (Ge) Arch. Lebensmittelhyg. 17(3):62-65. Mar. 1966. 41.8 L49
Application on Salmonella control in slaughterhouses.
- 68876 HERDEA, V. Scientific research in animal husbandry and poultry raising. 9 p. (JPRS 25,215; OTS 64-31542) Transl. 14129
At the Institutul de Cercetari Zootehnice in Bucharest.
Translation from Lupta de Clasa 4:69-83. Apr. 1964.
CFSTI: \$0.50.
- 68877 HISLOP, G. K. Predators, the rancher, and the public. Nat. Wool Grower 55(5):8-10. May 1966. 45.8 N21N
- 68879 JOHNSTON, J. E. Animal production problems in the developing countries and the role of radioisotopes in their solution. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:851-860. 1965. QH324.3.S9
Especially the problem of proteins for animal and human nutrition.
- 68879 KESTEVEN, K. V. L. Good animal management: key to a treasure chest of proteins. Freedom Hunger 6(38):9-11. Sept./Oct. 1965. 389.8 F872
Sanitation.
- 68880 KORKMAN, N. Importance of the livestock inspection work in the improvement of agriculture. (Sw) Hushallningssällsk. Tidskr. 32(6):131-133. 1965. 11 H9522
- 68881 MANIAS, TH. Slaughterhouses and regulation of livestock products. (Gre) Delt. Agrotikes Trapezes 145:26-31. July/Aug. 1965. 21.7 D38
- 68882 MCMILLAN, C. W. Implementing the theme; livestock producers. Livestock Conserv. Proc. 1965:16-18. 280.3409 L75A
Sanitation.
- 68883 MEHES, GY., and MAKÓ, I. Slaughterhouse reconstruction. I. Veterinary hygienic considerations in designing and running slaughterhouses. (Hu) Husipar 15(2):49-56. Mar./Apr. 1966. 50.8 H95
English summary.
- 68884 NANDA, P. N. Management of camels. Indian Farming 15(12):38-42. Mar. 1966. 22 In283
- 68885 NIELSEN, T. P. Barn climate problems. (Da) Danske Dyrægefor. Medlemsbl. 49(10):426-428. May 15, 1966. 41.9 D23

- 68886 OSCARSSON, G. Organization of animal husbandry research. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 73:30-36. 1965. 11 Up62A
- 68887 PHILLIPS, R. T. Humane interests. Livestock Conserv. Proc. 1965:27-29. 280.3409 L75A Care and protection.
- 68888 SAINSBURY, D. W. B. Animal husbandry. Brit. Vet. J. 122(4):151-152. Apr.1966. 41.8 V643 Publications.
- 68889 SCHWEIZERISCHE VEREINIGUNG FUR TIERZUCHT. Neue Forschungs- und Untersuchungsergebnisse auf dem Gebiete der Schweizerischen Tierproduktion; Kurzvorträge anlässlich der Sommertagung, vom 2/3 July 1965 [New research and investigation results in the field of Swiss animal production; short addresses in connection with the summer meeting on July 2/3, 1965]. Schweiz. Ver. Tierzucht. Schr. 34, 48 p. Ref. 1966. 49.9 Sch92
- 68890 STEPHAN, E. Application possibilities of experimental biometric work methods in animal husbandry; summary review. (Ge) Deut. Tierarztl. Wochenschr. 73(6):135-137. Mar.15, 1966. 41.8 D482
- 68891 TRIANTOPOULOS, E. Slaughterhouses and sanitary meat. (Gre) Delt. Agrotikes Trapezes 144:34-36. May/June 1965. 21.7 D38
- 68892 WHITTENBURG, B. 4-H livestock. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:44. 275.29 AL1Su
- 68893 WOLDMAR, G. Animal husbandry. (Sw) Uppsala. Lans Hushallningssallsk. Handl. 147:34-40. 1965. 11 Up6
- CATTLE**
- Breeds and Breeding
- 68894 AALBERS, J. G. The contributions of the epididymis and the main accessory glands to ejaculates of bull semen. Int. J. Fertil. 11(1,pt.1): 7-13. Ref. Jan./Mar.1966. 442.8 In83
- 68895 AEHNELT, E., and HAHN, J. Estimation of fertility and selection for fertility in bulls. (Ge) Zuchtungskunde 38(1/2):71-83. Ref. Jan./Feb.1966. 49 Z8 English summary.
- 68896 AILLET, F. Introduction of the Canadian "Holstein" dairy cow in France. (Fr) Econ. Agr. 1: 18-23. Jan.1966. HD1945.A1E2
- 68897 AINSLIE, K. S. The problem of cattle breeding in Rhodesia. (Ge) Tierzuchter 18(7):220-222. Apr.5,1966. 49 T445 Southern Rhodesia.
- 68898 AVELSFORENINGEN FOR SVENSK ROD OCH VIT BOSKAP. Berattelse [Report of the Association for the breeding of Swedish Red and White Cattle], 1965. Hallsta, 1966. 23 p. 43.9 Av32B
- 68899 BACVANSKI, S., PAVLOVIC, M., BOJOVIC, T. Study of milking rate, amount and composition of milk from different quarters of udder of Black Pied Lowland and Yugoslavian Simmental. (Se) Savremena Poljoprivreda 13(11): 931-942. Nov.1965. 21 P75 English summary.
- 68900 BAKER, F. H. BCI [beef cattle improvement]-champion in beef industry. Ext. Serv. Rev. 37(4):13. Apr.1966. 1 Ex892Ex Extension programs.
- 68901 BHATIA, H. M. Animal husbandry research: I. Animal breeding: live-weight, draught capacity and sterilization methods. Indian Farming 15(12):43-45. Mar.1966. 22 In283 Cattle.
- 68902 BISWAL, G., DAS, L. N., and MISHRA, D. B. Comparative histological study of pituitary and pineal glands of the bull and the bullock. Indian Vet. J. 43(4):294-302. Ref. Apr.1966. 41.8 In2
- 68904 BLAHOS, K., and PASHALERE, E. Length of time before inseminating cows following calving and their of conception. (Gre) Hellen. Kteniatrike Hetaireia. Delt. 16(57/58):28-31. Ref. Jan./June 1965. 41.9 So18 English summary.
- 68905 BOGDANI, D., and DIZDARI, P. On some problems of pedigree improvement and raising of the reproductive level of cattle. (Al) Bul. Shkencave Bujqesore 1:72-84. 1966. 21.5 B87 English summary. Includes cross-breeding.
- 68906 BRANNANG, E. Carcass composition of our cattle breeds. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 75:46-55. 1965. 11 Up62A
- 68907 BRETH, F. E. Artificial insemination the American way. (No) Norsk Landbruk 22:16-17. Nov.5,1965. 11 N8122 American Breeders' Service.
- 68908 BURLAKOV, N. An economic appraisal of the various breeds of milk cows. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:38-52. Jan.21,1965. (JPRS 28,398) 173 J663Tso Translation from Ekonomika Sel'skogo Khozyaystva 9:92-100. 1964. Issued by CFSTI.
- 68909 BUTCHER, D. F. The effect of selection on estimates of genetic parameters. Diss. Abs. 26(10):5626. Apr.1966. 241.8 M58 Dairy cattle.
- 68910 CAMPOS, J. Livestock in Argentina. (Sp) Indus. Lacteas 15(5):8-9. May 1966. 286.85 In83 Chiefly artificial insemination of cattle and use of electric fences.
- 68911 CARROLL, E. J., and HOERLEIN, A. B. Reproductive performance of beef cattle under drought conditions. Amer. Vet. Med. Ass. J. 148(9):1030-1033. Ref. May 1,1966. 41.8 Am3 Poor feeding.
- 68912 DEXTER CATTLE SOCIETY. The Dexter herd book. Volume 65, 1965. Lewes, Sussex, 1965. 62 p. 43.9 En32
- 68913 DIENER, H. O. Is our multiple-purpose breeding goals still up-to-date? (Ge) Tierzuchter 18(8):240,242. Apr.20,1966. 49 T445 Cattle.
- 68914 EKMAN-BJARESTEN, I. Baby beef calves in crossbreeding with SKB. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 75:62-65. 1965. 11 Up62A
- 68915 FEDKO, V. P. Planning of cows' calvings, using linear programming, to achieve regular milk production. (Rus) Zhivotnovodstvo 4:64-66. Apr.1966. 49 Z6
- 68916 FOSGATE, O. T. Rate, age, and criteria for disposal in a herd of registered Jersey cattle. J. Dairy Sci. 48(11):1481-1484. Nov.1965. 44.8 J822
- 68917 GAILLARD, A. Weight gain and growth in the Swiss Brown bull. (Fr) Schweiz. Ver. Tierzucht. Schr. 34:20-21. 1966. 49.9 Sch92
- 68918 GAILLARD, C. The reliability of short test performances for progeny testing of service bulls. (Ge) Schweiz. Ver. Tierzucht. Schr. 34: 6-10. 1966. 49.9 Sch92 Heritability study.
- 68919 GEHLE, H. S. J. Improve your beef cattle. 2. Selection of breeding animals. Farming S. Afr. 42(1):56-58. Apr.1966. 24 So842
- 68920 GENZKEN, O. Method for semen freezing preparation "in distance" within the frame of nitrogen deep freezing experiments. (Ge) Tierarztl. Umsch. 21(4):175-177. Apr.1,1966. 41.8 T445 Cattle.
- 68921 GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Bull buyer's guide. Ga. Univ. Ext. Circ. 553,6 p.-folder. Feb.1966. 275.29 G29C

- 68922 GOFFAUX, M. Effects of motile inseminated sperm number on the fertilizing ability of frozen bull sperm. (Fr) *Ann. Zootech.* 14(4): 409-415. 1965. 49 F84
English summary.
- 68923 GOSWAMI, S. B., and NAIR, A. P. Studies on "off season calving" of the Indian water buffalo. II. *Indian J. Dairy Sci.* 18(3):104-108. Sept. 1965. 44.8 In28
- 68924 HADI, M. A. Environmental factors causing variations in gestation period of Deoni cattle in Maharashtra State. *Indian Vet. J.* 43(3): 232-236. Ref. Mar. 1966. 41.8 In2
- 68925 HAHN, R. Dilution degree of bull semen in nitrogen deep freezing experiments. (Ge) *Tierarztl. Umsch.* 21(4):164,167-171. Apr. 1, 1966. 41.8 T445
- 68926 HAJÓVSKA, B., JANTOSOVICOVA, J., and VRZGULOVA, M. Anastomoses between the arteries of the epididymis and the testes of bulls. (Cz) *Folia Vet.* (1/2):157-163. Ref. 1965. 41.8 F712
English summary.
- 68927 HARDOUIN, J. Results of half a century of selection and crossbreeding between European and Zebu cattle at Thibar (Tunisia). (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.) 19(1): 63-86. 1966. 41.8 R3262
English summary.
- 68928 HARVILLE, D. A. The adjustment of New York State A.I. dairy sire proofs for the environmental and genetic trends, for the genetic merit of the daughters' herd mates, and for the genetic merit of the daughters' dams. *Diss. Abs.* 26(10):5727-5628. Apr. 1966. 241.8 M58
- 68929 HASEK, A., and others. Study of measures for the reduction of fluorosis of the fattened bulls. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(10):605-614. Ref. Oct. 1965. 41.9 C333
J. Nabozny, E. Hluchan, and E. Blaho, joint authors.
English summary.
- 68930 HEROLD, I. Biological possibilities for increasing milk protein production in the Hungarian Red Spotted cattle. (Hu) *Debreceni. Agrartud. Foisk. Tud. Ulesszaknak. Eloadasai* 1964:83-98. Ref. 105.9 D354
German summary.
- 68931 HOFFMANN, B. Untersuchungen über tryptische Enzymaktivitäten in Geschlechtssekreten von Bullen [Studies on tryptic enzyme activities in the sex secretions of bulls]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 10,89 p. 1965. 41.2 M9222
Bibliography, p.80-89.
- 68932 HOFLINGER, G. Untersuchungen über den Einfluss von Methylthiouracil, Nortestosteron-anthrat, Ostradiolundezylat und Testosteron-anthrat auf die Spermatogenese beim Bullen [Studies on the effect of methylthiouracil, nortestosterone enanthate, estradiol undecylate and testosterone enanthate on the spermatogenesis of bulls. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 11,39 p. Ref. 1965. 41.2 M9222
English summary.
- 68933 HOLL, C. The economic effect of cattle breeding under the conditions of technical insemination. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocis-na Vyroba* 39(2):71-86. Feb. 1966. 49.9 C33
English summary.
Chiefly effect on milk and meat production.
- 68934 HOWELL, F. W. Selection reverses weaning weight trends. *Ext. Serv. Rev.* 37(4):12-13. Apr. 1966. 1 Ex892Ex
Montana.
- 68935 HULTNAS, C. A. Experiments with pelletized semen in Sweden. (Ge) *Tierzuchter* 18(8):2C1. Apr. 20, 1966. 49 T445
Cattle.
- 68936 JOHRI, P. N., and SINHA, R. R. P. Studies on the effect of incorporating calcium supplements in rations containing khesari (*Lathyrus sativa*) grains on mineral balances in Bachaur bulls. *Indian Vet. J.* 43(2):150-153. Ref. Feb. 1966. 41.8 In2
- 68937 KEITH, T. L. A breed that is popular and in great demand: Santa Gertrudis. (Sp) *Tierra [Mexico]* 20(11):876,920. Nov. 1965. 8 T445
- 68938 KOLESOV, A. M., KOLESOVA, N. I., and ROZHKOV, YU. P. Vitamin and mineral deficiency in bulls. (Rus) *Veterinariya* 3:68-72. Mar. 1966. 41.8 V6426
- 68939 KONONOV, G. A. Use of endometrium biopsy for diagnosis of sterility in cows. (Rus) *Veterinariya* 3:91-93. Mar. 1966. 41.8 V6426
- 68940 KRISZTIAN, L. Hundred thousand calves from one bull. (Hu) *Magyar Mezogazdasag* 21(19): 16-17. May 11, 1966. 19 M27
- 68941 LINDHE, B. Final report on the extensive part of the SRB cross breeding experiment. (Sw) *Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk.* 75:56-61. 1965. 11 Up62A
- 68942 MATVEEV, L. V. Ruptures of the third fibular muscle in bulls. (Rus) *Veterinariya* 3:74-75. Mar. 1966. 41.8 V6426
- 68943 MIKULAS, L. Records on the health and fertility of bulls for reproduction. (Cz) *Veterinarstvi* 16(1):31-35. 1966. 41.8 V6439
- 68944 MILICEVIC, D. A contribution to the study of seasonal variations of sperm quality in bulls. (Se) *Veterinaria [Sarajevo]* 14(1):31-44. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 68945 MUKHERJEE, D. P., and SINGH, S. P. Breed differences in characteristics of bull spermatozoa. *Indian J. Vet. Sci. Anim. Husb.* 35(3): 213-220. Ref. Sept. 1965. 41.8 In22
- 68946 NAIDU, K. N., and DESAI, R. N. Genetic studies on Holstein-Friesian × Sahiwal cattle for their suitability in Indian tropical conditions as dairy animals. I-II. *Indian J. Vet. Sci. Anim. Husb.* 35(3):197-212. Ref. Sept. 1965. 41.8 In22
- 68947 NICHOLS, C. W. A beef cattle improvement manual. *Okl. State Univ. Ext. Circ.* E-779, 31 p. Apr. 1966. 275.29 Ok41C
Breeding.
- 68949 NIKITIN, V. YA. The most efficient terms of cow insemination. (Rus) *Veterinariya* 3:89-91. Mar. 1966. 41.8 V6426
- 68949 NORDISKA AVELSFORENINGEN FOR BIFFRASER. *Stambok [Herdbook]*, v. 2. Tamlilla, 1965. 126 p. 43.9 N75
- 68950 NOSKER, D. Illinois reports observations on high-urea supplement studies. *Feedstuffs* 38 (18):40,122d-123. May 7, 1966. 286.81 F322
For fattening beef cattle.
- 68951 OGER, Y. Calving. (Fr) *Agr. Prat.* 129(7): 22-23. July 1965. 14 J82
- 68952 OSETROV, A. A., and others. Microbial contamination of vagina in artificially inseminated cows. (Rus) *Veterinariya* 3:94-95. Mar. 1966. 41.8 V6426
A. M. Tsymbal, K. N. Zhadovest, F. I. Ostashko, V. A. Chirkov, and N. P. Podgorodetskii, joint authors.
- 68953 OSTASHKO, F. I., and CHIRKOV, V. A. Testing of some polymers for toxicity for semen of bulls sires. (Rus) *Zhivotnovodstvo* 4:62-63. Apr. 1966. 49 Z6
- 68954 PANDZA, F. A contribution to the study of the udder of Black Pied Lowland and Simmental cattle kept on farms "Mladen Stojanovic," Nova topola, and "Semberia," Bijeljina, with particular reference to the suitability for machine milking. (Se) *Veterinaria [Sarajevo]* 14(3):331-346. 1965. 41.8 V6492
English summary.
Excerpt from thesis.
- 68955 PARIZEK, M. Causes of the slow increase of reproduction of Czechoslovak dairy cattle. (Cz) *Veterinarstvi* 16(2):57-58. 1966. 41.8 V6439
- 68956 PEARSON, J. R., and MARTIN, R. P. Biliary metabolites of 17 beta-estradiol-4-¹⁴C in the bull. *Endocrinology* 78(5):914-918. Ref. May 1966. 448.8 En2

- 68957 POPESKO, P. Arteries of the testes of bulls. (Cz) *Folia Vet.* 9(1/2):137-146. Ref. 1965. 41.8 F712
English summary.
- 68958 PRAT, J. DE. Artificial insemination of cattle in Galicia. (Sp) *Cult. Mod.* 49(4):151-152. Apr.1966. 15 C89
- 68959 RAI, G. S. Season of calving in buffalo heifers and cows maintained in villages and government farms. *Indian Vet. J.* 43(3):228-281. Mar.1966. 41.8 In2
- 68960 RAKO, A., and SVIBEN, M. Genetics in the increase of meat production of cattle. (Se) *Stocarstvo* 19(11/12):421-438. Ref. Nov./Dec. 1965. 43.8 St6
- 68961 REICHEN, F. Observations of F₁ calves from crossing of Simmental Spotted cattle with one-sided meat races. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:13-15. 1966. 49.9 Sch92
Weight studies.
- 68962 HENDEL, J. Reasons for high heritability assessment studied with twins. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 75: 82-86. 1965. 11 Up62A
Cattle.
- 68963 RITTLER, A., WERKMEISTER, F., and FEWSON, D. Studies on the testing of bulls for fattening performance and carcass quality on central stations. (Ge) *Zuchtungskunde* 38(1/2): 1-10. Jan./Feb.1966. 49 Z8
English summary.
- 68964 RIVERA BRENES, L., and CABRERA, J. I. Comparison of Charbray, Brangus, Brahman (zebu) bull breeds and a common group in a second pasture feeding experiment on Pangola grass. (Sp) P. R. (Rio Piedras) *Agr. Exp. Sta. Bull.* 195,12 p. Aug.1965. 100 P83
English summary.
Common group consists of Brahman and dairy-breed crosses.
- 68965 ROMANOWSKI, The effect of show condition on A.I.-bulls. (Ge) *Tierzuchter* 18(7):205-206, 208. Apr.5,1966. 49 T445
- 68966 SIMON, E. Application of nose rings to bulls on large farms. (Hu) *Magyar Allatorv. Lapja* 21(4):182-183. Apr.1966. 41.8 V644
- 68967 SOMMERKAMP, G. Experiences with pasture-fed bulls. (Ge) *Tierzuchter* 18(8):243-244. Apr.20,1966. 49 T445
- 68968 ROSE, F. A. Heritability of persistency and the genetic relationship of persistency with production traits. *Diss. Abs.* 26(10):5628. Apr.1966. 241.8 M58
Dairy cattle.
- 68969 ROUSSEL, J. D., and STALLCUP, O. T. Activity of lactic dehydrogenase and its isozymes in bovine semen. *J. Dairy Sci.* 48(11):1506-1510. Ref. Nov.1965. 44.8 J822
- 68970 SHARON, J. Wean calves early; then what? *Doane's Agr. Rep.* 29(14):8-9,11-12. May 8, 1966. 281.8 D652
- 68971 SINGH, H. Treat breeding bull with care. *Intensive Agr.* 2(11):2-4. Jan.1965. 22 In8
India.
- 68972 SINGH, O. N., SINGH, R. N., and SRIVASTAVA, R. R. P. Study on post-partum interval to first service in Tharparkar cattle. *Indian J. Vet. Sci. Anim. Husb.* 35(3):245-248. Sept.1965. 41.8 In22
- 68973 SINGH, S. B., DUTT, M., and DESAI, R. N. Persistency of milk yield in Haryana cattle. *Indian J. Vet. Sci. Anim. Husb.* 35(3):249-257. Ref. Sept.1965. 41.8 In22
- 68974 SJODIN, E. Watching for elite cows is an essential link in the breeding work. (Sw) *Var Naring* 42(6/7):165,181. 1965. 44.8 M692
- 68975 SONI, B. K., and BHALLA, R. C. How to know if your herd breeds well. *Indian Farming* 15 (12):13-14. Mar.1966. 22 In283
Cattle.
- 68976 SPRIVULIS, R., and HAWLEY, K. Calving and conception of dairy cows; Denmark survey. *Dairy Notes* 3(1):6-7. Jan.1966. 44.8 D1439
Effects of time interval.
- 68977 STALLCUP, O. T., and ROUSSEL, J. D. Development of the lactic dehydrogenase enzyme system in the tests and epididymis of young dairy bulls. *J. Dairy Sci.* 48(11):1511-1516. Nov. 1965. 44.8 J822
- 68979 STARTSEV, D. D. On the organization and methods for heredity value testing of breeder bulls. 8 p. *Transl.* 15137
Translation from *Tierzucht* 18(6):285-288. June 1964.
- 68979 SUNDARESAN, D., GURNANI, M., and SIDHU, S. P. Evaluation of breeding value of bulls used in two herds in India. *J. Dairy Sci.* 48(11):1498-1505. Ref. Nov.1965. 44.8 J822
- 68980 SUNDARESAN, D., PURI, T. R., and GURNANI, M. Method of sire evaluation for milk production on Indian farms. *J. Dairy Sci.* 48(11):1494-1497. Nov.1965. 44.8 J822
- 68981 TILLE, P. Intrauterine Behandlung umrindern der Tiere mit Tardomyocel-Leukomycin-Marbadal-Kombinationen und Tardomyocel-M-Suspension in Verbindung mit der Sameneinführung [Intrauterine treatment of sterile animal with Tardomyocel-Leukomycin-Marbadal combinations and Tardomyocel-M-suspension in connection with insemination]. Hanover. *Tierarztl. Hochsch. Inaug.-Diss.* 10,103 p. 1965. 41.2 H198
Bibliography, p.93-103.
Cattle.
- 68982 TOMAR, N. S., and others. An in vitro study of undiluted bovine semen. *Indian Vet. J.* 43(4): 340-344. Apr.1966. 41.8 In2
C. B. Johari, V. S. Misra, and B. Singh, joint authors.
Keeping quality and properties.
- 68983 TURTON, J. D. The Charolais and its use in cross-breeding. *S. Pacific Bull.* 16(1):29-31. First Q.1966. 280.8 So89
- 68984 VINNICHUK, D. T. Heredity of some conformation measurements in simmental cattle. (Rus) *Zhivotnovodstvo* 4:63. Apr.1966. 49 Z6
- 68985 VOLKOBOL, M. F., SAVCHUK, D. I., and LISOVENKO, A. S. Prophylaxis of arthrosis in bulls. (Rus) *Veterinariya* 3:73-74. Mar.1966. 41.8 V6426
- 68986 VOROB'EV, A. V., and ZAVIL'GEL'SKII, B. D. Ayshire cattle on the stud farm No. 1 in the Moscow region. (Rus) *Zhivotnovodstvo* 4:49-53. Apr.1966. 49 Z6
- 68987 VRZGULOVA, M., HAJOVSKA, B., and JANTOSOVICOVA, J. The occurrence of arteria accessoria testis in the testes of bulls. (Cz) *Folia Vet.* 9(1/2):165-171. Ref. 1965. 41.8 F712
English summary.
- 68989 WENIGER, J. H., and others. The role of beef quality in progeny tests for fattening performance and carcass value on stations. (Ge) *Zuchtungskunde* 38(1/2):50-64. Ref. Jan./Feb. 1966. 49 Z8
K. Herbst, D. Steinhof, and G. H. M. Pahl, joint authors.
English summary.
- 68989 WINNIGSTEDT, R. Reflections on the problems of breeding goal of Black Pied and Red Pied cattle. (Ge) *Tierzuchter* 18(8):236,238. Apr.20,1966. 49 T445
- 68990 WITT, M. The desired conformation in dairy cows. (Ge) *Zuchtungskunde* 38(1/2):38-49. Jan./Feb.1966. 49 Z8
English summary.
- 68991 ZELFEL, S. Twenty years of development in cattle herdbook breeding. (Ge) *Tierzucht* 20 (4):182-185. Apr.1966. 49 T443

Feeds and Feeding

- 68992 AGUILAR, T. S., ROJAS, S. W., and CARRASCO, A. Use of Pangola grass and concentrates in the growing and fattening of Zebu-crossed steers in the Central Huallaga. (Sp) *An. Cient.* 2(1):59-67. Ref. Jan./Mar.1964. 9.8 An1
English summary.

- 68997 AMBLE, V. N., and others. Milk production of bovines in India and their feed availability. *Indian J. Vet. Sci. Anim. Husb.* 35(3):221-238. Sept.1965. 41.8 In22
V. V. R. Murty, K. V. Sathe, and B. P. S. Goel, joint authors.
- 68994 AMICK, R. J., ELROD, J. C., and MCCULLOUGH, M. E. Minimum cost dairy rations for Georgia. *Ga. Agr. Exp. Sta. Bull.* (n.s.)150, 18 p., map. Dec.1965. 100 G293B
Includes linear programming.
- 68995 BARTLE, E., and VOELKER, H. Silages fortified with soybeans. *S. Dak. Farm Home Res.* 17(1):16-18. Winter 1966. 100 So82S
Comparisons of corn, sorghum, and soybean combinations in relation to milk production.
- 68996 BELTRAN, F. Mineral yields and milk yield. (Sp) *Tierra [Mexico]* 21(1):32,78. (Cont.) Jan. 1966. 8 T455
Minerals in cattle nutrition affecting milk production.
- 68997 BLACK, R., and JENSEN, H. R. High-moisture vs. dry barley on typical Red River Valley cash grain farms. *Minn. Agr. Exp. Sta. Sta. Bull.* 481:23 p. 1966. 100 M35
Harvesting, storage, feeding to steers.
- 68998 BENZ, J. J. A comparison of complete feeds for lactating dairy cows. *Feedstuffs* 38(18):111-112. May 7, 1966. 286.81 F322
- 68999 BROWN, W. H. Comparison of milo and barley for lactating cows. *J. Dairy Sci.* 49(4):386-391. Ref. Apr.1966. 44.8 J822
J. W. Stull, F. O. Dafaala, and P. W. Riley, joint authors.
- 69000 BROWNING, C. B., and MCGEE, W. H. Extra grain doubled their daily gains. *Hoard's Dairyman* 111(10):641. May 25, 1966. 44.8 H65
Heifers fed on pasture.
- 69001 BUTTERFIELD, R. M. The effect of nutritional stress and recovery on the body composition of cattle. *Res. Vet. Sci.* 7(2):168-179. Ref. Apr. 1966. 41.8 R312
- 69002 CAMPLING, R. C. The intake of hay and silage by cows. *Brit. Grassland Soc. J.* 21(1):41-48. Ref. Mar.1966. 60.19 B773
- 69003 CSOMOS, Z. Use of fall forage mixtures in the dairy farms. (Hu) *Magyar Mezogazdasag* 21(17):15. Apr.27, 1966. 19 M27
- 69004 DELJS, W. B., and IMMINK, H. J. Voorschrift voor het onderzoek van lipiden in ruwvoer en in faeces van runderen [Directions for the investigation of lipides in roughage and feces of cattle]. *Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Verslagen* 37,5 p. 1966. 60.9 W123V
- 69005 DENHAM, A. H., DAUTHERTY, F. C., and HINZE, G. O. Winter roughage rations for steer calves, 1964-65. *Colo. Agr. Exp. Sta. Colo. Progr. Rep.* 161,1 p. Aug.1965. 100 C71C
- 69006 DOLGE, K. L. Takes a bit of doing, but you can make early pasture pay. *Agway Coop.* 2(6):5. June 1966. 280.28 Ag9
For dairy cattle.
- 69007 DREWRY, K. J., and others. Summary of Forage Farm calf growth data. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 240,2 p. Apr.1966. 100 In2Res
L. L. Wilson, R. R. Garrigus, K. Hawkins, and C. J. Kaiser, joint authors.
- 69008 DYRENDAL, S. Milk substitutes for calves. (Sw) *Var Naring* 42(8):208-209. 1965. 44.8 M692
- 69009 EMERY, R. S. Old and new thoughts on feeding dairy cattle. *Feedstuffs* 38(21):54,56-57. May 28, 1966. 286.81 F322
Includes formulas.
- 69010 GARDNER, R. W. Make-it-yourself calf starter ration can be better, cheaper. *Progr. Agr. Ariz.* 18(1):26-27. Jan./Feb.1966. 6 P9452
- 69011 GASPARINI, G. Cattle pasturing. (It) *Agr. Spezia* 13(7):136-137. July 1965. 16 Ag8229
- 69012 GROOT, T. DE, and KEUNING, J. A. Investigation of the influence of very high nitrogen rates on the health and productivity of dairy cattle. (Du) *Stikstof* 5(49):20-27. Jan.1966. 57.9 St52
Nutritive value of fertilized pastures.
- 69013 HALLGREN, W. Influence of feed fat on quality of product and animal health. (Sw) *Var Naring* 42(4):103. 1965. 44.8 M692
Dairy cattle.
- 69014 HEINEN, A., and BAUDRAS, P. A conclusive experiment. (Fr) *Bull. Engrais* 486:7-12. Jan.1966. 57.8 B87
Feeding of beef cattle on pastures.
- 69015 HENTGES, J. F., and others. Replacement value of dried citrus meal for corn meal in beef cattle diets. *Fla. Agr. Exp. Sta. Tech. Bull.* 708,22 p. Ref. Mar.1965. 100 F66S
J. E. Moore, A. Z. Palmer, and J. W. Carpenter, joint authors.
- 69016 HOLMER, N. Don't let the cows run dry. (Sw) *Lantbrukstidskr. Jamtland Harjedalen* 18(3):21-22. 1965. 11 L293
Feeding.
- 69017 HUBER, J. T., and BOMAN, R. L. Effect of grain level and protein content of the grain for grazing cows on milk composition and yield, and certain blood and rumen constituents. *J. Dairy Sci.* 49(4):395-398. Ref. Apr.1966. 44.8 J822
- 69018 JUDEL, G. K. Grassland fertilization and cattle health. (Ge) *Prakt. Tierarzt* 47(4):157-158. Apr.1, 1966. 41.8 P882
In reference to article by Schohl.
Importance of minerals, especially magnesium, in milk production.
- 69019 KEMP, A., and GEURINK, J. H. Further information on the sodium requirement and sodium supply of lactating cows. (Du) *Tijdschr. Diergeneesk.* 91(9):580-613. Ref. May 1, 1966. 41.8 T431
English summary.
- 69020 KIDNER, E. M. Beef production. *Kenya Farmer* 109:28-31. Aug.1965. 24 R812
Effects of feeding.
- 69021 KUZDZAL-SAVOIE, S. Comparative study of the branched fatty acids of feeds and milk. (Fr) *Lait* 45(449/450):627-636. Ref. Nov./Dec.1965. 44.8 L143
English summary.
- 69022 KYLE, L. R., and HENDERSON, H. E. Cattle feeding today; what it costs, how it pays. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 23,21 p., map. 1965. 281.9 M5842
Beef cattle.
- 69023 LANGDON, J. Y. Production per cow; and cows per acre. *Dairy Notes* 3(1):10. Jan.1966. 44.8 D1439
Seasonal feeding pasture in Australia.
- 69024 LARSEN, H. J., and JOHANNES, R. F. Summer forage—stored feeding, green feeding, and strip grazing. *Wis. Agr. Exp. Sta. Res. Bull.* 257, 32 p. Ref. Oct.1965. 100 W75
Dairy cattle.
- 69025 LARSSON, A. F. G., and ALVARSSON, J. From veal calf to baby-beef. (Sw) *Gavleborgs Lans Hushallningssallsk. Lantbrukstidskr.* 42(1):21-25. 1966. 11 G24L
Feeding.
- 69026 LARSSON, L. H. How does silage quality influence the composition of feed formulas? (Sw) *Svensk Husdjursskotsel Ladugard.* 10:312-313. Oct.1965. 44.8 L12
Dairy cattle feeding.
- 69027 LINDNER, H., and SCHUCHARDT, W. Vitamins, building stone of life. III. Cattle feeding. (Ge) *Chem. Tech. Landwirt.* 17(3):80-82,84. Mar.1966. 384 C4292
- 69028 MEL'NICHUK, V. P., and SHIHSKINA, Z. S. Proper method for grazing young cattle on pastures. (Rus) *Zhivotnovodstvo* 4:14-17. Apr. 1966. 49 Z6
Includes effects on meat production.

- 69029 MENDOZA, H., ROJAS, S. W., and BACIGALUPO, A. Rations with raw anchovy, anchovy meal, and anchovy oil in the fattening of Brown Swiss crossed bullocks. (Sp) *An. Cient.* 2(1): 50-58. Ref. Jan./Mar.1964. 9.8 An1
English summary.
Peru.
- 69030 MILLER, R. W., and others. Effect of feeding buffers to dairy cows fed a high-concentrate, low-roughage ration. *J. Dairy Sci.* 48(11):1455-1458. Ref. Nov.1965. 44.8 J822
R. W. Hemken, D. R. Waldo, M. Okamoto, and L. A. Moore, joint authors.
- 69031 MONASTYREV, A. M. Use of milk substitutes in calf rearing. (Rus) *Zhivotnovodstvo* 4:68-70. Apr.1966. 49 Z6
- 69032 MURGUIA, J. Drought feeding of cattle. (Sp) *Asoc. Rural Urug.* [Rev.] 93(2):239-241,243. 1965. 9.9 As5
- 69033 NASHOLM, L. Fewer cows—higher yields in the north. (Sw) *Svensk Husdjursskotsel Ladugard.* 10:314-315. Oct.1965. 44.8 L12
Intensive feeding.
- 69034 NASLUND, S. Milk production in the barn. (Sw) *Norrbottnens Lantmannabl.* 7:130-132. Oct./Nov.1965. 11 N792
Feeding.
- 69035 NASLUND, S. We discuss silage feeding. (Sw) *Svensk Husdjursskotsel Ladugard.* 10:316-317. Oct.1965. 44.8 L12
Dairy cattle.
- 69036 NORRMAN, E. Intensive feeding of steers. (Sw) *Svensk Husdjursskotsel Ladugard.* 10:325-326. Oct.1965. 44.8 L12
- 69037 NORRMAN, E. Raising veal calves in Holland. (Sw) *Var Naring* 42(10):278-279. 1965. 44.8 M692
Chiefly feeding and care.
- 69038 OREGON. AGRICULTURAL EXPERIMENT STATION. Summary of reports, eighth annual beef cattle day. *Oreg. Agr. Exp. Sta. Spec. Rep.* 215,24 p. May 1966. 100 Or3M
Chiefly feeding and breeding.
- 69039 OREGON. AGRICULTURAL EXPERIMENT STATION. Summary of reports, livestock field day, Eastern Oregon Experiment Station, Union. *Oreg. Agr. Exp. Sta. Spec. Rep.* 217,16 p. May 1966. 100 Or3M
Chiefly feeding of beef cattle and sheep.
- 69040 ORTEGA, I. V. Feedlots for fattening. (Sp) *Tierra [Mexico]* 20(10):796,831. Oct.1965. 8 T445
Beef cattle.
- 69041 PEHRSON, B., and WALLIN, O. Relation between poor quality silage and acetonemia. (Sw) *Svensk Veterinartidn.* 18(5):151-153. Ref. Mar.1966. 41.9 Sv23
English summary.
Dairy cattle.
- 69042 PERRY, H. Corn silage is the only forage these dairymen feed. *Agway Coop.* 2(6):6-7. June 1966. 280.28 Ag9
- 69043 PERRY, T. W. Haylage, silage are discussed. *Feedstuffs* 38(18):32,146. May 7,1966. 286.81 F322
Summary of reports.
Nutritive value for beef cattle.
- 69044 RALEIGH, R. J., and WALLACE, J. D. Research in beef cattle nutrition and management; 1966 progress report. *Oreg. Agr. Exp. Sta. Spec. Rep.* 210,13 p. Mar.1966. 100 Or3M
- 69045 RAZDAN, M. N., BHOSREKAR, M. R., and RAY, S. N. Performance of calves reared on milk substitutes. *Indian J. Dairy Sci.* 18(3): 96-100. Ref. Sept.1965. 44.8 In28
- 69046 ROARK, C. B., HARRIS, H. E., and FEAZEL, J. K. Winter pasture for fattening feeder calves in the upland area of west Louisiana. *La. Agr. Exp. Sta. Bull.* 609,16 p. Mar.1966. 100 L93
- 69047 SANNE, S. Does molasses have a specific value in feed rations for dairy cattle? (Sw) *Svensk Husdjursskotsel Ladugard.* 10:321-322. Oct.1965. 44.8 L12
- 69048 SANNE, S. Feeding trials with concentrates for dairy cattle. (Sw) *Svensk Husdjursskotsel Ladugard.* 10:318-319. Oct.1965. 44.8 L12
- 69049 STEVENS, D. R. Range relationships of elk and livestock, Crow Creek drainage, Montana. *J. Wildlife Manage.* 30(2):349-363, map. Ref. Apr.1966. 410 J827
Cattle and sheep.
- 69050 SUDHOLT, H. The whole milk-exchanger—its development and importance. (Ge) *Unser Milchvieh* 18(4):1-3. Apr.1966. 43.8 Un7
In calf nutrition.
- 69051 TOULLEC, M. Fats in the feeding formula for the pruruminating calf. (Fr) *Indus. Aliment. Anim.* 169:31-32,35,37. Mar.1966. 389.78 In2
- 69052 VERBIC, J., and CEPIN, S. Raising calves on small rations of milk. (Se) *Stocarstvo* 19 (11/12):457-462. Ref. Nov./Dec.1965. 43.8 St6
German summary.
- 69053 WALDO, D. R., and others. Ruminant utilization of silage in relation to hay, pellets, and hay plus grain. II. Rumen content, dry matter passage, and water intake. *J. Dairy Sci.* 48(11): 1473-1480. Ref. Nov.1965. 44.8 J822
R. W. Miller, M. Okamoto, and L. A. Moore, joint authors.
Calves.
- 69054 WARD, G., and others. Effect of grinding forage sorghum heads on silage starch and energy digestibility. *J. Dairy Sci.* 48(11):1537-1538. Nov.1965. 44.8 J822
P. R. Narasimhalu, F. W. Boren V. L. Schneider, and G. E. Fairbanks, joint authors.
For cattle feeding.
- 69055 WARD, G. M., and others. Relation between dry matter content and dry matter consumption of sorghum silage. *J. Dairy Sci.* 49(4):399-402. Ref. Apr.1966. 44.8 J822
F. W. Boren, E. F. Smith, and J. R. Brethour, joint authors.
The cow's appetite.
- 69056 WARD, G. M., and MORRILL, J. L. Digestibility and nitrogen utilization of rolled and moist-heat-treated sorghum grains. *J. Dairy Sci.* 49 (4):392-394. Apr.1966. 44.8 J822
- 69057 WILSON, L. L., and others. Comparison of early weaning, creep feeding and non-creep feeding for fall calves at the Southern Indiana Forage Farm. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 238,4 p. Apr.1966. 100 In2Res
K. Hawkins, C. J. Kaiser, and R. E. Erb, joint authors.
Feeder calves.
- 69058 WITTHEN, B. Relations between cattle rearing and forage area. (Hu) *Gazdalkodas* 10(2):1-12. Apr.1966. 281.8 G25
English summary.
Feed base aspects.
- 69059 ZEREMSKI, D., and others. Effect of the net energy concentration of total ration on milk production and composition. *J. Dairy Sci.* 48 (11):1467-1472. Ref. Nov.1965. 44.8 J822
H. H. Van Horn, A. D. McGilliard, and N. L. Jacobson, joint authors.

Veterinary Medicine

- 69060 ABDEL-RAOUF, M., and BADAWI, H. M. Morphological study of uterine caruncles in Egyptian buffalo cows. *Zentralbl. Veterinar-med. Reihe A*, 13(3):252-263. Ref. Mar.1966. 41.8 Z5
- 69061 ALMANZA REYES, H. Trichomoniasis in cattle. (Sp) *Soc. Antioquena Agr. Bol. Agr.* 534:9808-9811. Dec.1964. 9.4 Sol
Colombia.
- 69062 ARKHANGELSKII, N. N., and STEPANOV, B. A. Phage typing pathogenic staphylococci isolated from cows' milk. (Rus) *Veterinariya* 3:27-29. Mar.1966. 41.8 V6426

- 69063 ARMSTRONG, D. T., and BLACK, D. L. Influence of luteinizing hormone on corpus luteum metabolism and progesterone biosynthesis throughout the bovine estrous cycle. *Endocrinology* 78(5):937-944. Ref. May 1966. 448.8 En2
- 69064 ASTRUP, H., and STEENBERG, K. The use of Cu^{64} in studies of copper content and oxidized flavour in milk. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:189-202. 1965. QH324.3.S9
- 69065 BACH, S., and HAASE, H. On the occurrence of a bone system disease in fattening bulls. I. (Ge) *Monatsh. Veterinarmed.* 21(5):167-171. Mar.1, 1966. 41.8 M742
English summary.
- 69066 BANERJEE, A. K. A study of the action of terramycin on the bacterial flora of the uterus in cattle following retained placenta. *Indian Vet. J.* 43(4):319-326. Apr.1966. 41.8 In2
- 69067 BARTH, K. M., and others. Effect of sodium chloride administration on iodine-131 retention in calves. *J. Dairy Sci.* 48(11):1535-1536. Nov. 1965. 44.8 J822
M. P. Plumlee, W. V. Kessler, and J. E. Christian, joint authors.
Possible method of counteracting milk contamination by the radionuclide.
- 69068 BARTHA, A., and ALDASY, P. Further two serotypes of bovine adenoviruses (serotype 4 and 5). *Acta Vet. [Budapest]* 16(1):107-108. 1966. 41.8 Ac83
- 69069 BENGTSSON, G. Care of cattle hoofs. (Sw) *Var Naring* 42(10):276-277. 1965. 44.8 M692
- 69070 BHAGAT, S. Artificial induction of lactation in a freemartin. *Indian Vet. J.* 43(3):218-223. Mar.1966. 41.8 In2
Stilbestrol used.
- 69071 BHATTACHARYA, N. K., and MULLICK, D. N. Comparative study on the mechanical factors in ruminant digestion. I. A permanent rumen plug for buffalo and cattle, and the method for recording reticulo-ruminal movements. *Indian J. Vet. Sci. Anim. Husb.* 35(3):272-274. Sept. 1965. 41.8 In22
- 69072 BINNERTS, W. T. Use of Cu^{64} in studies on the copper metabolism in milk cows. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:357-371. Ref. 1965. QH324.3.S9
Includes discussion.
- 69073 BLACK, A. L., and LUICK, J. R. The metabolism of ketone bodies in normal and ketotic cows and their utilization for milk synthesis. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:71-94. Ref. 1965. QH324.3.S9
Includes discussion.
- 69074 BLAHOS, K., and others. A case of enlargement and displacement of abomasum in the left side. (Gre) *Hellen. Kteniatrike Hetaireia. Delt.* 16(67/58):32-36. Ref. Jan./June 1965. 41.9 So18
K. Seitarides, Th. Alefakiotes, and A. Sfairopoulos, joint authors.
German summary.
In cattle.
- 69075 BOGEL, K., PROVOST, A., and ENDERS-RUCKLE, G. The hemagglutination inhibition reaction with measles antigen in cattle plague. I. (Ge) *Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 199(1):1-19. Ref. 1966. 448.3 C33
English summary.
- 69076 BOSMAN, M. S. M. The determination of sulphides in rumen liquor: method and experimental results. *Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded.* 280/295:97-102. 1965. 60.9 W123
Cattle.
- 69077 BRANILOVIC, I., and others. A contribution to surgical treatment of invagination of intestines of the cattle. (Se) *Vetserum* 13(9/10):393-395. 1965. 41.8 V6459
S. Brezovec, V. Horvat, and J. Martinec, joint authors.
- 69078 BULL, L. S., and others. Incidence of ruminal parakeratosis in calves fed different rations, and its relation to volatile fatty acid absorption. *J. Dairy Sci.* 48(11):1459-1466. Ref. Nov.1965. 44.8 J822
L. J. Bush, J. D. Friend, B. Harris, and E. W. Jones, joint authors.
- 69079 CHATTERJEE, S. N. Sterilization of scrub cows by intra-ovarian injection of cadmium chloride—a preliminary study. *Indian Vet. J.* 43(4):331-338. Apr.1966. 41.8 In2
- 69080 CHHINA, H. S. Mastitis; prevent it from attacking your cattle. *Intensive Agr.* 2(11):17. Jan.1965. 22 In8
- 69081 CHICHIBABIN, E. S. Plate agglutination-test of milk for brucellosis diagnosis. (Rus) *Veterinariya* 3:109-111. Mar.1966. 41.8 V6426
- 69082 CHODNIK, K. S. Freeze dried B.C.G. for vaccinating cattle. *J. Comp. Pathol.* 75(3):263-266. July 1965. 41.8 J82
Tuberculosis vaccine.
- 69083 CHROUST K. Coccidia and coccidiosis of calves. (Cz) *Veterinarstvi* 16(2):63-65. 1966. 41.8 V6439
- 69084 COCKRILL, W. R. The ox and the husbandman. *Freedom Hunger* 6(38):12-19. Sept./Oct.1965. 389.8 F872
Cattle disease transmission in underdeveloped areas.
- 69085 CORRIAS, A. Clinical and diagnostic aspects of bovine leptospirosis in Italy. (It) *Nuovo Prog. Vet.* 21(5):232-234,236,238,240,242,244, 246. Mar.15,1966. 41.8 P942
- 69086 CRAGLE, R. G., MILLER, J. K., and CHANDLER, P. T. Gastrointestinal sites of absorption and secretion of Ca, P, Zn, and I in dairy cattle. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:499-515. Ref. 1965. QH324.3.S9
Cerium 144 used as marker.
- 69087 DAMGAARD, J. P. Summer mastitis. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(7):287-289. Apr.1,1966. 41.9 D23
Cattle.
- 69088 DARBYSHIRE, J. H., and others. A new adenovirus serotype of bovine origin. *J. Comp. Pathol.* 75(3):327-330. Ref. July 1965. 41.8 J82
P. S. Dawson, P. H. Lamont, D. C. Ostler, and H. G. Pereira, joint authors.
- 69089 DARBYSHIRE, J. H., and others. The pathogenesis and pathology of infection in calves with a strain of bovine adenovirus type 3. *Res. Vet. Sci.* 7(1):81-93. Ref. Jan.1966. 41.8 R312
A. R. Jennings, P. S. Dawson, P. H. Lamont, and A. R. Omar, joint authors.
- 69090 DAVID, A., and JOHN, M. C. Efficacy of de-quinol in the treatment of bovine balantidiosis. *Indian Vet. J.* 43(3):269-270. Mar.1966. 41.8 In2
Use of iodochlorohydroxyquinoline.
- 69091 DEHORITY, B. A. Characterization of several bovine rumen bacteria isolated with a xylan medium. *J. Bacteriol.* 91(5):1724-1729. Ref. May 1966. 448.3 J82
- 69092 DELAY, P. D., and KNIAZEFF, A. J. Response of virus diarrhea-mucosal disease-convallescent calves and rinderpest-vaccinated calves to inoculation with heterologous virus. *Amer. J. Vet. Res.* 27(117):512-518. Ref. Mar.1966. 41.8 Am3A
- 69093 DESHPANDE, B. R., and others. Tuberculous endometritis in a buffalo cow. *Indian Vet. J.* 43(4):288-291. Apr.1966. 41.8 In2
P. D. Sardeshpande, C. R. Sane, and B. L. Purohit, joint authors.
- 69094 EIKELAND, K. Experiments with the control of ringworm of cattle herds. (No) *Norsk Landbruk* 23:6,19. Nov.19,1965. 11 N8122
- 69095 ELAKOV, K. A., and TSYGANOK, N. S. Diagnosis of pregnancy in cows by reaction of barium chloride with urine. (Rus) *Veterinariya* 3:96-97. Mar.1966. 41.8 V6426

- 69096 ELIAS, B. Cesarean section in veterinary practice. (Hu) Magyar Allatorv. Lapja 21(4): 178-180. Apr.1966. 41.8 V644
English summary.
Cattle.
- 69097 ELLIOTT, L. P. Staphylococci of bovine mastitis: their ecology in the dairy herd and its environment. Characterization of the isolates. Diss. Abs. 26(10):5655-5656. Apr.1966. 241.8 M58
- 69098 ELVIN, S. Parturition problems of SLB-heifers; an inventory of causes. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75:77-81. 1965. 11 Up62A
- 69099 ESPANA, J. Comeback on the pampas, FAO special fund researchers, closing in on a complex of insidious livestock diseases, are helping to put Argentina's languishing cattle-raising industry back on its feet. Freedom Hunger 6(38):24-25. Sept./Oct.1965. 389.8 F872
- 69100 FEHER, GY., and GYURU, F. Double-monstrosity in cattle. (Ge) Acta Vet. [Budapest] 16(1):83-106. Ref. 1966. 41.8 Ac83
- 69101 FEY, H. Pathogenesis of colibacillary septicemia in the calf. 10 p. Ref. Transl. 14824
Translation from Bulletin Officiel International des Epizootiques 32(62). 1964.
- 69102 FEY, H., and others. Colostrum prophylaxis of experimental coliseptis in calves. 15 p. Ref. Transl. 14823
A. Margadant, J. Nicolet, and G. Hunyady, joint authors.
Translation from Schweizer Archiv fur Tierheilkunde 105(7):361-370. 1963.
- 69103 FOLTENYI, I. Statistical and economical aspects of cesarean section performed in cows on the basis of extended indications. (Hu) Magyar Allatorv. Lapja 21(4):176-178. Apr.1966. 41.8 V644
English summary.
- 69104 FORD, E. J. H. Changes in the activity of ornithine carbamyl transferase (O.C.T.) in the serum of cattle and sheep with hepatic lesions. J. Comp. Pathol. 75(3):299-308. Ref. July 1965. 41.8 J82
- 69105 FORTE, V. Bovine tuberculosis, an as-yet unconquered scourge. (It) Agr. Napoletana 32 (9/10):9-11. Sept./Oct.1965. 16 Ag8268
- 69106 FRITSCH, R. Treatment of affections of horns of cattle. (Ge) Tierarztl. Umsch. 21(5):216, 219. May 1, 1966. 41.8 T445
- 69107 GAGGINO, O. P., and CARRILLO, B. J. Phalaris staggers. IV. Observation in dairy calves. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 206:31-32. Feb.1965. 9 Id3
Caused by Phalaris tuberosa.
- 69108 GAGLIARDI, G., ZOLETTO, R., and BORGHI, G. Comparison among foot-and-mouth disease vaccines containing various amounts of antigen. Vet. Ital. 16(6/7):386-392. June/July 1965. 41.8 C87
Text also in Italian, p.371-385.
Cattle.
- 69109 GANAPATHY, C. N. The effects of Tri-iodothyronine implantation in dairy cows. Indian Vet. J. 43(3):213-217. Mar.1966. 41.8 In2
For increase of milk production.
- 69110 GDOVIN, T., and others. A contribution to the clinical manifestations, diagnosis and treatment of bovine stachybotryotoxicosis. (Cz) Veterinarstvi 16(4):152-156. 1966. 41.8 V6439
L. Slanina, L. Vrzgula, and A. Michna, joint authors.
English summary.
- 69111 GERMANYUK, YA. L. Ribonucleic acid and ribonuclease in the cow's rumen. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:17-21. 1964. Not in Libr.
Russian summary.
Abstracted in Ref. Zh. Biol. Khim. 19:134. Oct.10, 1965. 241.7 R252
- 69112 GIESE, W., LENGEMANN, F. W., and WENTWORTH, R. A. A mathematical evaluation of the excretion curves of iodine-131 in milk of cows. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:221-230. 1965. QH324.3.S9
Includes discussion.
- 69113 GILMOUR, N. J. L., NISBET, D. I., and BROTHERSTON, J. G. Experimental oral infection of calves with Mycobacterium johnel. J. Comp. Pathol. 75(3):281-286. July 1965. 41.8 J82
- 69114 GIRARDI, V., and PATRIZI, R. Changes in the rumen in calves fed on powdered feeding-stuffs. Vet. Ital. 16(11/12):788-795. Nov./Dec.1965. 41.8 C87
Text also in Italian, p.778-787.
- 69115 GLASCOCK, R. F., and others. The contribution of serum beta-lipoprotein triglycerides to milk fat in the dairy cow. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:253-266. 1965. QH324.3.S9
V. A. Welch, C. Bishop, and T. Davies, joint authors.
Includes discussion.
- 69116 GOSWAMI, S. B., and NAIR, A. P. Effect of season and "off season" of calving of buffaloes (Bubalus bubalis) on their first lactation milk yield and length. Indian J. Vet. Sci. Anim. Husband. 35(3):239-244. Sept.1965. 41.8 In22
- 69117 GOURLAY, R. N., and SHIFRINE, M. Comparison between methods of antigen preparation and the use of adjuvant in the delayed allergic skin reaction in contagious bovine pleuropneumonia. J. Comp. Pathol. 75(4):375-380. Oct. 1965. 41.8 J82
Inoculation with Mycoplasma mycoides.
- 69118 GRIFFIN, R. M. A gel diffusion precipitin test for contagious bovine pleuropneumonia. J. Comp. Pathol. 75(2):223-231. Ref. Apr.1965. 41.8 J82
Based upon isolation of Mycoplasma mycoides.
- 69119 GRIGORENKO, P. P., and ORLOV, E. S. Determination of economic loss from cattle brucellosis. (Rus) Veterinariya 3:43-47. Mar.1966. 41.8 V6426
- 69120 GUALLINI, L. Latest observations on the mastitic effect of mechanical milking. (It) Latte 39 (9):673-675. Ref. Sept.1965. 44.8 L35
- 69121 HABAY, O., BARTKO, P., and GDOVIN, T. Levels of serum iron, total and latent iron detention capability of the serum of cattle. (Cz) Folia Vet. 9(1/2):105-113. Ref. 1965. 41.8 F712
English summary.
- 69122 HAHNEFELD, H., HAHNEFELD, E., and SCHULZE, P. Studies on the mode of transfer of the bovine infectious rhinotracheitis (IBR) and coital exanthema virus (IPV) of cattle in calf kidney single-layer cultures. (Ge) Arch. Exp. Veterinarmed. 19(6):1405-1429. Ref. Dec.1965. 41.8 Ex7
- 69123 HARTMANN, P. E., and LASCELLES, A. K. The flow and lipid composition of thoracic duct lymph in the grazing cow. J. Physiol. 184(1): 193-202. Ref. May 1966. 447.8 J82
- 69124 HATZIOLOS, B. C., and others. Bovine lymphosarcoma; the effect of inoculations on newborn calves and mice—first year of observation. Amer. J. Vet. Res. 27(117):489-502. Ref. Mar.1966. 41.8 Am3A
S. C. Chang, M. C. Stevenson, and S. B. Mohanty, joint authors.
- 69125 HIEPE, T., and RIBBECK, R. Employment of drugs against significant parasite diseases in domestic animals. 2. Fascioliasis and dictyocaulosis of cattle. (Ge) Monatsh. Veterinarmed. 21 (5):172-180. Ref. Mar.1, 1966. 41.8 M742
English summary.
- 69126 HILL, H. Uptake and excretion of radioactive materials by dairy cows; effects of radioactive fallout on cattle and protective measures. (Ge) Arch. Lebensmittelhyg. 17(3):49-53. Mar.1966. 41.8 L49
- 69127 HOFIREK, B. The technique of taking bone marrow and its cytological count in cattle. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38 (8):453-464. Ref. Aug.1965. 41.9 C333
English summary.

- 69128 HOLTENIUS, P. Acetonemia. (Sw) Skand. Kreatursforskringsbolaget. Manadsbl. 44(3/4): 28-29. 1966. 49.9 Sk1
Cattle.
- 69129 HOLY, L. Ovarian cysts in cattle as related to the age, milk production and some clinical symptoms. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(8):443-452. Ref. Aug.1965. 41.9 C333
English summary.
- 69130 HOLY, L. Treatment of ovarian cysts of cattle intravenous applications of choriongonadotropins. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(10):585-594. Ref. Oct.1965. 41.9 C333
English summary.
- 69131 HOVORKA, J., and PODHAJECKY, K. Dynamics of livestock losses caused by the main helminthiases in Czechoslovak SSR. Cattle lungworms. (Cz) Folia Vet. 9(1/2):277-283. 1965. 41.8 F712
German summary.
- 69132 HRUSOVSKY, F. Disinfective effect of acetic acid on *Mycobacterium bovis*. (Cz) Folia Vet. 9(1/2):243-250. 1965. 41.8 F712
English summary.
- 69133 HRUSOVSKY, F., and KALAFKA, S. Comparison of results obtained by Middlebrook-Dubos and agar precipitation reaction in tuberculosis of cattle. (Cz) Folia Vet. 9(1/2):251-259. Ref. 1965. 41.8 F712
English summary.
- 69134 HYSLOP, N. S. G. Airborne infection with the virus of foot-and-mouth disease. J. Comp. Pathol. 75(2):119-126. Ref. Apr.1965. 41.8 J82
Cattle.
- 69135 HYSLOP, N. S. G. Secretion of foot-and-mouth disease virus and antibody in the saliva of infected and immunized cattle. J. Comp. Pathol. 75(2):111-117. Ref. Apr.1965. 41.8 J82
- 69136 ICHHPONANI, J. S., and SIDHU, G. S. Studies on the biochemical processes in the rumen. I. The production of volatile fatty acids in the rumen of Indian cattle and buffalo fed on berseem and wheat straw. Indian J. Vet. Sci. Anim. Husband. 35(3):265-271. Ref. Sept.1965. 41.8 In22
- 69137 IMMINK, H. J., GEURINK, J. H., and DELJS, W. B. The determination of the higher fatty acids in grass and cow-feces. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:103-107. 1965. 60.9 W123
Digestion trials.
- 69138 JAINUDEEN, M. R., and HAFEZ, E. S. E. Control of estrus and ovulation in cattle with orally active progestin and gonadotropins. Int. J. Fertil. 11(1,pt.1):47-54. Ref. Jan./Mar.1966. 442.8 In83
Herefords.
- 69139 JAMKHEDKAR, P. P., NISAL, M. B., and KULKARNI, M. B. Livoderm Ophthalmic Drops (T.C.F.) in lacrimating cow-calves. Indian Vet. J. 43(2):165-167. Feb.1966. 41.8 In2
- 69140 JARRETT, W. F. H., and BROCKLESBY, D. W. A preliminary electron microscopic study of East Coast Fever (*Theileria parva* infection). J. Protozool. 13(2):301-310. Ref. May 1966. 439.8 J82
- 69141 JASPER, D. E., JAIN, N. C., and BRAZIL, L. H. Clinical and laboratory observations on bovine mastitis due to *Mycoplasma*. Amer. Vet. Med. Ass. J. 148(9):1017-1029. Ref. May 1,1966. 41.8 Am3
- 69142 JENNINGS, D., and HARRISON, B. Controlling mastitis in practice. Agr. Northern Ireland 40(12):379-381. Apr.1966. 256.13 Ag82M
In cattle.
- 69143 JENSEN, E. A. A morphological and cultural study of trichomonads and other flagellates of the bovine digestive tract. Diss. Abs. 26(10): 6248. Apr.1966. 241.8 M58
- 69144 JORGENSEN, K. L. Summer mastitis, causes and diffusion. (Da) Danske Dyrlaegefor. Medlemsbl. 49(7):277-287, map. Apr.1,1966. 41.9 D23
Cattle.
- 69145 KAMAL, T. H. Physiological reactions of cows to hot environmental conditions. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:767-792. Ref. 1965. QH324.3.S9
Adaptation in tropical regions.
Includes discussion.
- 69146 KARPAT, I. M., and KALININ, A. S. Blood and bone marrow changes in cattle infected with *Babesia*. (Rus) Veterinariya 3:60-64. Mar. 1966. 41.8 V6426
- 69147 KENDALL, S. B. The effect of large doses of diethylcarbamazine on the development of resistance to reinfection with *Dictyocaulus viviparus*. J. Comp. Pathol. 75(4):443-448. Oct. 1965. 41.8 J82
Lungworm of calves.
- 69148 KNUTSSON, P. G., and SPERBER, I. Exchange of ions across the mammary epithelium and the formation of milk. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:157-171. Ref. 1965. QH324.3.S9
Includes discussion.
- 69149 KOUBA, V. Methods of the final stage of eradication of cattle tuberculosis in Czechoslovak SSR. (Cz) Veterinarstvi 16(4):145-152, map. 1966. 41.8 V6439
- 69150 KOUDELA, K. Diagnosis of the infection of cattle with *Cysticercus bovis* by filtered ultraviolet rays. (Cz) Veterinarstvi 16(2):71-75. Ref. 1966. 41.8 V6439
- 69151 KOVACEVIC, E. Relations between histamine concentrations in the mucous membrane, the muscle-layer, chyme and excrements of healthy calves and those in the excrements of newborn calves with diarrhea. (Se) Veterinaria [Sarajevo] 14(2):197-206. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 69152 KUDLAC, E. Etiology, prevention and therapeutic principles of mastitis. (Cz) Veterinarstvi 16(1):27-31. 1966. 41.8 V6439
Cattle.
- 69153 KUDLAC, E. Evaluation of the enucleation of corpus luteum as a method of treatment of anestrus in cows. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(12):713-723. Ref. Dec. 1965. 41.9 C333
English summary.
- 69154 LACKERMEIER, S. Erfahrungen mit der Brabanter-Mastitis-Reaktion und dem Schalm-Mastitis-Test bei der Kannenmilchuntersuchung von drei Molkereieinzugsgebieten Oberbayerns [Experiences with the Brabant mastitis reaction and the Schalm mastitis test in studies of milk in cans from dairy regions of Upper Bavaria]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 13,53 p. Ref. 1965. 41.2 M9222
- 69155 LAHUNTA, A. DE. Dehydrogenase histochemistry of bovine ruminal epithelium. Diss. Abs. 26(10):5691-5692. Apr.1966. 241.8 M58
- 69156 LARKIN, E. P., DUTCHER, R. M., and CHARNEY, J. Bovine leukemia; the use of citrate for the preparation of milk samples for examination by electron microscopy. Amer. J. Vet. Res. 27(117):594-597. Mar.1966. 41.8 Am3A
- 69157 LARVOR, P., GIRARD, A., and BROCHART, M. Relationship between experimental magnesium deficiency in calves and calcium metabolism measured by Ca^{45} . (Fr) Radioisotop. Anim. Nutr. Physiol. Proc. 1964:659-675. Ref. 1965. QH324.3.S9
English summary.
- 69158 LAVICKA, M. Pasteurellosis of cattle and calves caused by *Pasteurella hemolytica*. (Cz) Veterinarstvi 16(4):182-183. 1966. 41.8 V6439

- 69159 LEBEDA, M. Manifestations of different kinds of milk nutrition in blood buffer systems in calves. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(12):745-753. Ref. Dec.1965. 41.9 C333
English summary.
- 69160 LEBEDA, M., and SURYNEK, J. Development of the alkali reserve of blood and plasma and glycemia in calves with different types of nutrition. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(6):355-362. Ref. June 1965. 41.9 C333
English summary.
- 69161 LEBEDA, M., and SURYNEK, J. Studies on the genesis of changes of the blood- and plasma alkali reserve of dairy cows. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(6):331-338. Ref. June 1965. 41.9 C333
English summary.
- 69162 LENGEMANN, F. W. The study of iodine secretion into the milk of dairy animals. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:203-220. 1965. QH324.3.S9
Radioiodine.
Includes discussion.
- 69163 LOMBARD, C., and LEVESQUE, L. Twenty cases of hyperplastic cutaneous and mucous hemangiomatosis in Normandy cows. (Fr) Rev. Med. Vet. [Toulouse] 116(7):487-496. July 1965. 41.8 R32
English summary.
- 69164 LULI, M., CARCANI, P., and TOLA, V. Certain characteristics of the manifestation of cattle piroplasmiasis in our country. (Al) Bul. Shkencave Bujqesore 1:110-115. 1966. 21.5 B87
English summary.
- 69165 LUMB, W. V., and others. Adrenal vein cannulation in cattle. Amer. J. Vet. Res. 27(117):591-594. Mar.1966. 41.8 Am3A
W. A. Wolff, L. C. Faulkner, and L. E. Parsons, joint authors.
- 69166 MARCH, R. P. The fieldmen's responsibility for the modified Whiteside test. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:205-208. 1965. 44.9 N4833
Cattle mastitis diagnosis.
- 69167 MARTIN, R. P. Fecal metabolites of testosterone-4-¹⁴C in the bovine male castrate. Endocrinology 78(5):907-913. Ref. May 1966. 448.8 En2
- 69168 MAYR, A. A simple and rapid method for the differentiation between vaccinia (poxvirus officinale) and cow-pox virus (poxvirus bovis). (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 199(2):144-151. Ref. 1966. 448.3 C33
English summary.
- 69169 MEL'NIK, R. I., SERGEEV, V. A., and PICHUGIN, L. M. Reproduction of the foot-and-mouth disease virus in the surviving tissues of cattle and swine. 7 p. Transl. 14306
Translation from Veterinariya 41(8):13-16. Aug.1954.
- 69170 MIKULAS, L. Control of health and fertility of cattle. (Cz) Veterinarstvi 16(3):104-108. 1966. 41.8 V6439
- 69171 MILENKOVIC, M., UKROPINA-PANIC, V., and KUCUKALIC, E. Dynamics of nitrogenous substances in blood serum and urine of hematuric cattle. (Se) Veterinaria [Sarajevo] 14(1):9-18. 1965. 41.8 V6494
English summary.
- 69172 MILIC, D., and others. Paratuberculosis in a cow of Yugoslav breed. (Se) Veterinaria [Sarajevo] 14(3):419-421. 1965. 41.8 V6492
B. Vujic, Z. Calic, and I. Rajic, joint authors.
English summary.
- 69173 MOLL, G. Allergische und bakteriologische Untersuchungen über das Vorkommen von M. avium bei gesunden Schlachtrindern [Allergic and bacteriologic studies on the occurrences of M. avium in healthy slaughter cattle]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 14,41 p. Ref. 1965. 41.2 M9222
Bibliography, p.33-40.
- 69174 NAG, N. C., and PRASAD, L. B. M. Serological typing of staphylococci of bovine udder. J. Comp. Pathol. 75(3):339-342. July 1965. 41.8 J82
- 69175 NARASIMHAMURTY, G. Liver biopsy in cattle. Indian Vet. J. 43(2):114-119. Ref. Feb. 1966. 41.8 In2
- 69176 NARAYAN, K. G. Studies on clostridia incidence in beef cattle. Acta Vet. [Budapest] 16(1):65-72. Ref. 1966. 41.8 Ac83
- 69177 NES, N. Testicular feminization in cattle. (No) Nord. Veterinaarmed. 18(1):19-29. Ref. Jan.1966. 41.8 N813
English summary.
Genetic problem of hermaphroditism in one family.
- 69178 NEUNDORF, R. Some metabolic diseases of cattle with special emphasis on their medicinal treatment. (Ge) Monatsh. Veterinarmed. 20(23):943-952. Dec.1,1965. 41.8 M742
- 69179 NEWBOULD, F. H. S., SAURASTI, H. G., and BARNUM, D. A. Studies on phagocytosis of Staphylococcus aureus by leucocytes from the bovine udder. I. J. Comp. Pathol. 76(2):127-132. Ref. Apr.1966. 41.8 J82
- 69180 NIELSEN, S. W., and others. The pathology of marginal vitamin A deficiency in calves. Res. Vet. Sci. 7(2):143-150. Ref. Apr.1966. 41.8 R312
J. H. L. Mills, C. G. Woelfel, and H. D. Eaton, joint authors.
- 69181 NILSSON, O. Lungworm—a serious threat to cattle health. (Sw) Var Naring 42(4):98. 1965. 44.8 M692
- 69182 OEHRING, M. Prevent grass tetany! (Ge) Mitt. Deut. Landwirt.-Ges. 81(15):625-626,628-629. Apr.14,1966. 18 N39
In cattle.
- 69183 OGER, Y. Bovine tuberculosis; is it wiped out? (Fr) Agr. Prat. 129(8):18-19,21. Aug./Sept.1965. 14 J82
- 69184 OMAR, A. R. Cytopathic effects and immunofluorescence produced by the J 121 strain of bovine parainfluenza 3 virus in tissue culture. J. Comp. Pathol. 75(3):287-297. Ref. July 1965. 41.8 J82
- 69185 ONYANGO, R. J., HOEVE, K. VAN, and RAADT, P. DE. The epidemiology of Trypanosoma rhodesiense sleeping sickness in Alego location, Central Nyanza, Kenya. I. Evidence that cattle may act as reservoir hosts of trypanosomes infective to man. Roy. Soc. Trop. Med. Hyg. Trans. 60(2):175-182. Ref. 1966. 448.9 R813
- 69186 ORSAG, A., SUTTA, J., and STERBINSKY, A. The effect of thiopentobarbital anesthesia on the glycemic curve of cattle. (Cz) Folia Vet. 9(1/2):193-199. Ref. 1965. 41.8 F712
English summary.
- 69187 PANT, H. C. A note on concentration of "Oscillospira guilliermondii-type" organisms in the rumen ingesta of buffalo and Zebu cattle. Indian Vet. J. 43(2):111-113. Feb.1966. 41.8 In2
- 69188 PAVLIC, S. Metabolism of acetylcholine in the rumen. (Se) Veterinaria [Sarajevo] 14(3):379-394. 1965. 41.8 V6492
English summary.
Excerpt from thesis.
Cattle.
- 69189 PAVLIV, B. A., and VOVK, I. N. Enzymatic conversion of glucose-1-phosphate in hemolysates of erythrocytes of cattle and swine, depending on the concentration of substrate and incubation time. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:50-53. 1964.
Not in Libr.
Russian summary.
Abstracted in Ref. Zh. Biol. Khim. 19:133. Oct.10,1965. 241.7 R252
- 69190 PAVLOVIC, R., and MILOSEV, B. Epizootiology of leptospirosis of heifers on the Vrsacki Vinogradi farm. (Se) Veterinaria [Sarajevo] 14(1):117-122. Ref. 1965. 41.8 V6494
English summary.

- 69191 PAYNE, J. M., SANSOM, B. F., and SYMONDS, H. W. The pathogenesis of milk fever in the dairy cow. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:231-249. Ref. 1965. QH324.3.S9
Evidence obtained by radioisotope tracer experiments.
- 69192 PEETERS, G., and VERBEKE, R. The biosynthesis of milk proteins. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:39-70. Ref. 1965. QH324.3.S9
Includes discussion.
- 69193 PENAVIN, V., and others. Our experiences with cesarean section of cows. (Se) *Veterinaria [Sarajevo]* 14(2):265-268. Ref. 1965. 41.8 V6494
M. Filipovic, H. Lokvancic, and I. Prolic, joint authors.
English summary.
- 69194 POPLUHAR, L. Evaluation of equipment for intradermal tuberculin test of cattle. (Cz) *Veterinarstvi* 16(2):58-61. Ref. 1966. 41.8 V6439
- 69195 PRASAD, C. B., and MALIK, B. S. Preliminary report on the isolation of *Vibrio fetus* organism from the female genital tract of buffaloes in India. *Cur. Sci.* 35(1):16-17. Jan.5, 1966. 475 Sci23
- 69196 RAO, C. C. P., KHERA, S. S., and SHARMA, G. L. Studies on the in vitro sensitivity of *Staphylococcus aureus* strains of bovine mammary origin to different antibiotics. *Indian Vet. J.* 43(3):181-190. Ref. Mar.1966. 41.8 In2
- 69197 RAO, S. V. A simple technique of patellar desmotomy in the bovine. *Indian Vet. J.* 43(3):261-268. Mar.1966. 41.8 In2
- 69198 RASMUSSEN, F. Studies on lactation and absorption of drugs. (Da) *Danske Dyrlaegefor. Medlemsbl.* 49(9):396-399. May 1, 1966. 41.9 D23
In milk.
- 69199 REBESKO, B., and KOVAC, F. Some experiences in the diagnostics of reticulitis traumatica in cattle. (Se) *Veterinaria [Sarajevo]* 14(1):107-116. Ref. 1965. 41.8 V6494
English summary.
- 69200 REES, H. G., and BOSHIER, D. P. Two cases of abnormal genital tracts in cattle and a discussion of their origins. *New Zeal. Vet. J.* 14(1):20-23. Jan./Feb.1966. 41.8 N483
- 69201 RENOLD, A. E., and others. Immunological response to the prolonged administration of heterologous and homologous insulin in cattle. *J. Clin. Invest.* 45(5):702-712. Ref. May 1966. 448.8 J8295
J. Steinke, J. S. Soeldner, H. N. Antoniadis, and R. E. Smith, joint authors.
- 69202 RENOU, Y. Gastrointestinal parasitism of cattle; means for the treatment of gastrointestinal strongylosis. (Fr) *Tech. Lait.* 506:11-12. Jan.10, 1966. 44.8 Of2
Thiabendazole is used.
- 69203 RETZLAFF, N., and SEYDLER, B. Endocarditis in a cow, caused by *Corynebacterium pyogenes*. (Ge) *Fleischwirtschaft* 45(10):1166-1168. Ref. Oct.1965. 280.38 F62
English summary.
- 69204 ROF CODINA, J. Interesting studies on livestock: dystocia in the slaughter cow. (Sp) *Cult. Mod.* 49(2):51-53. Feb.1966. 15 C89
- 69205 ROINE, K., and others. The effect of mineral supplements on resorption in the digestive tract of cattle, with special reference to *Bolus alba*. *Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak.* 38(1):59-63. 1966. 20 Su7M
T. Varikko, L. Lappalainen, and K. Ostring, joint authors.
- 69206 ROLFSJORD, L. Control of ringworm in the practice. (No) *Norsk Landbruk* 22:12-13, 25. Nov.5, 1965. 11 N8122
Cattle.
- 69207 ROMMEL, W., and ROMMEL, P. Secretion of estrogen in cow's urine during undisturbed pregnancy, parturition and early puerperium. 8 p. Transl. 15004
Translation from Leipzig. Karl-Marx-Universität. *Wissenschaftliche Zeitschrift. Mathematisch-Naturwissenschaftliche Reihe* 8:821-825. 1958/1959.
- 69208 SALAJKA, E., CIMR, J., and NOVAK, J. A contribution to the problem of mastitis of cattle caused by *Escherichia coli*. (Cz) *Veterinarstvi* 16(3):120-123. 1966. 41.8 V6439
- 69209 SANDSTEDT, H. Preliminary deworming experiments with hetolin against the small liver fluke. (Sw) *Svensk Veterinartidn.* 18(2):60-62. Jan.1966. 41.9 Sv23
Dicrocoelium in cattle.
- 69210 SCHMIDT, G. H. Effect of insulin on yield and composition of milk of dairy cows. *J. Dairy Sci.* 49(4):381-385. Ref. Apr.1966. 44.8 J822
- 69211 SCHNAPPAUF, H., JOEL, D. D., and CRON-KITE, E. P. Determination of total red cell volume and apparent life of erythrocytes in cattle by means of Cr⁵¹. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(3):231-238. Ref. Mar.1966. 41.8 Z5
English summary.
- 69212 SCHWEDLER, H. Development and structure of the veterinary milk sanitation and the udder health service in the Neubrandenburg district. (Ge) *Monatsh. Veterinarmed.* 21(5):162-167. Mar.1, 1966. 41.8 M742
English summary.
- 69213 SEKARDI, L. Effect of insulin on the uptake of glucose and glycogen synthesis in the liver fluke (*Fasciola hepatica* L.). (Se) *Vet. Arh.* 35(11/12):313-320. Ref. 1965. 41.8 V6416
English summary.
In cattle.
- 69214 SENZE, A. Epidural application of alcohol as anesthetic in certain diseases of cattle. (Rus) *Folia Vet.* 9(1/2):323-327. 1965. 41.8 F712
- 69215 SERIC, K. Is the intracisternal application of antibiotics the only treatment of the mastitis? (Se) *Veterinaria [Sarajevo]* 14(1):101-105. Ref. 1965. 41.8 V6494
English summary.
Cattle.
- 69216 SHARABRIN, I. G., and SHAIKHAMANOV, M. KH. Validity of intraperitoneal injection of drug mixtures in dyspeptic calves. (Rus) *Veterinariya* 3:76-78. Mar.1966. 41.8 V6426
- 69217 SHARMA, R. S., and MISRA, D. S. Milk lactose and its importance in diagnosis of mastitis. *Indian Vet. J.* 43(2):154-159. Feb.1966. 41.8 In2
Cattle and buffaloes.
- 69218 SHIFRINE, M., and GOURLAY, R. N. The immediate type allergic skin reaction in contagious bovine pleuropneumonia. *J. Comp. Pathol.* 75(4):381-385. Oct.1965. 41.8 J82
Inoculation with *Mycoplasma mycoides*.
- 69219 SHORTRIDGE, E. H. *Cysticercus bovis* in New Zealand. *New Zeal. Vet. J.* 14(1):19. Jan./Feb.1966. 41.8 N483
- 69220 SIMESSEN, M. G., and others. Plasma-Mg²⁸ disappearance in the bovine. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:721-736. Ref. 1965. QH324.3.S9
T. A. Rogers, T. Lunaas, and J. R. Luick, joint authors.
Includes discussion.
- 69221 SIMMONS, K. R., DRACY, A. E., and ESSLER, W. O. Diurnal temperature patterns in unrestrained cows. *J. Dairy Sci.* 48(11):1490-1493. Nov.1965. 44.8 J822
- 69222 SIMON, V., and STEPANEK, I. Transmission of infections in the problem of udder diseases. (Cz) *Veterinarstvi* 16(2):51-63. 1966. 41.8 V6439
Bacterial mastitis of cattle.

- 69223 SIMPSON, C. F. Genesis and morphologic characteristics of macrophages and Langhans' giant cells. *Amer. J. Vet. Res.* 27(117):533-540. Ref. Mar.1966. 41.8 Am3A
Of John's disease infected cattle.
- 69224 SINCLAIR, W. K. Careful culling provides the answer to eye cancer in cattle. *S. Australia J. Agr.* 69(8):277. Mar.1966. 23 So84
- 69225 SINDELAROVA, K., NEUMAN, V., and KUDELKA, E. On the relation between enzymatic activity of blood-serum and milk in the case of liver- and udder damage. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(6):363-368. June 1965. 41.9 C333
English summary.
- 69226 SLESINGER, L. Ketosis of cattle in its correlation to some biochemical conditions. (Cz) *Veterinarstvi* 16(2):69-71. 1966. 41.8 V6439
- 69227 SMITH, V. W. Active immunisation of calves with tissue-cultured rinderpest vaccine. *J. Comp. Pathol.* 76(2):217-224. Apr.1966. 41.8 J82
- 69228 SPARAPANI, G. C. Recent research on the presence of specific antibodies in the milk of cows stricken with hepatic distomatosis. (It) *Latte* 39(5):364. May 1965. 44.8 L35
- 69229 STEINER, H. Contribution to the therapy of dislocatio abomasi sinistra in cattle. (Ge) *Prakt. Tierarzt* 47(5):214-215. May 1, 1966. 41.8 P882
- 69230 STILINOVIC, Z., and PROSENJAK, M. The effect of exogenic estradiol upon the level of free plasma cortisol and the concentration of total 17-hydroxycorticosteroids in the urine of dairy cattle. (Se) *Vet. Arh.* 36(1/2):49-58. Ref. 1966. 41.8 V6416
English summary.
- 69231 STOTT, G. H. Parturient paresis related to dietary phosphorus. *J. Dairy Sci.* 48(11):1485-1489. Ref. Nov.1965. 44.8 J822
- 69232 STOYANOVSKII, S. V., and MEL'NIK, I. L. Effect of ultraviolet rays on gas exchange and energy exchange in cows. (Uk) *Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn* 2:100-102. 1964. Not in Libr.
Russian summary.
Change in fatty acid content in rumen.
Abstracted in Ref. *Zh. Biol. Khim.* 19:143. Oct.10,1965. 241.7 R252
- 69233 STURMAN, A. V. Gastrointestinal tract microbes in newly born, dyspeptic calves. (Rus) *Veterinariya* 3:30-31. Mar.1966. 41.8 V6426
- 69234 SUSHA, K. P. Bovine spring-summer fever. 2 p. Transl. 14307
Indication of malignant catarrh.
Translation from *Veterinariya* 41(6):59. June 1964.
- 69235 SWEET, R. L. Shipping fever. (Sp) *Tierra [Mexico]* 20(9):716,755. Sept.1965. 8 T445
- 69236 THURSTON, J. R., LARSEN, A. B., and LEHMANN, R. P. Intradermic tuberculin tests of cattle naturally sensitive to Johnin; reactions to simultaneous inoculations of two tuberculin concentrations. *Amer. J. Vet. Res.* 27(117):541-544. Ref. Mar.1966. 41.8 Am3A
- 69237 TOO, K., KANAGAWA, H., and KAWATA, K. Fetal electrocardiogram in dairy cattle. I. *Jap. J. Vet. Res.* 13(3):71-83. Ref. Sept.1965. 41.8 V6446
- 69238 TRACH, V. N. Strongylus worms of cattle in the territory of Ukrainian Carpathian Mountains and surrounding area. (Rus) *In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.272-278. 1965. 436 K544
- 69239 TRAINOR, P. D., MOHANTY, S. B., and HE-TRICK, F. M. Experimental infection of calves with reovirus type 1. *Amer. J. Epidemiol.* 83(2):217-223. Mar.1966. 44.8 Am3
- 69240 TRAPP, A. L., and others. Probable cell-free transmission of malignant bovine lymphoma. *Amer. J. Vet. Res.* 27(117):588-590. Mar. 1966. 41.8 Am3A
K. D. Weide, V. L. Sanger, and L. O. Gilmore, joint authors.
- 69241 TSOGOEV, K. A. Considering the quality of udder while selecting cows for mechanical milking. (Rus) *Zhivotnovodstvo* 4:53-55. Apr. 1966. 49 Z6
- 69242 TURNER, C. W. What causes high production? Story of the role of the lactogenic hormone in milk secretion. *Mo. Univ. Ext. Bull.* 836, 14 p. Feb.1966. 100 M693
- 69243 ULBRICH, F. Tissue culture of lymphocytes from healthy cattle and cattle suffering from leucosis. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(7):122-124. Apr.1,1966. 41.8 B45
English summary.
- 69244 VAGI, V. Eradication of tuberculosis in our cattle herds. (Hu) *Magyar Mezogazdasag* 21 (19):19. May 11,1966. 19 M27
- 69245 VARDAMAN, T. H., and LARSEN, A. B. Effect of intradermal Johnin and tuberculin testing on the complement-fixation test for bovine tuberculosis. *Amer. J. Vet. Res.* 27(117):545-547. Ref. Mar.1966. 41.8 Am3A
- 69246 VAREJCKO, J. Parrying capability of liver fluke eggs (*Fasciola hepatica*) in cattle suffering from chronic fascioliasis in different seasons. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(12):739-743. Dec.1965. 41.9 C333
English summary.
- 69247 VEDANAYAGAM, K. Studies on the vitamin A and carotene content in the blood plasma of cattle. *Indian Vet. J.* 43(3):209-212. Ref. Mar.1966. 41.8 In2
- 69248 WAGNON, K. A., and CARROLL, F. D. Reproduction difficulties in range beef cattle. *Calif. Agr. Exp. Sta. Bull.* 822, 28 p., map. Ref. Feb.1966. 100 C12S
Calf mortality under different management methods.
- 69249 WALSER, K. Studies on the influence of the milking machine on udder health. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(3):193-230. Mar.1966. 41.8 Z5
English summary.
Review of the literature.
- 69250 WEBER, W. Inheritable traits in blood serum and hemoglobin of cattle. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:29-32. 1966. 49.9 Sch92
- 69251 WEBER, W., and SCHINDLER, A. The blood groups of cattle. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:27-29. 1966. 49.9 Sch92
- 69252 WEHLAND, W. Prevent meadow tetany now! (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(16):683-685. Apr.21,1966. 18 N39
In cattle.
- 69253 WEINHOLD, E. Cell phagocytosis in the culture of bovine leucocytes. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(7):130-132. Ref. Apr.1,1966. 41.8 B45
English summary.
- 69254 WHITE, F., and RATTRAY, E. A. S. Diurnal variation in the cell content of cows' milk. *J. Comp. Pathol.* 75(3):253-261. Ref. July 1965. 41.8 J82
Leucocytes.
- 69255 WHITTED, C. R., MCCORMICK, R. J., and STEWART, W. E. Electronic drop counter. *J. Dairy Sci.* 48(11):1538-1540. Nov.1965. 44.8 J822
For recording of parotid, salivary and pancreatic gland secretion in cattle and sheep.
- 69256 WILDE, J. K. H. Changes in bovine bone marrow during the course of East Coast Fever. *Res. Vet. Sci.* 7(2):213-224. Ref. Apr.1966. 41.8 R312
- 69257 WILDE, J. K. H. Observations on the bone marrow of cattle treated with some therapeutic substances. *Res. Vet. Sci.* 7(2):225-231. Apr.1966. 41.8 R312
Phyrimethamine, diamino-5-(3',4'-dichlorophenyl)-6-ethylpyrimidine, 2,4-, sulfonamide, and chlortetracycline used against East Coast fever.

- 69259 WILLOUGHBY, R. A. Bovine staphylococcal mastitis: an immunohistochemical study of the cellular sites of antibody formation. *Amer. J. Vet. Res.* 27(117):522-532. Ref. Mar.1966. 41.8 Am3A
- 69259 WITTMANN, W., URBANECK, D., and LIEBERMANN, H. Studies on the etiology of cattle leukosis. 1-2. (Ge) *Arch. Exp. Veterinarmed.* 19(6):1369-1404. Ref. Dec.1965. 41.8 Ex7
Includes tissue culture studies.
- 69260 WOELKE, G. Untersuchungen über Leberschaden bei Trächtigkeit, puerperalen Störungen und Eutererkrankungen des Rindes mittels Bromsulphalein-Test, Bilirubinprobe und Transaminasenaktivitäten (SGOT und SGPT) im Serum [Studies on liver damages in pregnancy, puerperal disturbances and udder diseases of cattle by bromsulphalein test, bilirubin test and transaminase activities (SGOT and SGPT) in serum]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 15, 77 p. Ref. 1965. 41.2 H198
Bibliography, p.66-76.
- 69261 WOLTER, H. Contribution to the technique of cattle dehorning. (Ge) *Prakt. Tierarzt* 47(5):215. May 1,1966. 41.8 P882
In reference to article by G. Unger.
- 69262 WOOLCOCK, J. B. Activated papain in typing bovine blood by the agglutination technique. *J. Comp. Pathol.* 75(4):433-436. Ref. Oct. 1965. 41.8 J82
- 69263 ZAPLETAL, O., and NEUMAN, V. The level of ammonia and urea in the blood-serum and milk of dairy cattle. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(6):377-383. Ref. June 1965. 41.9 C333
English summary.
- 69264 ZDELAR, F. Study of bovine goiter in Croatia. II. Weight of the thyroid gland in relation to the season and to the distribution of goiter. (Se) *Vet. Arh.* 36(1/2):1-14, map. Ref. 1966. 41.8 V6416
English summary.
- 69265 ZEL'NER, V. R. Physiological processes of nutrition in cows fed with phosphate additives. (Rus) *Zhivotnovodstvo* 4:75-76. Apr.1966. 49 Z6
- Miscellaneous
- 69266 ADHIYA, V. From the rotting carcasses, we can make Rs. 27 crore and ward off many diseases. *Indian Farming* 15(11):21-22. Feb. 1966. 22 In283
Disposal.
- 69267 ANGELOVSKI, T., and others. Health, production and costs of dairy cows kept in open and covered cowsheds. (Se) *Veterinaria [Sarajevo]* 14(2):159-170. Ref. 1965. 41.8 V6494
B. Vaskov, J. Sokarovski, and Z. Madzirov, joint authors.
English summary.
- 69269 BREUER, H. J. New cattle and calf slaughtering plant in Cologne. (Ge) *Fleischwirtschaft* 45(10):1158-1160. Oct.1965. 280.38 F62
English summary.
- 69269 BROWN, C. M., and DILLON, W. M. Forage Farm dairy management and production results. *Ind. Agr. Exp. Sta. Res. Progr. Rep.* 242,2 p. Apr.1966. 100 In2Res
- 69270 DEESE, R., and ARMSTRONG, J. Beef cattle. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:42-43. 275.29 AL1Su
Extension programs.
- 69271 EDWARDS, R. A., and DONALDSON, E. A study of the variability of the composition of mixed herd milks. *Soc. Dairy Technol. J.* 19(2):110-113. Apr.1966. 44.8 So12
- 69272 GEORGE, R. What is happening to our dairy shows? *Hoard's Dairyman* 111(10):650-651. May 25,1966. 44.8 H65
- 69273 GEORGIA, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Hot iron branding. *Ga. Univ. Ext. Circ.* 551,6 p.-folder. Jan.1966. 275.29 G29C
- 69274 GUPTA, S. P. P. Research required to develop cattle wealth. *Gosamvardhana* 13(9):7-12. Dec.1965. 43.8 G69
India.
- 69275 HERZOG, H. Relations between ancestral and progeny performances. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:4-6. 1966. 49.9 Sch92
Cattle.
- 69276 IVOS, J., ASAJ, A., and MARJANOVIC, L. Study of the quality of deep litter in the halfopen dairy cattle barns. (Se) *Stocarstvo* 19(11/12):467-472. Ref. Nov./Dec.1965. 43.8 St6
English summary.
- 69277 IYA, K. K. Dairy industry in India has a long way to go. *Indian Farming* 15(7):8-9. Oct. 1965. 22 In283
- 69278 JACOBSEN, N. A. Raising 4-H beef cattle. *Mont. State Coll. Ext. Bull.* 277, rev., 15 p. Dec. 1965. 275.29 M76C
- 69279 KOLMODIN, P. I. Prevention of baby calf diseases. (Sw) *Hallands Lans Hushallningssallsk. Tidskr.* 9(1):25-27. Jan.1966. 11 H152
Sanitation and feeding.
- 69280 LARSSON, E. L. Exterior judging of breeding animals through the ages. (Sw) *Var Naring* 42(4):113. (Cont.) 1965. 44.8 M692
Cattle.
- 69281 LENSCH, J. Problems of beef cattle rearing in east Africa. (Ge) *Tierarztl. Umsch.* 21(5):239-242, 245-246. Ref. May 1,1966. 41.8 T445
Kenya, Tanganyika and Uganda.
- 69282 LOUISIANA, AGRICULTURAL EXPERIMENT STATION. Research report, North Louisiana Hill Farm Experiment Station, Homer, Louisiana, 1964, Dairy, by W. N. Philpot. n.p., 1965? 58 p. SF241.L8N6
Includes feeding.
- 69283 MARQUARDT, R. R., and FORESTER, T. L. Milk A-esterase levels as influenced by stage of lactation. *J. Dairy Sci.* 48(11):1526-1528. Nov.1965. 44.8 J822
- 69284 MATHARU, B. S. Points to ponder in handling cattle. *Indian Farming* 15(10):26-28, 49. Jan. 1966. 22 In283
Behavior.
- 69285 MILLER, J., WENTWORTH, J., and MCCULLOUGH, M. E. Effects of various factors on vitamin B₁₂ content of cows' milk. *J. Agr. Food Chem.* 14(3):218-221. Ref. May/June 1966. 381 J8223
Breeding, feeding, and season.
- 69286 NAGY, I. Regional specialization of cattle raising. (Hu) *Statist. Szemle* 44(3):245-264, map. Mar.1966. 266.5 St2M
English summary.
- 69287 NAGY, I. Specialization of cattle rearing. (Hu) *Statist. Szemle* 44(4):339-350. Apr.1966. 266.5 St2M
English summary.
- 69288 PALEC, V. Occurrence and treatment of bad habit of cattle of "playing with tongue." (Cz) *Veterinarstvi* 16(2):86-87. 1966. 41.8 V6439
- 69289 PARNERKAR, Y. M. Methods for accelerating food production of animal origin. *Gosamvardhana* 13(9):17-18. Dec.1965. 43.8 G69
In India; chiefly milk.
- 69290 PARRISH, J. R., and JONES, R. S. Dairy in Auburn Univ. Ext. *Suggestions Annu. Count. Ext. Program* 1966:47-51. 275.29 AL1Su
Extension programs.
- 69291 PETERFY, M. Development and employment of an expert technology on the cattle-slaughtering line at the Budapest Meat Processing Enterprise [Budapest Husipari Vallalat]. (Hu) *Husipar* 15(2):66-72. Mar./Apr.1966. 50.8 H95
English summary.
- 69292 RATCLIFF, L., WILLIAMS, R., and POTTS, D. F. Increase dairy profits through the use of production records. *Ark. Univ. Ext. Leaflet* 386,5 p.-folder. Mar.1966. 275.29 Ar4Le
- 69293 ROY, A. Get more milk from your buffaloes in summer. *Intensive Agr.* 2(11):10. Jan.1965. 22 In8
India.

- 69294 SACKKEY, F. M. A. Towards a better livestock industry. *Ghana Farmer* 9(2):74-75,78. May 1965. 24 G564
Cattle.
- 69295 SCHNEEBERGER, H. Determination of slaughter value of cattle by carcass analysis. (Ge) *Schweiz. Ver. Tierzucht. Schr.* 34:21-22. 1966. 49,9 Sch92
- 69296 SIMS, J. A., and PORTER, A. R. The effect of environmental temperature on forage dry matter intake and milk yield of lactating cows. *Iowa State J. Sci.* 40(3):293-301. Feb.15,1966. 470 Io9
- 69297 SMITH, A. C., BENSON, R. H., and COWAN, W. A. Some interrelationships between fat, protein, and SNF content of milk. *Conn. (Storrs) Agr. Exp. Sta. Res. Rep.* 9,19 p. Ref. Jan.1966. 100 C76Re
Cows of several breeds.
- 69298 U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program. U. S. Agr. Res. Serv. ARS 44-175, 13 p.,map. Mar.1966. A49.9 R31A
Record keeping.
- 69299 U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program; 1,749,752 lactation records reported in 1965. U. S. Agr. Res. Serv. ARS-44-173,4 p. Mar.1966. A49.9 R31A
- 69300 U. S. NATIONAL BUR. OF STANDARDS. Morphology of the Nevada cattlebrands and their blazons. Part 1, by W. C. Watt. Washington, 1966. 123 p. Ref. (Its Report No.9050) SF101.N3
- 69301 VAN HORN, H. H. Management of the dairy herd—the Iowa situation. *Iowa Vet.* 37(3):7-11. May/June 1966. 41.8 Io9
- 69302 WALLACE, C. A. A study of the lactation curves of Tasmanian dairy cows. *Tasmania. Dep. Agr. Pam.* 33,28 p. 1965. 23 T18P
- 69303 WISSMAN, D. J. Comparative costs of slaughtering cattle in Michigan packing plants. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 10,67 p. Ref. May 1965. 281.9 M5842
- DOGS AND CATS**
- Breeds and Breeding
- 69304 KLUB FUR TERRIER. Zuchtbuch, Band 55 (Jahrgang 1964) [Studbook, Vol. 55 (Year 1964)]. Frankfurt am Main, 1965. 98 p. 48.9 K69
- 69305 REINERT, H., and SMITH, G. K. A. Establishment of an experimental cat breeding colony. *Nature [London]* 209(5027):1005-1008. Mar.5, 1966. 472 N21
- 69306 TODD, N. B. The independent assortment of dominant white and polydactyly in the cat. *J. Hered.* 57(1):17-18. Jan./Feb.1966. 442.8 Am3
- Veterinary Medicine
- 69307 AINSWORTH, E. J., and MITCHELL, F. A. Decreased radiation mortality in dogs treated with typhoid-paratyphoid vaccine. *Nature [London]* 210(5033):321-323. Ref. Apr.16,1966. 472 N21
- 69308 ANNIS, J. R. Teeth. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.329-344. Ref. 1965. SF911.A7
- 69309 ARCHIBALD, J. Abdominal incisions. *In* his *Canine surgery*, ed.5,p.467-472. 1965. SF911.A7
- 69310 ARCHIBALD, J., ed. *Canine surgery; a text and reference work*. Ed. 5. Santa Barbara, Amer. Vet. Publ., 1965. 1024 p. Ref. SF911.A7
- 69311 ARCHIBALD, J. Surgical principles. *In* his *Canine surgery*, ed.5,p.17-56. Ref. 1965. SF911.A7
Includes treatment of injuries and sutures.
- 69312 ARCHIBALD, J. Urinary system. *In* his *Canine surgery*, ed.5,p.553-590. Ref. 1965. SF911.A7
Kidneys and bladder.
- 69313 ARCHIBALD, J., and HORNEY, F. D. Colon, rectum, and anus. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.535-552. Ref. 1965. SF911.A7
- 69314 ARCHIBALD, J., and REED, J. H. Esophagus. *In* Archibald, J., ed. *Canine surgery*, ed.5, p.443-466. Ref. 1965. SF911.A7
- 69315 BATTLES, D. E., and others. The relationship of environmental contamination in the surgical laboratory to postoperative infection. *Lab. Anim. Care* 15(6):406-421. Ref. Dec.1965. 410.9 P94
J. H. Bloch, W. R. Scott, J. K. Longerbeam and R. C. Lillehet, joint authors.
In dogs.
- 69316 BISCOE, T. J., and SILVER, A. The distribution of cholinesterases in the cat carotid body. *J. Physiol.* 183(2):501-512. Ref. Mar.1966. 447.8 J82
- 69317 BISCOE, T. J., and STRAUGHAN, D. W. Micro-electrophoretic studies of neurones in the cat hippocampus. *J. Physiol.* 183(2):341-359. Ref. Mar.1966. 447.8 J82
- 69318 BOZZINI, C. E. Influence of the erythroid activity of the bone marrow on the plasma disappearance of injected erythropoietin in dogs. *Nature [London]* 209(5028):1140-1141. Mar.12, 1966. 472 N21
- 69319 BRINKER, W. O. Fractures. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.744-849. Ref. 1965. SF911.A7
- 69320 BRODEY, R. S. Spleen. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.697-713. Ref. 1965. SF911.A7
- 69321 BRUNK, R. Hematological standard values in the Beagle. 2. Serum content and blood sugar. (Ge) *Berliner Munchener Tierarztl. Wochenschr.* 79(9):167-168. Ref. May 1,1966. 41.8 B45
English summary.
- 69322 BUTLER, H. C. Tendons, muscles, and fascia. *In* Archibald, J., ed. *Canine surgery*, ed.5,p. 726-743. Ref. 1965. SF911.A7
- 69323 CAWLEY, A. J. Plastic surgery. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.139-174. Ref. 1965. SF911.A7
- 69324 CLIFFORD, D. H., and CLARK, J. J. Mouth, lips, and tongue. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.303-328. Ref. 1965. SF911.A7
- 69325 CORNWELL, P. Behavioral effects of orbital and proreol lesions in cats. *J. Compar Physiol. Psychol.* 61(1):50-58. Feb.1966. 410 J822
- 69326 CRANDELL, R. A., JACKSON, W. E., and WAMBERG, K. Serologic study for canine distemper and hepatitis in Northern Greenland. *Nord. Veterinaarmed.* 18(3):162-165. Mar. 1966. 41.8 N813
- 69327 DAVIS, L. E. Burns. *In* Archibald, J., ed. *Canine surgery*, ed.5,p.127-138. Ref. 1965. SF911.A7
- 69328 DONOS, A. Research on the helminthiasis of dogs in Epirus and especially on echinococcosis, 1-2. (Gre) *Hellen. Kteniatrike Hetaireia. Delt.* 16(57/58):36-50,map. Ref. Jan./June 1965. 41.9 So18
English summary.
- 69329 DOYEN, and LANDRAUD. Persistence of hymen in two three-year old cats. (Fr) *Rev. Med. Vet. [Toulouse]* 116(7):509-513. July 1965. 41.8 R32
English summary.
Includes uterine disease.
- 69330 ELLETT, E. W., and ARCHIBALD, J. Hernia. *In* Archibald, J., ed. *Canine surgery*, ed.5,p. 473-493. Ref. 1965. SF911.A7
- 69331 FERNANDO, S. D. A. A histological and histochemical study of the glands of the external auditory canal of the dog. *Res. Vet. Sci.* 7(1): 116-119. Ref. Jan.1966. 41.8 R312

- 69332 FLIPO, J. Joints of the pectoral limb. In Archibald, J., ed. Canine surgery, ed. 5, p. 924-935. Ref. 1965. SF911.A7
- 69333 HAMILTON, J. M. Experimental lungworm disease of the cat; association of the condition with lesions of the pulmonary arteries. J. Comp. Pathol. 76(2):147-157. Ref. Apr. 1966. 41.8 J82
- 69334 HAMILTON, J. M. Pulmonary arterial disease of the cat. J. Comp. Pathol. 76(2):133-145. Ref. Apr. 1966. 41.8 J82
- 69335 HEATH, K. R., and BOX, P. G. Immunity to leptospirosis; antibodies in vaccinated and infected dogs. J. Comp. Pathol. 75(2):127-136. Apr. 1965. 41.8 J82
- 69336 HOFMEYR, C. F. B., and IRWIN, D. H. G. Liver and biliary tract. In Archibald, J., ed. Canine surgery, ed. 5, p. 677-696. Ref. 1965. SF911.A7
- 69337 HOFMEYR, C. F. B., and IRWIN, D. H. G. Pancreas. In Archibald, J., ed. Canine surgery, ed. 5, p. 714-725. Ref. 1965. SF911.A7
- 69338 HOERLEIN, B. F. Spinal surgery. In Archibald, J., ed. Canine surgery, ed. 5, p. 985-1000. Ref. 1965. SF911.A7
- 69339 HORNEY, F. D. Intravenous anesthesia. In Archibald, J., ed. Canine surgery, ed. 5, p. 74-78. Ref. 1965. SF911.A7
- 69340 HOTTENDORF, G. H., NIELSEN, S. W., and LIEBERMAN, L. L. Acidophil adenoma of the pituitary gland and other neoplasms in a Boxer. Amer. Vet. Med. Ass. J. 148(9):1046-1050. Ref. May 1, 1966. 41.8 Am3
- 69341 HULLAND, T. J. Neoplasms and infections of bone. In Archibald, J., ed. Canine surgery, ed. 5, p. 936-952. Ref. 1965. SF911.A7
- 69342 HULLAND, T. J. Skin and adnexa. In Archibald, J., ed. Canine surgery, ed. 5, p. 175-189. Ref. 1965. SF911.A7
Neoplasms of skin and mammary glands.
- 69343 JAMKHEDKAR, P. P., and AJINKYA, S. M. Unilateral agenesis of kidney and testicle in a dog. Indian Vet. J. 43(2):128-129. Feb. 1966. 41.8 In2
- 69344 JENTZSCH, K. D., and MICKWITZ, C. U. VON. On the differential diagnosis of the fluorescence-immunological rabies test. (Ge) Monatsh. Veterinarmed. 21(5):188-193. Ref. Mar. 1, 1966. 41.8 M742
English summary.
Cats.
- 69345 JOHNSON, R. H. Feline panleucopenia virus. III. Some properties compared to a feline herpes virus [of feline viral rhinotracheitis]. Res. Vet. Sci. 7(1):112-115. Ref. Jan. 1966. 41.8 R312
- 69346 JOHNSTON, D. E. Male genital system. In Archibald, J., ed. Canine surgery, ed. 5, p. 611-640. Ref. 1965. SF911.A7
- 69347 KERSTING, E. J., and NIELSEN, S. W. Experimental ethylene glycol poisoning in the dog. Amer. J. Vet. Res. 27(117):574-582. Ref. Mar. 1966. 41.8 Am3A
- 69348 KIRK, R. W. Fluid therapy and shock. In Archibald, J., ed. Canine surgery, ed. 5, p. 110-126. Ref. 1965. SF911.A7
- 69349 KLEMM, W. R., and MALLO, G. L. Clinical electroencephalography in anesthetized small animals. Amer. Vet. Med. Ass. J. 148(9):1038-1042. Ref. May 1, 1966. 41.8 Am3
Dogs and cats.
- 69350 KRNJEVIC, K., RANDIC, M., and STRAUGHAN, D. W. An inhibitory process in the cerebral cortex. J. Physiol. 184(1):16-48. Ref. May 1966. 447.8 J82
Includes cats and rabbits.
- 69351 KRNJEVIC, K., RANDIC, M., and STRAUGHAN, D. W. Nature of a cortical inhibitory process. J. Physiol. 184(1):49-77. Ref. May 1966. 447.8 J82
Includes cats and rabbits.
- 69352 KRUSZYNSKI, J., and HOWELL, J. M. Observations on the mineral composition and staining properties of the inclusion bodies of infectious canine hepatitis. Res. Vet. Sci. 7(1):55-60. Ref. Jan. 1966. 41.8 R312
Veterinary techniques.
- 69353 LARSEN, L. H. Stomach and small intestine. In Archibald, J., ed. Canine surgery, ed. 5, p. 494-534. Ref. 1965. SF911.A7
- 69354 LAWSON, D. D. Principles of anesthesia; inhalation anesthesia. In Archibald, J., ed. Canine surgery, ed. 5, p. 57-73. Ref. 1965. SF911.A7
- 69355 LUMB, W. V. Amputations. In Archibald, J., ed. Canine surgery, ed. 5, p. 953-962. Ref. 1965. SF911.A7
- 69356 MACHIDA, H., GIACOMETTI, L., and PERKINS, E. Histochemical and pharmacologic properties of the sweat glands of the dog. Amer. J. Vet. Res. 27(117):566-573. Ref. Mar. 1966. 41.8 Am3A
- 69357 MAKSIĆ, D., and SMALL, E. Head. In Archibald, J., ed. Canine surgery, ed. 5, p. 282-302. Ref. 1965. SF911.A7
- 69358 MARSDEN, P. D., and HAGSTROM, J. W. C. Trypanosoma cruzi in the saliva of Beagle puppies. Roy. Soc. Trop. Med. Hyg. Trans. 60(2):189-191. 1966. 448.9 R813
- 69359 MATERA, E. A., and ARCHIBALD, J. Prostate gland. In Archibald, J., ed. Canine surgery, ed. 5, p. 591-610. Ref. 1965. SF911.A7
- 69360 NAGARAJAN, V. V., and GANAPATHY, M. S. Studies on the pattern of blood urea in some of the commonly encountered diseased conditions in canines. Indian Vet. J. 43(4):326-330. Apr. 1966. 41.8 In2
- 69361 NETREBKO, I. D., and others. Observations on the course of natural toxoplasmosis in dogs in the city of Kiev and its vicinity. (Rus) In Akademiya Nauk Ukrainy's'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh, p. 127-132. 1965. 436 K544
N. A. Iova, L. A. Beregovaya, and G. M. Dvoinos, joint authors.
- 69362 NIKODEMUSZ, I., and GONDA, GY. The action on cats of long-term administration of food products impurified by B. cereus. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 199(1):64-67. 1966. 448.3 C33
English summary.
- 69363 OLSSON, S. E. Disorders of the vertebral column and spinal cord. In Archibald, J., ed. Canine surgery, ed. 5, p. 963-984. Ref. 1965. SF911.A7
- 69364 OTT, R. L. Ears. In Archibald, J., ed. Canine surgery, ed. 5, p. 243-281. Ref. 1965. SF911.A7
- 69365 PETTIT, G. D. Other joints of the pelvic limb. In Archibald, J., ed. Canine surgery, ed. 5, p. 891-923. Ref. 1965. SF911.A7
- 69366 PORTER, P. Chromatographic studies of the urinary colloids of dog and man with the identification of components derived from the serum. J. Comp. Pathol. 76(2):197-206. Ref. Apr. 1966. 41.8 J82
- 69367 PORTER, P. Colloidal properties of urates in relation to calculus formation. Res. Vet. Sci. 7(2):128-137. Ref. Apr. 1966. 41.8 R312
In dogs.
- 69368 PREROVSKY, J., HLAVOVA, A., and VAVREJN, B. The estimation of capillary circulation of the muscle in animals by Xe-133. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:631-641. 1965. QH324.3.S9
Studies with dogs.
- 69369 RAPIC, S., and others. A contribution to the anatomy of mediastinum in domestic and some wild canines. (Se) Vet. Arh. 36(1/2):25-30. Ref. 1966. 41.8 V6416
U. Bego, T. Ciligo, and I. Huber, joint authors.
English summary.

- 69370 REED, J. H. Thorax. In Archibald, J., ed. Canine surgery, ed.5, p.384-420. Ref. 1965. SF911.A7
- 69371 RICE, W. M., and KANGSTROM, L. E. Local and regional anesthesia. In Archibald, J., ed. Canine surgery, ed.5, p.79-94. Ref. 1965. SF911.A7
Injections.
- 69372 RISER, W. H. Sterile technic. In Archibald, J., ed. Canine surgery, ed.5, p.95-109. 1965. SF911.A7
- 69373 ROBERTS, S. R. Eyes. In Archibald, J., ed. Canine surgery, ed.5, p.190-242. Ref. 1965. SF911.A7
- 69374 RUDY, R. L. Stifle joint. In Archibald, J., ed. Canine surgery, ed.5, p.850-890. Ref. 1965. SF911.A7
- 69375 SCHAAF, N. The effect of some sedatives on dogs, when administered orally. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(9): 161-163. Ref. May 1, 1966. 41.8 B45
English summary.
- 69376 SCHANZ, U. Beitrage zur Frage kausaler Zusammenhange zwischen Angiopathien und anderen Erkrankungen bei Hunden, anhand histologischer Untersuchungen der intramuralen Herzgefasse [Contribution to the problem of causal relation between angiopathies and other diseases of dogs on the basis of histological investigations of intramural cardiac vessels]. Giessen. Justus-Liebig-Univ. Veterinarmed. Fak. [Inaug.-Diss.] 12,95 p. 1965. 41.2 G3242
Bibliography, p.88-95.
- 69377 SERTIC, V. Clinical and experimental study of allergic diseases of domestic animals. I. Chronic allergic dermatitis of dogs. (Se) Vet. Arh. 35(11/12):278-290. Ref. 1965. 41.8 V6416
English summary.
- 69378 SINE, P. N., and ENGLERT, E. Restraining jacket for prolonged experiments on dogs. Lab. Anim. Care 15(6):452-455. Dec.1965. 410.9 P94
- 69379 SIVADAS, C. G., NAIR, M. K., and RAJAN, A. Neoplastic changes associated with oesophageal Spirocerca [lupi] tumour in a dog. Indian Vet. J. 43(3):195-200. Ref. Mar.1966. 41.8 In2
- 69380 SMITH, K. W. Female genital tract. In Archibald, J., ed. Canine surgery, ed.5, p.641-676. Ref. 1965. SF911.A7
- 69381 SOAVE, O. A., and BOYLE, C. C. A comparison of the hemograms of conditioned and non-conditioned laboratory dogs. Lab. Anim. Care 15(5):359-362. Oct.1965. 410.9 P94
- 69382 SONODA, M., and KOBAYASHI, K. Electron microscopic studies on the morphology of microfilariae of Dirofilaria immitis. I. Jap. J. Vet. Res. 13(3):68-70. Sept.1965. 41.8 V6446
In dogs.
- 69383 SPREULL, J. S. A., and ARCHIBALD, J. Glands of the head and neck. In Archibald, J., ed. Canine surgery, ed.5, p.367-383. Ref. 1965. SF911.A7
- 69384 STAVROU, D. Contribution to the postmortem diagnosis of renal or extrarenal uremia in the dog. (Ge) Deut. Tierarztl. Wochenschr. 73(8): 173-177. Ref. Apr.15, 1966. 41.8 D482
English summary.
- 69385 SYCH, G. YA. Morphology of protective reaction in dogs in spontaneous and experimental toxocarosis. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy che-loveka i zhivotnykh, p.117-126. 1965. 436 K544
- 69386 THORDAL-CHRISTENSEN, A. Neck, pharynx, tonsils, and larynx. In Archibald, J., ed. Canine surgery, ed.5, p.345-366. Ref. 1965. SF911.A7
- 69387 TREACHER, R. J. Intestinal absorption of lysine in cystinuric dogs. J. Comp. Pathol. 75(3):309-322. Ref. July 1965. 41.8 J82
- 69388 VANCE, W. R. Studies of dog intestine glycolipids. Diss. Abs. 26(10):5708-5709. Apr.1966. 241.8 M58
- 69389 VERSTRAETE, A., STOCK, J. VAN DER, and SCHEPPER, J. DE. Steatorrhea, malabsorption and atrophy of the pancreas of a dog. (Fl) Vlaams Diergeneesk. Tijdschr. 35(1):1-15. Jan.1966. 41.8 V84
English summary.
- 69390 WEIPERS, W. L., and LAWSON, D. D. Heart and great vessels. In Archibald, J., ed. Canine surgery, ed.5, p.421-442. Ref. 1965. SF911.A7
- 69391 WEISS, E., and EL-ETREBY, M. F. Sex determination of cells of the normal and abnormal canine prostate. (Ge) Zentralbl. Veterinar-med. Reihe A, 13(3):283-288. Mar.1966. 41.8 Z5
English summary.
- 69392 WILSON, F. D., and DAVID, G. Intrathoracic anaesthesia in cats. Indian Vet. J. 43(3):253-261. Ref. Mar.1966. 41.8 In2
- 69393 WINKENWERDER, W. Vibrios and spirilla in dogs and cats. (Ge) Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 199(3):391-398. Ref. 1966. 448.3 C33
English summary.
- 69394 ZEDLER, W. Cystitis emphysematosa of a dog. (Ge) Kleintier-Praxis 11(1):28-30. Feb.1966. 41.8 K67

FUR ANIMALS—PEN RAISED

Breeds and Breeding

- 69395 RAPACZ, J., and SHACKELFORD, M. Erythrocyte antigen mosaicism in domestic mink. J. Hered. 57(1):19-22. Ref. Jan./Feb.1966. 442.8 Am3

Veterinary Medicine

- 69396 ANDERSON, A. L. Why not three-in-one vaccine? Amer. Fur Breeder 39(4):15. Apr.1966. 410 Am33
Distemper, botulism and enteritis.
- 69397 CHRISTENSEN, G. Aleutian disease in mink. (Da) Nord. Veterinaarmed. 18(3):174-181. Ref. Mar.1966. 41.8 N813
English summary.
- 69398 FEOKTISTOV, A. A., VILKOV, S. N., and ZDVIZHKOV, M. I. Experience in control of plague in foxes and minks. (Rus) Krolikovodstvo Zverovodstvo 1:32-33. Jan./Feb.1966. 40.28 K91
Canine distemper immunization.
- 69399 JORGENSEN, G., and CHRISTENSEN, G. Relationship between haemoglobin values and fur properties in mink. Nord. Veterinaarmed. 18(3):166-173. Ref. Mar.1966. 41.8 N813
- 69400 PADGETT, G. A., HENSON, J. B., and GORMAN, J. R. Failure of botulism toxoid to trigger Aleutian disease. Amer. Fur Breeder 39(4):11,33. Apr.1966. 410 Am33
- 69401 RINALDI, A., CERVIO, G., and FRITTOLI, M. Aujeszky's disease in mink. Vet. Ital. 16(6/7):404-412. Ref., p.402-403. June/July 1965. 41.8 C87
Text also in Italian, p.393-403.
- 69402 VOLLAN, R. Distemper in Rogaland. (No) Norsk Pelsdyrbl. 40(6/7):195-197. Mar.20/Apr.5, 1966. 412.628 N812
Fur animals.
Comments on article by J. R. Lindstrom.

Miscellaneous

- 69403 MASEIDE, P. 40th anniversary of Sunnmore Fur Animal Association [Sunnmore Pelsdyrslag]. (No) Norsk Pelsdyrbl. 40(8):218-221. Apr.20, 1966. 412.628 N812

- 69404 NORGES PELS DYRLSLAG. Annual reports and accounts of the Norwegian Fur Animal Association, 1965. (No) Norsk Pelsdyrbl. 40(9): 243-264. May 5, 1966. 41.2.628 N812
- 69405 RODON, J. M. Raising and exploitation of the nutria. (Sp) Cult. Mod. 48(12):448-449. Dec. 1965. 15 C89
- 69406 TRECENO, J. Raising and exploitation of Myocaster coypus in closed area system. (Sp) Cult. Mod. 49(2):71. Feb. 1966. 15 C89

HORSES AND MULES

Breeds and Breeding

- 69407 DUSEK, J. On the problem of inbreeding in the breeding of full-blooded horses and its achievements. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(2):121-130. Ref. Feb. 1966. 49.9 C33
English summary.
- 69408 MATHAI, C. K., OHNO, S., and BEUTLER, E. Sex-linkage of the glucose-6-phosphate dehydrogenase gene in Equidae. Nature [London] 210(5031):115-116. Apr. 2, 1966. 472 N21
Horses and donkeys.
- 69409 MORGAN HORSE CLUB. American Morgan Horse register. Vol. IX. Providence, 1965. 714 p. 42.9 B32
- 69410 PAL, J. Horse breeding in the state farms. (Hu) Magyar Mezogazdasag 21(14):19. Apr. 6, 1966. 19 M27
- 69411 ROGALEVICH, M. Greater attention to horse-breeding advocated. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:50-54. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 5:32. Feb. 1965.

Veterinary Medicine

- 69412 AURELI, G., and LAURIA, A. "In vitro" behavior of xanthochrome cells of the horse (preliminary note). (It) Clin. Vet. 89(2):33-37. Ref. Feb. 1966. 41.8 C61
English summary.
- 69413 BECKER, C. H. Pre-cancerous changes in the mucosa of the horse. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(3):270-277. Ref. Mar. 1966. 41.8 Z5
English summary.
- 69414 BIELEN, J. The distribution of histamine in the skin and corium of the horse's hoof; a contribution to the study of allergic diseases of skin and hoof. (Se) Veterinaria [Sarajevo] 14(2):221-234. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 69415 BORKOVEC, L. African horse sickness. (Cz) Veterinarstvi 16(3):123-126. 1966. 41.8 V6439
English summary.
In Algeria.
- 69416 CABEJ, N. An enzootic outbreak of adenitis of horses in the Miloti area. (Al) Bul. Shkencave Bujqesore 1:103-109. 1966. 21.5 B87
English summary.
- 69417 CILIGA, T., and others. A contribution to the anatomy of mediastinum of domestic equines. (Se) Vet. Arh. 36(1/2):15-24. Ref. 1966. 41.8 V6416
S. Ropic, U. Bego, and I. Huber, joint authors.
English summary.
Chiefly asses and mules.
- 69418 EBERLY, V. E., TYLER, W. S., and GILLESPIE. Cardiovascular parameters in emphysematous and control horses. J. Appl. Physiol. 21(3):883-889. May 1966. 447.8 J825
Pulmonary emphysema.
- 69419 EIS, G. Prescriptions for horses by Pfalzgraf Philipp der Aufrichtige. (Ge) Deut. Tierarztl. Wochenschr. 73(8):182-184. Apr. 15, 1966. 41.8 D482
- 69420 FADEEVA, L. L., BALEZINA, T. I., and KORABEL NIKOVA, N. I. Effects of interferon on virus of equine encephalomyelitis in culture media. (Rus) In Kleshch. entsefalit, keme-rovsk. kleshch. likhoradki, gemorragich. likhoradki i drugie arbovirusn. infektsii 1964: 74-76. Not in Libr.
Cited in Ref. Zh. Biol. 22(sect.B):13. Nov. 1965. 241.7 R25
- 69421 FRANK, A., and MAROLT, J. A contribution to albinism of the eyes in animals. (Ge) Deut. Tierarztl. Wochenschr. 73(8):177-180. Apr. 15, 1966. 41.8 D482
English summary.
Horses.
- 69422 KARDEVAN, A., and VETESI, F. On generalized aspergillosis of horses. (Hu) Magyar Al-latorv. Lapja 21(4):173-176. Ref. Apr. 1966. 41.8 V644
English summary.
Caused by Aspergillus fumigatus.
- 69423 KARPAS, A. Characterization of a new herpes-like virus isolated from foal kidney. Inst. Pasteur. Ann. 110(5):688-696. Ref. May 1966. 448.3 An75
- 69424 MAROLT, J., and BRUDNJAK, Z. The viral etiology of periodic ophthalmia. Vet. Arh. 35(11/12):263-268. Ref. 1965. 41.8 V6416
Horses and cattle.
- 69425 MAROLT, J., ZUKOVIC, M., and MOLAN, M. Equine onchocerciasis; contributions to the etiology of lameness and diseases of the skin and eyes. (Ge) Deut. Tierarztl. Wochenschr. 73(6):130-134. Ref. Mar. 15, 1966. 41.8 D482
English summary.
- 69426 MCQUEEN, J. L., and others. Studies of equine influenza in Michigan, 1963. I-II. Amer. J. Epidemiol. 83(2):271-286. Ref. Mar. 1966. 449.8 Am3
F. M. Davenport, E. Minuse, R. J. Keeran, and H. A. Dawson, joint authors.
- 69427 MOHAN, R. N., SHARMA, K. N., and AGARWALA, V. C. A note on an outbreak of epizootic lymphangitis in equines. Indian Vet. J. 43(4): 338-339. Apr. 1966. 41.8 In2
Caused by Cryptococcus farciminosus.
- 69428 OZAWA, Y., and others. Sequential cellular changes produced by African horse-sickness virus in monkey kidney cells. Amer. J. Vet. Res. 27(117):558-565. Ref. Mar. 1966. 41.8 Am3A
A. Mojtabai, I. G. Hopkins, A. Hazrati, and P. Kaveh, joint authors.
- 69429 SHEPEL, M. Hemagglutination-inhibition method and immunofluorescence staining with Venezuelan equine encephalomyelitis virus. Appl. Microbiol. 14(3):346-352. Ref. May 1966. 448.3 Ap5
- 69430 SLESINGER, L. Activity of glutamic oxaloacetic acid transaminase, of glutamic pyruvic acid-transaminase and of aldolase in the blood-serum of horses suffering from internal and surgical diseases. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(8):477-480. Ref. Aug. 1965. 41.9 C333
English summary.
- 69431 SOVA, Z. Laboratory diagnosis of acute liver damage in horses. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(8):465-476. Ref. Aug. 1965. 41.9 C333
English summary.
- 69432 THEANDER, S. Staphylococcus in the vulva lips of a mare. (Sw) Svensk Veterinartidn. 18(4):129. Feb. 1966. 41.9 Sv23
- 69433 TODD, F. A. Equine infectious anemia: a research problem. Amer. Vet. Med. Ass. J. 148(9):1051-1052. May 1, 1966. 41.8 Am3
- 69434 ZAHARLJA, I., TODOROVIC, I. J. The agglutinin-lysine titre in the horse and swine after natural infection with Leptospira pomona. (Se) Vet. Arh. 35(11/12):291-299. Ref. 1965. 41.8 V6416
English summary.

LABORATORY ANIMALS, SMALL

Breeds and Breeding

- 69435 GREEN, E. L. The Jackson Laboratory: a center for mammalian genetics in the United States. *J. Hered.* 57(1):2-12. Jan./Feb.1966. 442.8 Am3
- 69436 HAUSSINGER, E. Untersuchungen über Zusammenhänge zwischen Aufzuchtleistung und Fruchtbarkeitsdauer bei der Maus (*Mus musculus*) [Studies on the relation between breeding performance and length of fertility of the mouse (*Mus musculus*)]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 9,35 p. Ref.,p.31-34. 1965. 41.2 M9222
- 69437 LANE, P. W. Association of megacolon with two recessive spotting genes in the mouse. *J. Hered.* 57(1):29-31. Ref. Jan./Feb.1966. 442.8 Am3
- 69438 LILJEDAHN, L. E. Studies on the influence of the degree of the heterozygosity on the development and viability of female mice during their lifetime. (Sw) *Uppsala. Lantbrukshögsk. Aktuellt Lantbrukshögsk.* 75:87-94. 1965. 11 Up62A
- 69439 OJIMA, Y., TAKAYAMA, S., and KATO, F. A study of the sex chromosomes in the mouse. *Jap. J. Genet.* 40(4):319-324. Ref. Aug.1965. 442.9 J27
- 69440 WOLFF, G. L., and BARTKE, A. Decreased survival of embryos in yellow (Aya) female mice. *J. Hered.* 57(1):14-17. Jan./Feb.1966. 442.8 Am3

Feeds and Feeding

- 69441 CHARLES, R. T., STEVENSON, D. E., and WALKER, A. I. T. The sterilisation of laboratory animal diet by ethylene oxide. *Lab. Anim. Care* 15(5):321-324. Ref. Oct.1965. 410.9 P94
- 69442 POND, W. G., and VAN VLECK, L. D. Importance of sex and genetic strain in influencing the response of weanling rats on diets of different fat and protein content. *N. Y. (Cornell) Agr. Exp. Sta. Mem.* 396,23 p. Dec.1965. 100 N48C

Animal husbandry studies.

Veterinary Medicine

- 69443 BESCOT-LIVERSAC, J., and others. The $\text{Na}_2\text{S}^{35}\text{O}_4$ and $\text{Ca}^{45}\text{Cl}_2$ in the study of experimental rickets of the rat. (Fr) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:463-485. Ref. 1965. QH324.3.S9
- F. Bassanetti, Y. Dupuis, and C. Gullam, joint authors.
English summary.
- 69444 BIBERSTEIN, E. L., and THOMPSON, D. A. Type specificity of immunity to *Pasteurella haemolytica* infection in mice. *J. Comp. Pathol.* 75(3):331-337. July 1965. 41.8 J82
- 69445 BRENNAN, P. C., FRITZ, T. E., and FLYNN, R. J. *Pasteurella pneumotropica*: cultural and biochemical characteristics, and its association with disease in laboratory animals. *Lab. Anim. Care* 15(5):307-312. Oct.1965. 410.9 P94
- 69446 CHANDLER, R. L. An experimental mixed infection of mice with scrapie and an oncogenic virus. *J. Comp. Pathol.* 75(3):323-326. July 1965. 41.8 J82
- 69447 CLARK, I. Magnesium, calcium, phosphorus and strontium interrelations. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:677-692. Ref. 1965. QH324.3.S9
- Rats; strontium was radioactive.
- 69448 COMPERE, R., and others. Use of Cu^{64} to study copper metabolism in the presence of molybdenum and inorganic sulphate. (Fr) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:339-355. Ref. 1965. QH324.3.S9
- A. Burny, E. Francois, and S. Vanuytrecht, joint authors.
English summary.
Rats and sheep.
- 69449 ELEFThERIOU, G. E., and ZOLOVICK, A. J. The forebrain of the deermouse in stereotaxic coordinates. *Kans. Agr. Exp. Sta. Tech. Bull.* 146,20 p. Ref. Dec.1965. 100 K13S
- As laboratory animal.
- 69450 FARNELL, D. R. Cortisone treatment in magnesium deficiency of rats. *Amer. J. Vet. Res.* 27(117):415-418. Mar.1966. 41.8 Am3A
- 69451 FIELD, E. J., CASPARY, E. A., and WINDSÖR, G. D. Sodium and potassium in scrapie brain. *Res. Vet. Sci.* 7(1):72-73. Jan.1966. 41.8 R312
- Mice.
- 69452 FLYNN, R. J., BRENNAN, P. C., and FRITZ, T. E. Pathogen status of commercially produced laboratory mice. *Lab. Anim. Care* 15(6):440-447. Ref. Dec.1965. 410.9 P94
- 69453 GEVORKYAN, S. G., and RAPPOPORT, M. B. Hygienic and toxicological evaluation of the herbicide crotyline and morphological changes in the bodies of animals with its use. (Rus) *In Gigena Truda* 1964:135-138. Not in Libr.
- Laboratory animals.
Abstracted in *Ref. Zh. Khim.* 19(sect.I):36. Oct.1965. 241.64 R252
- 69454 GILL, B. S. Studies on protective immunity of *Trypanosoma evansi*. *J. Comp. Pathol.* 75(3):233-240. Ref. July 1965. 41.8 J82
- Immunization of mice and guinea pigs in studies of surra.
- 69455 GRAS, G. Anthelmintic activity of dibutyl lead diacetate. (Fr) *Rev. Elevage Med. Vet. Pays Trop. (n.s.)* 19(1):15-20. Ref. 1966. 41.8 R3262
- English summary.
Tested on tapeworms of mice.
- 69456 GWATKIN, R. B. L., and AUERBACH, S. Synthesis of a ribonucleic acid virus by the mammalian ovum. *Nature [London]* 209(5027):993-994. Mar.5,1966. 472 N21
- In mice.
- 69457 IGNAT'eva, O. A., and NURIEV, G. G. Study of immunobiological changes in protein fractions of guinea pig blood serum when infected with a culture of *Brucella* strain 19. (Rus) *Kazansk. Vet. In-t. Uch. Zap.* 90:107-110. 1964. 41.9 K18
- Cited in *Ref. Zh. Biol. Khim.* 19:97. Oct. 10, 1965. 241.7 R252
- 69458 INGRAND, J., and COHEN, Y. Chromium metabolism in mice: autoradiographic study in terms of the valence of the metal. (Fr) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:607-630. Ref. 1965. QH324.3.S9
- English summary.
Includes discussion.
- 69459 ITZE, L., ARENDARCIK, J., and VRZGULOVA, M. Sensitivity of the intact, female baby mice tested with gonadotropic hormones. (Cz) *Folia Vet.* 9(1/2):73-82. Ref. 1965. 41.8 F712
- English summary.
- 69460 JERVIS, H. R., MERRILL, T. G., and SPRINZ, H. Coccidiosis in the guinea pig small intestine due to a *Cryptosporidium*. *Amer. J. Vet. Res.* 27(117):408-414. Ref. Mar.1966. 41.8 Am3A
- 69461 JONES, L. D. The faultless mouse holder. *Lab. Anim. Care* 15(5):373-374. Oct.1965. 410.9 P94
- 69462 JOVANOVIC, M., DJURDJEVIC, D., and SINADINOVIC, J. Some characteristics of the iodine metabolism in the internal irradiation damage of the thyroid gland. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:559-575. 1965. QH324.3.S9
- Rats studied.
- 69463 KAMALOV, G. KH., and SYURIN, V. N. Sensitivity of laboratory animals and of the tissue culture to the Aujeszky's disease virus. 4 p. Ref. *Transl.* 14299
- Translation from *Veterinariya* 41(6):23-24. June 1964.
- 69464 KOLDOVSKY, P., SVOBODA, J., and BUBENIK, J. Further studies on the immunobiology of tumour RVA2 induced by RSV [Rous sarcoma virus] in C57BL strain mice. *Folia Biol. [Praha]* 12(1):1-10. Ref. 1966. 442.8 F712

- 69465 MACKENZIE, A., and WILSON, A. M. Accumulations of fat in the brains of mice affected with scrapie. *Res. Vet. Sci.* 7(1):45-54. Ref. Jan.1966. 41.8 R312
- 69466 MACKOWIAK, C., and others. Quantitative control of foot-and-mouth disease vaccine. I. Titration of neutralizing antibodies in vaccinated guinea pigs. (Fr) *Rev. Med. Vet. [Toulouse]* 116(7):497-507. Ref. July 1965. 41.8 R32
R. Lang, H. G. Petermann, M. Roumiantzeff, J. Fontaine, and C. Stellmann, joint authors. English summary.
- 69467 MAHLANDT, B. G., and others. Immunologic studies of anthrax. IV. *J. Immunol.* 96(4):727-733. Ref. Apr.1966. 448.8 J8232
F. Klein, R. E. Lincoln, B. W. Haines, W. I. Jones, and R. H. Friedman, joint authors. In rats.
- 69468 MARCUS, C. S., and WASSERMAN, R. H. Ca and Mg levels in gastrointestinal mucosa of fed, fasted, and lactose-treated rats. *J. Appl. Physiol.* 21(3):1063-1067. Ref. May 1966. 447.8 J825
- 69469 MATOFF, K., and TERZLJSKI, A. Vaccination against *Ascaris suum*, *Ascaris lumbricoides* and *Trichinella spiralis*. *Z. Tropenmed. Parasitol.* 17(1):58-67. Ref. Apr.1966. 448.8 Z37
Tests on guinea pigs and rabbits.
- 69470 MICHEL, R. Correlation between the frequency distribution of cytoplasmic ribonucleic acid and sulfhydryl granules in *Trypanosoma* species and the course of infection in vertebrate hosts. (Ge) *Z. Tropenmed. Parasitol.* 17(1):68-86. Ref. Apr.1966. 448.8 Z37
English summary.
In guinea pigs and dogs.
- 69471 MOORE, W. Hemogram of the Chinese hamster. *Amer. J. Vet. Res.* 27(117):608-610. Mar.1966. 41.8 Am3A
- 69472 PENZES, L., BARNA, J., and SIMON, G. Intestinal absorption of ^{35}S labelled methionine during reproduction in the rat. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:449-462. Ref. 1965. QH324.3.S9
Includes discussion.
- 69473 PILET, C., and LE GARREC, Y. Studies on the immunogenic capacity of anti-*Brucella* vaccines in small laboratory animals. I. (Fr) *Inst. Pasteur. Ann.* 110(5):755-765. May 1966. 448.3 An75
English summary.
- 69474 PREMACHANDRA, B. N. Thyroglobulin immunity and thyroidal- ^{131}I secretion and function. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:533-557. Ref. 1965. QH324.3.S9
Guinea pigs studied.
- 69475 ROHDE, H. Beeinflussung der oxydativen Phosphorylierung in Rattenleber-Mitochondrien durch Polypeptide und andere biogene Amine (unter besonderer Berücksichtigung kapillar-aktiver Stoffe) [Influencing oxidative phosphorylation in rat liver mitochondria by polypeptides and other biogenic amines (with special emphasis on capillary active materials)]. Giessen. Justus-Liebig-Universität. Veterinarmed. Fak. [Inaug.-Diss.] 11,96 p. 1965. 41.2 G3642
Bibliography, p.77-96.
- 69476 ROSSNER, W., and TEMPEL, K. X-ray dosimetry on the brain of the rat and guinea pig. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(3):278-282. Mar.1966. 41.8 Z5
English summary.
- 69477 SCHANZEL, H., and SYNEK, O. Incorporation of phosphorus 32 into larvae of *Trichinella spiralis*. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(11):691-694. Nov.1965. 41.9 C333
English summary.
Guinea pigs.
- 69478 SEAWRIGHT, A. A. Toxicity for the guinea pig of an extract of *Lantana camara*. *J. Comp. Pathol.* 75(2):215-221. Ref. Apr.1965. 41.8 J82
In study of *Lantana* poisoning of ruminants.
- 69479 SIMMONS, M. L., WILLIAMS, H. E., and WRIGHT, E. B. Therapeutic value of the organic phosphate trichlorfon against *Syphacia obvelata* in inbred mice. *Lab. Anim. Care* 15(6):383-385. Dec.1965. 410.9 P94
Pinworm.
- 69480 SMOTHERS, J. L. A volumetric respirometer for small animals. *J. Appl. Physiol.* 21(3):1117-1118. May 1966. 447.8 J825
Laboratory animals.
- 69481 SUGIMURA, M., and others. Peculiar nuclear inclusion, nucleoloid body, in lymphocytes. *Jap. J. Vet. Res.* 13(3):96-103. Ref. Sept.1965. 41.8 V6446
K. Furuhashi, N. Ohtaishi, N. Kudo, and Y. Mifune, joint authors. Mice.
- 69482 TOMANEK, J., and PROCHAZKA, Z. Verifying the effectiveness of ionizing radiation on the invasive larvae *Dictyocaulus viviparus* in guinea pigs. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(8):481-488. Ref. Aug.1965. 41.9 C333
English summary.
- 69483 VANCURIK, J. Effect of X-irradiation on the development of postinfection immunity in tularemia and anthrax. *Folia Microbiol.* 2(2):130-138. Ref. 1966. 448.3 C332
In laboratory animals.
- 69484 VAN MIDDLESWORTH, L. Storage of iodine by the hyperplastic thyroid. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:577-593. Ref. 1965. QH324.3.S9
Tests with radioactive iodine in hamsters and rats.
Includes discussion.
- 69485 WELLMANN, G., and others. Chronic Erysipelothrix rhusiopathiae infection in laboratory rats. I-II. *J. Comp. Pathol.* 75(3):267-273, 275-279. Ref. July 1965. 41.8 J82
E. Thal, I. Grabell, and H. J. Hanson, joint authors.
- 69486 WRENN, T. R., DELAUDER, W. R., and BITMAN, J. Rat mammary gland composition during pregnancy and lactation. *J. Dairy Sci.* 48(11):1517-1521. Ref. Nov.1965. 44.8 J822
- 69487 ZAKI, M. M. The ability of *Corynebacterium ovis* to produce suppurative osteomyelitis and arthritis in white mice. *J. Comp. Pathol.* 76(2):121-126. Ref. Apr.1966. 41.8 J82
- 69488 ZICHA, B., and KUCERA, K. The effect of cortisone and ACTH on the values of the serum-glycoproteins in the X-irradiated rats. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(6):369-376. Ref. June 1965. 41.9 C333
English summary.

Miscellaneous

- 69489 BHATIA, B., and others. A forelimbs treadmill for small animals. *J. Appl. Physiol.* 21(3):1087-1088. May 1966. 447.8 J825
N. Krishnaswamy, V. N. Rao, R. Venkataraju, and K. Prema, joint authors. Laboratory animals.
- 69490 FOX, M. W. Environmental factors influencing stereotyped and allelomimetic behavior in animals. *Lab. Anim. Care* 15(5):363-370. Ref. Oct.1965. 410.9 P94
- 69491 KAHN, F. H., SIMMONS, D. H., and GUZE, L. B. A simple and inexpensive high altitude chamber for small animals. *J. Appl. Physiol.* 21(3):1085-1086. May 1966. 447.8 J825
Laboratory animals.
- 69492 KONISHI, F. Multiple exerciser for small laboratory animals. *J. Appl. Physiol.* 21(3):1083-1084. May 1966. 447.8 J825

POULTRY

Breeds and Breeding

- 69493 BURES, J., ed. Chov holubu [Breeding of pigeons]. Praha, Statni Zemedelske Nakladatelství, 1965. 344 p. SF465.B8

- 69494 CHHABRA, A. D., and DESAI, R. N. Inheritance of physical measurements and their relationship with some of the economic characters in White Leghorn breed of poultry. *Indian Vet. J.* 43(3):224-228. Ref. Mar.1966. 41.8 In2
- 69495 FAVRET, E. A. Genetic improvement of hens. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:31-33. Apr.1965. 9 Id3 Argentina.
- 69496 HALEY, L. E., ABPLANALP, H., and ENYA, K. Selection for increased fertility of female quail when mated to male chickens. *Evolution* 20(1):72-81. Ref. Mar.1966. 443.8 Ev62
- 69497 HURNIK, J. Evaluation of the heritability of mortality in the first year of laying with regard to breeding methods. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedecko-tech. Inform. Vet. Med. 38(9):569-576. Sept. 1965. 41.9 C333 English summary.
- 69498 KASICZKY, Z. Goose breeding in Olaszliszka. (Hu) *Baromfitenyesztes* 10(4):17. Apr.1966. 47.8 B262
- 69499 KLIMES, B. Breeding of poultry and the resistance to diseases. (Cz) *Veterinarstvi* 16(2):54-56. 1966. 41.8 V6439
- 69500 KOZAK, M. Duck breeding and rearing in the Bodrogkoz. (Hu) *Baromfitenyesztes* 10(4):14-15. Apr.1966. 47.8 B262
- 69501 KVINIKHIDZE, G. S. Polyploidy of nuclei of rudimentary lens in chick embryos at an early stage of embryogenesis. (Rus) *Akad. Nauk SSSR. Dokl.* 167:1427-1430. Ref. 1966. 511 P444A
- 69502 LAKE, P. E. A cytochemical examination of the spermatozoon of the domestic fowl. *Res. Vet. Sci.* 7(2):121-127. Ref. Apr.1966. 41.8 R312
- 69503 LANDSUDVALGET FOR FJERKRAEAVLEN. Beretning [Report of the Poultry Breeding Committee], 1964/65. Kobenhavn, 1965. 100 p. 47.9 D413
- 69504 LEVI, W. M. Encyclopedia of pigeon breeds. Jersey City, T. F. H. Publ., 1965. 790 p. Ref. SF465.L4
- 69505 LEWIS, J. B. Hybridization between wild and domestic turkeys in Missouri. *J. Wildlife Manage.* 30(2):431-432. Apr.1966. 410 J827
- 69506 OLSEN, M. W. Frequency of parthenogenesis in chicken eggs. *J. Hered.* 57(1):23-25. Ref. Jan./Feb.1966. 442.8 Am3
- 69507 PATRICK, H., and MARTIN, W. G. Metabolism of inorganic dietary sulfur-35, selenium-75, phosphorus-32 and arsenic by testes of cocks. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964: 487-497. 1965. QH324.3.S9
- 69508 PODANY, J., and MUZIKANT, J. Collecting and evaluating semen of the poultry breed Leghorn. (Cz) *Veterinarstvi* 16(4):159-161. 1966. 41.8 V6439
- 69509 SHLYAZHAS, A. Development of poultry farming in Lithuania. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 200: 55-57. July 1,1965. (JPRS 30,914; TT 65-31413) 173 J663Sove Breeding for egg production. Translation from Sovetskaya Litva, Feb.4, 1965:3.
- 69510 SHOOK, J. G., and others. How turkey breeders may select for feed conversion. *Ark. Agr. Exp. Sta. Bull.* 710,16 p. Apr.1966. 100 Ar42 J. E. Valentine, L. D. Andrews, and N. R. Gyles, joint authors.
- 69511 BRETTE, A., and PIAT, D. Comparative efficiencies of D-methionine, DL-methionine and the calcium salt of hydroxymethylthiobutyric acid for chickens. (Fr) *Ann. Zootech.* 14(4): 361-369. Ref. 1965. 49 F84 English summary. Feed supplementation.
- 69512 CALET, C., and FENDRY, M. Comparison of the efficiency of enantiomorphs of methionine for chickens. (Fr) *Ann. Zootech.* 14(4):351-359. Ref. 1965. 49 F84 English summary. Feeding effects on growth.
- 69513 CHAUDHARY, D. S., and CHATURVEDI, M. L. Utilization of waste blood from slaughter houses in poultry feed. *Indian Vet. J.* 43(3): 247-249. Mar.1966. 41.8 In2 Preparation of blood meal.
- 69514 DELIC, I., and others. The effect of various levels of alfalfa free of cellulose upon productive properties, certain blood components and pathomorphological alterations of chick. I. The effect of various levels of alfalfa free of cellulose upon the productive properties of chicks. (Cz) *Veterinaria [Sarajevo]* 14(3):295-300. 1965. 41.8 V6492 N. Vucurevic, N. Sijacki, B. Nikolic, and M. Vapa, joint authors. English summary. Meat production.
- 69515 DEMA, K. Experiment on two types of feed rations and the possibility of reducing the concentrates in the feeds of chickens of spring hatching. (Al) *Bul. Shkencave Bujqesore* 1:85-94. 1966. 21.5 B87 English summary.
- 69516 GARTNER, R. J. W., and BURTON, H. W. Evaluation of meat-and-bone meals in rations for growing chickens. I. Effect of varying levels of blood and bone. *Queensland J. Agr. Anim. Sci.* 22(1):1-15. Ref. Mar.1965. 23 Q37
- 69517 GEHLE, M. H., and BALLOUN, S. L. Selected hemocytological effects of vitamin B₆ deficiency in chicks. *J. Nutr.* 87(2):197-201. Oct.1965. 389.8 J82
- 69518 GRIFFITH, M. Investigation of the unidentified growth factor and phosphorus availability factor of soybeans with turkey poults. *Diss. Abs.* 26(10):5627. Apr.1966. 241.8 M58
- 69519 HAUGUM, E. Use of sour skim milk for layers and broilers. (No) *Fjorfe* 83(4):71-74. Apr. 1966. 47.8 T432
- 69520 HELMECZI, B. Improvement of feed management with microbiological methods. (Hu) *Debreceni. Agrartud. Foisk. Tud. Ulesszakanak.* Eloadasai 1964:67-82. Ref. 105.9 D354 English summary. Azotobacter biomass feeding of poultry.
- 69521 HOFFMANN, M., and UNGER, M. Use of hydroponic green feed in chick rearing. (Ge) *Arch. Geflugelzucht Kleintierkunde* 15(1):23-28. 1966. 47.8 Ar22 English summary. Corn.
- 69522 KETZ, H. A. Anti-microbial agents in poultry nutrition. (Ge) *Arch. Geflugelzucht Kleintierkunde* 15(1):29-39. Ref. 1966. 47.8 Ar22 English summary. Chiefly antibiotics.
- 69523 KIVIMAE, A., and ANSTRAND, G. Variations in level of feeding of layers and broilers. (Sw) *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 75:33-45. 1965. 11 Up62A
- 69524 KRAFT, S. Poultry nutrition. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:24-28. Apr.1965. 9 Id3 Argentina.
- 69525 LARSEN, G. Heavy or light feeding of White Plymouth Rock chicks. (Da) *Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarsskr.* 1965: 50-53. 275.9 L97
- 69526 LEWIS, D. Dietary amino acid allowances for layers. *Feedstuffs* 38(18):76,78. May 7,1966. 286.81 F322
- 69527 LILJEMARK, A. Quality of frozen chicken feed diets with a high content of fish fat and added antioxidant. *Int. Congr. Food Sci. Technol. Proc.* 1st Congr., v.2:75-84. 1962, pub.1965. TP368.I5

Feeds and Feeding

- 69529 LUPIN, P. J. Effects of pyridoxine deficiency and dietary cholesterol supplementation in the chick on plasma protein-bound iodine, glutamic-oxalacetic transaminase activity, and ^{14}C -acetate incorporation into cholesterol. *Can. J. Biochem.* 44(5):625-633. Ref. May 1966. 470 C16E
- 69529 MULLER, H. D. Comparative studies of open water and dry fattening of ducks. 2. (Ge) *Arch. Geflügelzucht Kleintierkunde* 15(2):63-86. Ref. 1966. 47.8 Ar22
English summary.
- 69530 NEHRING, K., and NERGE, I. Digestibility of various feed for geese. (Ge) *Arch. Geflügelzucht Kleintierkunde* 15(1):3-21. Ref. 1966. 47.8 Ar22
English summary.
- 69531 NIKOLIC, B., and others. The effect of various levels of alfalfa free of cellulose upon productive properties, certain blood components and pathomorphological alterations of chick. III. The effect of various levels of alfalfa free of cellulose upon pathomorphological alterations in chicks. (Cz) *Veterinaria [Sarajevo]* 14(3):305-313. Ref. 1965. 41.8 V6492
N. Sijacki, M. Vapa, and I. Delic, joint authors.
English summary.
Meat production.
- 69532 OKAMOTO, S., and others. Studies on utilization of castor pomace for an animal feed. II. Availability tests of the autoclaved pomace as an ingredient of broiler and layer rations. 9 p. *Transl.* 15933
O. Koga, I. Goto, M. Funatsu, M. Matusoka, and K. Murase, joint authors.
Translation from Kyushu University, Faculty of Agriculture. *Science Bulletin* 20(3):259-264. Mar.31,1963.
- 69533 OKAMOTO, S., and others. Studies on utilization of castor pomace for an animal feed. III. Further studies on detoxification and availability as a poultry feed. 13 p. *Transl.* 15916
O. Koga, I. Goto, T. Aramaki, M. Funatsu, T. Takahashi, C. Yamaguchi, S. Kusakawa, and K. Murase, joint authors.
Translation from Japanese Poultry Science 2 (1):1-10. Apr.1965.
- 69534 PANDA, N. C. Groundnut and sesame oil meals as protein sources in layer rations. *Indian Vet. J.* 43(3):241-246. Ref. Mar.1966. 41.8 In2
- 69535 PANIC, B., and others. Effect of cobalt and vitamin B₁₂ on the vitamin B₁₂ content in hens eggs and liver. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:387-400. Ref. 1965. QH324.3.S9
D. Stosic, V. Hristic, and M. Cuperlovic, joint authors.
Nutritive significance.
Includes discussion.
- 69536 PROD'HOMME, J. Calculation of an equation from which intake of feed by laying hens may be estimated from their performance. (Fr) *Ann. Zootech.* 14(4):335-339. 1965. 49 F84
English summary.
- 69537 PROD'HOMME, J., and MERAT, P. Intake of feed by laying hens of Cc and cc genotypes from different families. (Fr) *Ann. Zootech.* 14(4):341-350. Ref. 1965. 49 F84
English summary.
- 69538 QUISENBERRY, J. H. Research reports on factors that influence laying hen performance. *Feedstuffs* 38(20):28,32-35. May 21,1966. 286.81 F322
Chiefly effects of feeding.
- 69539 RAO, P. V., and others. Studies on economic poultry rations. I. An investigation on the inclusion of rice polishings, guar meal and gram chuni in the ration of growing chicks. *Indian Vet. J.* 43(2):143-149. Feb.1966. 41.8 In2
R. Mukherjee, S. Bose, and P. N. Vohra, joint authors.
- 69540 SAD-AKRABAWI, S., DAGHIR, N. J., and ROTTENSTEN, K. Methionine hydroxy analogue supplementation chick-starter diets. *Indian J. Vet. Sci. Anim. Husb.* 35(3):282-287. Ref. Sept.1965. 41.8 In22
- 69541 SHONE, G. G. Adverse effects of cyclopropanoid fatty acids. *Nutr. Soc. Proc.* 25(1):37-44. Ref. 1966. 389.9 N953
For layers.
- 69542 VAPA, M., and others. The effect of various levels of alfalfa free of cellulose upon productive properties, some blood components and pathomorphological alterations of chick. II. The effect of various levels of alfalfa free of cellulose upon some blood components. (Cz) *Veterinaria [Sarajevo]* 14(3):301-304. 1965. 41.8 V6492
N. Sijacki, B. Nikolic, and N. Vucurevic, joint authors.
English summary.
Meat production.
- 69543 WEBSTER, P. D., and TYOR, M. P. Effect of fasting and feeding on lipid metabolism of pigeon pancreas. *Amer. J. Physiol.* 210(5):1076-1079. Ref. May 1966. 447.8 Am3
Veterinary Medicine
- 69544 AITKEN, R. N. C. Post ovulatory development of ovarian follicles in the domestic fowl. *Res. Vet. Sci.* 7(2):138-142. Apr.1966. 41.8 R312
- 69545 APATENKO, V. M. Interaction of fowl pox virus with allantois cells of chick embryos. (Rus) *Veterinariya* 3:34-37. Mar.1966. 41.8 V6426
- 69546 ARTOPOIOS, E., and DESPOTOPOULOS, A. Hemorrhagic syndrome in poultry. (Gre) *Hellen. Kteniatrike Hetaireia. Delt.* 16(57/58):50-57. Ref. Jan./June 1965. 41.9 So18
French summary.
- 69547 BAIKOVSKAYA, I. P. The activity of alkaline phosphatase in the blood of healthy chicks and chickens. (Rus) *Vses. N.-I. In-t. Ptitsevodstva. Sb. Rabot. Molodykh Uchenykh* 7:140-143. 1964. Not in Libr.
Cited in Ref. *Zh. Biol. Khim.* 19:132. Oct.10. 1965. 241.7 R252
- 69548 BENTLEY, P. J. Hyperglycaemic effect of neurohypophysial hormones in the chicken, *Galus domesticus*. *J. Endocrinol.* 34(4):527-528. Apr.1966. 448.8 J8293
Especially vasopressin and oxytocin.
- 69549 BERRY, D. M. Inactivated infectious bronchitis vaccine. *J. Comp. Pathol.* 75(4):409-415. Oct.1965. 41.8 J82
- 69550 BIROVA-VOLOSINOVICOVA, V. Study of the exogenic development of eggs of *Heterakis gallinarum* under natural conditions. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):559-568. Sept.1965. 41.9 C333
English summary.
- 69551 BOLOGNESI, D. P., and WILSON, D. E. Inhibitory proteins in the Newcastle disease virus-induced suppression of cell protein synthesis. *J. Bacteriol.* 91(5):1896-1901. Ref. May 1966. 448.3 J82
- 69552 BULBENA, J. Notes on poultry diseases. (Sp) *Rev. Nac. Agr.* 57(723):37-40. (Cont.) July 1965. 9.4 R32
Colombia.
- 69553 BULBENA, J. Notes on poultry diseases. (Sp) *Rev. Nac. Agr.* 57(724):50-51. (Cont.) Aug. 1965. 9.4 R32
Colombia.
- 69554 BULBENA, J. Notes on poultry diseases. (Sp) *Rev. Nac. Agr.* 57(725):39-41. (Cont.) Sept.1965. 9.4 R32
Colombia.
- 69555 BULLING, E., and PIETZSCH, O. Salmonella bacteria in slaughtered poultry. (Ge) *Berliner Munchener Tierarztl. Wochensh.* 79(7):132-135. Ref. Apr.1,1966. 41.8 B45
English summary.

- 69556 CHRISTOPHER, J., and RAMANA, N. V. Death comes to poultry in diverse guises. *Indian Farming* 15(11):29,31-33. Feb.1966. 22 In283
- 69557 CONKLIN, J. L. Histochemical localization of enzymes in the embryonic chick liver. *J. Exp. Zool.* 161(2):251-257. Ref. Mar.1966. 410 J825
- 69558 DEVOS, A., and others. Bacteriological examination of hatchery chick fluff from commercial hatcheries. (Fl) *Vlaams Diergeneesk. Tijdschr.* 35(1):21-32. Ref. Jan.1966. 41.8 V84
N. Viaene, L. Spanoghe, and J. Van Impe, joint authors.
English summary.
- 69559 DUBEN, Z. Causes of losses of poultry in Czechoslovak large breeding farms. (Cz) *Veterinarstvi* 16(4):161-167. 1966. 41.8 V6439
- 69560 DUBEY, J. P., and PANDE, B. P. On some of the helminthic lesions in the Indian domestic duck (*Anas platyrhynchos domesticus*). *Indian J. Vet. Sci. Anim. Husb.* 35(3):190-196. Ref. Sept.1965. 41.8 In22
- 69561 DVORAK, R. Purified avian tuberculin for simultaneous tests. (Cz) *Veterinarstvi* 16(3):108-112. Ref. 1966. 41.8 V6439
Of poultry and cattle.
- 69562 ERMENKOV, I. I., and STANCHEV, KH. I. The dynamics of resorption and incorporation of S^{35} methionine into glutathione and the protein and sulphide fraction in the organs of hens. (Rus) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:433-448. Ref. 1965. QH324.3.S9
English summary.
- 69563 FERON, V. J., and STRATUM, P. G. C. VAN. The effect of furazolidone on broiler chickens fed rations containing amprolium or zoalene. II. Intoxication phenomena at continuous administration during six weeks. (Du) *Tijdschr. Diergeneesk.* 91(9):571-579. Ref. May 1,1966. 41.8 T431
English summary.
- 69564 GARKAVY, B. L. New trematode in domestic duck *Paramonostomum anatis* sp. nov. (*Natocolylinae* Kossak. 1911). (Rus) *Krashdarsk. N.-I. Vet. St. Tr.* 3:325-327. 1965. Not in Libr.
Intestinal flukes.
Abstracted in Ref. Zh. Biol. 22(sect.K):12. Nov.1965. 241.7 R25
- 69565 GERBER, A. The embryonic and postembryonic pterylosis of the *Alectoromorphae*. 43 p. Transl. 14854
Includes domestic poultry.
Translation from *Revue Suisse de Zoologie* 46(7):161-324. 1939.
- 69566 GRABER, M., and GRAS, G. A study of anthelmintic activity and toxicity of some organic tin compounds. VI. (Fr) *Rev. Elevage Med. Vet. Pays Trop.* (n.s.)19(1):7-14. Ref. 1966. 41.8 R3262
English summary.
Tests with tapeworms of poultry.
- 69567 GUERCIO, V. Hatcheries as a source for the spread of infectious disease of poultry. *Vet. Ital.* 16(10):702-706. Oct.1965. 41.8 C87
Text also in Italian, p.696-701.
- 69568 GUZSAL, E. Histological studies on the mature and post-ovulation ovarian follicle of fowl. *Acta Vet. [Budapest]* 16(1):37-44. 1966. 41.8 Ac83
- 69569 HAMILTON, C. M. Should I or should I not vaccinate for bronchitis? *Western Farmer* 43(11):25-26. May 1966. 47.8 W27
Infectious bronchitis of poultry.
- 69570 HARNACH, R., and KOZUSNIK, Z. Interference of mesogenic and lentogenic strains of the Newcastle virus and their share in the successful suppressing of the Newcastle disease of poultry in the Czechoslovak SSR. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):525-532. Ref. Sept.1965. 41.9 C333
English summary.
- 69571 HECHT, M., and BAYAT, R. Medical statistic and parasitological study in poultry practice. (Ge) *Tierarztl. Umsch.* 21(5):230,233-234. May 1,1966. 41.8 T445
- 69572 HESSE, K. R. The postembryonic pterylosis in pigeon races of different size. 48 p. Transl. 14853
Translation from *Z. Morph. u. Okol. Tiere* 45:616-655. 1957.
- 69573 HUGHES, B. A., and LOVELL, R. Virulence for chick embryos of *Escherichia coli* from cattle. I-III. *J. Comp. Pathol.* 76(2):171-179, 181-196. Ref. Apr.1966. 41.8 J82
- 69574 IVANKO, SH., and others. A contribution to the study of methionine metabolism in hens' eggs during incubation. (Rus) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:401-420. 1965. QH324.3.S9
Ya. Kiselovich, A. Grom, and M. Galai, joint authors.
English summary.
- 69575 JACKSON, N. A comparison of the toxicity of the coccidiostats diaveridine and pyrimethamine in the chick and the effect of antibiotic on the anti-folic activity of pyrimethamine. *Res. Vet. Sci.* 7(2):196-206. Ref. Apr.1966. 41.8 R312
Zinc bacitracin as the antibiotic.
- 69576 KAMBA, V., and HRABETA, P. Present veterinary problems in large poultry farms. (Cz) *Veterinarstvi* 16(3):117-120. 1966. 41.8 V6439
Includes control of diseases.
- 69577 KAZDA, J., and DVORAK, R. A contribution to the etiology of paralleric reactions to tuberculin of poultry. (Cz) *Veterinarstvi* 15(11):487-489. 1965. 41.8 V6439
- 69578 KLIMES, B. Economics of the losses of poultry in various countries caused by diseases and biological disorders. (Cz) *Veterinarstvi* 16(3):112-116. 1966. 41.8 V6439
- 69579 KNEZEVIC, N., and MARJANOVIC, D. Differential diagnosis of osteomyelosclerosis and osteopetrosis of poultry. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):537-539. Sept.1965. 41.9 C333
English summary.
- 69580 KNEZIK, J., FRIED, K. J., and JANTOSOVIC, J. General administration of piperazine and phenothiazine mixture in feed and water against ascaridiosis and heterakidiasis poultry under field conditions. (Cz) *Folia Vet.* 9(1/2):201-213. Ref. 1965. 41.8 F712
English summary.
- 69581 KNEZIK, J., KROIKOVA-VERESOVA, P., and RIECKY, L. Effectiveness of piperazine and phenothiazine mixture against *Ascaridia galli* and *Heterakis gallinae* in larval stage. (Cz) *Folia Vet.* 9(1/2):215-226. Ref. 1965. 41.8 F712
English summary.
- 69582 KOZUSNIK, Z., CERNOVSKY, J., and BURILOVA, E. Problem of the chronic respiratory diseases (mycoplasmosis) of poultry on Czechoslovak farms. (Cz) *Veterinarstvi* 16(1):18-23. 1966. 41.8 V6439
- 69583 KURVATOV, N. S. Control of aspergillosis in poultry. (Rus) *Veterinariya* 3:105-106. Mar. 1966. 41.8 V6426
- 69584 LACASSAGNE, L., and MONGIN, P. Sexual maturity and egg shell quality. (Fr) *Ann. Zootech.* 14(4):327-334. 1965. 49 F84
English summary.
- 69585 LOMBARDI, D. Neutralization index of normal chicken serum to infectious bronchitis virus, type Connecticut. *Vet. Ital.* 16(10):732-734. Oct.1965. 41.8 C87
Text also in Italian, p.728-731.
- 69586 LYABIN, B. YA., and others. Specific prophylaxis experience; infectious laryngotracheitis. (Rus) *Veterinariya* 3:54-56. Mar.1966. 41.8 V6426
L. A. Dmitrieva, V. A. Peskova, and O. V. Vinokhodov, joint authors.

- 69587 MASON, V. C., HANSEN, J. G., and JAKOBSEN, P. E. The metabolism and conversion of sulphate sulphur into amino acid sulphur in hens. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964: 421-432. 1965. QH324.3.S9
Use of radioactive sulfur.
- 69588 MICHELS, H. Use of S^{35} in studying the energy metabolism of domestic poultry. (Fr) *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:793-804. Ref. 1965. QH324.3.S9
English summary.
- 69589 MOHAN, R. N., SHARMA, K. N., and MEHROTRA, M. L. Tetratrichomonas gallinarum in the blood of chickens infected with spirochetes. *J. Protozool.* 13(2):341-344. Ref. May 1966. 439.8 J82
- 69590 MORRIS, J. E. Chick mesonephric regression and its control. *Diss. Abs.* 26(10):6251. Apr. 1966. 241.8 M58
- 69591 NARAYANA, J. V., and others. Gonadal teratomas in birds; a study of three cases. *Indian Vet. J.* 43(2):119-122. Feb. 1966. 41.8 In2
P. R. Rao, K. J. Christopher, G. M. Rao, and G. A. Sastri, joint authors.
Poultry.
- 69592 NIZNANSKY, F. The problem of vertically transmissible infectious diseases of poultry and possibilities for its solution. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):511-516. Ref. Sept. 1965. 41.9 C333
English summary.
- 69593 NORTON, C. C., and JOYNER, L. P. Experimental chemotherapy of infection with *Capillaria obsignata*. *J. Comp. Pathol.* 75(2):137-145. Ref. Apr. 1965. 41.8 J82
Poultry.
- 69594 PAVEL, YU. G., and PETERSON, K. A. On the use of formalinized erythrocytes in an indirect haemagglutination test. *Acta Vet. [Budapest]* 16(1):25-31. Ref. 1966. 41.8 Ac83
From *Salmonella gallinarum*-infected chicks.
- 69595 PEJSE, M., and KOLACEK, M. Avian vibrio hepatitis. (Cz) *Veterinarstvi* 16(4):167-170. 1966. 41.8 V6439
- 69596 PLEVA, J., and VRTIAK, J. Blood composition of poultry with fowl pest. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):533-536. Sept. 1965. 41.9 C333
English summary.
- 69597 POLAKOVA, M. Intensity of ascariasis of poultry and the effects of the number of *Ascaridia galli* on the weight of poultry. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(10):615-624. Ref. Oct. 1965. 41.9 C333
English summary.
- 69598 PORTER, P., and GOODERHAM, K. R. Changes in serum proteins and identification of a rheumatoid factor in a field outbreak of avian infectious synovitis. *Res. Vet. Sci.* 7(1):25-34. Ref. Jan. 1966. 41.8 R312
- 69599 PROCHAZKA, Z. Changes of white blood cell count in poultry following an increasing dose of X-rays. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(11):663-670. Ref. Nov. 1965. 41.9 C333
English summary.
- 69600 PROCHAZKA, Z., and HAMPL, J. Retention of 6-azauracil C^{14} in the tissues of poultry after its long term. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(8):489-494. Aug. 1965. 41.9 C333
English summary.
- 69601 PROHASZKA, L., and SZEKY, A. Histological and biological changes in the liver of young chicks. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(3):264-269. Mar. 1966. 41.8 Z5
English summary.
- 69602 RIGDON, R. H., SCHREIBER, M. H., and RICHARDSON, L. R. Spontaneous muscle necrosis in chicks fed adequate and deficient diets. *Amer. J. Vet. Res.* 27(117):583-587. Ref. Mar. 1966. 41.8 Am3A
- 69603 RONDA, E., and others. Behavior of fowl-plague virus propagated in several kinds of cells. *Microbiol. Espan.* 18(3/4):175-194. July/Dec. 1965. 448.3 M583
A. Garcia-Gancedo, M. L. Alonso, M. del P. Vilas, and E. Gallardo, joint authors.
- 69604 RUSOV, C. Myelogram of healthy poultry. (Se) *Vet. Glas.* 20(2):113-118. 1966. 41.8 J93
English summary.
- 69605 SANDA, A., and MERTLIK, J. Collection of urine from poultry and some of its biochemical indices. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):549-552. Sept. 1965. 41.9 C333
English summary.
- 69606 SCHMIDT, U. Prophylaxis and countermeasures against Newcastle disease (fowl plague) in East Germany. 11 p. (JPRS 11285; TT 62-19744) Transl. 14481
Translation from *Monatshefte fur Veterinarmedizin* 16(11):420-422. June 1961. CFSTI: \$1.60.
- 69607 SHCHESNO, T. YU. Features of the nucleic acid content in the skeletal muscles of flying and non-flying fowl. (Rus) *Zh. Evolyuts. Biokhimii i Fiziol.* 1(2):145-150. 1965.
Not in Libr.
English summary.
Includes chickens, guinea fowl, and turkeys. Abstracted in *Ref. Zh. Biol. Khim.* 19:140. Oct. 10, 1965. 241.7 R252
- 69608 SHEVTSOV, A. A. Helminthofauna of domestic ducks in the territory of Ukraine. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.169-179. Ref. 1965. 436 K544
- 69609 SIVARAM, S. On the structure of the adrenal cortex of *Gallus domesticus*. *Can. J. Zool.* 44(2):342. Mar. 1966. 470 C16D
- 69610 SKALKA, B. A contribution to the serodiagnosis of chronic respiratory diseases of poultry. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):517-523. Ref. Sept. 1965. 41.9 C333
English summary.
- 69611 SMITSAART, T. Health. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:33-34. Apr. 1965. 9 Id3
Poultry diseases in Argentina.
- 69612 SMOGORZHEVSKAYA, L. A., and ISKOVA, N. I. Helminth fauna of poultry of the right-bank steppe area of Ukrainian SSR. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.162-168. Ref. 1965. 436 K544
- 69613 SRIVASTAVA, H. D., and MALVIYA, H. C. Control of *Ascaridia galli*—the large intestinal roundworm of poultry. *Indian Vet. J.* 43(4):303-309. Ref. Apr. 1966. 41.8 In2
With piperazine citrate.
- 69614 SVOBODA, M. Effective and educational work of veterinary and zootechnical service for poultry breeders of the district of Gottwald. (Cz) *Veterinarstvi* 16(4):185-186. 1966. 41.8 V6439
- 69615 SVRCEK, S., VRTIAK, J., and LANI, D. Application of purified tuberculin for the diagnosis of tuberculosis in poultry. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(9):541-548. Ref. Sept. 1965. 41.9 C333
English summary.
- 69616 TASAKI, I., and TAKAHASHI, N. Absorption of amino acids from the small intestine of domestic fowl. *J. Nutr.* 88(4):359-364. Ref. Apr. 1966. 389.8 J82
- 69617 TELLO, M. P. Parasitism of domestic birds. (Por) *Gaz. Agr. [Lourenco Marques]* 17(191):115-119. Apr. 1965. 26 G25
- 69618 TEMPEL, K., and ZIPF, K. Deoxyribonucleases I and II of chick embryos during ontogenesis. (Ge) *Hoppe-Seyler's Z. Physiol. Chem.* 344(1/3):34-41. Ref. 1966. 384 Z38
English summary.

- 69619 TSUBOKURA, M. Studies on Salmonella pullorum phage. IV. Jap. J. Vet. Sci. 27(6):309-315. Ref. Dec.1965. 41.8 J27
- 69620 TUCKER, R. Differentiation of epithelial and connective tissue components in the tongue of Gallus domesticus. Res. Vet. Sci. 7(1):1-16. Ref. Jan.1966. 41.8 R312
- 69621 UPPAL, D. R., and RAO, S. B. V. Studies on the preparation of a spirochaete vaccine. I. Indian Vet. J. 43(3):191-195. Mar.1966. 41.8 In2
Tests on poultry; strains from Borrelia anserina.
- 69622 VAN TIENHOVEN, A., and others. Possible role of the thyroid and the pituitary glands in sex-linked dwarfism in the fowl. Endocrinology 78(5):950-957. Ref. May 1966. 44.8 En2
J. H. Williamson, M. C. Tomlinson, and K. L. MacInnes, joint authors.
- 69623 VERMA, B. B. A note on Hymenolepis [carica] infection in chickens. Indian Vet. J. 43(3):204-206. Mar.1966. 41.8 In2
- 69624 VINOKHOV, V. V. Biochemical serological changes in the blood serum of chicks treated with gamma-globulin and infected with fowl pox virus. (Rus) Leningrad. Vet. Inst. Sborn. Rabot. 26:56-61. 1965. 41.9 L54
Abstracted in Ref. Zh. Biol. Khim. 19:97. Oct.10,1965. 241.7 R252
- 69625 VOETEN, A. C. Treatment of hatching eggs with direct dipping method in a tylosin tartrate solution for prevention of Mycoplasma gallisepticum infection of chicks. (Ge) Tierarztl. Umsch. 21(5):227-230. May 1,1966. 41.8 T445
- 69626 VYAS, R., and BHATNAGAR, D. S. Digital palpation method in determining the time required for the expulsion of an egg from uterus in White Leghorn hens. Indian Vet. J. 43(2):137-143. Feb.1966. 41.8 In2
- 69627 WELS, A. Changes in the red blood cell picture in the fowl during and after six days without drinking water. (Ge) Zentralbl. Veterinarmed. Reihe A, 13(3):246-251. Ref. Mar.1966. 41.8 Z5
English summary.
- 69628 WIGHT, P. A. L. Histopathology of a chronic endophthalmitis of the domestic fowl. J. Comp. Pathol. 75(4):353-361. Ref. Oct.1965. 41.8 J82
- 69629 YU, W. C. Physiology of egg-laying of domestic fowls. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 159:1-5. Mar.15,1965. (JPRS 29,107; TT 65-30506) 173 J663Tcco
Translation from Chung-kuo Nung Yeh K'o Hsueh 5:31-33.
Issued by CFSTI.
- 69630 ZHDANOV, V. M., AZADOVA, N. B., and URYVAYEV, L. V. Topography and dynamics of synthesis of structural proteins of Newcastle disease virus. J. Bacteriol. 91(5):1902-1906. Ref. May 1966. 44.8 J82
- Miscellaneous
- 69631 ADHUYA, V. You can get four times more eggs. Indian Farming 15(12):16-17. Mar.1966. 22 In283
- 69632 BAKER, F. R., TOWER, B. A., and ROY, E. P. Performance of layers confined in single versus colony cages. La. Rural Econ. 28(2):8-9. May 1966. 281.8 L93
- 69633 BONINO, M. F. Evaluation of poultry plant efficiency for the production of eggs or meat. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:28-31. Apr.1965. 9 Id3
Records; Argentina.
- 69634 CORREIA, V. Efficient broiler production. (Por) Gaz. Agr. Angola 11(1):758-759. Jan. 1966. 24 G252
- 69635 DE BEER, J. A. First big egg-laying test in South Africa. Farming S. Afr. 42(1):43-45. Apr.1966. 24 So842
- 69636 FEHER, A. Achievements and problems of our poultry farms. (Hu) Baronfityeszes 10(4):5-7. Apr.1966. 47.8 B262
- 69637 HAYES, J. P. Yellow yolks—sun bleaches but feed enriches the colour. Farming S. Afr. 42(1):47-48. Apr.1966. 24 So842
- 69638 HOWES, J. R. The quail industry in the South-eastern U.S. Feedstuffs 38(18):126-127,130. May 7,1966. 286.81 F322
- 69639 HUBBARD, J. R. Broiler management. Auburn Univ. Ext. Circ. A-15,8 p.-folder. Mar. 1966. 275.29 AL14C
- 69640 HUBBARD, J. R. Poultry. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:52-53. 275.29 AL1Su
Extension programs.
- 69641 KELLERMANN, M. Utilization of fishpond in table duck rearing. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:53-66. Ref. 105.9 D354
German summary.
- 69642 MINATTA, M. J. Extension in poultry raising in the Province of Entre Rios. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:34-37. Apr. 1965. 9 Id3
- 69643 POTGIETER, S. T. Poultry—what are we aiming at. Farming S. Afr. 42(1):39,41-42. Apr. 1966. 24 So842
Industry.
- 69644 ROF CODINA, J. Progress in technical poultry raising: the domestic quail, meat and egg producer. I. (Sp) Cult. Mod. 48(12):453-454. Dec.1965. 15 C89
- 69645 ROF CODINA, J. Progress in technical poultry raising: the domestic quail, meat and egg producer. II. (Sp) Cult. Mod. 49(1):15-16. Jan. 1966. 15 C89
- 69646 RUHLAND, H. Intensive rearing of young hens. (Ge) Tierzucht 20(4):209-212. Apr.1966. 49 T443
- 69647 TANDON, H. P. Get ready for brooding of chicks. Intensive Agr. 2(11):18-19. Jan.1965. 22 In8
India.
- 69648 WARREN, R. Assess potential of cage pullets and layers. Feedstuffs 38(18):118-119. May 7, 1966. 286.81 F322
- 69649 ZYCH-BROWSKA, B., and SCHURCH, A. Investigations on the effect of environmental temperature on the growth of chicks with or without vitamin C enrichment of feed. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:43-48. Ref. 1966. 49.9 Sch92
- RABBITS**
- Breeds and Breeding
- 69650 BECKER, R. Thirty years of Angora performance testing in Halle (Saale). (Ge) Arch. Geflügelzucht Kleintierkunde 15(2):115-120. 1966. 47.8 Ar22
- Feeds and Feeding
- 69651 BAJO, S. Up-to-date feeding. (Hu) Baronfityeszes 10(4):30. Apr.1966. 47.8 B262
Formulas for rabbit.
- 69652 REDDY, B. S., and others. Iron and copper utilization in rabbits as affected by diet and germfree status. J. Nutr. 87(2):189-196. Ref. Oct.1965. 389.8 J82
J. R. Pleasants, D. R. Zimmerman, and B. S. Wostmann, joint authors.
- 69653 THOMANN, P. E., and LINDKVIST, G. Standard diets in rabbit rearing. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:17-20. 1966. 49.9 Sch92

Veterinary Medicine

- 69654 ADAMS, C. W. M., and MORGAN, R. S. Autoradiographic demonstration of cholesterol filtration and accumulation in atheromatous rabbit aorta. *Nature [London]* 210(5032):175-176. Ref. Apr.9, 1966. 472 N21
- 69655 BISHOP, J. O. Initiation of haemoglobin polypeptide chains. *Biochim. Biophys. Acta* 119(1):130-145. Ref. Apr.18, 1966. 381 B522 Rabbits.
- 69656 BOBEK, S. Antigoitrogenic properties of rutabaga (*Brassica rutabaga*) juice. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:517-531. Ref. 1965. QH324.3.S9
Studies with rabbits.
Includes discussion.
- 69657 CERNA, Z. Application of the indirect fluorescent antibody reaction for the demonstration of antibodies in coccidiosis of rabbits. (Ge) *Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 199(2):264-267. 1966. 448.3 C33
English summary.
- 69658 CHANG, M. C. Reciprocal transplantation of eggs between rabbit and ferret. *J. Exp. Zool.* 161(2):297-303. Ref. Mar.1966. 410 J825
- 69659 FRANDSEN, J. C. The occurrence of some carbohydrates and collagen in *Obeliscoides cuniculi* (Graybill, 1923), a nematode parasite of the rabbit. *Amer. Microscop. Soc. Trans.* 85(1):139-143. Ref. Jan.1966. 440.9 Am33
- 69660 GILL, B. S. Studies on the serological diagnosis of *Trypanosoma evansi*. *J. Comp. Pathol.* 75(2):175-183. Ref. Apr.1965. 41.8 J82
Tests with rabbit sera in studies of surra.
- 69661 HEBB, C., MANN, S., and PERKINS, D. Histochemical demonstration of catecholamines and of cholinesterases on adjacent sections of tissue. *J. Physiol.* 184(1):12P-13P. May 1966. 447.8 J82
In rabbits.
- 69662 HODESSON, S., and others. Anesthesia of the rabbit with equi-thesin following the administration of preanesthetics. *Lab. Anim. Care* 15(5):336-344. Ref. Oct.1965. 410.9 P94
S. T. Rich, J. O. Washington, and L. Apt, joint authors.
- 69663 HONG, R., and NISONOFF, A. Heterogeneity in the complementation of polypeptide subunits of a purified antibody isolated from an individual rabbit. *J. Immunol.* 96(4):622-628. Ref. Apr.1966. 448.8 J8232
- 69664 JAROSLOW, B. N., and TALIAFERRO, W. H. The effect of colchicine on the hemolysis response in unirradiated and irradiated rabbits. *J. Infect. Dis.* 116(2):139-150. Ref. Apr.1966. 448.8 J821
- 69665 KARDEVAN, A. Histologic investigations on the lesions caused by *Aspergillus fumigatus* in experimentally infected rabbits. (Hu) *Magyar Allatorv. Lapja* 21(4):157-160. Ref. Apr. 1966. 41.8 V644
English summary.
- 69666 KIRN, A., and others. The role of fever in pneumonia induced in rabbits by inoculation of vaccine virus. (Fr) *Inst. Pasteur. Ann.* 110(5):697-706. May 1966. 448.3 An75
A. Dammron, J. Braunwald, M. Lab, and R. Wurtz, joint authors.
English summary.
- 69667 MADONIA, J. V., BAHN, A. N., and CALANDRA, J. C. Salivary excretion of Coxsackie B-1 virus in rabbits. *Appl. Microbiol.* 14(3):394-396. May 1966. 448.3 Ap5
- 69668 NANGIA, S. S., and others. Haemorrhagic septicaemia oil adjuvant vaccine—study of potency test in rabbits—duration of immunity and keeping quality. *Indian Vet. J.* 43(4):279-287. Apr.1966. 41.8 In2
K. K. Baxi, T. S. Gulrajani, and C. Seetharaman, joint authors.
- 69669 PANDEYA, N. K., and LEMON, H. M. Paraldehyde: an anesthesia for recovery experiments in albino rabbits. *Lab. Anim. Care* 15(5):304-306. Oct.1965. 410.9 P94
- 69670 POOLE, N. F. A rapid ultramicro method for the direct determination of total plasma cholesterol in small animals. *Lab. Anim. Care* 15(6):426-431. Ref. Dec.1965. 410.9 P94
Tested in rabbits.
- 69671 SANT'AMBROGIO, G., DECANDIA, M., and PROVINI, L. Diaphragmatic contribution to respiration in the rabbit. *J. Appl. Physiol.* 21(3):843-847. May 1966. 447.8 J825
- 69672 SCHEFELS, W. Wirkung eines sympathiko- und eines parasympathikolytiks auf Hoden und Nebenhoden beim Kaninchen [Effect of a sympatholytic and parasympatholytic drug on testes and epididymis of rabbits]. *Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.]* 20,39 p. Ref. 1965. 41.2 M9222
Bibliography, p.32-39.
Guanethidine and diphenyl-piperidinoethylacetamide.
- 69673 SHUL'TS, R. S., and ISMAGILOVA, R. G. Study of immunological reactions of rabbits experimentally infected with *Cysticercus pisiformis*. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazyty i parazytozy cheloveka i zhivotnykh*, p.44-64. Ref. 1965. 436 K544
- 69674 TELLO, M. P. The domestic rabbit, its breeding and exploitation. (Por) *Gaz. Agr. [Lourenco Marques]* 17(191):112-115. (Cont.) Apr. 1965. 24 G25
Installment deals with diseases.
- 69675 WERNER, H. The spontaneous *Toxoplasma* infection in the domestic rabbit (*Oryctolagus cuniculus* L.). (Ge) *Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 199(2):259-263. Ref. 1966. 448.3 C33
English summary.

Miscellaneous

- 69676 BOYAZOGLU, P. A. Rabbit farming. *Farming S. Afr.* 42(1):15-17,28. Apr.1966. 24 So842
- 69677 MARSTON, J. H., RAND, G., and CHANG, M. C. The care, handling and anesthesia of the snowshoe hare (*Lepus americanus*). *Lab. Anim. Care* 15(5):325-328. Oct.1965. 410.9 P94
- 69678 PACS, I. Problems of large-scale rabbit raising. (Hu) *Baromfitenyesztes* 10(4):26-27. Apr.1966. 47.8 B262
Care and housing.

SHEEP AND GOATSBreeds and Breeding

- 69679 ARGYROPOULOS, I. N. Example of four sheep breeders. (Gre) *Greece. Hypourgeion Georgias. Deltion Georg. kon Epharmogon Ekpaideuseos* 6:172-174. Nov./Dec.1965. 275.249 G81
Use of artificial insemination.
- 69680 AUSTRALIAN SOCIETY OF BREEDERS OF BRITISH SHEEP. *Flock book for British breeds of sheep in Australia*. Vol. 58—section 1. Melbourne, 1966. 317 p. 45.9 Au72
- 69681 BHASIN, N. R., and DESAI, R. N. Studies on inheritance of characters concerning quality of wool-fibre in Chokla strain of sheep. *Indian Vet. J.* 43(2):133-137. Ref. Feb.1966. 41.8 In2
- 69682 COCKREM, F. R. M. The use of face cover in sheep breeding research. *Wool [Palmerston North]* 4(3):56-58. 1965/66. 45.8 W887
- 69683 CORRIEDALE SHEEP SOCIETY. *Flock book*. Vol XLII, 1965. Christchurch, 1965. 134 p. 45.9 C81

- 69684 CUMLIVSKI, B. The breeding standard of improved Sumava lambs and yearlings. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(2):103-112. Ref. Feb.1966. 49.9 C33 English summary.
- 69685 HAUGEN, O. J. Is breeding and economic progress in sheep husbandry satisfactory? (No) Sau Geit 19(2):50-53. Apr.1966. 45.8 Sa8
- 69686 JEFFERIES, B. C. Why not A. I. in sheep? Tasmanian J. Agr. 37(1):60-61. Feb.1965. 23 T182T
- 69687 KALE, S. M., BHAVE, V. S., and JAMKHEDKAR, P. P. Sporadic obstructive urolithiasis in rams. Indian Vet. J. 43(3):200-203. Mar. 1966. 41.8 In2
- 69688 OZHIN, F. B. Artificial insemination of sheep is an outstanding achievement of Soviet scientists. (Rus) Zhivotnovodstvo 4:56-61. Apr. 1966. 49 Z6
- 69689 QUITTET, E. Races ovines francaises [French sheep breeds]. Ed. 2. Paris, La Maison Rustique, 1965. 95 p., map. (Collection: Les Races d'Animaux Domestiques) SF373.A1Q8
- 69690 RAO, C. K. Studies on reproduction in Indian breeds of sheep—Bannur and Nilgiri breeds. Indian Vet. J. 43(2):130-133. Feb.1966. 41.8 In2
- 69691 RATHORE, A. K., and MUKHERJEE, D. P. Cyto-morphological changes in ram spermatozoa due to preservation in egg yolk citrate and egg yolk glycine dilutors. Indian Vet. J. 43(3):237-241. Ref. Mar.1966. 41.8 In2
- 69692 SCHAFER, H. Karakul breeding in South-West Africa and the contribution of German scientists to the development; summary review. (Ge) Deut. Tierarztl. Wochenschr. 73(8):184-186. (Cont.) Apr.15,1966. 41.8 D482
- 69693 SEALE, M. E. The inheritance of growth rate in purebred and crossbred lambs. Diss. Abs. 26(10):5670. Apr.1966. 241.8 M58
- 69694 STEPHENS, W. H. Control of sheath or pizzale rot (posthitis). Tasmanian J. Agr. 37(1):2-8. Feb.1966. 23 T182T
- 69695 STEYNBERG, H., and ERASMUS, F. Good management—more lambs. Farming S. Afr. 42(1):32,53,55. Apr.1966. 24 So842 Breeding.
- 69696 SWANSON, V. B. Genetic and economic factors in sheep production. Diss. Abs. 26(10):5628-5629. Apr.1966. 241.8 M58
- 69697 TYAGI, J. C., and MAHAR, U. S. Consequences of acclimatizing Polwarth sheep in Uttar Pradesh hills—growth rates of lambs and body weights of ewes. Indian Vet. J. 43(4):344-349. Apr.1966. 41.8 In2
- Feeds and Feeding
- 69698 AMMERMAN, C. B., and others. Nutrient digestibility by ruminants of poultry litter containing dried citrus pulp. J. Agr. Food Chem. 14(3):279-281. May/June 1966. 381 J8223 P. W. Walldroup, L. R. Arrington, R. L. Shirley, and R. H. Harms, joint authors. Sheep.
- 69699 BENSADOUN, A., and REID, J. T. Effect of physical form, composition and level of intake of diet on the fatty acid composition of the sheep carcass. J. Nutr. 87(2):239-244. Ref. Oct.1965. 389.8 J82
- 69700 DRAPER, S. A., HAYNES, N. B., and LAMMING, G. E. Effect of plane of nutrition on changes in the rate of wool growth in sheep induced by hexoestrol. Nature [London] 210(5032):222-223. Apr.9,1966. 472 N21
- 69701 GYORFFY, L. Rapid fattening of wether lambs. (Hu) Magyar Mezogazdasag 21(15):18. Apr.13, 1966. 19 M27
- 69702 KEMM, E. H. Supplement protein with fish meal. Farming S. Afr. 42(1):29,31. Apr.1966. 24 So842 For sheep feeding.
- 69703 KJAR, N. A. M. Stock feeding competition; 1965 results and comments. Tasmanian J. Agr. 37(1):63-72. Feb.1966. 23 T182T Sheep and cattle pasture feeding.
- 69704 MILFORD, R., and MINSON, D. J. The energy retention of lambs grazing S37 cocksfoot, S23 ryegrass and S24 ryegrass at low grazing pressure. Brit. Grassland Soc. J. 21(1):7-13. Ref. Mar.1966. 60.19 B773
- 69705 NEDKVITNE, J. J. Systematic fall feeding provides basis for big lamb yield. (No) Norsk Landbruk 22:10. Nov.5,1965. 11 N8122
- 69706 RAWES, M., and WELCH, D. Further studies on sheep grazing in the northern Pennines. Brit. Grassland Soc. J. 21(1):56-61. Mar.1966. 60.19 B773
- 69707 TAHIROVIC, N., and NESIC, P. Ethanol in the feeding of lambs. (Se) Veterinaria [Sarajevo] 14(1):25-30. Ref. 1965. 41.8 V6494 English summary. Meat production.
- 69708 WILKINS, R. J. The application of the in vitro digestion technique to some arid-zone fodders. Brit. Grassland Soc. J. 21(1):65-69. Ref. Mar. 1966. 60.19 B773 Sheep in Australia.
- 69709 ZIVKOVIC, R. The effect of feeding level on the weight and wool production of sheep. (Se) Savremena Poljoprivreda 13(9):735-742. Sept. 1965. 21 P75 English summary.
- Veterinary Medicine
- 69710 ADAVAL, S. C., KHURANA, J. S., and MUKERJI, D. P. Studies on blood coagulation of goats in India. II. Prothrombin time and prothrombin activity. Indian Vet. J. 43(2):101-105. Feb. 1966. 41.8 In2
- 69711 AGRAWAL, V. The effects of temperature on the survival and development of the free-living stages of Oesophagostomum columbianum Cur-tice, 1890 (Nematoda). Amer. Microscop. Soc. Trans. 85(1):99-106. Jan.1966. 440.9 Am33 Sheep nodular worm.
- 69712 EL AMROUSI, S., SOLIMAN, M. K., and YOUSSEF, L. B. Studies on the cerebrospinal fluid of healthy sheep. Indian Vet. J. 43(2):106-111. Ref. Feb.1966. 41.8 In2
- 69713 ANDREWS, E. D. Cobalt poisoning in sheep. New Zeal. Vet. J. 13(4):101-103. Aug.1965. 41.8 N483
- 69714 BELIKOV, M. N., and BANNIKOV, A. A. Resistance of Merino sheep to tularemia. (Rus) Veterinariya 3:31-34. Mar.1966. 41.8 V6426
- 69715 BERESFORD-JONES, W. P. Observations on Muellerius capillaris (Muller, 1889), Cameron, 1927. I. Res. Vet. Sci. 7(1):61-66. Ref. Jan. 1966. 41.8 R312 Sheep lungworm.
- 69716 CHRISTIE, M. G., and BRAMBELL, M. R. Acquired resistance to Haemonchus contortus in young lambs. J. Comp. Pathol. 76(2):207-216. Apr.1966. 41.8 J82
- 69717 COTTEW, G. S., and LLOYD, L. C. An outbreak of pleurisy and pneumonia in goats in Australia attributed to a Mycoplasma species. J. Comp. Pathol. 75(4):363-374. Ref. Oct. 1965. 41.8 J82
- 69718 DAVISON, A. N., and OXBERRY, J. M. A comparison of the composition of white matter lipids in swayback and border disease of lambs. Res. Vet. Sci. 7(1):67-71. Ref. Jan.1966. 41.8 R312
- 69719 DAWSON, T. J., and EVANS, J. V. Effect of hypoxia on oxygen transport in sheep with different hemoglobin types. Amer. J. Physiol. 210(5):1021-1025. Ref. May 1966. 447.8 Am3
- 69720 DEORANI, V. P. Histopathological studies in natural infection of goat coccidiosis. Indian Vet. J. 43(2):122-127. Ref. Feb.1966. 41.8 In2

- 69721 DESAI, I. D. Activity of lysosomal enzymes in white muscle disease. *Nature [London]* 209 (5030):1349. Mar.26,1966. 472 N21 In lambs.
- 69722 DIETRICH, F. M. Inhibition of antibody formation to sheep erythrocytes by various tumour-inhibiting chemicals. *Int. Arch. Allergy Appl. Immunol.* 29(4):313-328. Ref. 1966. 448.8 In8
- 69723 DOBSON, A., SCOTT, D., and MCDONALD, I. Salivary composition and hypomagnesaemia in grazing sheep. *Res. Vet. Sci.* 7(1):94-100. Jan.1966. 41.8 R312
- 69724 DRAWER, K. Leucosis in a sheep. (Ge) *Fleischwirtschaft* 45(5):474-475. May 1965. 280.38 F62 English summary.
- 69725 ELLIOT, J. M., and others. Effect of acetate and propionate on the utilization of energy by growing-fattening lambs. *J. Nutr.* 87(2):233-238. Oct.1965. 389.8 J82 D. E. Houge, G. S. Myers, and J. K. Loosli, joint authors.
- 69726 FITZSIMMONS, W. M. Experimental *Trichostrongylus colubriformis* infection in the goat. *Res. Vet. Sci.* 7(1):101-111. Ref. Jan.1966. 41.8 R312
- 69727 FORD, E. J. H., and LAWRENCE, J. A. Hepatic and serum changes following repeated administration of small amounts of carbon tetrachloride to sheep. *J. Comp. Pathol.* 75(2):185-200. Ref. Apr.1965. 41.8 J82
- 69728 GARDINER, A. C. Gel diffusion reactions of tissues and sera from scrapie-affected animals. *Res. Vet. Sci.* 7(2):190-195. Ref. Apr.1966. 41.8 R312 Sheep.
- 69729 GARDINER, M. R. Mineral metabolism in sheep lupinosis. I. Iron and cobalt. *J. Comp. Pathol.* 75(4):397-408. Ref. Oct.1965. 41.8 J82
- 69730 GILMOUR, N. J. L., HALHEAD, W. A., and BROTHERSTON, J. G. Studies of immunity to *Mycobacterium johnei* in sheep. *J. Comp. Pathol.* 75(2):165-173. Apr.1965. 41.8 J82
- 69731 GODWIN, K. O. Electrocardiograms of lambs in selenium deficiency. *Nature [London]* 209 (5027):1030-1031. Mar.5,1966. 472 N21
- 69732 GUILLERM, R., and others. Effects of light atmospheric ions on the ciliary activity of tracheal mucous membrane of sheep and rabbit. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(6):669-674. Feb.7,1966. 505 P21 R. Badre, J. Hee, and C. Razouls, joint authors.
- 69733 HENDERSON, A. E. Microclimate of the fleece. *New Zeal. Vet. J.* 13(4):86. Aug.1965. 41.8 N483
- 69734 HOVORKA, J., and PODHAJECKY, K. Dynamics of livestock losses caused by main helminthiasis in Czechoslovak SSR. Enterohelminthiasis and *Coenurus cerebralis* of sheep, especially in Slovakia. (Cz) *Folia Vet.* 9(1/2):263-269. 1965. 41.8 F712 German summary.
- 69735 HOVORKA, J., and PODHAJECKY, K. Dynamics of livestock losses caused by the main helminthiasis in Czechoslovak SSR. Sheep lungworms. (Cz) *Folia Vet.* 9(1/2):271-276. 1965. 41.8 F712 German summary.
- 69736 HOWARTH, J. A., and TERPSTRA, C. The propagation of Nairobi sheep disease virus in tissue culture. *J. Comp. Pathol.* 75(4):437-441. Ref. Oct.1965. 41.8 J82
- 69737 HUTCHINSON, J. S. M., and ROBERTSON, H. A. The growth of the follicle and corpus luteum in the ovary of the sheep. *Res. Vet. Sci.* 7(1):17-24. Ref. Jan.1966. 41.8 R312
- 69738 JAMES, L. F. Halogeton poisoning in sheep. *Nat. Wool Grower* 56(5):15,32. May 1966. 45.8 N21N
- 69739 JOHNSON, B. C., and others. ^{14}C -acetate and $^{14}\text{CO}_2$ metabolism in the ruminant. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:111-135. Ref. 1965. QH324.3.S9 J. R. Sabine, E. D. Mayfield, T. L. Huber, H. W. Essig, and A. J. Sheppard, joint authors. Sheep studied.
- 69740 JOLLY, R. D. The pathogenic action of the exotoxin of *Corynebacterium ovis*. *J. Comp. Pathol.* 75(4):417-431. Ref. Oct.1965. 41.8 J82 Bacteria isolated from a lesion of caseous lymphadenitis.
- 69741 KALE, S. M., PHADKE, A. V., and JAMKHEDEKAR, P. P. Clinical trials with methyridine (Promintic-I.C.I.) in sheep. *Indian Vet. J.* 43 (4):357-361. Apr.1966. 41.8 In2
- 69742 KALYAGIN, V. V., and VELIKOV, M. N. Role of anaplasmosis in the course of sheep tularemia. (Rus) *Veterinariya* 3:64-66. Mar.1966. 41.8 V6426
- 69743 KATTIYAR, R. D., and GARG, R. K. Anthelmintic efficacy of yomesan against tapeworms in sheep. *Indian Vet. J.* 43(4):310-314. Apr.1966. 41.8 In2
- 69744 KONA, E., and HAVASSY, I. Study of the distribution of glucose between the erythrocytes and plasma of mature sheep. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba* 39(2):113-120. Ref. Feb.1966. 49.9 C33 English summary.
- 69745 LENG, R. A. Further observations on ketone body metabolism in ketonaemic pregnant sheep. *Res. Vet. Sci.* 7(2):180-189. Ref. Apr.1966. 41.8 R312
- 69746 LEPPER, A. W. D., and MATTHEWS, P. R. J. Experimental mastitis produced by *Pseudomonas aeruginosa* in goats. *Res. Vet. Sci.* 7(2):151-160. Ref. Apr.1966. 41.8 R312
- 69747 LEVI, I., and RUKAVINA, L. Use of thiabendazole in suppressing gastro-intestinal and pulmonary strongylosis in sheep. (Cz) *Veterinaria [Sarajevo]* 14(3):403-406. 1965. 41.8 V6492 English summary.
- 69748 LLOYD, M. K. Metabolism of magnesium in sheep using magnesium-28. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:693-703. 1965. QH324.3.S9
- 69749 LOCKETT, M. F. The formation of peptides with uterine activity from ovine, human and bovine growth hormones and from bovine and ovine lactogenic hormones. *J. Physiol.* 183 (1):167-178. Ref. Mar.1966. 447.8 J82
- 69750 LYNE, A. G., and CHASE, H. B. Branched cells in the epidermis of the sheep. *Nature [London]* 209(5030):1357-1358. Mar.26,1966. 472 N21
- 69751 MCCLANAHAN, B. J., and others. Milk secretion of zinc and cadmium in the ruminant. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:173-188. 1965. QH324.3.S9 R. O. McClellan, J. R. McKenney, and L. K. Bustad, joint authors. Radioactive tracers in ewes. Includes discussion.
- 69752 MCDONALD, P. G. Relationship between progesterone and the hypothalamus in controlling luteinizing hormone secretion and release in the female sheep. *Diss. Abs.* 26(10):6132. Apr.1966. 241.8 M58
- 69753 MERKAL, R. S. Histochemical, serological, allergic, and cultural studies of experimental paratuberculosis in sheep. *Diss. Abs.* 26(10):5658. Apr.1966. 241.8 M58
- 69754 MILOSEVIC, Z. Myelography of sheep. (Se) *Veterinaria [Sarajevo]* 14(1):65-75. 1965. 41.8 V6494 English summary. Excerpt from thesis.

- 69755 MOOR, R. M., and ROWSON, L. E. A. The corpus luteum of the sheep: effect of the removal of embryos on luteal function. *J. Endocrinol.* 34(4):497-502. Ref. Apr.1966. 448.8 J8293
- 69756 MORGAN, W. J. B., and others. The degree of protection given by living vaccines against experimental infection with *Brucella melitensis* in goats. *World Health Organ. Bull.* 34(1):33-40. Ref. 1966. 449.9 W892B
A. I. Littlejohn, D. J. Mackinnon, and J. R. Lawson, joint authors.
- 69757 MULCOCK, A. P. The fleece as a habitat for micro-organisms. *New. Zeal. Vet. J.* 13(4):87-93. Ref. Aug.1965. 41.8 N483
- 69758 MULCOCK, A. P. Wool microbiology. *Wool [Palmerston North]* 4(3):41,43,45,47. Ref. 1965/66. 45.8 W887
- 69759 NEGI, S. S., LALL, J. M., and SINGH, G. Bearing of nutrition on Johne's disease—estimation of blood mineral levels in Johne's-infected goats. *Indian J. Vet. Sci. Anim. Husb.* 35(3):258-264. Ref. Sept.1965. 41.8 In22
- 69760 NEJESTIC, A. The applying of the qualitative and quantitative micro-agglutination test in diagnosis of the enzootic abortion in ewes. (Cz) *Veterinaria [Sarajevo]* 14(3):347-358. 1965. 41.8 V6492
English summary.
Excerpt from thesis.
- 69761 NEWBURN, E. Mucoprotein biosynthesis by ovine submaxillary gland. *Diss. Abs.* 26(10):5699-5700. Apr.1966. 241.8 M58
- 69762 NISBET, D. I., and others. Osteodystrophic diseases of sheep. II. Rickets in young sheep. *J. Comp. Pathol.* 76(2):159-169. Ref. Apr. 1966. 41.8 J82
E. J. Butler, B. S. W. Smith, J. M. Robertson, and C. C. Bannatyne, joint authors.
In Scotland.
- 69763 OWEN, E. C., and others. Pathological and biochemical studies of an outbreak of swayback in goats. *J. Comp. Pathol.* 75(3):241-251. Ref. July 1965. 41.8 J82
R. Proudfoot, J. M. Robertson, R. M. Barlow, E. J. Butler, and B. S. W. Smith, joint authors.
In Scotland.
- 69764 OWEN, L. N., KELLY, D. F., and PORTER, P. The effect of N.N.-di-(2 chlorethyl)-p-amino phenylbutyric acid (Chlorambucil) on sheep. *Res. Vet. Sci.* 7(1):35-44. Ref. Jan.1966. 41.8 R312
Includes blood cell count and serum protein study.
- 69765 PARKER, H. R., DUNGWORTH, D. L., and GALLIGAN, S. J. Renal hypertension in sheep. *Amer. J. Vet. Res.* 27(117):430-443. Ref. Mar.1966. 41.8 Am3A
- 69766 PATTISON, I. H. The relative susceptibility of sheep, goats and mice to two types of the goat scrapie agent. *Res. Vet. Sci.* 7(2):207-212. Apr.1966. 41.8 R312
- 69767 PATTISON, I. H. Resistance of the scrapie agent to formalin. *J. Comp. Pathol.* 75(2):159-164. Ref. Apr.1965. 41.8 J82
- 69768 POPOVICI, D., and others. Effectiveness of the castration of young rams with various methods. (Rus) *Folia Vet.* 9(1/2):305-313. 1965. 41.8 F712
I. Grigorescu, T. Ionescu, T. Popa, and D. Stancu, joint authors.
- 69769 POPOVICI, I., VIOR, C., and EUSTAFIEVICI, W. Study of the titration of tuberculin in sheep. (Ge) *Folia Vet.* 9(1/2):315-233. 1965. 41.8 F712
- 69770 PYKE, B. N. Some neonatal infections in lambs in the King Country. *New Zeal. Vet. J.* 13(4):94-100. Ref. Aug.1965. 41.8 N483
Chiefly on navel ill.
- 69771 RAGGI, F., and KRONFELD, D. S. Higher glucose affinity of hexokinase in sheep brain than in rat brain. *Nature [London]* 209(5030):1353-1354. Mar.26,1966. 472 N21
- 69772 SADYKOV, V. M. Echinococcosis of brain. (Rus) *Uzb. N.-I. In-t Veterinari. Tr.* 16:203-207. 1964. Not in Libr.
Sheep.
Abstracted in Ref. *Zh. Biol.* 22(sect.K):15. Nov.1965. 241.7 R25
- 69773 SAFAROV, YU. B., and KADYMOV, R. A. Oposonin phagocyte reaction in livestock immunization against anaerobic infections. (Rus) *Veterinariya* 3:112-113. Mar.1966. 41.8 V6426
Enterotoxemia and listeriosis in sheep.
- 69774 SAR, M., and CALHOUN, M. L. Microscopic anatomy of the integument of the common American goat. *Amer. J. Vet. Res.* 27(117):444-456. Ref. Mar.1966. 41.8 Am3A
- 69775 STAROVYBORNYY, I. KH. Castration of adult rams with closed suturation of wounds. (Rus) *Veterinariya* 3:80-82. Mar.1966. 41.8 V6426
- 69776 TANEJA, G. C. Estimates of repeatability of rectal temperature, respiration and pulse rate in sheep. *Indian Vet. J.* 43(4):314-318. Apr. 1966. 41.8 In2
- 69777 THORMANN, H. Blutspiegeluntersuchungen bei Schafen nach intramuskularer Injektion einer 20prozentigen Sulfamethylphenazol-Lösung [Blood picture studies of sheep following intramuscular injection of a 20% sulfamethylphenazol solution]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 11,21 p. Ref. 1965. 41.2 H198
- 69778 TSINGOVATOV, V. A., and FOTCHENKO, G. T. Effect of synthetic urea on certain processes of digestion in sheep. (Rus) *Fiziol. Zh. SSSR.* I. M. Sechenova 52(4):426-429. Apr.1966. 444.8 F58
- 69779 VODRAZKA, J., and BERECKY, I. Critical tests with methyridine against the sheep lungworms, *Dictyocaulus* and *Protostrongylus*. *Folia Vet.* 9(1/2):175-183. Ref. 1965. 41.8 F712
- 69780 WALLACE, G. V. Results from the use of fluorescein-labelled *Clostridium oedematiens* serum. *New Zeal. Vet. J.* 14(1):24-25. Jan./Feb.1966. 41.8 N483
In relation to black disease of sheep.
- 69781 WELS, A. Relationship of blood volume of goats to age and bodyweight. (Ge) *Zentralbl. Veterinarmed. Reihe A*, 13(3):239-245. Ref. Mar.1966. 41.8 Z5
English summary.
- 69782 WERTEJUK, M. On the infective larvae of the gastrointestinal nematodes of sheep, and their identification. 38 p. Ref. (OTS 61-31289) *Transl.* 14995
Translation from *Acta Parasitologica Polonica* 2(19):361-404. 1955.
CFSTI: \$2.00.
- 69783 WINTER, H. Automatic red cell counting in sheep. *J. Comp. Pathol.* 75(2):205-214. Ref. Apr.1965. 41.8 J82
Use of the "Celloscope."
- 69784 YODER, R. D. Interrelationships between protozoa and bacteria in rumen fermentation. *Diss. Abs.* 26(10):5626. Apr.1966. 241.8 M58
Tests with lambs.
- 69785 ZHARNIKOV, I. I. Copper and molybdenum content in the blood of healthy sheep and those sick with alimentary osteodystrophy. (Rus) *Mikroelementy v Sibiri. Inform. Byul.* 3:55-56. 1964. Not in Libr.
Cited in Ref. *Zh. Biol. Khim.* 19:141. Oct.10, 1965. 241.7 R252
- 69786 ZHARNIKOV, I. I. Dynamics of minor elements in the blood of pregnant sheep. (Rus) *Mikroelementy v Sibiri. Inform. Byul.* 3:59-60. 1964. Not in Libr.
Cited in Ref. *Zh. Biol. Khim.* 19:132. Oct.10, 1965. 241.7 R252

Miscellaneous

- 69787 BHATTACHARYA, P. Developing our sheep industry. *Indian Farming* 15(7):14-15. Oct. 1965. 22 In283

- 69788 BRANNON, W. F. The dairy goat. Cornell Univ. Ext. Cornell Ext. Bull. 1160, 20 p. Ref. Apr. 1966. 275.29 N48E
Care.
- 69789 GANDAR, L. W. Further results of second shear experiments—gaps in farmers' wool knowledge. Wool [Palmerston North] 4(3):49, 51, 53, 55. Ref. 1965/66. 45.8 W887
- 69790 GRIMWOOD, J. G. Practical shepherding in East Africa. Kenya Farmer 109:22-23. Aug. 1965. 24 R812
Sheep range management.
- 69791 HUGHES, J. G. High country sheep production. Wool [Palmerston North] 4(3):31, 33, 35, 37, 39. 1965/66. 45.8 W887
New Zealand.
- 69792 NAGARCENKAR, R., and BHATTACHARYA, P. Why sheep shed fleece. Indian Farming 15(11): 35. Feb. 1966. 22 In283
Seasonal losses.
- 69793 NEGI, G. C. There is money in sheep-rearing. Intensive Agr. 2(11):21-22. Jan. 1965. 22 In8
India.
- 69794 OREGON. AGRICULTURAL EXPERIMENT STATION. Summary of reports, 1966 sheep and wool day. Oreg. Agr. Exp. Sta. Spec. Rep. 216, 20 p. May 1966. 100 Or3M
- 69795 RAO, M. V. N., and MULLICK, D. N. Effect of climatic factors on the metabolism of nutrients in kids. Indian J. Vet. Sci. Anim. Husb. 35(3):289-296. Ref. Sept. 1965. 41.8 In22
Temperature and humidity.
- 69796 SIMMS, R. H. Feeding, managing, and exhibiting lambs. Ill. Univ. Ext. Circ. 924, 20 p. Jan. 1966. 275.29 IL62C
- 69797 TEMBLADOR VARELA, R. Chief operations in the handling of sheep. (Sp) Tierra [Mexico] 20 (8):634-635, 672-673. Aug. 1965. 8 T445
Care in Mexico.
- 69805 KVAPIL, O., and KOPECKY, O. The production properties, growth and carcass quality of the Landrace swine breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):15-26. Ref. Jan. 1966. 49.9 C33
English summary.
- 69806 KVAPIL, O., PLOCEK, F., and CVEJN, J. The effect of alternative cross-breeding on the production, capacity and carcass value of swine. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):3-14. Ref. Jan. 1966. 49.9 C33
English summary.
- 69807 LANDSUDVALGET FOR SVINEAVLENS LEDELSE. Svinestambog. LIII. Svin af Dansk Landrace udarbejdet af Rs. P. Jeppesen [Swine herdbook. LIII. Swine of Danish Landrace, by Rs. P. Jeppesen]. Odense, 1966. 317 p. 46.9 Sa4
- 69808 MARJANOV, M. A contribution to the study of the effect of some sexual and gonadotrophic hormones upon the reproduction capability of swine. (Se) Veterinaria [Sarajevo] 14(2): 207-220. 1965. 41.8 V6494
English summary.
Excerpt from thesis.
- 69809 NATIONAL PIG BREEDERS' ASSOCIATION. Herd book, 1965. Watford, Herts., 1965. 256 p. 46.9 N21H
Contains entries of seven breeds.
- 69810 NEW ZEALAND PIG BREEDERS' ASSOCIATION. New Zealand herd book. Volume 46, 1965. Palmerston North, 1966. 222 p. 46.9 N48
- 69811 OLLIVIER, L. Increase in thickness of back fat in the growing boar. (Fr) Ann. Zootech. 14(4):391-399. Ref. 1965. 49 F84
English summary.
- 69812 RITTLER, A. The use of ultrasonic measuring as an aid to breeding value estimation in young boars. (Ge) Zuchtungskunde 38(1/2):11-22. Jan./Feb. 1966. 49 Z8
English summary.
Back fat and muscle thickness measurement.
- 69813 SEKHON, G. S., and GEHLON, M. S. Breeding season in Yorkshire sows in arid areas. Indian Vet. J. 43(4):350-353. Apr. 1966. 41.8 In2
- 69814 SIMUNIC, B., and others. Study of bacteriological flora in the semen of boars. (Se) Vet. Arh. 35(11/12):306-312. 1965. 41.8 V6416
J. Lukacevic, T. Kolumbic, K. Abram, and L. Milakovic, joint authors.
English summary.
- 69815 SKARMAN, S. Final report on the crossbreeding trials with swine of Swedish Landrace and Yorkshire. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75:66-72. 1965. 11 Up62A
- 69816 SUNDGREN, P. E. Use of radiosonde for the selection of sows and boars. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75: 73-76. 1965. 11 Up62A

SWINE

Breeds and Breeding

- 69798 DRAZAN, J. Problems of swine breeding on big farms. (Cz) Veterinarstvi 16(1):14-18. 1966. 41.8 V6439
- 69799 GEORGIA. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. More pigs—more profit. Ga. Univ. Ext. Circ. 554, 4 p. Feb. 1966. 275.29 G29C
Hog management during breeding.
- 69800 GERWIG, C. Application of supersonic vibration experiments for estimation of slaughter quality in boars. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:32-34. 1966. 49.9 Sch92
- 69801 GERWIG, C. Rearing and feeding of boars in individual performance testing. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:34-37. 1966. 49.9 Sch92
- 69802 KAPLAN, F. The effect of an injection of different doses of atropine on the ejaculated semen of boars of the Czechoslovak Improved White swine breed. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(2):93-102. Ref. Feb. 1966. 49.9 C33
English summary.
- 69803 KOPECKY, O., and PASICNA, N. On the study of relations of some indices of meat production in barrows and gilts of the Czechoslovak Improved White swine breeds. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1): 35-44. Ref. Jan. 1966. 49.9 C33
English summary.
- 69804 KOZUMPLIK, J., and DVORAK, J. Effect of the frequency of collecting boar's ejaculate on the level of ascorbic acid in semen. (Cz) Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(10): 595-604. Ref. Oct. 1965. 41.9 C333
English summary.
- 69817 BAKER, D. H., and others. Quantitative evaluation of the threonine, isoleucine, valine and phenylalanine needs of adult swine for maintenance. J. Nutr. 88(4):391-396. Ref. Apr. 1966. 389.8 J82
D. E. Becker, H. W. Norton, A. H. Jensen, and B. G. Harmon, joint authors.
- 69818 BAKER, D. H., and others. Some qualitative amino acid needs of adult swine for maintenance. J. Nutr. 88(4):382-390. Ref. Apr. 1966. 389.8 J82
D. E. Becker, H. W. Norton, A. H. Jensen, and B. G. Harmon, joint authors.
- 69819 CARPENTER, K. J., and L'ESTRANGE, J. L. Effects of moderate levels of oxidized fat in animal diets under controlled conditions. Nutr. Soc. Proc. 25(1):25-31. Ref. 1966. 389.9 N953
Pig and poultry.

Feeds and Feeding

- 69820 DRAUSCHKE, W. Reflections on nutrient economy and management in shortening the suckling period in piglet rearing. (Ge) Tierzucht 20(4):201-205. Apr.1966. 49 T443
- 69821 DRESSLER, D. Mineral feed and protein concentrates for swine. (Ge) Muhle 102(38):721-722. Sept.23,1965. 298.8 M89
- 69822 DYRENDAL, S. Early weaning of swine. (Sw) Var Naring 42(6/7):173,175. 1965. 44.8 M692
- 69823 EBERHARDT, W. Swine feeding with feed supplements. II. (Ge) Tierzuchter 18(8):248-249. Apr.20,1966. 49 T445
Macro-and minor elements.
- 69824 FROLICH, A., and THOMKE, S. Protein supply for slaughter swine. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75:12-19. 1965. 11 Up62A
- 69825 GABRIS, J., and CAJKOVA, A. Changes in the lactic acid content of the meat of pigs fed on sugar before slaughtering. (Cz) Folia Vet. 9(1/2):25-30. Ref. 1965. 41.8 F712
English summary.
- 69826 GREER, S. A. N. Effect of level and source of dietary fat on serum cholesterol, and aortic and coronary lesions in swine. Diss. Abs. 26(10):5980. Apr.1966. 241.8 M58
- 69827 HELLBERG, A. Factors influencing the voluntary feed consumption of livestock. (Sw) Var Naring 42(4):92-93. 1965. 44.8 M692
Palatability of feed to swine.
- 69828 ISAKOV, D., ZIVKOVIC, S., and TRIFUNOVIC, D. The effect of high levels of chlortetracycline, sulfamethazine and procaine penicillin in rations for early weaned pigs on their production. (Se) Savremena Poljoprivreda 13(9):721-733. Ref. Sept.1965. 21 P75
English summary.
- 69829 JARQUIN, R., and others. Effect of cooking and calcium and iron supplementation on gossypol toxicity in swine. J. Agr. Food Chem. 14(3):275-279. Ref. May/June 1966. 381 J8223
R. Bressani, L. G. Elias, C. Tejada, M. Gonzalez, and J. E. Braham, joint authors.
In cottonseed meal.
- 69830 JUNGENSEN, O. Aids in swine feeding. (Da) Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarskr. 1965:21-24. 275.9 L97
From the swine testing associations.
- 69831 KAPLAN, F. The effect of raising sows for two generations on a varying proportion of bulk and concentrate feeds on the fattening capacity of their offsprings. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):27-34. Ref. Jan.1966. 49.9 C33
English summary.
- 69832 KIRSCH, W., and others. Swine feeding experiment with a root crop meal according to linear programming. (Ge) Tierzuchter 18(7):218-219. Apr.5,1966. 49 T445
W. Gmelin, M. Fender, and D. Fewson, joint authors.
- 69833 MOULICK, S. K., BHATTACHARYA, S., and GUPTA, S. Effects of terramycin, aureomycin and high level of copper sulphate on growing pigs. Indian J. Vet. Sci. Anim. Husb. 35(3):275-281. Ref. Sept.1965. 41.8 In22
- 69834 MULLER, F. The Fattening Testing Institute for Swine at the Study and Research Institute of Echem [Mastprufungsanstalt fur Schweine an der Lehr- und Versuchsanstalt Echem]. (Ge) Unser Milchvieh 18(4):11-12. Apr.1966. 43.8 Un7
- 69835 MULLER, E. Versuche zur oralen Applikation von Sulfamethylphenylpyrazol an Mastschweinen bei Gruppenfütterung [Experiments on oral application of sulfamethylphenylpyrazole to fattening swine in group feeding]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 8,52 p. Ref. 1965. 41.2 H198
Therapeutic use of sulfonamide preparation "Vesulong" (Ciba 18605).
- 69836 PETTERSSON, A. Recent research on sow feeding (literature review). (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75:26-32. 1965. 11 Up62A
Effects of feeding on reproductive performance and lactation.
- 69837 PHELPS, R. A. Use of iron salts to counteract gossypol in cottonseed meal. Feedstuffs 38(18):90,92,94. May 7,1966. 286.81 F322
For swine and poultry.
- 69838 POLYAKOV, YU. A. Weaning of piglets at the age of one month is economically profitable. (Rus) Zhivotnovodstvo 4:72-73. Apr.1966. 49 Z6
- 69839 SCHULMAN, A. Spray dried pig plasma in the feed for piglets, and the possibility of sterilizing plasma by irradiation. Nord. Veterinaarmed. 18(3):158-161. Mar.1966. 41.8 N813
- 69840 SHARMA, M. P., SMITH, F. H., and CLAWSON, A. J. Effects of levels of protein and gossypol, and length of feeding period on the accumulation of gossypol in tissues of swine. J. Nutr. 88(4):434-438. Ref. Apr.1966. 389.8 J82
- 69841 THOMKE, S., and FROLICH, A. Varying intensity in feeding of slaughter swine. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 75:20-25. 1965. 11 Up62A
- 69842 THORBEK, G. Digestibility of fat in relation to Ca and P content of feed. (Sw) Nord. Jordbrugsforsk. 48(1):20-25. 1966. 11 N752
Experiments with swine.
- 69843 WALLACE, H. D., and others. Feed restriction of swine during the finishing period. Fla. Agr. Exp. Sta. Bull. 706,34 p. Ref. Feb.1966. 100 F66S
A. Z. Palmer, J. W. Carpenter, and G. E. Combs, joint authors.
- 69844 YUGINA, A. D. Effect of AD₂ and AD₂ B₁₂ vitamin additives on fertility of sows. (Rus) Zhivotnovodstvo 4:70-72. Apr.1966. 49 Z6
- 69845 ZIVKOVIC, S., and others. The effect of high levels of aureomycin, sulfamethazine and procaine penicillin in the rations of swine for fattening. (Se) Savremena Poljoprivreda 13(10):809-818. Ref. Oct.1965. 21 P75
B. Jovanovic, D. Gradinac, A. Adzic, and D. Trifunovic, joint authors.
English summary.

Veterinary Medicine

- 69846 AGANOVIC, F. A contribution to the study of the problem of trichinosis in FR Bosnia and Herzegovina. (Se) Veterinaria [Sarajevo] 14(1):123-126. 1965. 41.8 V6494
English summary.
Infection of man through contaminated pork.
- 69847 AHO, K., and others. Serologic features of mycoplasma arthritis in swine. J. Immunol. 96(4):646-649. Ref. Apr.1966. 448.8 J8232
W. P. Switzer, R. W. Lightfoot, and C. L. Christian, joint authors.
- 69848 ASSO, J., AYNAUD, J. M., and GORHE, D. Relationship between the heat resistance and pathogenicity of different clones of foot-and-mouth disease virus in swine. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1604-1607. Apr.4,1966. 505 P21
- 69849 BARNES, H. M., and SMITH, J. B. Hog cholera free Ohio. Ohio. State Univ. Ext. L-126, 8 p.-folder. 1965? 275.29 Oh32EL
- 69850 BARTKO, P. Iron metabolism in swine. Iron content in the milk of swine and iron excretion by urine. (Cz) Folia Vet. 9(1/2):99-103. Ref. 1965. 41.8 F712
English summary.
- 69851 BARTKO, P. Iron metabolism in swine. Serum iron level in piglets and swine. (Cz) Folia Vet. 9(1/2):91-98. Ref. 1965. 41.8 F712
English summary.
- 69852 BIBRACK, B. Isolierung und Charakterisierung eines Adenovirus aus Nieren vom Schwein [Isolation and characterization of kidney-adenovirus of swine]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 2,38 p. Ref. 1965. 41.2 M9222

- 69853 BOHNE, F. Foot-and-mouth disease in Lower Saxony, problems in control measures—experience in slaughter procedures. (Ge) Deut. Tierarztl. Wochenschr. 73(6):121-124. Mar.15, 1966. 41.8 D482
English summary.
Swine.
- 69854 BRANDLY, P. J., and MURTISHAW, T. R. The current status of trichinosis in the United States. (Ge) Fleischwirtschaft 45(10):1164-1166. Oct.1965. 280.38 F62
English summary.
From pork.
- 69855 CALLEAR, J. F. F., and SMITH, I. M. The effect of furazolidone on Escherichia coli infection of newborn piglets. Brit. Vet. J. 122(4): 169-176. Apr.1966. 41.8 V643
- 69856 CARTWRIGHT, S. F., and others. A cytopathic virus causing a transmissible gastroenteritis in swine. I. J. Comp. Pathol. 75(4):387-396. Ref. Oct.1965. 41.8 J82
H. M. Harris, T. B. Blandford, I. Fincham, and M. Gitter, joint authors.
- 69857 COGGINS, L., and HEUSCHELE, W. P. Use of agar diffusion precipitation test in the diagnosis of African swine fever. Amer. J. Vet. Res. 27(117):485-488. Ref. Mar.1966. 41.8 Am3A
- 69858 CRISTEA, I., SECASIU, V., and CERNI, I. The clinical and laboratory investigation of a paracetosis focus in piglets. (Rum) Microbiol. Parazitol. Epidemiol. 11(1):65-70. Ref. Jan./Feb.1966. 448.3 M584
English summary.
- 69859 DUNCAN, J. R., and others. Pathology of experimental Bordetella bronchiseptica infection in swine; atrophic rhinitis. Amer. J. Vet. Res. 27(117):457-466. Ref. Mar.1966. 41.8 Am3A
R. F. Ross, W. P. Switzer, and F. K. Ramsey, joint authors.
- 69860 DUNCAN, J. R., and RAMSEY, F. K. Pathology of experimental Bordetella bronchiseptica infection in swine; pneumonia. Amer. J. Vet. Res. 27(117):467-472. Ref. Mar.1966. 41.8 Am3A
- 69861 EICH, K. O. Spontaneous uterus rupture of swine and its surgical treatment. (Ge) Deut. Tierarztl. Wochenschr. 73(8):182. Apr.15,1966. 41.8 D482
- 69862 ERCEGAN, M., and POPOVIC, M. A contribution to the evaluation of the Taylor test in the diagnosis of hog cholera. 2. The value of the test in regard to the age of swine that died from hog cholera and duration of the disease. (Se) Vet. Glas. 19(12):921-924. 1965. 41.8 J93
English summary.
- 69863 GABRIS, J. Relations between the blood composition of sows and sucklings. (Cz) Folia Vet. 9(1/2):123-133. Ref. 1965. 41.8 F712
English summary.
- 69864 GABRIS, J., and BRINCKO, A. Study of the relation between the number of teats of sows and their efficiency. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(2):87-92. Ref. Feb.1966. 49.9 C33
English summary.
Effect on the weight of baby pigs.
- 69865 GABRIS, J., and KOLDE, K. Blood picture of sows during gravidity and puerperium. (Cz) Folia Vet. 9(1/2):83-90. 1965. 41.8 F712
English summary.
- 69866 GINTHER, O. J., and BUBASH, G. R. Experimental Microsporidium nanum infection in swine. Amer. Vet. Med. Ass. J. 148(9):1034-1037. Ref. May 1,1966. 41.8 Am3
- 69867 GOLOVATSKII, I. D., and PUPIN, I. G. Conversion of pentose, hexose, and their metabolites in liver tissue. (Uk) Fiziol. i Biokhimiya Sil's'kohospod. Tvaryn 2:54-60. 1964.
Not in Libr.
Russian summary.
Swine.
Abstracted in Ref. Zh. Biol. Khim. 19:136. Oct.10,1965. 241.7 R252
- 69868 GORDON, M. Experiences with peat for foot-and-mouth disease in swine herds. (Ge) Torfnachrichten 16(7/8):13-15. July/Aug.1965. 57.8 T632
- 69869 GRANT, C. A. Animal diseases associated with autooxidation of dietary fat. Nutr. Soc. Proc. 25(1):18-24. Ref. 1966. 389.9 N953
Chiefly pigs.
- 69870 HANSARD, S. L. The physiological role of iron in nutrition of growing pigs. Radiol. Anim. Nutr. Physiol. Proc. 1964:319-337. Ref. 1965. QH324.3.S9
- 69871 HANTSCHER, H. Immuno-electrophoretic studies on the sera of healthy and hog cholera infected swine. (Ge) Arch. Exp. Veterinarmed. 19(6):1323-1340. Ref. Dec.1965. 41.8 Ex7
- 69872 HEUSCHELE, W. P., COGGINS, L., and STONE, S. S. Fluorescent antibody studies on African swine fever virus. Amer. J. Vet. Res. 27(117): 477-484. Ref. Mar.1966. 41.8 Am3A
- 69873 HOORENS, J., OYAERT, W., and THOONEN, H. Epiphyseolysis of the head of the femur of swine. (Fl) Vlaams Diergeneesk. Tijdschr. 38(1):16-20. Jan.1966. 41.8 V84
English summary.
- 69874 INUKAI, Y., and KODAMA, H. Studies on hemolytic Escherichia coli of O-139; a certain factor essential for hemolysin production. Jap. J. Vet. Res. 13(3):87-95. Sept.1965. 41.8 V6446
Isolated from swine suffering from edema disease.
- 69875 ISHIKAWA, S. Reliability of polyethyleneglycol as an indicator for digestion studies with swine. I. Agr. Biol. Chem. 30(3):278-284. Ref. Mar. 1966. 385 Ag8B
- 69876 KACMAR, P., and BARTIK, M. Certain quantitative relations of nitrate and nitrite metabolism in farm animals. IV. Normal nitrate levels in the organs and body liquids of swine. Folia Vet. 9(1):59-63. 1965. 41.8 F712
- 69877 KARLOG, O. Nitrite-containing condensation water as a cause of poisoning of swine. (Da) Danske Dyrlaegerfor. Medlemsbl. 49(10):444-445. May 15,1966. 41.9 D23
- 69878 KARLOVIC, M., VRAZIC, O., and DREZANCIC, I. Treatment of hyostroglyosis in pigs with thiabendazole. (Se) Veterinar 13(9/10):387-389. Ref. 1965. 41.8 V6459
English summary.
- 69879 KOVALENKO, YA. R., BURBA, L. G., and SIDOROV, M. A. Pathologic-anatomic changes in cases of African swine fever. 7 p.
Transl. 14538
Translation from Veterinariya 41(6):35-40. June 1964.
- 69880 KOVALEV, V. F. Influence of antibiotics on immunogenesis in experimental swine erysipelas. (Rus) Veterinariya 3:52-53. Mar.1966. 41.8 V6426
- 69881 KUKA, A., and DIZDARI, F. Epizootology of pig erysipelas in Albania and measures to fight the disease. (Al) Bul. Shkencave Bujqesore 1: 116-128. Ref. 1966. 21.5 B87
English summary.
- 69882 KULESKO, I. I., and SOBKOV, A. I. Diagnosis of hog cholera by method of diffusion precipitation reaction. (Uk) Veterinariya 5:49-56. 1965.
Not in Libr.
Abstracted in Ref. Zh. Biol. Khim. 21:112. Nov.25,1965. 241.7 R252
- 69883 MAHNEL, H., and BIBRACK, B. Isolation of adenoviruses from kidney cell cultures of normal slaughter swine. (Ge) Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. I. Orig. 199 (3):329-338. Ref. 1966. 448.3 C33
English summary.
- 69884 MAIOROV, B. A., and IVANOVA, P. S. Treatment of swine for intestinal parasites. (Rus) Veterinariya 3:66-67. Mar.1966. 41.8 V6426
Intestinal worms.
- 69885 MANGOLD, D. W. Effect of air temperature on energy utilization of growing-finishing swine. Diss. Abs. 26(10):5932-5933. Apr.1966. 241.8 M58
- 69886 MARIENBURG, M. Leukosis of a swine. (Ge) Monatsh. Veterinarmed. 21(5):193. Mar.1,1966. 41.8 M742

- 69887 MILIC, D., and others. Use of normal homologous gamma globulin in the prophylaxis of breeding diseases of piglets. (Cz) *Veterinaria [Sarajevo]* 14(3):327-329. 1965. 41.8 V6492
B. Vasic, N. Vasic, I. Rajic, B. Silobad, Z. Kesci, and S. Tasic, joint authors.
English summary.
- 69888 NEUMANN, H. J. Propositions on intensifying the control of enzootic pneumonia in swine herdbook breeding and on inspection of healthy stands. (Ge) *Tierarztl. Umsch.* 21(5):219-222. Ref. May 1, 1966. 41.8 T445
- 69889 O'HARA, P. J., and SHORTRIDGE, E. H. Congenital anomalies of the porcine central nervous system. *New Zeal. J.* 14(1):13-18. Ref. Jan./Feb. 1966. 41.8 N483
- 69890 O'HARA, P. J., and SHORTRIDGE, E. H. Some diseases of the porcine central nervous system in New Zealand. *New Zeal. Vet. J.* 14(1):1-12. Ref. Jan./Feb. 1966. 41.8 N483
- 69891 OLSSON, B. Prophylactic and therapeutic iron treatment of baby pigs. (Sw) *Svensk Veterinartidn.* 18(6):179-185. Mar. 1966. 41.9 Sv23
Anemia.
- 69892 OTOUPAL, P. Histopathological changes in swine irradiated with gamma rays. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(11):647-656. Ref. Nov. 1965. 41.9 C333
English summary.
- 69893 OTOUPAL, P., PAWEL, O., and KALOUSOVA, A. Pathologic and anatomic findings in swine. (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(11):641-646. Ref. Nov. 1965. 41.9 C333
English summary.
- 69894 POSPISIL, J., and BERAN, M. Dynamics of the changes of number of cells in peripheral blood of swine and goats irradiated with cobalt (Co). (Cz) *Czech. Min. Zemedel. Les. Vod. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(11):657-662. Nov. 1965. 41.9 C333
English summary.
- 69895 RAJIC, I., and others. Use of frothy terramycin in treating puerperal infections in sows. (Cz) *Veterinaria [Sarajevo]* 14(3):407-408. 1965. 41.8 V6492
D. Milic, R. Blagojevic, and A. Petrovic, joint authors.
English summary.
- 69896 RASMUSSEN, P. G. Production, care and use of hysterectomy-born, colostrum-deprived pigs for infection research. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 49(9):399-403. May 1, 1966. 41.9 D23
- 69897 RETZLAFF, N. Histological investigations of lymph nodes of Mycobacterium infected slaughter swine. (Ge) *Arch. Lebensmittelhyg.* 17(3):56-62. Ref. Mar. 1966. 41.8 L49
Mycobacterium avium isolated.
- 69898 RODRIGUEZ LOUSTAU, J. A. Immunization of swine against brucellosis. (Sp) *Asoc. Argent. Criadores Cerdos. Rev.* 45(522):21-23, 25, 27, 29, 31, 33, 35. Ref. Feb. 1966. 46.9 As5
- 69899 SASSOON, H. F. Labelled Cr₂O₃ in studies of the passage of ingesta in pigs—some preliminary results. *Radioisotop. Anim. Nutr. Physiol. Proc.* 1964:595-606. Ref. 1965. QH324.3.S9
- 69900 SCHERER, W. F., and others. Serologic survey for neutralizing antibodies to eastern equine and western equine encephalitis viruses in man, wild birds and swine in southern Mexico during 1961. *Amer. J. Trop. Med. Hyg.* 15(2):211-218. Ref. Mar. 1966. 44.8 Am326
C. Campillo Sainz, J. de Mucha Macias, R. Rubio-Brito, T. Miura, R. W. Dickerman, D. W. Warner, and M. Dyer, joint authors.
- 69901 SCHULMAN, A. Some data on swine erysipelas. (Sw) *Svinet* 57:5-7. July 1965. 46.8 Sv32
- 69902 SCHULZE, P. Electron microscopy studies in fiber formation and on peripheral reticulum cells of lymph nodes of swine. (Ge) *Arch. Exp. Veterinarmed.* 19(6):1341-1368. Ref. Dec. 1965. 41.8 Ex7
- 69903 SEVCIK, B., MULLER, Z., and STROSOVA, J. Ferrofumarate in the prevention of anemia of baby pigs. (Cz) *Veterinarstvi* 15(11):497-499. 1965. 41.8 V6439
- 69904 SHADDUCK, J. A., KOESTNER, A., and KASZA, L. Host range studies of two porcine polioencephalomyelitis viruses. *Amer. J. Vet. Res.* 27(117):473-476. Ref. Mar. 1966. 41.8 Am3A
- 69905 SHARPE, H. B. A. The effect of partial deprivation of colostrum, or weaning at two weeks of age, on serum antibody levels to *Escherichia coli* in the young pig. *Res. Vet. Sci.* 7(1):74-80. Ref. Jan. 1966. 41.8 R312
- 69906 STAROSTIK, L., and KALAB, D. Utilization of bacteriophages in the prevention and treatment of infectious diseases of swine caused by *Escherichia coli*. (Cz) *Veterinarstvi* 15(11):495-497. 1965. 41.8 V6439
- 69907 TANZER, H. C. Vergleichende Hb-Bestimmungen unter Praxisbedingungen zur Prüfung der "Skala zur Ermittlung des Hämoglobinswertes bei der Prophylaxe und Therapie mit Pecuferal (R)" [Comparative Hb determination under practice conditions for testing "the hemoglobin (color) scale value in prophylaxis and treatment with Pecuferal (R)"]. *Hanover. Tierarztl. Hochsch. Inaug.-Diss.* 12, 24 p. Ref., p. 20-23. 1965. 41.2 H198
In relation to piglet anemia.
- 69908 TEWARI, H. C., KANCHAN, M. L., and RAO, B. V. Field trials with piperazine derivatives against ascariasis in pigs and calves. *Indian Vet. J.* 43(2):162-164. Ref. Feb. 1966. 41.8 In2
- 69909 TIECCO, G. Research on healthy carriers of *Salmonella* among regularly slaughtered pigs. *Vet. Ital.* 16(10):689-695. Ref., p. 686-688. Oct. 1965. 41.8 C87
Review of literature.
Text also in Italian, p. 680-688.
- 69910 TORLONE, V., TITOLI, F., and GIALLETTI, L. Presence of interferon-like substances in the organs of pigs infected with hog cholera virus. *Vet. Ital.* 16(10):673-679. Oct. 1965. 41.8 C87
Text also in Italian, p. 663-672.
- 69911 TSUVERKALOV, D. A., and REVENKOV, A. G. Interference between the foot-and-mouth disease and hog cholera viruses in vivo. 8 p. Ref. *Transl.* 14536
Translation from *Veterinariya* 41(9):17-20. Sept. 1964.
- 69912 UEBERSCHAR, S. Sudden death in suckling piglets following administration of iron-dextran-preparations. (Ge) *Deut. Tierarztl. Wochensh.* 73(7):145-150. Ref. Apr. 1, 1966. 41.8 D482
English summary.
- 69913 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State Federal Hog Cholera Eradication Program, progress report, 1965. U. S. Agr. Res. Serv. *ARS* 91-56, 36 p., map. Jan. 1966. A41.9 R315Ar
- 69914 VALACH, Z. Diagnostic importance of abdominal cavity puncture in swine. (Ge) *Monatsh. Veterinarmed.* 21(1):26-32. Jan. 1, 1966. 41.8 M742
- 69915 VETTERLING, J. M. Endogenous cycle of the swine coccidium *Eimeria deblickei* Douwes, 1921. *J. Protozool.* 13(2):290-300. Ref. May 1966. 43.9 J82
- 69916 ZAHARLJA, I., and PERIC, M. Research of leptospirosis in animals in Croatia. I. Contribution to the study of leptospirosis of swine. (Se) *Vet. Arh.* 35(11/12):269-277. Ref. 1965. 41.8 V6416
English summary.
- 69917 ZELENSKII, K. N. Digestibility of nutrients and nitrogen, calcium and phosphorus metabolism in Large White and Landrace swine. (Rus) *Zhivotnovodstvo* 4:74-75. Apr. 1966. 49 Z6
- 69918 ZINN, E. Experiences with suiferin immunization against swine pest from veterinary administration aspects. (Ge) *Tierarztl. Umsch.* 21(5):211-215. Ref. May 1, 1966. 41.8 T445

Miscellaneous

- 69919 BENTLAGE, G. E. Das Schwein als Versuchstier in der Human-Medizin [Swine as experimental animal in human medicine]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 2,27 p. 1965. 41.2 H198
Bibliography, p.21-26.
- 69920 BRANNANG, E., SUNDGREN, P. E., and KALVELID, E. Judging of ham and relation of judging to weight, fat, composition and shape. (Sw) Svinskotsel 56(3):59-64,66-69. 1966. 46.9 Sv2
- 69921 CUPKA, V. Evaluation of the carcass yields of swine according to the bacon indices in the cross-section behind the 13th rib. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):55-62. Jan.1966. 49.9 C33
English summary.
- 69922 CUPKA, V. Study of the relation between linear and planimetric measurements of the section of *Musculus longissimus dorsi* and the carcass value of swine. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):45-54. Ref. Jan.1966. 49.9 C33
English summary.
- 69923 DANION, J. R. Pork production. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:45-46. 275.29 AL1Su
Extension programs.
- 69924 FAGAN, V. J. Official Tasmanian Sow Recording Scheme, third report. Tasmanian J. Agr. 37(1):38-44. Feb.1966. 23 T182T
- 69925 HALADA, J. On the determination of relation of *Musculus longissimus dorsi* to the lean cuts of the half of the swine. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zivocisna Vyroba 39(1):63-70. Ref. Jan.1966. 49.9 C33
English summary.
- 69926 KOVACS, F., SALLAI, MRS. J., and RAFAI, P. The animal hygienic view points of raising and operation of pig houses. III. The influence of microclimate of closed fattening pens on the production and health of the pig. (Hu) Magyar Allatorv. Lapja 21(4):163-168. Ref. Apr.1966. 41.8 V644
English summary.
- 69927 MUNOZ GARCES, C. Humane slaughter. (Sp) Cult. Mod. 49(4):145-146. Apr.1966. 15 C89
Chiefly swine.
- 69928 POLSKA AKADEMIA NAUK. INSTYTUT FIZJOLOGII I ZYWIEMIA ZWIERZAT. Basic studies on the color of pork meat and on the color in pork as influenced by heredity, sex, age, feeding and management of animals. Final technical report. Bydgoszcz, 1966. 59 p. Ref. TX556.P8P6
Grant No.: FG-Po-117; Project No.: E 21-AH-2.
Principal investigator: M. A. Janicki.
- 69929 PUHAC, I., TARASENKO, B., and JOVANOVIĆ, V. Study of the effect of different types of boxes for farrowing on the occurrence of crushing of baby pigs. I. Ecological-technological characteristics of boxes and results of production. (Se) Vet. Glas. 20(2):85-93. 1966. 41.8 J93
English summary.
- 69930 RIO, C. DEL. Swine raising. (Sp) Cult. Mod. 48(10):364-365. Oct.1965. 15 C89
Care.
- 69931 SCHONE, R. Zum Serumeiweissbild der Sauen-kolostralmilch [Serum protein picture of the colostral milk of sows]. Hanover. Tierarztl. Hochsch. Inaug.-Diss. 13,54 p. 1965. 41.2 H198
Bibliography, p.45-53.
- 69932 SIJACKI, N., and others. Study of the effect of different housing conditions upon fattening pigs. II. Effects of microclimatic factors upon blood picture and hemoglobin concentration. (Se) Veterinaria [Sarajevo] 14(3):321-326. Ref. 1965. 41.8 V6492
M. Vapa, B. Nikolic, Z. Stojanovic, and B. Tarasenko, joint authors.
English summary.
- 69933 SORENSEN, P. H., and MOUSTGAARD, J. Influence of climate on animal physiology and production. Radioisotop. Anim. Nutr. Physiol. Proc. 1964:739-766. Ref. 1965. QH324.3.S9
Study of effects of temperature on swine, with special consideration of the thyroid gland.
Includes discussion.
- 69934 SPRUILL, D. G., and JONES, J. R. Profit with a brood sow and pig program. N. C. Univ. Ext. Ext. Folder 83,rev.,8 p.-folder. Apr.1966. 275.29 N811Ex
- 69935 STEINEGGER, P. Results of slaughter quality control of swine. (Ge) Schweiz. Ver. Tierzucht. Schr. 34:23-27. 1966. 49.9 Sch92
- 69936 TAYLOR, D. Big litters shortcut to profit. Western Farmer 43(11):20-22,24. May 1966. 47.8 W27
Swine housing and management study at Oregon State University.
- 69937 THOMAS, N. W., and others. Effects of environmental temperature and humidity during growth on muscle properties of two porcine breeds. J. Food Sci. 31(3):309-312. Ref. May/June 1966. 389.8 F7322
P. B. Addis, H. R. Johnson, R. D. Howard, and M. D. Judge, joint authors.
- 69938 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Swine production. U. S. D. A. Farmers' Bull. 2166, rev.,30 p. Apr.1966. 1 Ag84F

ENTOMOLOGY

GENERAL

- 69939 BOTTINI, O. For the institution of the Silvestri Foundation [Fondazione Silvestri]. Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:V-VI. 1964/65. 105.4 P83
Entomological.
- 69940 KNOWLTON, G. F. 4-H entomology—what is it? Utah. State Univ. Ext. Entomol. Mimeo Ser. 100.1 p. May 1966. 275.29 Ut1En
- 69941 KNOWLTON, G. F. Interesting facts about entomology. Utah. State Univ. Ext. Entomol. Mimeo Ser. 94.2 p. Apr.1966. 275.29 Ut1En
For 4-H entomology studies.
- 69942 MCFADDEN, M. W. Discovery of fossils of *Hermetia illucens* (Linnaeus) in Mexico (Diptera: Stratiomyidae). Entomol. Soc. Wash. Proc. 68(1):56. Mar.1966. 420 W27

ECONOMIC

General

- 69943 AEROSOL review, 1966. London, 1966. 86 p. TS158.A1A3
Includes list of insecticides and their uses.
- 69944 AMARAL, M. DE L. D. The human price. (Por) Port. Junta Nac. Frutas. Serv. Inform. 275:8-10. Apr.1965. 286.3939 P832
Insecticide hazards and safeguards.
- 69945 AMARAL, M. DE L. D. Pesticides: our dangerous allies. (Por) Port. Junta Nac. Frutas. Serv. Inform. 275:1-3. Apr.1965. 286.3939 P832
Chiefly insecticides.
- 69946 ANDERSON, R. B., and EVERHART, W. H. Concentrations of DDT in landlocked salmon (*Salmo salar*) at Sebago Lake, Maine. Amer. Fish. Soc. Trans. 95(2):160-164. Apr.1966. 414.9 Am3
- 69947 BALAZS, K. B. The mole cricket [*Gryllotalpa vulgaris*]. (Hu) Kertesz Sz. 15(8):14. Apr.1966. 80 K474
Plant pest.
- 69948 BETKER, W. R., and others. Determination of the isomer ratio of Systox. J. Agr. Food Chem. 14(3):318-320. Ref. May/June 1966. 381 J8223
C. J. Cohen, N. J. Beaver, and D. M. Wasleski, joint authors.
- 69949 BLAIR, E. H., KAUER, K. C., and KENAGA, E. E. Synthesis and insecticidal activity of O-alkyl O-2,4,5-trichlorophenyl phosphorimidiothioates. J. Agr. Food Chem. 14(3):298-301. Ref. May/June 1966. 381 J8223
- 69950 BOBOVICH, V. T. Isolation and study of new cultures of *Bacillus thuringiensis* for possible use in control of insects on agricultural plants. (Rus) Leningrad. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii. Trudy 19:53-55. 1965. 448.39 L59
Abstracted in Ref. Zh. Biol. 22(sect.B):46. Nov.1965. 241.7 R25
- 69951 BRUDNAYA, A. A., CHUDINOVA, A. N., and ANOSKINA, N. I. Resistance of pests of stored grain to fumigants. (Rus) Moskov. Vsesoyuzn. Nauch.-Issled. Inst. Zern. i Prod. ego Pererabotki. Trudy 53:109-123. 1964. 59.9 M85
Sitophilus granarius.
Abstracted in Ref. Zh. Biol. 22(sect.E):35. Nov.1965. 241.7 R25
- 69952 CHAMP, B. R., and SHEPHERD, R. C. H. Insecticide resistance in *Phthorimaea operculella* (Zell.) with particular reference to DDT. Queensland J. Agr. Anim. Sci. 22(1):69-81. Mar.1965. 23 Q37
On tobacco and potatoes.
- 69953 CHIANG, C. C. Insect-killing electric lamps for agricultural use. 8 p. Transl. 15486
Translation from Dianshijie 16(8/II):325-326. Aug./Nov.1963.
- 69954 CHUMAKOVA, B. M. Role of *Aspidiotiphagus citrinus* (Crwf.) (Hymenoptera, Aphelinidae) in the control of injurious armoured scales in the subtropics of the Russian Soviet Federated Socialist Republic. (Rus) Entomol. Obozr. 44 (3):520-526. Ref. 1965. 421 R322
- 69955 COHEN, C. J., and others. Analysis of Guthion insecticide. J. Agr. Food Chem. 14(3):315-318. May/June 1966. 381 J8223
W. R. Betker, D. M. Wasleski, and J. C. Cavagnol, joint authors.
- 69956 DANNESKIOLD-SAMSOE, C. Bumblebees for red clover. (It) Prog. Agr. [Bologna] 11(9):929-932. Sept.1965. 58.8 P94
Pollination.
- 69957 DAVID, W. A. L., and GARDINER, B. O. C. Persistence of fluoroacetate and fluoroacetamide in soil. Nature [London] 209(5030):1367-1368. Mar.26,1966. 472 N21
Includes toxic effects on *Aphis fabae*, as test insects.
- 69958 DUSTAN, G. G. Insecticide contamination of rooms and equipment used to rear the oriental fruit moth. J. Econ. Entomol. 59(1):125-127. Feb.1966. 421 J822
Lethal effect on *Grapholitha molesta*.
- 69959 EICKSTEDT, H. VON. Technique of applying insecticides to tropical crops. (Sp) Tierra [Mexico] 20(8):633,676. (Cont.) Aug.1965. 8 T445
Equipment.
- 69960 EICKSTEDT, H. VON. Technique of applying insecticides to tropical crops. (Sp) Tierra [Mexico] 20(9):713,752. (Concl.) Sept.1965. 8 T445
Equipment.
- 69961 EICKSTEDT, H. VON. Technique of applying insecticides to tropical crops. (Sp) Tierra [Mexico] 20(11):868,921-923. (Cont.) Nov. 1965. 8 T445
Equipment.
- 69962 EISLER, R., and EDMUNDS, P. H. Effects of endrin on blood and tissue chemistry of a marine fish. Amer. Fish. Soc. Trans. 95(2):153-159. Ref. Apr.1966. 414.9 Am3
- 69963 ETO, M., and others. Studies on saligenin cyclic phosphorus esters with insecticidal activity. IX. Derivatives of phosphonic and phosphonothionic acids. Agr. Biol. Chem. 30(2):181-185. Feb.1966. 385 Ag8B
K. Kishimoto, K. Matsumura, N. Ohshita, and Y. Oshima, joint authors.
Tested on houseflies.
- 69964 FIKS, M. S. Project for generators with ray energy to attract flying agricultural pests. (Rus) AN MoldSSR. Izv. Ser. Fiz.-Tekh. i Matem. N. 5:73-78. 1964. Not in Libr.
Ultraviolet ray traps.
Abstracted in Ref. Zh. Biol. 22(sect.E):1. Nov.1965. 241.7 R25
- 69965 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Amendment to the terms of reference of FAO Technical Advisory Committee on Desert Locust Control and FAO Desert Locust Control Committee. Food Agr. Organ. UN. Counc. CL 44/23.4 p. May 7,1965. 389.9 F7355
Forty-fourth session, Rome, June 21, 1965. *Schistocerca gregaria*.
- 69966 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Establishment of Desert Locust Control Organization for Eastern Africa (DLCO-EA) within the framework of FAO. Food Agr. Organ. UN. Counc. CL 44/13, 28 p. May 14,1965. 389.9 F7355
Forty-fourth session, Rome, June 21, 1965. *Schistocerca gregaria*.
- 69967 GERASIMOV, B. S. Insecticide and fungicide resistance of some soil insects. (Rus) Kuibyshevsk. S.-Kh. In-t. Izv. 14:287-293. 1964. Not in Libr.
Cited in Ref. Zh. Biol. 22(sect.E):7. Nov. 1965. 241.7 R25

- 69968 JONES, G. D. G., and WEANING, A. J. S. The formulation and activity of water-based aerosols containing pyrethrum. *Aerosol Age* 11(3): 21-23, 95-96. Ref. Mar. 1966. 309.8 As8
- 69969 JUSCAFRESA, B. Insecticides, cryptogamicides, and fungicides on the market and their characteristics. IV. (Sp) *Cult. Mod.* 48(10): 379-380. (Cont.) Oct. 1965. 15 C89
Installment deals with insecticides.
- 69970 KNOWLTON, G. F. Insecticide names. Utah. State Univ. Ext. Entomol. Mimeo Ser. 98, 2 p. Apr. 1966. 275.29 Ut1En
Reproduced from information furnished by J. Durkin.
- 69971 MACNAY, C. G., comp. Summary of important insect infestations, occurrences, and damage in agricultural areas of Canada in 1965. *Can. Insect Pest Rev.* 43(7):163-184, map. 1965. 423.92 C16C
Exclusive of forest insect pests.
- 69972 MALINA, M. Collaborative study of spectrophotometric determination of hexachlorocyclopentadiene in technical chlordane. *Ass. Offic. Anal. Chem. J.* 49(2):254-257. Apr. 1966. 381 As7
- 69973 MCGUIRE, J. U., SULLIVAN, W. N., and STARKWEATHER, R. Analysis of the effectiveness of aircraft-disinsection aerosols against resistant houseflies and mosquitos. *World Health Organ. Bull.* 34(1):151-154. 1966. 449.9 W892B
Musca domestica and *Aedes aegypti*.
- 69974 MELNIKOV, N. N. The new pesticides. 18 p. Ref. (JPRS 24,661; OTS 64-31287) Transl. 14130
Chiefly formulations for organic phosphorus insecticides.
Translation from *Khimicheskaya Promyshlennost'* 2:1-7. 1964. CFSTI: \$0.50.
- 69975 MEL'NIKOV, N. N. Problems of searching for and creating insecticides. 11 p. Ref. (JPRS 31,579; TT 65-32075) Transl. 15512
Translation from *Khimiya v Sel'skom Khoz-yaistve* 5:18-23. 1965. CFSTI: \$1.00.
- 69976 MENN, J. J., and MCBAIN, J. B. Detection of cholinesterase-inhibiting insecticide chemicals and pharmaceutical alkaloids on thin-layer chromatograms. *Nature [London]* 209(5030): 1351-1352. Mar. 26, 1966. 472 N21
- 69977 MITCHELL, L. E., O'DOWD, A. C., and PATTERSON, D. R. Collaborative study of the infrared method for DDVP in pesticide formulations. *Ass. Offic. Anal. Chem. J.* 49(2):251-254. Apr. 1966. 381 As7
- 69978 PEST Control's 1966 equipment directory. *Pest Contr.* 34(5):20-66. May 1966. 449.8 Ex8
- 69979 POPOV, K. P. Contribution to the problem of pest control in herbariums. (Ukr) *Ukr. Bot. Zhur.* 21(5):103-104. 1964. 450 J8212J
Insects.
- 69980 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61. Industry groups 58-59. Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C. 35, 40 p. 1961. 270 So324I
Text also in Afrikaans.
Includes insecticides.
- 69981 RIGTERINK, R. H., and KENAGA, E. E. Synthesis and insecticidal activity of some O, O-dialkyl O-3,5,6-trihalo-2-pyridyl phosphate and phosphorothioates. *J. Agr. Food Chem.* 14(3):304-306. Ref. May/June 1966. 381 J8223
- 69982 ROF CODINA, J. Control of insects. (Sp) *Cult. Mod.* 48(11):406-407. Nov. 1965. 15 C89
Biological control and use of attractants.
- 69983 RUSSO, L. F. Results of experiments on the surface tension of some insecticides (light mineral oils and phosphoric ester emulsions). (It) *Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)* 30: 247-277. 1964/65. 105.4 P83
English summary.
- 69984 SANDERS, H. O., and COPE, O. B. Toxicities of several pesticides to two species of cladocerans. *Amer. Fish. Soc. Trans.* 95(2):165-169. Ref. Apr. 1966. 414.9 Am3
Effects of insecticides and herbicides tested on *Daphnia pulex* and *Simocephalus serrulatus*.
- 69985 SCHUNTNER, C. A., and SCHNITZERLING, H. J. Separation of DDT and related compounds on a silicic acid column using gradient elution. *J. Chromatography* 21(3):483-485. Mar. 1966. 475 J824
With chromatographic method.
- 69986 SHORT, J. R. T. Biological control and integrated control. *Scot. Agr.* 44(6):320-322. Autumn 1965. 10 Sco82So
Plant pests.
- 69987 SOURCES of information for the PCO. *Pest Contr.* 34(5):80. May 1966. 449.8 Ex8
Bibliography of literature for pest control operators.
- 69988 SPLINTER, W. E. Development of an air curtain nozzle for electrostatically charging sprays and dusts. *Amer. Soc. Agr. Eng. Pap.* 644, 30 p. Ref. 1965. 290.9 Am32P
Insecticides and fungicides.
- 69989 U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. Don't help hitchhiking bugs. U. S. D. A. PA-729, 4 p. May 1966. 1 Ag84Pro
- 69990 VAPPULA, N. A. Pests of cultivated plants in Finland. *Acta Entomol. Fenn.* 19, 239 p., map. Ref. 1965. 421 Ac8
- 69991 VASVARY, L. M. Japanese beetle. Rutgers State Univ. Ext. Leaflet. 292-A, 2 p. Apr. 1966. 275.29 N46L
Chemical control of *Popillia japonica*.
- 69992 VERNON, J. D. R., and GAIR, R. Resistance to dimethoate by glasshouse red spider mite. *Plant Pathol.* 15(1):28-30. Mar. 1966. 464.8 P692
Tetranychus urticae.
- 69993 WILDBRETT, G., RUDOLPHI, M., and KIERMEIER, F. Thin layer chromatography of chlorinated insecticides. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(5):290-292. Ref. 1966. 384 Z39
- 69994 WOOD, B. J. Elution of dieldrin and endrin from florasil. *Ass. Offic. Anal. Chem. J.* 49(2):472-473. Apr. 1966. 381 As7
- 69995 YULE, W. N. Materials and methods for Canadian survey of insecticide resistance in agricultural pests. *Pesticide Progr.* 3(5):107-108. Sept. 1965. 79.8 P434
Tests with *Musca domestica* and *Drosophila*.

Medical and Veterinary Pests

- 69996 AKADEMIYA NAUK UKRAYINS'KOYI RSR. Parazity i parazytozy cheloveka i zhivotnykh [Parasites and parasitoses in men and animals]. Kiev, Naukova Dumka, 1965. 412 p. Ref. (Respublikanskii Mezhdvestvennyi Sbornik. Seriya Problemy Parazitologii) 436 K544
Includes ticks and insects as pests and disease vectors and helminth parasites of domestic animals.
- 69997 ALEXANDROV, Y. V., and YAGODINSKY, V. N. The epidemiological significance of *Ixodes persulcatus* P. Sch. males in Russian spring-summer tick-borne encephalitis. *J. Hyg. Epidemiol. Microbiol. Immunol.* 10(1):115-119. 1966. 448.8 J826
- 69998 AMMAH-ATTOH, V. Laboratory rearing of the parasitic stages of *Boophilus decoloratus* (Koch, 1844) on the European rabbit (*Oryctolagus cuniculus*). *Nature [London]* 210(5031):43-44, 77. Apr. 2, 1966. 472 N21
- 69999 BENAZZI, P., and COLOMBI, C. First results of cattle grub control in the province of Piacenza. (It) *Vet. Ital.* 16(6/7):441-447. June/July 1965. 41.8 C87
Hypoderma bovis and *H. lineatum* control with Neguvon and Atarol.

- 70000 BOSHKO, G. V. Horse flies as potential vectors of tularemia pathogen in natural foci of the steppe and Polesye areas of the Ukraine. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.352-362. Ref. 1965. 436 K544
- 70001 BRADBURY, F. R., and O'CARROLL, F. M. Measurement of narcotic potency using houseflies. *Ann. Appl. Biol.* 57(1):15-31. Ref. Feb.1966. 442.8 An72
Tests with fifty-seven halogenated hydrocarbons.
- 70002 BRANNON, D. H. Fly control on poultry farms. *Wash. State Univ. Ext. E. M.* 2087, rev., 6 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70003 BRANNON, D. H. Livestock pest control. *Wash. State Univ. Ext. E. M.* 2249, rev., 14 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70004 BROWN, A. L. Jetting gives extra protection against blowfly strike. *S. Australia J. Agr.* 69 (8):278-284. Mar.1966. 23 So84
Sheep.
- 70005 BROWN, V. K., and others. The effect of aldrin and dieldrin on birds. *Food Cosmet. Toxicol.* 3(4):675-679. Oct.1965. 391.8 F73
A. Richardson, J. Robinson, and D. E. Stevenson, joint authors.
- 70006 BURKE-GAFFNEY, H. J. O. Summary of recent abstracts. III. Malaria. *Trop. Dis. Bull.* 63 (4):345-366. (Cont.) Apr.1966. 448.8 T752
Includes *Anopheles* as vectors.
- 70007 BURYI, V. S. Hygienic and toxicological characteristics of the organic phosphorus insecticide octamethyl. (Rus) In *Vopr. Prom. i S.-kh. Toksikol.* 1964:149-157. Not in Libr.
Includes toxicity to livestock.
Abstracted in *Ref. Zh. Khim.* 19(sect.I):36. Oct.1965. 241.64 R252
- 70008 CASTLE, R. E., and RISTICH, S. S. Structure-activity relationships in apholate analogs. *J. Agr. Food Chem.* 14(3):301-303. May/June 1966. 381 J8223
Tested on houseflies.
- 70009 CAVIER, R., and LEGER, N. The development of *Hymenolepis nana* var. *fraterna* in uncommon intermediate hosts. (Fr) *Ann. Parasitol. Humaine Comp.* 40(6):651-657. Nov./Dec.1965. 436.8 An7
Periplaneta americana.
- 70010 CHAUDHURY, R. P. Insect tormentors of livestock. II. Warble flies [*Hypoderma lineatum*] and bot flies [*Oestrus ovis*]. *Indian Farming* 15(11):26-28, 33. Feb.1966. 22 In283
Chemical control of these pests of cattle and goats; includes also data on chemical control of lice on livestock.
- 70011 CUMMINGS, J. G., and others. Residues in eggs from low level feeding of five chlorinated hydrocarbon insecticides to hens. *Ass. Offic. Anal. Chem. J.* 49(2):354-364. Apr.1966. 381 As7
K. T. Zee, V. Turner, and F. Quinn, joint authors.
- 70012 DELAK, M., and MIJATOVIC, I. Intramuscular application of carbon tetrachloride and carbon sulfide in equine gasterophilosis. (Se) *Vet. Arh.* 35(11/12):300-305. Ref. 1965. 41.8 V6416
English summary.
Gasterophilus intestinalis.
- 70013 DOHRING, E. Efficiency and application techniques of fly strips. (Ge) *Z. Angew. Zool.* 53 (1):95-121. Ref. 1966. 449.8 Z36
English summary.
Chemical control of flies.
- 70014 DRUMMOND, R. O., and OSSORIO, J. M. Additional tests with insecticides for the control of the tropical horse tick [*Dermacentor nitens*] on horses in Florida. *J. Econ. Entomol.* 59 (1):107-110. Feb.1966. 421 J822
- 70015 EMCHUK, E. M., and YURKINA, V. I. Ecological and parasitological conditions determining the existence of tularemia foci in southwestern and central steppe area of Ukraine. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.344-351. Ref. 1965. 436 K544
Rodents and birds as hosts of ticks and fleas.
- 70016 FISHER, E. H. Prevent fly population explosion. *Hoard's Dairyman* 111(10):654. May 25, 1966. 44.8 H65
Chemical control in dairy barns.
- 70017 FROLOV, B. A. Prophylaxis and control of poultry ectoparasites. (Rus) *Veterinariya* 3: 106-108. Mar.1966. 41.8 V6426
Chemical control of insects.
- 70018 FUNDER, J. V. Fly control. (Da) *Dansk Pelsdyravl* 29(4):219-221. Apr.20, 1966. 412.628 D23
- 70019 GESELL, S. G. Control insect pests on beef cattle safely. *Penn. State Univ. Ext. Leaflet* 278, 8 p.-folder. 1966. 275.29 P38L
Chemical control.
- 70020 GONZALEZ, A. J. Cattle tick [*Boophilus annulatus*]. (Sp) *SCRAL (Soc. Coop. Rural Argent. Ltda.)* 11(127):218. July 1965. Sol7
- 70021 GREVE, J. H., and GAAFAR, S. M. Natural transmission of *Demodex canis* in dogs. *Amer. Vet. Med. Ass. J.* 148(9):1043-1045. May 1, 1966. 41.8 Am3
- 70022 HOLDSWORTH, R. P. Control of insects on livestock, poultry, and in barns and poultry houses. *Ohio. State Univ. Ext. Bull.* 473, 8 p. Feb.1966. 275.29 Oh32
- 70023 KAGAN, YU. S. Toxicology of organic phosphorus insecticides and industrial hygiene during their use. 5 p. (JPRS 23,168; TT 64-21530) Transl. 14219
To man.
Translation from *Toksikologiya fosfororganicheskikh insektitsidov i gigyena truda pri ikh primenenii* 1963:287-291, 326.
CFSTI: \$.50.
- 70024 KETTLE, D. S. Biting ceratopogonids as vectors of human and animal diseases. *Acta Trop.* 22(4):356-362. Ref. 1965. 475 Ac8
Culicoides chiefly as vectors of nematodes, protozoa, and viruses.
- 70025 KLASSEN, W., and MATSUMURA, F. Resistance to a chemosterilant, metepa, in *Aedes aegypti* mosquitoes. *Nature [London]* 209(5028): 1155-1156. Mar.12, 1966. 472 N21
- 70026 KLESOV, M. D., and KOVBAN, V. Z. Prophylaxis of onchocerciasis and *Hypoderma* infestation in cattle. (Rus) In *Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh*, p.386-391. 1965. 436 K544
Chemical.
- 70027 KNOWLTON, G. F. The face fly, a new pest in Utah. *Utah. State Univ. Ext. Leaflet* 115, 5 p.-folder. Mar.1966. 275.29 Ut1L
Chemical control of *Musca autumnalis*, pest of cattle and horses.
- 70028 KNOWLTON, G. F. House fly control around dairy cows. *Utah. State Univ. Ext. Entomol. Mimeo Ser.* 99, 2 p. Apr.1966. 275.29 Ut1En
Chemical control.
- 70029 KORENBERG, E. I. Birds and the problem of natural foci of the tick borne encephalitis. (Rus) *Zool. Zhur.* 45(2):245-260. Ref. 1966. 410 R92
English summary.
- 70030 KOZUCH, O., and others. Identification of the virus of tick-borne encephalitis in *Ixodes ricinus* L. in its natural focus in the environs of Bouzov. (Cz) *Cesk. Epidemiol. Imunol.* 15(1): 24-27. Ref. Jan.1966. 448.8 C332
J. Nosek, M. Lichard, and J. Chmela, joint authors.
English summary.

- 70031 KOZUCH, O., GRULICH, I., and NOSEK, J. Experimental infection of the mole with tick-borne encephalitis virus. *J. Hyg. Epidemiol. Microbiol. Immunol.* 10(1):120-124. 1966. 448.8 J826
Ixodes ricinus.
- 70032 KOZUCH, O., NOSEK, J., and LICHARD, M. The survival of the tick-borne encephalitis virus in the tick Ixodes ricinus and the transmittal of this virus to the hedge-hog (*Erinaceus roumanicus*). (Ge) *Zentralbl. Bakteriolog. Parasitenk. Infekkrank. Hyg. Abt. I, Orig.* 199(2): 152-161. Ref. 1966. 448.3 C33
English summary.
- 70033 LAMINA, J., and KRUNER, N. The insecticidal effect of highly dispersed silica (silicic acid) upon ectoparasites of poultry. (Ge) *Deut. Tierarztl. Wochenschr.* 73(6):124-129. Mar. 15, 1966. 41.8 D482
English summary.
- 70034 LEDBETTER, R. J., and HAYS, K. L. Insect control for livestock. *Auburn Univ. Ext. Circ.* A-14, 15 p. Nov. 1965. 275.29 AL14C
Chemical control.
- 70035 LEELING, N. C., and CASIDA, J. E. Metabolites of carbaryl (1-naphthyl methylcarbamate) in mammals and enzymatic systems for their formation. *J. Agr. Food Chem.* 14(3):281-290. Ref. May/June 1966. 381 J8223
- 70036 LENGY, J., and GOLD, D. Studies on *Culex pipiens molestus* in Israel. I. Clinical observations on the bite reaction in man. *Int. Arch. Allergy Appl. Immunol.* 29(4):404-414. Ref. 1966. 448.8 In8
- 70037 LU, F. C., JESSUP, D. C., and LAVALLEE, A. Toxicity of pesticides in young versus adult rats. *Food Cosmet. Toxicol.* 3(4):591-596. Oct. 1965. 391.8 F73
Malathion, dieldrin, and DDT.
- 70038 LUND, H. O., and DAVIS, R. An instance of *Gasterophilus [intestinalis] myiasis* of man in Georgia. *Entomol. Soc. Wash. Proc.* 68(1):3. Mar. 1966. 420 W27
- 70039 MAKHMETOV, M. M., and TAGILTSEV, A. A. Infestation with *Rickettsia burneti* of blood-sucking arthropods in virgin lands of Kokchetav region. (Rus) *Med. Parazitolog. i Parazitarnye Bolezni* 34(3):294-297. May/June 1965. 448.8 M469
English summary.
Dermacentor marginatus and *Ixodes crenulatus*.
- 70040 MARKOV, A. A., and ABRAMOV, I. V. Characteristics of the circulation of *Babesiella ovis* (Babes, 1892) in its tick host—*Rhipicephalus bursa* Can. et Franz., 1877. 6 p. (TT 64-19378) *Transl.* 15426
Translation from *Veterinariya* 34(3):27-30. 1957.
Issued by CFSTI.
- 70041 MILOSEVIC, M. P., and ANDJELKOVIC, D. Reactivation of paraoxon-inactivated cholinesterase in the rat cerebral cortex by pralidoxime chloride. *Nature [London]* 210(5302):206. Apr. 9, 1966. 472 N21
- 70042 MOORE, J. E. Accidental poisonings in the home. *Can. J. Public Health* 57(3):126-128. Mar. 1966. 449.8 P964
Includes insecticides and other pesticides.
- 70043 MOORE, S., and PETTY, H. B. Insect pests of cattle. *Ill. Univ. Ext. Circ.* 925, 16 p. Feb. 1966. 275.29 IL62C
- 70044 NEMESERI, L., and SZEKY, A. Demodicosis in sheep. *Acta Vet. [Budapest]* 16(1):53-63. 1966. 41.8 Ac83
Demodex ovis.
- 70045 NEPOKLONOV, A. A., and TALANOV, G. A. Method of calculating effectiveness of insecticides in *Hypoderma bovis* control. (Rus) *Veterinariya* 3:58-60. Mar. 1966. 41.8 V6426
- 70046 NETTLES, W. C., KISSAM, J. B., and ACKERMAN, C. W. Control of insects and mange of swine. *Clemson Univ. Ext. Inform. Card* 109, rev., 2 p. Apr. 1966. 275.29 So8I
- 70047 PAUSTOVSKAYA, V. V. Comparative studies on the toxicology of dinitroorthocresol (dinok) and preparation No. 125 (a type of dinitro-*o*-cresol). (Rus) In *Vopr. Prom. i S.-kh. Toksikol.* 1964:173-188. Not in Libr.
Tested on rats and mice.
Abstracted in *Ref. Zh. Khim.* 19(sect. I):36. Oct. 1965. 241.64 R252
- 70048 PENNSYLVANIA. STATE UNIVERSITY. COLLEGES OF AGRICULTURE AND HOME ECONOMICS. EXTENSION SERV. Control insect pests on dairy cattle safely. *Penn. State Univ. Ext. Leaflet* 279, 8 p.-folder. 1966. 275.29 P38L
Chemical control.
- 70049 POLYANSKII, V. E., and CHEISSIN, E. M. Some observations on the development of *Babesiella bovis* on a carrier tick [*Ixodes ricinus*]. 7 p. (TT 64-15625) *Transl.* 15155
Translation from *Akademiya Nauk SSSR. Karel'skii Filial. Trudy* 14:5-12. 1959.
Issued by CFSTI.
- 70050 RAMIREZ M., A., ARNAO DE MACGREGOR, M., and MATUTE Q., R. Mange in cattle—first discovery of *Chorioptes bovis* var. *bovis* in Peru. (Sp) *An. Cient.* 2(1):68-76. Ref. Jan./Mar. 1964. 9.8 An1
English summary.
- 70051 RICHARD, J. L., and PIER, A. C. Transmission of *Dermatophilus congolensis* by *Stomoxys calcitrans* and *Musca domestica*. *Amer. J. Vet. Res.* 27(117):419-423. Ref. Mar. 1966. 41.8 Am3A
Streptothricosis in rabbits.
- 70052 SAXENA, S. N., and DEO, P. G. Studies on the control of oribatid mites, the intermediate host of cestodes of the family Anoplocephalidae. *Indian J. Vet. Sci. Anim. Husb.* 35(3):185-189. Sept. 1965. 41.8 In22
With DDT, lindane and nicotine sulfate in relation to monieziasis of sheep.
- 70053 SICER, J. W. Northern fowl mite control. *Hoard's Dairyman* 111(10):679. May 25, 1966. 44.8 H65
Ornithonyssus sylvarum.
- 70054 SPYNU, E. I. Assessment of physiologic changes in the early stages of poisoning with diene insecticides. *Fed. Amer. Soc. Exp. Biol. Fed. Proc.* 24(6, pt. 2):T1121-T1122. Nov./Dec. 1965. 442.9 F31P
Tests on rats.
Translation from *Gigiena Truda i Professional'nye Zabolevaniya* 8(10):26. 1964.
- 70055 STEYN, J. J. Social spiders [*Stegodyphus mimosarum* Pavesi]. *Soil Sense* 4(3):6-8. Autumn 1966. 56.8 So322
Biological control of flies in Republic of South Africa.
- 70056 STRANGWAYS-DIXON, J. The epidemiology of dermal leishmaniasis in British Honduras. III. The transmission of *Leishmania mexicana* to man by *Phlebotomus pessoanus*, with observations on the development of the parasite in different species of *Phlebotomus*. *Roy. Soc. Trop. Med. Hyg. Trans.* 60(2):192-207. Ref. 1966. 448.9 R813
Includes discussion.
- 70057 SVADZHYAN, B. K., and FROLKOVA, L. V. Ants incriminated as first and second intermediate hosts of some parasitic flat worms (Trematoda and Cestoda). (Rus) *Zool. Zhur.* 45(2): 213-219. 1966. 410 R92
English summary.
Review of the literature.
- 70058 SYMPOSIUM ON INSECTS AND DISEASE. [Papers]. *JAMA (J. Amer. Med. Ass.)* 196(3):146-176. Ref. Apr. 18, 1966. 448.9 Am37
Joint meeting of the Section on Dermatology with AMA Committee on Cutaneous Health and Cosmetics and the Entomology Research Division, U. S. Department of Agriculture, at the 114th annual convention of the American Medical Association.
- 70059 TARTAGLIA, P. Contribution to the study of *Lactrodectus*. (Ge) *Z. Tropenmed. Parasitol.* 17(1):36-39. Ref. Apr. 1966. 448.8 Z37
English summary.
Bites of this spider in Yugoslavia.

- 70060 TSAPKO, V. G. The toxicologic-hygienic nature of the insecticide Chlorophos. (Rus) Vrachebnoe Delo 9:85-88. 1964. Not in Libr. Effects on laboratory animals and man. Abstracted in Ref. Zh. Khim. 19(sect.I):36. Oct.1965. 241.64 R252
- 70061 VASHAKIDZE, V. I. Some problems of harmful effect of Sevin on sexual function of experimental animals. (Rus) Akad. Nauk Gruz. SSR. Soobshch. 39(2):471-474. Aug.1965. 511 Ak146 Effects on rats.
- 70062 WU, W. L. The effective antidote for organophosphorous drug poisoning—"Pyraldoximi methiodidum" (PAM). U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 161:107-115. Mar.19,1965. (JPRS 29,200; TT 65-30547) 173 J663Tcco
Antidote against organic phosphorus insecticide poisoning.
Translation from Yao Hsueh T'ung Pao 10(8): 342-345. Aug.1964.
Issued by CFSTI.
- 70063 ZEMSKAYA, A. A. Bat parasite, *Ichoronyssus flavus* (Kolenati, 1856) (Gamasoidea, Dermanysidae). (Rus) In Akademiya Nauk Ukrayins'-koyi RSR. Parazity i parazitoy cheloveka i zhivotnykh, p.316-323. Ref. 1965. 436 K544
- 70064 ZIL'FAYAN, B. N., and ANANYAN, E. L. The tick, *Ornithodoros lahorensis* as carrier and transmitter of brucellae. 2 p. (TT 64-15626) Transl. 15330
Among sheep and goats.
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 6:14. 1953.
Issued by CFSTI.
- Pests of Field and Truck Crops
- 70065 ABDEL-WAHAB, A. M., KUHR, R. J., and CASIDA, J. E. Fate of C¹⁴-carbonyl-labeled aryl methylcarbamate insecticide chemicals in and on bean plants. J. Agr. Food Chem. 14(3): 290-298. Ref. May/June 1966. 381 J8223
- 70066 ADKISSON, P. L. Diapause boll weevil [*Anthonomus grandis*] control on the High Plains. Agr. Chem. 21(5):56-57,60,62. May 1966. 381 Ag8
- 70067 AGAFONOVA, Z. YA. Means for control of Bromus seed pests. (Rus) Selekt. Semenovodstvo 2:74. 1965. 61.9 Se5
Chemical control of insects.
Abstracted in Ref. Zh. Biol. 22(sect.E):15. Nov.1965. 241.7 R25
- 70068 AHMED, M. K., and RAO, R. S. The influence of cultural practices on the stem borer (*Schoenobius incertellus* Walker) attack in rice. Madras Agr. J. 52(7):311-313. July 1965. 22 M262
- 70069 ALAM, M. Z., AHMED, A., and ALI, S. Field test of insecticides against rice borers in East Pakistan. Pakistan J. Sci. 16(5/6):259-261. Sept./Nov.1964. 475 P172
The use of Dimecron, diazinon and Sevin.
- 70070 ANNAPPAN, R. S., VENKATARAMAN, N., and KAMALANATHAN, S. An observation on the jassid [*Empoasca devastans*] incidence on different types of Karunganni cotton (*G. arboreum* L.). Madras Agr. J. 52(9):412-414. Sept.1965. 22 M262
- 70071 BARBULESCU, A. The cereal bugs. (Rum) Probl. Agr. [Bucharest] 17(3):14-18. Ref. Mar.1965. 21 R862
Eurygaster integriceps.
- 70072 BIRAT, R. B. S. Controlling cutworms [Noctuidae] in Bihar. Indian Farming 15(2):17,19. May 1965. 22 In283
Control with aldrin, of these field crop pests.
- 70073 BRANNON, D. H. Aphid traps. Wash. State Univ. Ext. E. M. 2205, rev., 4 p. Jan.1966. 275.29 W27Mi
Myzus persicae in potato fields.
- 70074 BURT, P. E., BARDNER, R., and ETHERIDGE, P. The influence of volatility and water solubility of systemic insecticides on their movement through soil and absorption by plant roots. Ann. Appl. Biol. 56(3):411-418. Dec. 1965. 442.8 An72
Control of Rhopalosiphum padi on potatoes and wheat.
- 70075 CATHERALL, P. L. Field-inoculating barley with the yellow-dwarf virus. Plant Pathol. 15(1):41-43. Mar.1966. 464.8 P692
Transmitted by Rhopalosiphum padi.
- 70076 CAVENDER, N. Fighting the worm of a hundred appetites. Farm Quart. 21(3):70,150-154. Summer 1966. 6 F22995
Chemical control of Heliothis zea and Heliothis virescens, cotton pests.
- 70077 CHRISTIE, G. A. The sugar-cane scale insect. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):137-138. Apr.1,1966. 65.9 Q3C
Aulacaspis madiunensis.
- 70078 CURCIO, M. Ultrasonics and ultra-short waves in the campaign against insects injurious to tobacco. 14 p. Transl. 14968
Translation from Tabacco 54:14-23. Jan. 1950.
- 70079 DAHLMAN, D. L. Responses of Empoasca fabae (Harris) (Cicadellidae: Homoptera) to selected alkaloids and alkaloidal glycosides of Solanum species. Diss. Abs. 26(10):6245. Apr. 1966. 241.8 M58
In connection with plant resistance.
- 70080 DAIBER, C. C. When thrips tackle your onions. Farming S. Afr. 42(1):49,51,53. Apr. 1966. 24 So842
Chemical control.
- 70081 DAY, W. H. The identification and importance of biotic and abiotic factors affecting aphids on Long Island potatoes. Diss. Abs. 26(10):5632. Apr.1966. 241.8 M58
Macrosiphum euphorbiae and Myzus persicae.
- 70082 DICKSON, R. C., and LAIRD, E. F. Aluminum foil to protect melons from watermelon mosaic virus. Plant Dis. Rep. 50(5):305. May 1966. 1.9 P69P
Aphis grossypii and Myzus persicae, as vectors, on cantaloupes in California.
- 70083 DUNN, J. A. Studies on the aphid, Cavariella aegopodii Scop. I. On willow and carrot. Ann. Appl. Biol. 56(3):429-438. Dec.1965. 442.8 An72
Vector of motley dwarf virus.
- 70084 FENWICK, H. S., and OHMS, R. E. Potato leaf roll; symptoms, cause and control. Idaho. Agr. Coll. Ext. Bull. 457, 5 p.-folder. Mar.1966. 100 Id14
Myzus persicae, as vector.
- 70085 FILIPPOV, N. A., and ZAVARUEVA, T. G. New insecticides used in control of cabbage army worm. (Rus) Moldavskii Nauch.-Issled. Inst. Oroschaemogo Zeml. Ovoshchevodstva. Tr. 6(1):13. 1964. 55.9 M73
Mamestra brassicae.
Abstracted in Ref. Zh. Biol. 22(sect.E):13. Nov.1965. 241.7 R25
- 70086 GABRIEL, W. The influence of temperature on the spread of aphid-borne potato virus diseases. Ann. Appl. Biol. 56(3):461-475. Ref. Dec.1965. 442.8 An72
Poland.
- 70087 GIST, G. R., and others. Alfalfa and the alfalfa weevil. Ohio. State Univ. Ext. L-130, 4 p., map. Feb.1966. 275.29 Oh32EL
B. D. Blair, J. R. Staubus, and R. N. Krofta, joint authors.
Chemical control of Hypera postica; includes forage crop costs and returns.
- 70088 GONZALES, D. Field studies of aphid populations related to the incidence of lettuce mosaic virus. Diss. Abs. 26(10):6247. Apr.1966. 241.8 M58
- 70089 GOULD, H. J., and KINGHAM, H. G. Observations on diapause in Tetranychus urticae infesting cucumbers. Plant Pathol. 14(4):174-178. Ref. Dec.1965. 464.8 P692

- 70090 GUIRAUD, J. M. Pest control of cereals. (Fr) Econ. Agr. 1:64-65, 67. Jan. 1966. HD1945.A1E2
Use of insecticides in France.
- 70091 GULLIYEV, A. Insects as pests in some districts of newly reclaimed virgin land of Tedzhen Oasis. (Rus) Turkmen. N.-I. In-t. Zemledeliya. Nauchno-Tekhn. Inform. Byul. 1964:68-74. 1965. Not in Libr.
On cotton.
Abstracted in Ref. Zh. Biol. 22(sect.E):16. Nov. 1965. 241.7 R25
- 70092 HARPAZ, L., and COHEN, S. Semipersistent relationship between cucumber vein yellowing virus (CVYV) and its vector, the tobacco whitefly (*Bemisia tabaci* Gennadius). Phytopathol. Z. 54(3):240-248. Ref. Nov. 1965. 464.8 P562
- 70093 HITCHCOCK, B. E. Moth borer—here and overseas. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):139-140. Apr. 1, 1966. 65.9 Q3C
Includes control.
- 70094 HOMONNAY, F. Time is here for cockchafer [*Melolontha melolontha*] control. (Hu) Magyar Mezogazdasag 21(17):20. 1966. 19 M27
With lindane and DDT.
- 70095 HORIGUCHI, H. Studies on the control of the first generation rice stem borer by the soil application of gamma-BHC in paddy field. 89 p. Ref. Transl. 15883
Translation from Tohoku. National Agricultural Experiment Station. Research Report 30. 1964. (Appendix)
- 70096 HORVATH, J. Expected outbreak of cereal bug infestation. (Hu) Magyar Mezogazdasag 21(16):14, map. Apr. 20, 1966. 19 M27
Eurygaster and Aelia spp.
- 70097 HORVATH, J. Plant protection tasks in lucerne seed production. (Hu) Magyar Mezogazdasag 21(20):14. May 18, 1966. 19 M27
Pest and weed control.
- 70098 IANATI, N., and BACILA, O. The rationalization of Colorado beetle [*Leptinotarsa decemlineata*] control by Detox 25 emulsionable sprayed from airplanes. (Rum) Probl. Agr. [Bucharest] 17(3):60-62. Mar. 1965. 21 R862
On potatoes.
- 70099 IONESCU, M., MITRU, L., and TUCRA, I. Controlling the weevil *Tychius flavus* Becker in the lucerne crops of the R.P.R. (Rum) Probl. Agr. [Bucharest] 17(3):57-59. Mar. 1965. 21 R862
- 70100 JOVANIC, M. Intensity of attack of grain bugs on wheat in the FR Serbia in 1964. (Se) Savremena Poljoprivreda 13(7/8):653-660. July/Aug. 1965. 21 P75
English summary.
Eurygaster austriaca and E. maura.
- 70101 KARPOVA, A. I. Specific composition and variations in populations of insects injurious in corn fields. (Rus) Entomol. Obozr. 44(3):495-502. 1965. 421 R322
English summary.
- 70102 KNOWLTON, G. F., and DAVIS, D. W. Alfalfa weevil control, 1966. Utah. State Univ. Ext. Ext. Leaflet. 54, rev., 5 p.-folder. Mar. 1966. 275.29 Utl1L
Chiefly chemical control of *Hypera postica*.
- 70103 KNOWLTON, G. F., and DAVIS, D. W. Alfalfa weevil control, 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 70, 3 p. Dec. 1965. 275.29 Utl1En
Chiefly chemical control of *Hypera postica*.
- 70104 KNOWLTON, G. F. Beet leafhopper outlook for 1966, second statement. Utah. State Univ. Ext. Entomol. Mimeo Ser. 96, 1 p. Apr. 1966. 275.29 Utl1En
Circulifer tenellus.
- 70105 KNOWLTON, G. F. Grasshopper control, 1966. Utah. State Univ. Ext. Ext. Leaflet. 75, rev., 8 p.-folder. Mar. 1966. 275.29 Utl1L
Chemical control of this pest of alfalfa, small grains, and pastures.
- 70106 KOVAL, C. F. 1966 insect control: vegetable crops. Wis. Univ. Ext. Spec. Circ. 114, rev., 14 p. Mar. 1966. 275.29 W75S
Based on research conducted by R. K. Chapman and D. M. Danielson.
Chemical control.
- 70107 KRYAZHEVA, L. P. Factors affecting population density and injuriousness of *Zabrus tenebrioides* Goeze (Carabidae, Coleoptera) in the cis-Caucasian zone. (Rus) Zool. Zhur. 45(2):185-194, map. Ref. 1966. 410 R92
English summary.
Weather as it effects this wheat pest.
- 70108 KUZNETSOVA, M. A. European corn borer in the steppe zone of Kabardino-Balkar ASSR and the means of its control. (Rus) Kabardino-Balkarsk. Gos. S.-Kh. Opytn. St. Tr. 1:70-79. 1965. Not in Libr.
Ostrinia nubilalis.
Cited in Ref. Zh. Biol. 22(sect.E):10. Nov. 1965. 241.7 R25
- 70109 LEDBETTER, R. J., and MCQUEEN, H. F. Entomology. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:14-16. 275.29 AL1Su
Chemical pest control on field crops and cattle; extension programs.
- 70110 MAINI, N. S., and BUTANI, D. K. How to control pink bollworm [*Pectinophora gossypiella*] of cotton. Indian Farming 15(3):13. June 1965. 22 In283
Chiefly chemical control.
- 70111 MANOLACHE, F., and others. Results obtained in controlling the wireworms in winter wheat. (Rum) Probl. Agr. [Bucharest] 17(3):24-32. Ref. Mar. 1965. 21 R862
G. Boguleanu, V. Ivascu, C. Nicolae, and T. Coman, joint authors.
English summary.
- 70112 MIRZALIEVA, M. Agricultural significance of genus *Baris* injuring Cruciferae plants. (Rus) Tashkentsk. S.-Kh. In-t. Tr. 18:175-179. 1965. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):12. Nov. 1965. 241.7 R25
- 70113 MOLNAR, I. Foliar application of fertilizer connected with the Colorado potato beetle [*Leptinotarsa decemlineata*] control. (Hu) Magyar Mezogazdasag 21(19):15. May 11, 1966. 19 M27
With carbamide and DDT.
- 70114 MUSTEA, D. The corn borer (*Ostrinia nubilalis* Hbn.). (Rum) Probl. Agr. [Bucharest] 17(3):33-36. Mar. 1965. 21 R862
- 70115 NESTEROVA, L. P. Comparative study of insects on single and mixed broadbeans and corn crops. (Rus) Altaisk. S.-Kh. In-t. Tr. 6:105-109. Not in Libr.
Cited in Ref. Zh. Biol. 22(sect.E):10. Nov. 1965. 241.7 R25
- 70116 OSHIMA, N., and FOSKETT, R. L. Tolerance of woolly and dwarf tomatoes to curly top virus in Colorado. Plant Dis. Rep. 50(5):309-311. May 1966. 1.9 P69P
Circulifer tenellus, as vector.
- 70117 PASSLOW, T., and TURNER, J. W. Control trials against the brown wheat mite [*Petrobia latens*]. Queensland J. Agr. Anim. Sci. 22(1):103-105. Mar. 1965. 23 Q37
Chemical control of this pest, chiefly, of cereals.
- 70118 PERJU, T. The degree of damage to barley and oat crops following attacks by the dipterous insects *Chlorops pumilionis* Meig. and *Oscinella frit* L. under the Cluj region conditions. (Rum) Probl. Agr. [Bucharest] 18(2):22-30. Ref. Feb. 1966. 21 R862
English summary.
- 70119 RAJAGOPALAN, C. K., and DEVAKUMAR, J. P. Preliminary studies on the infestation of (*Agromyza obtusa* Mall.) in redgram (*Cajanus cajan* Linn) Millsp. Madras Agr. J. 52(8):345-346. Aug. 1965. 22 M262

- 70120 RAMASWAMY, K. A., and SRINIVASAN, P. M. Studies on the insecticidal control of the sweet potato weevil, *Cylas formicarius* Fb. Madras Agr. J. 52(1):36-38. Jan.1965. 22 M262
- 70121 RASMUSSEN, O. E. An effective medium for carrot rust fly control in small gardens. (Ge) *Lebensde Erde* 6:254-256. Nov./Dec.1965. 18 L49
Hartshorn oil against *Psila rosae*.
- 70122 REEVES, B. G., and RIDGWAY, R. L. Machinizing application of systemics. Cotton Trade J. Int. Edition 1966(automation No.):46, 56. 72.8 C82141
Rotary brush applicator for cotton pest control.
- 70123 ROBERTSON, R. L. Wireworm control in tobacco in North Carolina. N. C. Univ. Ext. Ext. Folder 249,4 p. Mar.1966. 275.29 N811Ex
Control of *Conoderus vespertinus* and *C. falli* with diazinon and parathion.
- 70124 RODRIGUES, M. G., and VANETTI, F. Study on control of the cabbage aphid *Brevicoryne brassicae* (L., 1767) with organic insecticides. (Por) *Rev. Ceres* 12(70):253-263. July/Aug. 1965. 9.2 C332
English summary.
- 70125 ROEVER, K. Insect vector and plant virus relationships. *Crop Comments* 20(2):1,3,5. Mar./Apr.1966. 57.8 C88
- 70126 ROWELL, J. O. Control the meadow spittlebug. Va. Polytech. Inst. Ext. Circ. 552,rev., 4 p. Jan.1966. 275.29 V81C
Control with methoxychlor of *Philaenus spumarius*, pest of alfalfa and red clover.
- 70127 SIFROSHVILI, N. A., and CHAVCHANIDZE, T. M. Study of Tortricidae as pests on fruit under condition of Kartlia. (Geo) *Akad. Nauk Gruz. SSR. Inst. Zashch. Rast. Tr.* 16:27-43. 1964. 423.92 Ak1
Abstracted in *Ref. Zh. Biol.* 22(sect.E):22. Nov.1965. 241.7 R25
- 70128 SMITH, J. G. Stem borers of maize. Ghana Farmer 9(2):49-51. May 1965. 24 G564
Chemical control of *Busseola fusca*, *Sesamia botanophaga*, and *S. calamistis*.
- 70129 SRINIVASAN, P. M., BASHEER, M., and IBRAHIM, P. A. M. It pays to eradicate cotton pests. Indian Farming 15(10):31,49. Jan.1966. 22 In283
Chemical control.
- 70130 STEPANOVA, L. A. Phenology of vegetable pests in the Leningrad Region and its prognosis. (Rus) *Entomol. Obozr.* 44(3):486-494. Ref. 1965. 421 R322
- 70131 SUKHOV, K. S., and VOVK, A. M. New virus disease of the tomato-leaf curl and its carrier—cicada *Agallia venosa* Fall. 4 p. Transl. 15519
Translation from *Akademiya Nauk SSSR. Doklady* 56(4):433-435. 1947.
- 70132 SUTTER, G. R. Histopathology of the mode of action of *Bacillus thuringiensis* Berliner on the European corn borer, *Ostrinia nubilalis* (Hubner). *Diss. Abs.* 26(10):6254. Apr.1966. 241.8 M58
- 70133 SZIGETHY, L. Chemical control of corn borer. (Hu) *Magyar Mezogazdasag* 21(19):15. May 11,1966. 19 M27
Diazinon and heptachlor control of *Pyrausta nubilalis*.
- 70134 TESIC, T. A study of the effect of planting date of wheat on the intensity of the attack of the autumn generation of the black wheat fly (*Phorbia genitalis* Schn., *Diptera Muscidae*) and of the susceptibility of some varieties and lines to this pest. (Se) *Savremena Poljoprivreda* 13(7/8):645-651. July/Aug.1965. 21 P75
English summary.
- 70135 THOBBI, V. V. Evaluation of some insecticides against bollworms of cotton. Indian J. Agr. Sci. 35(4):305-308. Dec.1965. 22 Ag831
Earias fabia, *E. insulana*, and *Platyedra gossypiella*.
- 70136 TOOHEY, C. L. BHC—timing and incorporation are important. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):143-144. Apr.1,1966. 65.9 Q3C
To control the soldier fly.
- 70137 TREMBLAY, E. Results of tests for control of the onion psyllid (*Trioza tremblayi* Wagner). (It) *Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)* 30:15-27. 1964/65. 105.4 P83
English summary.
Chemical control.
- 70138 WALTER, E. V. Northern corn rootworm resistance in sweet corn. *J. Econ. Entomol.* 58(6):1076-1078. Dec.1965. 421 J822
Diabrotica longicornis.
- 70139 WALTERS, M. C. Look out for springtail [*Sminthurus viridis*] and sand mite [*Halotydeus destructor*]. Farming S. Afr. 42(1):21,23,25-26. Apr.1966. 24 So842
Chiefly pest of pastures.
- 70140 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Control of insects on alfalfa grown for seed. Wash. State Univ. Ext. E. M. 1761,rev.,3 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70141 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Control program for insects and other pests of vegetable crops for commercial growers. Wash. State Univ. Ext. E. M. 635, rev.,21 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70142 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Insects affecting red clover and white clover seed production. Wash. State Univ. Ext. E. M. 1985,rev.,4 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70143 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Insects of home gardens. Wash. State Univ. Ext. E. M. 2192,rev.,9 p. Jan.1966. 275.29 W27Mi
Chemical control on vegetables.
- 70144 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Oats, barley, rye, wheat—seed treatment. Wash. State Univ. Ext. E. M. 2193, rev.,2 p. Jan.1966. 275.29 W27Mi
Chemical control of wireworm.
- 70145 WIGHT, J. R., and NICHOLS, J. T. Effects of harvester ants [*Pogonomyrmex occidentalis*] on production of a saltbush community. *J. Range Manage.* 19(2):68-71. Mar.1966. 60.18 J82
In Wyoming.

Pests of Fruit and Nut Crops

- 70146 ARROYO VARELA, M. Janus compressus F., a pear pest. (Sp) *Agricultura [Madrid]* 35(407): 132-134. Mar.1966. 15 Ag84
- 70147 BENGSTON, M. Studies on codling moth [*Cydia pomonella*] control in the Stanthorpe District, Queensland. *Queensland J. Agr. Anim. Sci.* 22(1):59-68. Mar.1965. 23 Q37
Chemical control on apples.
- 70148 CABALLERO Y GARCIA DE VINNESA, J. I. The invasions of the olive fly [*Dacus oleae*]. (Sp) *Agricultura [Madrid]* 34(400):425-428, map. Aug.1965. 15 Ag84
Includes geographic distribution.
- 70149 CHATTOPADHYAY, S. B., and BHOWMIK, T. P. Control of "Foorkey" disease of larger cardamom [*Amomum subulatum*] in West Bengal. Indian J. Agr. Sci. 35(4):272-275. Dec. 1965. 22 Ag831
Pentalonia nigronervosa, as vector.
- 70150 CIAMPOLINI, M., and MANFRINI, C. Season for controlling *Zeuzera [pyrina]*. (It) *Prog. Agr. [Bologna]* 12(3):297-304. Mar.1966. 58.8 P94
Chemical control in pears.
- 70151 CONE, W. W. Control of insects on grapes. Wash. State Univ. Ext. E. M. 2089,rev.,4 p. Jan.1966. 275.29 W27Mi
Chemical control.

- 70152 DUNN, E., and WARD, A. H. The movement of 32 phosphorus-labelled dimethoate in the cacao tree, *Theobroma cacao* L. Ann. Appl. Biol. 56(3):419-428. Dec.1965. 442.8 An72
- 70153 EVANS, D. E. The coffee berry borer (*Hypothenemus* (*Stephanoderes*) *hampei* Ferr.). Kenya Coffee 31(363):97. Mar.1966. 68.29 C652
Includes chemical control with dieldrin, as well as control through cultural practices.
- 70154 FIMIANI, P. Effects of Sevin on the entomofauna of olives and citrus. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:29-34. 1964/65. 105.4 P83
English summary.
Selective action.
- 70155 GALEA, V., and others. Some aspects of the residual effectiveness of parathion used in the control of fruit pests. (Rum) Gradina, Via Livada 14(2):75-77. Feb.1965. 80 G75
P. Astileanu, S. Buraga, A. Gherghi, D. Suciu, and I. Vonica, joint authors.
- 70156 GREENING, H. G. Scalicides for use on papaws in Queensland. Queensland J. Agr. Anim. Sci. 22(1):107-108. Mar.1965. 23 Q37
For control of scale insects.
- 70157 HOLMES, F. O. Trials to control coconut root-wilt, Indian Farming 15(2):13-14. May 1965. 22 In283
Stephanitis typicus, as vector, including its chemical control.
- 70158 HUSAIN, M., and KHAN, M. Q. *Melanagromyza obtusa* (Malloch)—a potent pest of safflower in Andhra Pradesh. Indian Oilseeds J. 9(4):317-322. Ref. Oct./Dec.1965. 307.8 In22
- 70159 KNOWLTON, G. F. Control strawberry root weevils. Utah. State Univ. Ext. Leaflet. 67, rev., 4 p. Mar.1966. 275.29 Ut1L
Chemical control of strawberry root weevil (*Brachyrhinus ovatus*), rough strawberry root weevil (*B. rugostriatus*), and black vine weevil (*B. sulcatus*).
- 70160 LEKIC, M. On the possibilities of controlling populations of *Coraebus rubi* L. and *Agrilus aurichalceus* Redt. as raspberry and black currant pests. (Se) Savremena Poljoprivreda 13(10):867-873. Oct.1965. 21 P75
English summary.
- 70161 MARIAU, D. Aspects of the *Oryctes* problem in the Ivory Coast. (Fr) Oleagineux 21(3):159-162. Mar.1966. 77.8 OL2
English summary, p.XXXVII.
Includes biological and chemical control.
- 70162 MARTINO, E. DI. Mechanical means for the distribution of antiparasitics. (It) Agricoltura 14(6):80-85. June 1965. 16 Ag8226
Pest control on citrus trees.
- 70163 MARTINS, E. B. The San Jose "louse." (Por) Gaz. Agr. Angola 11(1):752-753. Jan.1966. 24 G252
Aspidiotus perniciosus on fruit in Angola.
- 70164 NAIR, T. S. G., and MENON, M. R. Beating back the bunchy top. Indian Farming 15(4):23, 36. July 1965. 22 In283
Pentalonia nigronervosa, as vector, on bananas.
- 70165 NARZIKULOV, M. N. Addition to the G. KH. Shaposhnikova paper, "Aphids injuring myrobalan plum and cherries." (Rus) Entomol. Obozr. 44(3):613-615. 1965. 421 R322
English summary.
- 70166 NICKEL, J. L. It's here again—codling moth and aphid control time! Diamond Walnut News 48(2):20-21. Apr.1966. 94.68 D34
Carpocapsa pomonella on Juglans.
- 70167 OATMAN, E. R. Insect injury to sour cherries in the absence of insecticide sprays. J. Econ. Entomol. 59(1):30-32. Feb.1966. 421 J822
Conotrachelus nenuphar responsible for most of the insect injury in Wisconsin.
- 70168 PAP, M. Pests of stone fruits. (Hu) Kertesz- et Szolesz. 15(8):19-20. Apr.1966. 80 K474
Insects.
- 70169 PRIORE, R. Experiments in the chemical control of Coccidae in winter in the Provinces of Napoli and Caserta in 1965. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:547-559, map. 1964/65. 105.4 P83
English summary.
On fruit.
- 70170 PRIORE, R. Findings on hibernation studies of the coccids most widespread and injurious to plants, especially fruit trees, in Campania. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30: 101-145, map. 1964/65. 105.4 P83
English summary.
- 70171 PRIORE, R. Investigations on winter chemical control against the most important armoured scales of fruit-trees in the provinces of Naples and Caserta. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:209-234. 1964/65. 105.4 P83
English summary.
- 70172 REICHART, G. Our pests; leaf roller moths. (Hu) Kiskert 2:4-5. In Kertesz et Szolesz. 15 (7). Apr.1966. 80 K474
Rynchites bacchus and *Coenorhinus pauxillus* fruit pests.
- 70173 STANI, A. About some biological data of citrus fruit spider (*Phyllocoptes oleivorus* Ashm.) and measures to combat it. (Al) Bul. Shkencave Bujquesore 1:32-47. 1966. 21.5 B87
English summary.
- 70174 TOTH, GY. Possibilities of the settling of the Mediterranean fruit fly (*Ceratitis capitata* Wied.) (Dipt. Trypetidae) in Central Europe and Hungary. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):195-215, map. Ref. 1964, pub.1965. 80 B85
English summary.
Pest of peaches and pears.
- 70175 URUGUAY. DEPT. DE SANIDAD VEGETAL. Contralor de las "moscas de las frutas" con pulverizaciones aereas en la Ciudad de Salto y sus aledanos [Control of "fruit flies" with aerial sprays in the City of Salto and its environs]. Uruguay. Dir. Agron. Publ. 111, 25 p. 1964. 9.9 U484
Program for control of *Ceratitis capitata*.
- 70176 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of insects of blueberries. Wash. State Univ. Ext. E. M. 2167, rev., 4 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70177 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of insects of caneberries: raspberry, loganberry, boysenberry, and blackberry. Wash. State Univ. Ext. E. M. 2168, rev., 5 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70178 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of insects on gooseberries and currants. Wash. State Univ. Ext. E. M. 2169, rev., 3 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70179 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of insects on mint. Wash. State Univ. Ext. E. M. 1620, rev., 2 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70180 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Control of insects on strawberries. Wash. State Univ. Ext. E. M. 2170, rev., 6 p. Jan.1966. 275.29 W27Mi
Chemical control.
- 70181 WILDBOLZ, T. Results of investigations of branch samplings, 1965/66. (Ge) Schweiz. Z. Obst- Weinbau 102(3):60-63, map. Feb.5, 1966. 80 Sch9
Insect pest surveys on apple and pear trees.

Pests of Ornamentals, Greenhouses, and Nurseries

- 70182 BARANOWSKI, R. M. A new outstanding insecticide-acaricide. Sunshine State Agr. Res. Rep. [Fla. Sta.] 11(1):18-20. Jan.1966. 100 F66Su
A carbamate compound with code number UC 21149, as yet unnamed, for ornamentals.

- 70183 BRANNON, D. H., and BREAKEY, E. P. Control of insects and mites of ornamental trees and shrubs. Wash. State Univ. Ext. E. M. 2037, rev., 15 p. Jan. 1966. 275.29 W27Mi
Chemical control.
- 70184 JANARTHANAN, R., and GOPALAN, M. *Prionia squalidaria* Hubn., a new geometrid pest on *Ixora coccinea* Linn. in South India. Madras Agr. J. 53(2):82. Feb. 1966. 22 M262
- 70185 KNOWLTON, G. F. Flower garden insect control. Utah. State Univ. Ext. Entomol. Mimeo Ser. 93, 1 p. Apr. 1966. 275.29 U1En
- 70186 LEGOWSKI, T. J. Experiments on predator control of the glasshouse red spider mite on cucumbers. Plant Pathol. 15(1):34-41. Mar. 1966. 464.8 P692
To control *Tetranychus urticae* with *Phytoseiulus riegei*.
- 70187 SLEESMAN, J. P. Insect control studies. Ohio. Agr. Res. Develop. Center. Res. Sum. 8: 43-44. Apr. 1966. 100 Oh3Rs
Insecticide use on vegetables in greenhouses and need for such registration on labels.
- 70188 STREU, H. T. Systemic control of mites and nematodes in Azaleas. Amer. Nurseryman 123 (11):7,84-94. June 1, 1966. 80 Am371
- 70189 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects attacking lawns. Wash. State Univ. Ext. E. M. 2234, rev., 3 p. Jan. 1966. 275.29 W27Mi
Chemical control.
- 70190 WYATT, I. J. The distribution of *Myzus persicae* (Sulz.) on year-round *Chrysanthemums*. I. Summer season. Ann. Appl. Biol. 56(3):439-459. Ref. Dec. 1965. 442.8 An72
As pests; includes behavior.

Pests of Stored Products and Processed Commodities

- 70191 BALOGH, K. Control of pea weevil with methyl bromide gas. (Hu) Magyar Mezogazdasag 21 (20):22. May 18, 1966. 19 M27
Bruchus pisorum, storage pest.
- 70192 CHAMP, B. R., and CRIBB, J. N. An investigation of peanut storage pests in Queensland. 1-2. Queensland J. Agr. Anim. Sci. 22(3):227-257. Ref. Sept. 1965. 23 Q37
1, Introduction, species and pest status, by B. R. Champ; 2, Insecticidal treatment of bulk nut-in-shell peanuts in silos, by B. R. Champ and J. N. Cribb.
Tribolium castaneum, *Oryzaephilus mercator*, and *Cadra cautella*, major pests.
- 70193 COSTA, A. G. Contribution to the use of X-rays in the discovery of hidden attacks of insects on cereals. 3 p. Transl. 14807
In storage.
Translation from *Broteria* 27(3):117-120. 1958.
- 70194 EDWARDS, A. R. Prevent loss in stored grain. Agr. Northern Ireland 40(4):107-108. Aug. 1965. 256.13 Ag82M
Insect control.
- 70195 JANES, R. L. Household insect control number 5: kitchen pests. Mich. State Univ. Ext. Ext. Bull. 528, 8 p. Apr. 1966. 275.29 M58B
Chiefly chemical control.
- 70196 LEGGO, D., and others. Post-harvest sterilization of oranges against Queensland fruit fly [*Dacus tryoni*]. Food Technol. Australia 18(3): 148, 151, 153, 155. Mar. 1966. 389.8 F733
J. G. Gellatley, J. A. Seberry, I. D. Pegg, J. K. Long, and E. G. Hall, joint authors.
By refrigeration and ethylene dibromide as fumigant.
- 70197 MOOKHERJEE, P. B., SHARMA, G. C., and BOSE, B. N. How to protect stored maize seeds. Indian Farming 15(8):4-5, 31. Nov. 1965. 22 In283
Chemical pest control.
- 70198 NELSON, H. D., and others. A review of studies on malathion-treated raisin drying trays. Dried Fruit Indus. Res. Adv. Comm. Proc., 6th Annu. Res. Conf.:23-26. 1965. 389.9 D832
G. H. Spitler, A. P. Yerington, and P. L. Hartsell, joint authors.
For pest control.
- 70199 PARKIN, E. A. The relative toxicity and persistence of insecticides applied as water-dispersible powders against stored-product beetles. Ann. Appl. Biol. 57(1):1-14. Ref. Feb. 1966. 442.8 An72
- 70200 STEIN, R., FERRERA, R. S., and BROWN, R. F. Rapid method for the determination of insect fragments from cocoa. Ass. Offic. Anal. Chem. J. 49(2):257-260. Apr. 1966. 381 As7
- 70201 STOJANOVIC, T. Effect of the initial population density of weevils on wheat damages under constant laboratory conditions at 25-26°C. (Se) *Savremena Poljoprivreda* 13(7/8):635-644. July/Aug. 1965. 21 P75
English summary.
- 70202 STOJANOVIC, T. Temperature of wheat stored in concrete silos in winter and opportunities for the survival, development and procreation of weevils (*Calandra granaria* and *C. oryzae*). (Se) *Savremena Poljoprivreda* 13(5):465-473. Ref. May 1965. 21 P75
English summary.
- 70203 WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects of wheat, oats, barley, rye, sorghums, and peas in storage. Wash. State Univ. Ext. E. M. 2194, rev., 5 p. Jan. 1966. 275.29 W27Mi
Chemical control.
- 70204 WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Controlling pantry pests. Wis. Univ. Ext. Spec. Circ. 116, 4 p. Mar. 1966. 275.29 W75S
Chiefly chemical control.

Pests of Trees and Wood Products

- 70205 ALTENKIRCH, W. The use of sticky tree bands in the determination of winter moth density: the same time a critical contribution to winter moth [*Operophtera brumata*] prognosis in forest. (Ge) Z. Angew. Zool. 53(1):1-34. Ref. 1966. 449.8 Z36
English summary.
- 70206 CARLISLE, A., BROWN, A. H. F., and WHITE, E. J. Litter fall, leaf production and the effects of defoliation by *Tortrix viridana* in a sessile oak (*Quercus petraea*) woodland. J. Ecol. 54 (1):65-85. Ref. Mar. 1966. 450 J829
- 70207 CAVALCASELLE, B., and BELLIS, E. DE. Possibility of using *Cidial* against some xylophagous insects of poplar. (It) Cell. Carta 17(1): 23-29. Jan. 1966. 302.9 En8
English summary.
Tested against *Cryptorhynchus lapathi* and *Saperda carcharis*.
- 70208 CHERNEV, T., and KONSTANTINOV, I. Low volume aerial spraying to control pine procession-type caterpillar [*Thaumetopoea pityocampa*]. (Bu) *Gorsko Stopanstvo* 22(2):27-29. Feb. 1966. 99.8 G682
- 70209 COLE, H. Pesticide use and municipal shade tree programs. Arborist's News 31(5):33-36. May 1966. 99.8 Ar14
Chiefly insect pest control.
- 70210 FENSOM, K. G. Research battles the balsam woolly aphid. Can. Pulp Pap. Indus., May 1966: 23-25, map. 302.8 W52
Adelges piceae pest of *Abies balsamea* and *Abies amabilis*.
- 70211 GALKIN, G. N. Needle injuring pests on larch cultures in Krasnoyarsk Territory. (Rus) *Sibirsk. Tekhnol. In-t. Tr.* 39:311-321. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov. 1965. 241.7 R25

- 70212 GARA, R. L. Results of research conducted on the southern pine beetle. Amer. Pulpwood Ass. Tech. Pap., Apr.1966:28-29. 99.9 Am33Te
Dynamics and control studies of *Dendroctonus frontalis* in Texas.
- 70213 GERDZHIKOV, A. Results of aerial chemical control of pine procession-type caterpillar. (Bu) Gorsko Stopanstvo 22(2):41. Feb.1966. 99.8 G682
Thaumetopoea pityocampa.
- 70214 HARRISON, D. *Neomyzaphis abietina*. Scot. Forest. 20(2):146-147. Apr.1966. 99.8 Sco3
Text in English.
Sitka spruce pest.
- 70215 HEDQVIST, K. J. Studier over for virkesvarden viktiga barkborrar langs Umeälvs [Studies of bark beetles important for log care along the Ume River]. Stockholm. Skogshogsk. Inst. Virkeslara. Rapp. R51,23 p. Ref. 1965. 99.9 Sg632
English summary.
- 70216 ISAEV, A. S., and TARASOVA, D. A. Formation of focuses of stem injuring pests in larch forests of Tuvian ASSR. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:243-253. 1964. Not in Libr.
Ips subelongatus.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov.1965. 241.7 R25
- 70217 ISAEV, A. S., and TARASOVA, D. A. Peculiarities of stationary distribution of stem insect pests of Siberian larch in the forests of the western Tannu-Ola. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:265-273. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov.1965. 241.7 R25
- 70218 KAZACHINSKAYA, T. P., and KONDAKOV, YU. P. More important insect pests in the larch forests of the Krasnoyarsk Territory. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:297-310. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov.1965. 241.7 R25
- 70219 KLEIN, A. Contributions to the knowledge of insects of specific sites in the Bruchberg (Upper Harz). I. (Ge) Z. Angew. Entomol. 56(2):148-192. Aug.1965. 421 Z36
Surveys of forest insects in Germany.
- 70220 KONDAKOV, YU. P., and KAZACHINSKAYA, T. P. Ecological and geographical characteristics of insects as pests on Siberian larch in Krasnoyarsk Territory. (Rus) Sibirsk. Tekhnol. In-t. Tr. 39:283-296. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov.1965. 241.7 R25
- 70221 MARSHALL, C. W. A digest of termite rodding techniques. Pest Contr. 34(5):72,74,76. May 1966. 449.8 Ex8
- 70222 MICHEV, B., and MICHEVA, P. Lime-bean pod borer [*Etiella zinckenella*] injuring seeds of black locust. (Bu) Gorsko Stopanstvo 22(1):20-23. Jan.1966. 99.8 G682
- 70223 PHELAN, T. Killers in the forest. Freedom Hunger 7(42):26-28. May/June 1966. 389.8 F872
Chiefly protection from pests and fires.
- 70224 PLUGAR', S. G., and RAIGORODSKAYA, I. A. Contribution to the fauna of Lepidoptera-pests on Siberian larch in southern part of eastern Siberia. (Rus) Geogr. O-vo SSSR. Vost.-Sib. Otd. Izv. 62:80-90. 1964. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):32. Nov.1965. 241.7 R25
- 70225 SCHWENKE, W. Forest pest forecasting for 1966 in Bavaria. (Ge) Allg. Forstz. 21(17):282-284. Apr.23,1966. 99.8 AL52
Chiefly insect pests.
- 70226 SHILOVA-KRASOVA, S. A. The activity of insectivorous birds in areas mass-infested with forest pests. 9 p. Ref. (TT 65-50046) Transl. 15521
Translation from Zoologicheskii Zhurnal 32(5):955-963. 1953.
CFSTI: \$1.00.
- 70227 SHISHOV, K. M. Knoppery gall wasp on cork-oak and the means of its control. (Rus) So-chinsk. N.-I. Opytn. St. Subtrop. Lesn. i Lesopark. Kh.-va. Sb. Tr. po Zelen. Str.-vu. 2:66-91. 1964. Not in Libr.
Cynips quercus calicis on *Quercus suber*.
Abstracted in Ref. Zh. Biol. 22(sect.E):33. Nov.1965. 241.7 R25
- 70228 TARASKIN, V. A. Comparative tests on the effects of *Bacillus dendrolimus*, prichulymskiy strain, and entobacterin in controlling caterpillars of the Siberian silkworm. (Rus) In Issled. po Biol. Metodu Bor'by s Vredit. Sel'sk. i Lesn. Kh.-va 1964:98-100. Not in Libr.
Control of *Dendrolimus sibiricus* by spraying conifers.
Abstracted in Ref. Zh. Khim. 19(sect.N):53. Oct.1965. 241.64 R252
- 70229 THOMPSON, H. E. Controlling elm leaf beetles [*Gallerucella luteola*]. Kans. Agr. Exp. Sta. Circ. 386, rev. 4 p., map. Feb.1966. 100 K13S
Chemical control.
- 70230 TSANKOV, G., FAKIROV, V., and RALCHEVA, E. Insect pests of poplar in Svishtov area. (Bu) Gorsko Stopanstvo 21(8):33-36. Aug.1965. 99.8 G682
- 70231 VERZHUTSKII, B. N. Some species of sawfly pests on Coniferae stands new for the Baikal Region. (Rus) Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. Seriya Biologicheskoe-Meditsinskikh Nauk 1(4):100-104. 1965. 442.9 Ak125
Tenthredinidae.
Abstracted in Ref. Zh. Biol. 22(sect.E):30. Nov.1965. 241.7 R25
- 70232 WALLNER, W. E. Biology and control of florinia hemlock scale *Florinia externa* Ferris. Diss. Abs. 26(10):6256. Apr.1966. 241.8 M58
- 70233 WHITE, M. G. The future role of *Chlorophora* in Northern Nigerian forestry. Nigerian Forest. Conf. Proc., 1st Conf.:169-173. 1964. 99.9 N567
Chlorophora excelsa and *C. regia* culture in relation to *Phytolyma* spp. attack.
- 70234 YEVLAKHOVA, A. A. Formulation of a microbiological method for combatting *Eurygaster* in their hibernation sites. 14 p. Ref. (OTS 61-16153) Transl. 14507
Pest of forests; control with pathogenic fungi and bacteria.
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii. Sbornik 9:323-340. 1958.
Issued by CFSTI.
- 70235 ZAKHOV, S. Control of pine weevil in the area of Sofia Forest Protection Station. (Bu) Gorsko Stopanstvo 22(1):23-25. Jan.1966. 99.8 G682
Hyllobius abietis, control with thiophenit.
- 70236 ZASHEV, B., and others. Use of preparation thiophenit-20 for control of fir weevil. (Bu) Gorsko Stopanstvo 21(8):29-32. Aug.1965. 99.8 G682
M. Keremidchiev, G. Ganchev, and T. Chernev, joint authors.
Hyllobius abietis.
- Apiculture and Apis Mellifera
- 70237 AARST, J. VAN. Spring development and spring honey flow. (Du) Bijenteelt 2(4):53-54. Apr.1966. SF521.B5
Colony management.
- 70238 ALBER, M. Hybrids and their importance. (It) Apicolt. Ital. 33(3):43-44. Mar.1966. 424.8 Ap372
- 70239 ALBER, M. Indian corn and apiculture. (It) Apicolt. Ital. 33(4):64-65. Apr.1966. 424.8 Ap372
Valued for its pollen.
- 70240 ALBER, M. The Italian bees. (It) Apicolt. Ital. 33(3):39-41. Mar.1966. 424.8 Ap372

- 70241 BAHRMANN, R., GROMISZ, M., and VESELY, V. Character evaluation in selective breeding of honey bee. (Ge) Arch. Geflügelzucht Kleintierkunde 15(1):41-57. Ref. 1966. 47.8 Ar22 English summary.
- 70242 BORGÉN, H. A. Snowed in beehives. (No) Bi-rokteren 82(1):9-10. Jan.1966. 424.8 B53 Colony management.
- 70243 BORGÉN, H. R. Soybean flour feeding. (No) Bi-rokteren 82(3):41-43. Mar.1966. 424.8 B53 To bees.
- 70244 BREMDLIEN, O. Notes on wintering. (No) Bi-rokteren 82(3):46-47. Mar.1966. 424.8 B53 Bees.
- 70245 CLARKE, W. W. Diseases of bees and their control. Penn. State Univ. Ext. Circ. 527, 13 p. 1966. 275.29 P38C Honeybees.
- 70246 DAUMER, K. Colors for painting beehives. (Ge) Deut. Bienenwirtsch. 17(4):89-90. Apr. 1966. 424.8 D489
- 70247 DETROY, B. F. A cloth strainer for honey conditioning systems. U. S. D. A. Prod. Res. Rep. 90, 6 p. Mar.1966. A281.9 Ag8
- 70248 EATON, W. G. Sketches from Kentucky's bee-keeping history. Ky. Acad. Sci. Trans. 26(1/2):22-37. 1965. 500 K41
- 70249 ENGLERT, E. Experiences with efficiency tests in an apiary. (Ge) Deut. Bienenwirtsch. 17(4):91-96. Apr.1966. 424.8 D489
- 70250 GERMAN language apicultural publications of 1964. 4. (Ge) Z. Bienenforsch. 8(7):248. Apr. 1966. 424.8 Z3
- 70251 GIROTTI, A. Apiculture and organizations. (It) Apicolt. Ital. 33(3):42-43. Mar.1966. 424.8 Ap372 Value of associations.
- 70252 GUBIN, V. Sound: a possible medium of communication in the honey bee colony. 4 p. Transl. 14367 Translation from Pchelovodstvo 40(7):25-27. 1963.
- 70253 HÖGBORG, E. Humlor och bin som pollinörer i diploid rodklover; inventering och forsök i sydostra Sverige 1959-1964. Bumble bees and honey bees as pollinators in diploid red clover; inventory and trials in southeastern Sweden 1959-1964. Uppsala. Lantbrukshögsk. Medd. Ser. A, 47, 52 p. Ref. 1966. 11 Up62 English summary.
- 70254 HOMLEID, E. Titmice in the beehive. (No) Bi-rokteren 82(2):33-34. Feb.1966. 424.8 B53
- 70255 HYREFELT, A. On beehive entrance ducts. (Sw) Bitidningen 65(3):82-83. Mar.1966. 424.8 B54 For winter management.
- 70256 INSTITUTT FOR BLAVL. Trial migration to Sunnmore fall 1965. (No) Bi-rokteren 82(3):54-56. Mar.1966. 424.8 B53
- 70257 ISTOMINA-TSVETKOVA, K. P. Problem of functions of communication in the honey-bee, *Apis mellifera*-L. (Hymenoptera, Apidae). (Rus) Entomol. Obozr. 44(3):563-572. Ref. 1965. 421 R322 English summary.
- 70258 JAYCOX, E. R. Show farmers how to benefit from crop pollination management. Farm Technol. 22(5):8-9, 21. May 1966. 275.28 N213 Honey bees used.
- 70259 JOHANSSON, J. Imported honey that has not been inspected—a danger to apiculture. (Sw) Bitidningen 65(3):94-95. Mar.1966. 424.8 B54 Transmission of foulbrood.
- 70260 JORDAN, R. Relations between egg size and the rate of laying. 2 p. Transl. 14450 Translation from Bienenvater 82:132-134. May 1961.
- 70261 KAVLI, E. The tomtit pests. (No) Bi-rokteren 82(3):47-48. Mar.1966. 424.8 B53 Pests of bees.
- 70262 KEHR, W. R., and LABERGE, W. E. Cross-pollination of alfalfa in cages with honeybees. Crop Sci. 6(1):91-92. Jan./Feb.1966. 64.8 C833
- 70263 KETTNER, H. Studies on favorable timing in winter feeding of bee population. (Ge) Arch. Geflügelzucht Kleintierkunde 15(2):103-114. Ref. 1966. 47.8 Ar22 English summary. Honey bees.
- 70264 KOPEL'KIEVSKII, G. V. Uluchshenie kormovoi bazy pchelovodstva [Improving the food basis of beekeeping]. Moskva, Rossel'khozizdat, 1965. 165 p. SF535.K6
- 70265 KREHMER, E. Distribution of acarine disease of bees in the northern Bavarian area. (Ge) Tierarztl. Umsch. 21(5):222-224, map. Ref. May 1, 1966. 41.8 T445 Caused by *Acarapis woodi* in honey bees.
- 70266 KULIKOV, N. S., and AKRAMOVSKII, M. N. Antibiotic treatment of European foulbrood. 4 p. (TT 64-19255) Transl. 15417 Translation from Veterinariya 40(4):56-57. 1963. Issued by CFSTI.
- 70267 KUNST, I. J., and TOMASEC, I. Effect of some drugs upon the microsporidium *Nosema apis*. (Se) Vet. Arh. 36(1/2):35-40. Ref. 1966. 41.8 V6416 English summary. In intestines of *Apis mellifera*.
- 70268 KURENNOI, M. N. On the flight activity and sexual performance of drones. 4 p. Transl. 14417 Translation from Pchelovodstvo 31(12):24-28. Dec.1954.
- 70269 KUZ'MINA, K. A. Lechenie pchelinykh medom i yadom [Therapeutic use of honey and venom]. Ed. 2, enl. Saratov, Izdatel'stvi Saratovskogo Universiteta, 1965. 78 p. Ref. Bee Cul. RM666.H55K8
- 70270 KVINGE, N. B. Apiculture and insurance. (No) Bi-rokteren 82(2):31-32. Feb.1966. 424.8 B53
- 70271 LANGRIDGE, D. F., and RUFFORD-SHARPE, J. A successful protein supplement for honey bees. Australasian Beekeeper 67(8):187-194. Feb.1966. 424.8 Au72
- 70272 LOBASHEV, M. E., and others. Effect of simultaneous sonic and tactile stimuli on locomotive and flight activity in the honey-bee, *Apis mellifera* (Hymenoptera, Apidae). (Rus) Entomol. Obozr. 44(3):557-562. 1965. 421 R322 N. G. Lopatina, I. A. Nikitina, and E. G. Chesnokova, joint authors. English summary.
- 70273 MITTWOCH, U., KALMUS, H., and WEBSTER, W. S. Deoxyribonucleic acid values in dividing and non-dividing cells of male and female larvae of the honey bee. Nature [London] 210 (5033):264-266. Ref. Apr.16, 1966. 472 N21
- 70274 MOMMERS, J. Investigation of the toxicity of various pesticides to bees. (Du) Bijenteelt 2 (4):55-56. Apr.1966. SF521.B5
- 70275 OS, J. VAN. Placing of beehives in cucumber greenhouse culture. (Du) Bijenteelt 2(3):42-44. Mar.1966. SF521.B5
- 70276 PARHON, M. Nutritive exchanges of bees during the four seasons. 8 p. Transl. 15893 Chiefly respiration. Translation from Annales des Sciences Naturelles. (ser.9)9:1-58. 1909.
- 70277 PELIMON, C. The part some plants have in the nutrition of the bees in Bucharest. (Ge) Z. Bienenforsch. 8(7):213-221. Ref. Apr. 1966. 424.8 Z3 English summary. Includes analysis of nectar and pollen.
- 70278 PIANA, G. On the subject of the honey surplus; let us discuss it a little. (It) Apicolt. Ital. 33 (4):59-63. Apr.1966. 424.8 Ap372

- 70279 PORTMAN, R. W. Using insecticides around insect pollinators. Idaho. Univ. Ext. Idaho. Curr. Inform Ser. 28,2 p. Apr.1966. 275.29 Id13Idc
Toxicity to *Apis mellifera*, Megachilidae (leaf cutter bee), and *Nomia melanderi*.
- 70280 RUTTNER, F. On the bee island of Thasos. (Ge) Deut. Bienenwirtsch. 17(4):85-89. Apr. 1966. 424.8 D489
- 70281 SKIAKER, G., THYRI, H., and DALSBOTTEN, R. Work simplification in apiculture; wiring of frames and placing of wax. (No) Biokteren 82(1):11-17. Jan.1966. 424.8 B53
- 70282 STATISTICS on beekeeping in Luxemburg in 1965. (Ge) Luxemburgische Bienen-Zeitung 81: 26-28. Mar.1966. 424.8 L97
- 70283 STUTE, K. Report on investigations of bee poisonings in 1965. (Ge) Deut. Bienenwirtsch. 17(4):99-103, map. Apr.1966. 424.8 D489
Caused by insecticides chiefly.
- 70284 SVENDSEN, O. Danger of poisoning and excerpts from the bee protection law. (Da) Tidsskr. Biavl 100(3):39-41. Mar.20,1966. 424.8 T43
Economic poisoning.
- 70285 TAKAHASHI, K., and others. Active fractions of royal jelly. 2 p. Transl. 14458
Translation from Paris. Soc. de Biol. Compt. Rend. des Seances 157(2):428-430. 1963.
- 70286 VORWOHL, G. The microscopic view of pollen substitutes and of the sediment of candies. (Ge) Z. Bienenforsch. 8(7):222-228. Apr.1966. 424.8 Z3
English summary.
- 70287 VOSKRESENSKAYA, A. K., and LOPATINA, N. G. Conditioned reflexes in bees and the control of their flight activity. 4 p. Transl. 14512
Honey bees.
Translation from Akademiya Nauk SSSR. Institut Fiziologii imeni I. P. Pavlova. Voprosy fiziologii sel'skokhozyaistvennykh zhivotnykh 1957:93-96.
- 70288 WAHL, O. Do pollen gathering bees possess a flair for the nutritive value of the substances they are collecting?. (Ge) Z. Bienenforsch. 8(7):229-235. Apr.1966. 424.8 Z3
English summary.
- 70289 WESTERN AUSTRALIA. DEPT. OF AGRICULTURE. Annual report of the Apicultural Section, 1964-65; registration of beekeepers. Australasian Beekeeper 67(8):194-196. Feb.1966. 424.8 Au72
- 70290 WOYKE, J. On what depends the number of sperms in the spermatheca of naturally mated queen honeybees? (Ge) Z. Bienenforsch. 8(7): 236-247. Apr.1966. 424.8 Z3
English summary.
- 70291 WOYKE, J., and ADAMSKA, Z. Genetic evidence of biparental origin of adult honey bee drones. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(1):73-74. 1966. 512 W262
- 70292 WOYKE, J., KNYTEL, A., and BERGANDY, K. Cytological proof of the origin of drones from inseminated eggs of the honey bee. Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(1):65-67. 1966. 512 W262
- 70293 ZACWILICHOWSKI, J. The innervation and sense organs of the wings of the honey bee (*Apis mellifera* L.). 19 p. Transl. 15241
Translation from Krakow. Akademia Umiejetnosci. Biuletyn Internacjonalny, Ser. B2, 9/10: 275-289. Nov./Dec.1933.
- Sericulture and the Silkworm
- 70294 HAYASHI, Y., UEDA, K., and HAYASHI, Y. Some properties of ribosomes and RNA from the midguts of the silkworm, *Bombyx mori*. Biochim. Biophys. Acta 119(1):84-91. Ref. Apr.18,1966. 381 B522
- 70295 KUO, H. K. An example of coordination between biological research and production practice. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 194:21-30. July 2,1965. (JPRS 30,929; TT 65-31428; CSO 3576-D) 173 J663Tcco
Rearing of *Samia cynthia ricini* for silk in China.
Translation from K'o Hsueh T'ung Pao 4:298-303. Apr.1965.
Issued by CFSTI.
- 70296 KUVAEVA, E. B., and others. Inclusion of C¹⁴-amino-acids into proteins of the acellular system of *Bombyx mori* pupae. (Rus) Akad. Nauk SSSR. Dokl. 167:695-698. Ref. 1966. 511 P444A
N. A. Gumilevskaya, L. V. Chumikhina, and N. M. Sisakyan, joint authors.
- 70297 MURAMATSU, M., OTOMO, K., and SHIMURA, K. Studies on the biosynthesis of glycine in the silkworm [*Bombyx mori*]. III. J. Biochem. 59 (3):304-309. Ref. Mar.1966. 385 J822
- 70298 PETRANI, G. The voluntary silkworm cocoon pool as an instrument to protect production. (It) Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.)20(1):48-52. Jan.1966. 287 Ud5
- 70299 SHIGEMATSU, H., and TAKEISHITA, H. Distribution of fibroin in subcellular fractions of posterior silk gland of the silkworm *Bombyx mori* L. J. Biochem. 59(3):223-229. Mar.1966. 385 J822
- 70300 SYMPOSIUM OF THE SOCIETY OF ELECTRON MICROSCOPY, 12, NAGOYA, 1965. [Abstracts of papers]. J. Electronmicrosc. 14(4):302-359. 1965. 440.8 J823
Includes abstract on *Bombyx mori*.
- 70301 TREVISAN, M. Autumn rearing of silkworms. (It) Prog. Agr. [Bologna] 11(8):833-842. Aug. 1965. 58.8 P94
- TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL
- General
- 70302 ALVAREZ GUERRA, A. A comparative study of the structure and biochemical activity of flight muscles from several insect species. Diss. Abs. 26(10):6247. Apr.1966. 241.8 M58
- 70303 ASGARI, A. Research in the Stuttgart-Hohenheim area concerning arthropods as the most important predators of green apple aphids (*Aphidula pomi* Deg.). (Ge) Z. Angew. Zool. 53 (1):35-93. Ref. 1966. 449.8 Z36
English summary.
Bibliography p.88-93.
- 70304 CORRIGAN, J. J., and SRINIVASAN, N. G. The occurrence of certain D-amino acids in insects. Biochemistry 5(4):1185-1190. Ref. Apr.1966. 381 B523
- 70305 DAVLETSHINA, A. G., and RADZIVILOVSKAYA, M. A. Entomofauna of giant fennel assafetida. (Rus) Uz. Biol. Zhur. 1:57-62. 1965. 442.8 Uz1
Ferula assafoetida.
Abstracted in Ref. Zh. Biol. 22(sect.E):15. Nov.1965. 241.7 R25
- 70306 GUNTHER, S. A practical method of staining Microsporidia. 2 p. Transl. 14062
Translation from Zeitschrift fur Pflanzenkrankheiten und Pflanzenschutz 64:139-140. Mar.1957.
Insect pathogens.
- 70307 HASSELL, M. P. Evaluation of parasite or predator responses. J. Anim. Ecol. 35(1):65-75. Ref. Feb.1966. 410 J826
In insects.
- 70308 KISKIN, P. KH., and VERESHCHAGIN, B. V. Polytopic principle and prospects of its use for the identification and study of insects. (Rus) Zool. Zhur. 45(2):282-292. Ref. 1966. 410 R92
English summary.

- 70309 KOVAL', E. Z. Data on the study of entomophilous fungi in the Ukraine. (Ukr) Ukr. Bot. Zhur. 22(5):59-61. Ref. 1965. 450 J8212J English summary.
- 70310 MOISEEVA, N. V. Insect pests on sagebrush containing santonin in southern and southeast Kazakhstan. (Rus) Kazakhsk. N.-I. In-t Az-shchity rast. Tr. 9:37-50. 1965. Not in Libr. Cited in Ref. Zh. Biol. 22(sect.E):29. Nov. 1965. 241.7 R25
- 70311 RASNITSYN, A. P. Some aspects of interrelationships between morphogenesis and growth in the evolution of ontogenesis in insects. (Rus) Entomol. Obozr. 44(3):476-485. Ref. 1965. 421 R322
- 70312 ROGERS, J. P., and KORSCHGEN, L. J. Foods of lesser scaups on breeding, migration, and wintering areas. J. Wildlife Manage. 30(2):258-264. Apr. 1966. 410 J827 Includes insects as feed.
- 70313 SOZONTOVA, V. S. Fauna and ecology of broadbean pests in Tatar ASSR. (Rus) In Kazansk. Un-t. Estestv. N. Sb. Aspirantsk. Rabot 1965:107-111. Not in Libr. Insects. Abstracted in Ref. Zh. Biol. 22(sect.E):16. Nov. 1965. 241.7 R25
- 70314 TELENGA, N. A., and LAPPA, N. V. Protective reactions of insect hemolymph to parasites and pathogenic microorganisms. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.68-77. 1965. 436 K544
- 70315 THOMPSON, P. H. Arthropods from nests of the house sparrow. Entomol. Soc. Wash. Proc. 68(1):44-48. Ref. Mar. 1966. 420 W27 Wisconsin.
- 70316 ZOOLOGICAL SURVEY OF INDIA. Annual report for the year 1957-58 (1st April, 1957 to 31st March, 1958), by M. L. Roonwal. Delhi, 1964. 75 p. 410.9 In22A Includes lists of insects added to the collection.
- Arachnida, Myriapoda, etc.
- 70317 BASU, B. D. Four new species of the spider genus *Pistius* Simon (Arachnida, Araneae, Thomisidae) from India. Calcutta. Zool. Soc. Proc. 18(1):71-77. Apr. 1965. 410.9 Z73
- 70318 BOUDREAUX, H. B., and DOSSE, G. Supplement to proposed validation of *Acarus telarius*, *Trombidium tilarium* and *Tetranychus urticae*. Z.N.(S.) 1564. Bull. Zool. Nomencl. 22(5/6): 298-299. Jan. 31, 1966. 410 B874
- 70319 BREGETOVA, N. G. Generic grouping of the rhinonyssid mites (Mesostigmata, Rhinonyssidae), parasites of birds. I. The new genus *Sternostomoides*. (Rus) Entomol. Obozr. 44(3):709-713. Ref. 1965. 421 R332 English summary.
- 70320 CHINERY, W. A. Studies on the various glands of the tick *Haemaphysalis spinigera* Neumann 1897. III. The salivary glands. Acta Trop. 22(4):321-349. Ref. 1965. 475 Ac8
- 70321 COSTA, M. The biology and development of *Hypoaspis* (*Pneumolaelaps*) *hyatti* (Acari: Mesostigmata). J. Zool. 148(2):191-200. Feb. 1966. 410.9 L84P
- 70322 DALENS, H. Intersexuality in the *Chaetophiloscia* genus (Isopoda, Oniscoidea, Oniscidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(11): 1283-1285. Mar. 14, 1966. 505 P21 *Chaetophiloscia elongata* and *Ch. sicula*.
- 70323 EDGAR, A. L. Phalangida of the Great Lakes Region. Amer. Midland Natur. 75(2):347-366. Apr. 1966. 410 M58
- 70324 ELBL, A. Ixodid ticks (Acarina, Ixodidae) of the Congo, Rwanda and Burundi. (Volumes I-IV). Diss. Abs. 26(10):6246. Apr. 1966. 241.8 M58
- 70325 ELS, A. J. Studies on the South African oribatid mites (*Acarina*). 1. Description of *Mesoplophora africana* Balogh 1958. S. Afr. J. Sci. 62(3):76-79. Mar. 1966. 515 So84
- 70326 FEDER, Z. Sexual characters of the *Acarina* nymphs. (Fr) Cesk. Spolecnosti Zool. Vestnik 30(1):5-13. Feb. 1966. 410.9 C33
- 70327 FRANK, F. A contribution to the study of seasonal fluctuations of oribatids (Oribatei, *Acarina*) of the forest soils of the Igman Mountains. (Se) Veterinaria [Sarajevo] 14(1):19-24. 1965. 41.8 V6494 English summary.
- 70328 GANGULY, D. N., and BASU, B. D. Distribution and cytomorphic study of the secretory neurons and their tracts in the female of the common house spider, *Heteropoda venatoria* (Linnaeus). Calcutta. Zool. Soc. Proc. 18(1): 87-95. Ref. Apr. 1965. 410.9 Z73
- 70329 GUSEV, V. M., and GUSEVA, A. A. The habitats and mass reproduction of *Ixodes frontalis* in Daghestan. 6 p. (TT 64-15650) Transl. 15160 Translation from *Zoologicheskii Zhurnal* 39(7):1096-1099. 1960. Issued by CFSTI.
- 70330 KHODYKINA, Z. S. Ecology of some species of gamasid mites in Crimea. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.301-310. Ref. 1965. 436 K544 *Laelaps* and *Hirstionyssus* on rodents.
- 70331 KOLEBINOVA, M., and BERON, P. Etude sur les rougets (*Trombiculidae*) parasites des chauves-souris en Bulgarie [Studies on the red mites (*Trombiculidae*) parasitic on bats in Bulgaria]. Skoplje. Prirodonaucen Muz. Fragmenta Balcanica 5(12):71-79. Sept. 1, 1965. 510 Sk52F Includes n. spp. in *Trombicula* and *Riedlinia*.
- 70332 KRIVOLUTZKII, D. A. New species of oribatid mites (*Acariformes*, *Oribatei*) from the Taiga zone of the USSR. (Rus) Entomol. Obozr. 44(3):705-708. 1965. 421 R322 In *Pyroppia*, *Brachychthonius* and *Suctobelba*.
- 70333 LUTTA, A. S., KHEISIN, E. M., and SHUL'MAN-ALBOVA, R. E. On the distribution of ixodid ticks in Karelia. 12 p. Ref. (TT 64-15637) Transl. 15163 Translation from *Akademiya Nauk SSSR. Karelskii Filial. Trudy* 14:72-83. 1959. Issued by CFSTI.
- 70334 MARPLES, T. G. A radionuclide tracer study of arthropod food chains in a *Spartina* salt marsh ecosystem. Ecology 47(2):270-277, map. Ref. Early Spring 1966. 410 Ec7
- 70335 MOREL, P. C. Correction: Description of *Rhipicephalus cliffordi* n. sp. of West Africa (group of *R. compositus*; *Acarina*, *Ixodoidea*). (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.) 19(1):118. 1966. 41.8 R3262
- 70336 MOREL, P. C., and VASSILIADIS, G. Correction: Description of *Rhipicephalus muhsamae* n. sp. in West Africa (group of *R. simus*; *Acarina*, *Ixodoidea*). (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.) 19(1):117. 1966. 41.8 R3262
- 70337 OVANDER, E. N. Population fluctuations and vertical distribution of *Oribatei* in the surface layer of light-gray podzolic soils in central forest-steppe area of Ukraine. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.324-328. 1965. 436 K544
- 70338 PARIS, O. H., and SIKORA, A. Radiotracer [P^{32}] demonstration of isopod [*Armadillidium vulgare*] herbivory. Ecology 46(5):729-734. Late summer 1965. 410 Ec7 Feeding on *Vicia sativa*, *Silybum marianum*, and *Picris echioides*.
- 70339 PIRYANIK, G. I. Data on gamasid mites inhabiting the left-bank steppe area of Ukraine. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.294-300. Ref. 1965. 436 K544 Rodents as hosts.
- 70340 POINTING, P. J. A quantitative field study of predation by the sheep-web spider, *Frontinella communis*, on European pine shoot moth [*Rhyacionia buoliana*] adults. Can. J. Zool. 44(2):265-273. Ref. Mar. 1966. 470 C16D

- 70341 POSPELOVA-SHTROM, M. V. The ixodoidea tick *Haemaphysalis warburtoni* Nutt. in the mountains of Kazakhstan and Kirgizia. 4 p. (TT 64-15633) Transl. 15166
Translation from Akademiya Nauk Kazakhskoi SSR. Izvestiya. Parasitologicheskaya Seriya 7: 60-65. 1949.
Issued by CFSTI.
- 70342 RZHEGACHEK, I., and SHOMOGYN, YA. Use of tick and reptile tissue as culture media for viruses. (Rus) In Kleshch. entsefalit, kemerovsk. kleshch. likhoradka, gemorragich. likhoradki i drugie arbovirusn. infektsii 1964: 71. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.B):14. Nov.1965. 241.7 R25
- 70343 SERDYUKOVA, G. V. Local mass reproduction of ticks *Hyalomma anatolicum anatolicum* Koch in Tadzhikistan and their causes. 4 p. (TT 64-15617) Transl. 15169
Translation from Akademiya Nauk SSSR. Tadzhikskoe Otdelenie. Byulleten' 6:60-63. 1945.
Issued by CFSTI.
- 70345 SHLUGER, E. G., GUSHCHA, G. I., and KUDRYASHOVA, N. I. New species of the genus *Odontacarus* Ewing (Acariformes, Leeuwenhoe-kiidae). (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.399-400. 1965. 436 K544
- 70344 SHAW, G. G. New observations on reproductive behavior in the milliped *Narceus annularis* (Raf.). Ecology 47(2):322-323. Early Spring 1966. 410 Ec7
- 70346 SMILEY, R. L. Further descriptions of two erythraeids predaceous upon cotton bollworm eggs (Acarina: Erythraeidae). Entomol. Soc. Wash. Proc. 68(1):25-28. Mar.1966. 420 W27
Balaustium dowelli and *Erythraeus whitcombi* predators of *Heliothis zea*.
- 70347 SOLOSHENKO, I. Z. Variation in the degree of infestation of voles with ectoparasites depending on sex and age of the host. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.289-293. 1965. 436 K544
Infestation with ticks, lice and fleas.
- 70348 STEEVES, H. R. Evolutionary aspects of the troglobitic asellids of the United States: the [*Asellus*] *hobbsi*, [*A.*] *stygius* and [*A.*] *cannulus* groups. Amer. Midland Natur. 75(2):392-403. map. Ref. Apr.1966. 410 M58
Includes *Asellus nortoni* n. sp.
- 70349 TYSHCHENKO, V. P. New genus [*Melioranus*] and new species of spiders (Araneida) from Kazakhstan. (Rus) Entomol. Obozr. 44(3):696-704. 1965. 421 R332
Melioranus n. g., and n. spp. in *Altella*, *Gnaphosa*, *Thanatus*, *Heriaraus*, *Xysticus*, *Micarirolepis* and *Evarcha*.
- 70350 VAN PLETZEN, R. Oribatei (Acarina) of South Africa. (Af) S. Afr. J. Sci. 62(3):89-92. Ref. Mar.1966. 515 So84
- 70351 VOLGIN, V. I. A new genus and new species of mites of the family Acaridae (Acarina, Acariformes). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:286-296. 1966. 410.9 L543
New spp. in *Acarotalpa* n. g., *Acotyledon* and *Histiogaster*.
- 70352 VOLGIN, V. I. A new genus and new species of mites of the family Cheyletidae Leach (Acarina, Trombidiformes). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:277-285. 1966. 410.9 L543
In *Microcheyla* n. g., *Cheyletia* and *Paracheyletia*.
- 70353 VSHIVKOV, F. N. A new species of gamasid mite, *Lepronyssoides markewitschi* (Gamasoidea, Liponyssidae) from Crimea. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhyvotnykh, p.311-315. 1965. 436 K544
Ectoparasites of bats.
- 70354 WOOLLEY, T. A. A review of the family Oriopodidae (Acarina: Oribatei). Amer. Microscop. Soc. Trans. 85(1):2-29. Ref. Jan.1966. 440.9 Am33
Includes *Gymnobatoides* n. g.
- Coleoptera**
- 70355 BEAVER, R. A. The development and expression of population tables for the bark beetle *Scolytus scolytus* (F.). J. Anim. Ecol. 35(1): 27-41. Ref. Feb.1966. 410 J826
In elm trees.
- 70356 COSTANTINO, R. F., BELL, A. E., and ROGLER, J. C. Genetic control of lipid metabolism in *Tribolium*. Nature [London] 210(5032):221-222. Apr.9,1966. 472 N21
Tribolium castaneum.
- 70357 DAVIS, G. R. F. Effects of including yeast ribonucleic acid in a synthetic diet for larvae of *Oryzaephilus surinamensis* (L.) (Coleoptera: Silvanidae). Can. J. Zool. 44(2):345-346. Mar. 1966. 470 C16D
- 70358 DAWSON, P. S. Developmental rate and competitive ability in *Tribolium*. Evolution 20(1): 104-116. Ref. Mar.1966. 443.8 Ev62
Tribolium confusum and *T. castaneum*.
- 70359 FARKAS, J. The radiation resistance of *Tribolium confusum* (Du Val) and *Tyrophagus dimidiatus* (Hermann). (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet Kozlem. 2:10-15. 1965. 389.9 B85
English summary.
- 70360 GARDINER, L. M. Egg bursters and hatching in the Cerambycidae (Coleoptera). Can. J. Zool. 44(2):199-212. Ref. Mar.1966. 470 C16D
- 70361 GUR'EVA, E. L. The click-beetles of subfamily Cardiophorinae (Coleoptera, Elateridae) of Middle Asia. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:62-97. 1966. 410.9 L543
Includes n. spp. in *Cardiophorus*, *Cardiophorus* (*Metacardiophorus*) n. sgen., and *Neocardiophorus* n. g.
- 70362 HO, F. K., and DAWSON, P. S. Egg cannibalism by *Tribolium* larvae. Ecology 47(2):318-322. Ref. Early Spring 1966. 410 Ec7
Tribolium confusum and *T. castaneum*.
- 70363 KOTYNKOVA-SYCHROVA, E. The mycoflora of bark beetle galleries in Czechoslovakia. (Cz) Ceska Mykol. 20(1):45-53. Ref. Jan.1966. 450 C333
English summary.
- 70364 KOYAMA, N., KOIKE, A., and TAKIZAWA, T. Studies on the distribution of the epilachnid beetles in Gumma Prefecture, Japan. Ueda. Shinshu Univ. Fac. Textile Sci. Technol. J. Ser. A, Biol. 13,23 p.,map. Ref. Dec.1964. 442.9 Uy3
Epilachna vigintioctomaculata, *E. sparsa*, and *E. pustulosa*.
- 70365 KRYZHANOVSKII, O. L. The new species of Histeridae (Coleoptera) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:51-59. 1966. 410.9 L543
In *Hypocacculus*, *Philothis*, *Tadzhister* n. g., and *Hister* (*Promethister*) n. sgen.
- 70366 KUAFKE, A. New Xantholinini from Soviet Union (Coleoptera, Staphylinidae). (Rus) Zool. Zhur. 45(2):195-202. 1966. 410 R92
French summary.
In *Leptacinus* and *Xantholinus*.
- 70367 LUFF, M. L. The abundance and diversity of the beetle fauna of grass tussocks. J. Anim. Ecol. 35(1):189-208. Ref. Feb.1966. 410 J826
Chiefly in *Dactylis glomerata* and *Deschampsia caespitosa*.
- 70368 MEDVEDEV, G. S. A new genus and species of darkling beetles (Coleoptera, Tenebrionidae) from Turkmenia. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:98-99. 1966. 410.9 L543
In *Pseudocaedius*.

- 70369 MONTE, G. D. Oviposition and development of some species of grain-eating Coleoptera in milled products for paste manufacture. (It) Molini Ital. 15(8):302-306. Aug.1964. 298.8 M73
Research financed by a contribution of the U. S. Department of Agriculture under Public Law 480.
Sitophilus oryzae, S. granarius, and Rhyzopertha dominica.
- 70370 MURDOCH, W. W. Aspects of the population dynamics of some marsh Carabidae. J. Anim. Ecol. 35(1):127-156. Ref. Feb.1966. 410 J826
Agronum fuliginosum.
- 70371 PARNELL, J. R. Observations on the population fluctuations and life histories of the beetles Bruchidius ater (Bruchidae) and Apion fuscirostre (Curculionidae) on broom (Sarthamnus scoparius). J. Anim. Ecol. 35(1):157-188. Ref. Feb.1966. 410 J826
- 70372 SCHEDL, K. E. The genus Pagiocerus Eichh., important pests of maize; 240th contribution to the morphology and systematics of the Scolytidae. Riv. Agr. Subtrop. Trop. 59(7/9):300-307. Ref. July/Sept.1965. 26 Ag82
- 70373 SELANDER, R. B. On the systematic position of Protomeloe (Coleoptera, Meloidae). Entomol. Soc. Wash. Proc. 68(1):1-3. Mar.1966. 420 W27
- 70374 SKOPINA, I. N. The larvae of Chioneosoma astrachanicum Sem. (Coleoptera, Scarabaeidae). (Rus) Zool. Zhur. 45(2):300-302. 1966. 410 R92
English summary.
- 70375 SPILMAN, T. J. On the generic names Alphitobius, Phthor, Clamoris, and Cataphronetis (Coleoptera: Tenebrionidae). Entomol. Soc. Wash. Proc. 68(1):6-10. Ref. Mar.1966. 420 W27
- 70376 STANLEY, M. S. M. The development of the confused flour beetle, Tribolium confusum DuVal. Diss. Abs. 26(10):6254. Apr.1966. 241.8 M58
- 70377 TER-MINASYAN, M. E. A new species of the genus Apion Herbst (Coleoptera, Curculionidae) from the USSR. (Rus) Akad. Nauk. SSSR. Zool. Inst. Tr. 37:100-101. 1966. 410.9 L543
- 70378 TER-MINASYAN, M. E. New species of the genus Lixus F. (Coleoptera, Curculionidae) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:102-105. 1966. 410.9 L543
- 70379 VAZIRANI, T. G. Revision of the oriental species of the genus Platambus Thomson (Insecta, Coleoptera, Dytiscidae) with descriptions of three new species. Calcutta. Zool. Soc. Proc. 18(1):24-34. Ref. Apr.1965. 410.9 Z73
Platambus guignoti, P. balfourbrownei and P. biswasi n. spp.
- 70380 ZASLAVSKII, V. A. Isolating mechanism and its role in the ecology of two allied Chilocorus species [Chilocorus geminus and Chilocorus bipustulatus] (Coleoptera, Coccinellidae). (Rus) Zool. Zhur. 45(2):203-212. Ref. 1966. 410 R92
English summary.
Abnormalities.
- 70381 ZASLAVSKII, V. A. New and little known Hyperini species (Coleoptera, Curculionidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:106-110. 1966. 410.9 L543
Includes n. spp. in Eremochorus and Phytonomus.
- 70382 ZASLAVSKII, V. A. On some palearctic Hyperaspis (Coleoptera, Coccinellidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:60-61. 1966. 410.9 L543
Includes n. sp.
- 70383 BENSON, K. A. An investigation of some developmental changes in the larval fat body of Sarcophaga bullata prior to metamorphosis. Diss. Abs. 26(10):6128. Apr.1966. 241.8 M58
- 70384 BENSON, K. A., and BENSON, D. G. A histochemical analysis of the proteins in the larval fat body of Sarcophaga bullata. J. Cell Sci. 1(1):81-84. Ref. Mar.1966. QH301.J6
- 70385 BORISOVA-ZINOVEVA, K. B. New species of the genus Hyperecteina Schin. (Diptera, Larvaevoridae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:272-276. 1966. 410.9 L543
- 70386 BORISOVA-ZINOVEVA, K. B. The tachinids (Diptera, Larvaevoridae) as parasites on Scarabaeidae (Coleoptera). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 36:191-206. Ref. 1965. 410.9 L543
- 70387 CHOUDHURI, D. K., and MITRA, S. K. A new species of the bat-fly genus Cyclopodia Kolenati, 1862 (Insecta, Diptera, Nycteribiidae). Calcutta. Zool. Soc. Proc. 18(1):63-70. Apr. 1965. 410.9 Z73
Cyclopodia kalyania n. sp.
- 70388 COSTA, M. V. DA. Prospective value of imago disc in the thorax of the Ceratis capitata (Diptera, Trypetidae). (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(12):1352-1355. Mar.21,1966. 505 P21
- 70389 CROUSE, H. V. Experimental alterations in the chromosome constitution of Sciara [coprophila]. Chromosoma 16(4):392-410. 1965. 442.8 C46
- 70390 GARMS, R., and POST, A. Description of Simulium futaense n. sp. (Simuliidae, Diptera) from Guinea, West Africa. (Ge) Z. Tropenmed. Parasitol. 17(1):40-44. Apr.1966. 448.8 Z37
English summary.
- 70391 GEORGE, K. S. A survey of leatherjacket populations in England and Wales 1961-65. Plant Pathol. 15(1):1-8. Mar.1966. 464.8 P692
- 70392 GORODKOV, K. B. The new species of the family Helomyzidae (Diptera) from the Asiatic part of Palearctic. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:240-257, map. Ref. 1966. 410.9 L543
In Ectopectomera and Acantholera.
- 70393 GRUNIN, K. YA. Biology of the fly genus Mixocordylura Hendel (Diptera, Cordyluridae), new for the USSR. (Rus) Entomol. Obozr. 44(3):584-585. 1965. 421 R322
- 70394 GRUNIN, K. YA. On the bot flies (Diptera, Hypodermatidae) parasitic in Gazella subgutturosa Gueld. 5 p. (TT 62-15629) Transl. 15156
Translation from Entomologicheskoe Obozrenie 35:716-723. 1956.
Issued by CFSTI.
- 70395 GRUVEL, J., and BALIS, J. Attempt to breed Glossina tachinoides W. in a laboratory. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)19(1):21-28. Ref. 1966. 41.8 R3262
English summary.
- 70396 ITARD, J., and MAILLOT, L. Notes about Glossina breeding in Maisons Alfort (France) starting with pupae sent from Africa. (Fr) Rev. Elevage Med. Vet. Pays Trop. (n.s.)19(1):29-44. Ref. 1966. 41.8 R3262
English summary.
Glossina morsitans and G. tachinoides.
- 70397 KANDYBINA, M. N. Larvae of the fruit flies of the genus Carpomyia A. Costa (Diptera, Trypetidae). (Rus) Entomol. Obozr. 44(3):665-672. Ref. 1965. 421 R322
- 70398 KOVALEV, O. V., and MAMAEV, B. M. New species of free living gall midges of tribe Itonidini (Diptera, Itonididae) from the Maritime Territory. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:228-232. 1966. 410.9 L543
In Spilodiplosis n. g., Monobremia, Lobodiplosis, Karschomyia and Holoneurus.
- 70399 KRIVOSHEINA, N. P. New data on the soldier flies (Diptera, Stratiomyidae) and their larvae. (Rus) Entomol. Obozr. 44(3):652-664. Ref. 1965. 421 R322
English summary.
Includes Pachygaster intermedia n. sp.

Diptera

- 70400 LUTTA, A. S. Ecological peculiarities of distribution of horse-flies (Diptera, Tabanidae) in Uzbekistan. (Rus) Entomol. Obozr. 44(3): 595-604, map. 1965. 421 R322
English summary.
- 70401 MCALPINE, J. F. Observations on anthophilous Diptera at Lake Hazen, Ellesmere Island. Can. Field-Natur. 79(4):247-252. Oct./Dec. 1965. 410.9 Ot8
Their role as pollinators.
- 70402 MURAV'EVA, T. V., and others. Migrations of the black-fly larvae (Diptera, Simuliidae). 12 p. Ref. (JPRS 25,017; OTS 64-31452) Transl. 14209
N. Ya. Markovich, A. M. Mitrofanov, and L. V. Timofeeva, joint authors.
Translation from Meditsinskaya Parazitologiya i Parazitarnye Bolezni 33(2):188-194. Mar./Apr. 1964.
CFSTI: \$0.50.
- 70403 NARCHUK, E. P. A new genus and new species of Chloropidae (Diptera) from Middle Asia. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:258-271. Ref. 1966. 410.9 L543
Includes n. spp. in Dieraesus, Gaurax, Deser-tochlorops n. g., Trichieurina and Homalura.
- 70404 NASH, T. A. M., JORDAN, A. M., and BOYLE, J. A. A promising method for rearing *Glossina austeni* Newst. on a small scale, based on the use of rabbits' ears for feeding. Roy. Soc. Trop. Med. Hyg. Trans. 60(2):183-188. 1966. 448.9 R813
- 70405 OLIVER, D. R. The first insect collected on Surtsey, a new Icelandic island. (Ic) Natuurfraeöingurinn 35(3):145-147. Nov. 1965. 410 N2142
Text also in English, p.147-148.
Diamesa ursus.
- 70406 OZOLYN'SH, V. YA. Parasites of spinach leaf miner-Pegomyia hyoscyami. (Rus) Latvijas Entomol. 9:15-18. 1964. 421 L35
Abstracted in Ref. Zh. Biol. 22(sect.E):19. Nov. 1965. 241.7 R25
- 70407 PECINA, P. March flies (Bibionidae, Diptera) of Moravia. (Cz) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:191-200. Ref. 1965. 510 B836
English summary.
- 70408 POPOV, A. V. Life cycle of louse-flies *Lipoptena cervi* L. and *Stenopertyx hirundinis* L. (Diptera, Hippoboscidae). (Rus) Entomol. Obozr. 44(3):573-583. Ref. 1965. 421 R322
- 70409 RICHTER, V. A. A new species of robber flies of the genus *Damalis* Fabr. (Diptera, Asilidae) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:237-239. 1966. 410.9 L543
Damalis kerzhneri.
- 70410 RODENDORF, B. B. Composition of the tribe Sarcophagini (Diptera, Sarcophagidae) of Eurasia. (Rus) Entomol. Obozr. 44(3):676-695. Ref. 1965. 421 R322
Includes *Salemea* n. g., *Kanoa* n. g., *Sinonipponia* n. g., *Takanoa* n. g., *Horiisca*, n. g., *Sarcophaga* (*Nudicherca*) n. sgen., *S. (Glossophalla)* n. sgen., *S. (Oxyphalla)* n. sgen., *S. (Dysparaphalla)* n. sgen., *Thyrsoconema* (*Asiopierretia*) n. sgen., *S. (Mediterranisca)* n. sgen., *S. (Phallanthisca)* n. sgen., *S. (Pterophalla)* n. sgen., *S. (Nihonea)* n. sgen., *Parasarcophaga* (*Ziminisca*) n. sgen., and *P. (Kanoisca)* n. sgen.
- 70411 RUBTSOV, I. A. Additions to the black fly fauna (Diptera, Simuliidae) of the Palearctic Region. (Rus) Entomol. Obozr. 44(3):649-651. 1965. 421 R322
- 70412 SABROSKY, C. W. Diptera from Nepal: asiatic species of the genus *Stenomicroa* (Diptera: Anthomyzidae). Brit. Mus. (Natur. Hist.) Bull. Entomol. 17(5):209-218. 1965. 420 B773
Includes n. spp.
- 70413 SANTA, L. A. About a new synthetic culture medium for the feeding of eggs of *Dacus oleae* Gmel. (Diptera-Trypetidae). (Gre) Delt. Agrotikes Trapezes 144:8-15. May/June 1965. 21.7 D38
English summary.
- 70414 SHCHERBAKOV, E. S. Polyploid forms of the genus *Odagmia* in the natural population of the Leningrad Region. (Rus) Akad. Nauk SSSR. Dokl. 167:1153-1155. 1966. 511 P444A
- 70415 SHEVCHENKO, A. K. Ecological-geographical characteristics of blood-sucking flies (Diptera, Nematocera) of northern part of Ukraine. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazytozy cheloveka i zhivotnykh, p.329-343, map. 1965. 436 K544
- 70416 SIFNER, F. Revision of species of Scatophagidae (Diptera) family from the collection of the Moravian Museum at Brno. (Cz) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:201-210. Ref. 1965. 510 B836
French summary.
- 70417 STEYSKAL, G. C. A new species of *Atherigona* Rondani [*A. naqvii*] causing damage to wheat plants in West Pakistan. Entomol. Soc. Wash. Proc. 68(1):53-56. Mar. 1966. 420 W27
- 70418 STROTHER, G. K. Absorption of *Musca domestica* screening pigment. J. Gen. Physiol. 49(5):1087-1088. May 1966. 447.8 J822
- 70419 TANASHCHUK, V. N. A new species of *Leucopis* (Diptera, Chamaemyiidae) of Eurasia. (Rus) Entomol. Obozr. 44(3):673-675. 1965. 421 R322
Leucopis steinbergi n. sp.
- 70420 TANASHCHUK, V. N. New species of the genus *Leucopis* (Diptera, Chamaemyiidae) from south-eastern Kazakhstan. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:233-236. 1966. 410.9 L543
- 70421 THORSTEINSON, A. J., BRACKEN, G. K., and TOSTOWARYK, W. The orientation behavior of horse flies and deer flies (Tabanidae; Diptera). V. Can. J. Zool. 44(2):275-279. Mar. 1966. 470 C16D
- 70422 TJEDER, B. Comment on the proposed suppression of *Tipula nubeculosa* Meigen, 1804 (Insecta, Diptera) as a misidentified specific name. Z.N.(S.) 895. Bull. Zool. Nomencl. 22 (5/6):280. Jan. 31, 1966. 410 B874
- 70423 TROFIMOV, G. K. Short review of the synanthropic fly fauna (Muscidae, Calliphoridae, Sarcophagidae (Diptera) of the Talysh Mountains. (Rus) Entomol. Obozr. 44(3):605-612. 1965. 421 R322
- 70424 VIKTOROV, G. A. Larvae of Diptera and Hymenoptera parasitizing nymphs and adults of *Eurygaster integriceps* Put. (Rus) Zool. Zhur. 45(2):220-227. Ref. 1966. 410 R92
English summary.
- 70425 VINOGRADOVA, E. B. Experimental investigation of factors regulating induction of embryonic diapause in *Aedes togoi* Theob. (Diptera, Culicidae). (Rus) Entomol. Obozr. 44(3):527-537. Ref. 1965. 421 R322
English summary.
Temperature and light.
- 70426 WIRTH, W. W. A new Jamaican blood-sucking midge from lacewings (Diptera, Ceratopogonidae). Entomol. Soc. Wash. Proc. 68(1):29-32. Mar. 1966. 420 W27
Forcipomyia farri n. sp. on *Chrysopa*.
- 70427 ZLATANOV, S. Biological and morphological peculiarities of *Dryomyia circinnans* Cir. (Bu) Gorsko Stopanstvo 21(10):22-24. Oct. 1965. 99.8 G682

Culicidae

- 70428 BARR, A. R., and MYERS, C. M. Two spontaneous mutants of *Culex tarsalis* (Diptera: Culicidae). Entomol. Soc. Wash. Proc. 68(1):49-52. Mar. 1966. 420 W27
White-eye (w) and yellow-larvae (y).
- 70429 ELDRIDGE, B. F. The influence of environmental factors on blood-feeding and hibernation in mosquitoes of the *Culex pipiens* complex. Diss. Abs. 26(10):5666-5667. Apr. 1966. 241.8 M58

- 70430 GILLIES, M. T. *Anopheles africanus* Theobald, 1901 (Insecta, Diptera): proposed suppression as a specific name under the plenary powers. Z.N.(S.) 1722. Bull. Zool. Nomencl. 22(5/6): 324. Jan.31,1966. 410 B874
- 70431 IKESHOJI, T. Studies on mosquito attractants and stimulants. I-III. Jap. J. Exp. Med. 36(1): 49-72. Ref. Feb.1966. 448.8 J272
Affecting the oviposition of *Culex pipiens fatigans* and *C. pipiens pallens*.
- 70432 JONES, J. C., and WHEELER, R. E. An analytical study of coitus in *Aedes aegypti* (Linnaeus). J. Morphol. 117(3):401-423. Ref. Nov.1965. 444.8 J826
- 70433 PAULOVOVA, J. Biometric characteristics of imagines of *Aedes aegypti* L. reared under laboratory conditions. (Cz) Biologia [Bratislava] 21(3):213-218. 1966. 442.8 B5265
German summary.
- 70434 RUBER, E. The effects of chemical and physical methods of mosquito control on salt marsh microcrustacea. Diss. Abs. 26(10):6252-6253. Apr.1966. 241.8 M58
- Drosophila
- 70435 AUERBACH, C. *Drosophila*-tests in pharmacology. Nature [London] 210(5031):104. Apr.2,1966. 472 N21
In relation to mutagenic drugs.
- 70436 BRNCIC, D. Ecological and cytogenetic studies of *Drosophila flavopilosa*, a Neotropical species living in *Cestrum* flowers. Evolution 20(1):16-29, map. Ref. Mar.1966. 443.8 Ev62
- 70437 BULL, A. L. Bicaudal, a genetic factor which affects the polarity of the embryo in *Drosophila melanogaster*. J. Exp. Zool. 161(2):221-241. Ref. Mar.1966. 410 J825
- 70438 CANNON, G. B. Intraspecies competition, viability, and longevity in experimental populations. Evolution 20(1):117-131. Ref. Mar.1966. 443.8 Ev62
Drosophila melanogaster.
- 70439 FAHMY, O. G., FAHMY, M. J., and DE VRYE, C. E. The mutagenic properties of the nucleosides of pyrimidine analogues in *Drosophila melanogaster*. Biochem. Pharmacol. 15(3):299-316. Ref. Mar.1966. 396.8 B52
- 70440 HORIKAWA, M., LING, L. N., and FOX, A. S. Long-term culture of embryonic cells of *Drosophila melanogaster*. Nature [London] 210(5032):183-185. Apr.9,1966. 472 N21
- 70441 KING, R. C., AGGARWAL, S. K., and BSTEIN, D. The comparative submicroscopic cytology of the corpus allatum-corpora cardiacum complex of wild type and fcs adult female *Drosophila melanogaster*. J. Exp. Zool. 161(2): 151-175. Ref. Mar.1966. 410 J825
- 70442 MCCRADY, E. In vivo culture of *Drosophila melanogaster* embryos containing the notch deficiencies Df(1)N8 and Df(1)N264-40. J. Exp. Zool. 161(1):37-47. Ref. Feb.1966. 410 J825
- 70443 MOMMA, E. The dynamic aspects of *Drosophila* populations in semi-natural areas. I. Associations and relative numbers of species. 1. Results of trapping. Jap. J. Genet. 40(4):275-295, map. Ref. Aug.1965. 442.9 J27
Japan.
- 70444 MOMMA, E. The dynamic aspects of *Drosophila* populations in semi-natural areas. I. Associations and relative numbers of species. 2. Results of sweeping. Jap. J. Genet. 40(4):297-305. Ref. Aug.1965. 442.9 J27
Japan.
- 70445 PIPKIN, S. B. A new flower-feeding species of *Drosophila* (Diptera: Drosophilidae). Entomol. Soc. Wash. Proc. 68(1):4-5. Mar.1966. 420 W27
Drosophila hansonoides n. sp.
- 70446 SCOWCROFT, W. R. A genetic analysis of chaetae on the scutellum of *Drosophila melanogaster*. Diss. Abs. 26(10):5670. Apr.1966. 241.8 M58
- 70447 SIMMONS, A. S. Experiments on random genetic drift and natural selection in *Drosophila pseudoobscura*. Evolution 20(1):100-103. Mar. 1966. 443.8 Ev62
- 70448 SOKOLOFF, A. Morphological variation in natural and experimental populations of *Drosophila pseudoobscura* and *Drosophila persimilis*. Evolution 20(1):49-71, map. Ref. Mar. 1966. 443.8 Ev62
- 70449 SPIESS, E. B. Chromosomal fitness changes in experimental populations of *Drosophila persimilis* from timberline. II. Re-extracted chromosomes. Evolution 20(1):82-91. Ref. Mar.1966. 443.8 Ev62
- 70450 SULERUD, R. L., and MILLER, D. D. A study of key characteristics for distinguishing several *Drosophila affinis* subgroup species, with a description of a new related species. Amer. Midland Natur. 75(2):446-474. Ref. Apr.1966. 410 M58
Includes *Drosophila novitskii* n. sp.
- Hemiptera
- 70451 AHMAD, I. *Erbula* Stal, 1873 (Insecta, Hemiptera): proposed designation of a type-species under the plenary powers. Z.N.(S.) 1613. Bull. Zool. Nomencl. 22(5/6):346-347. Jan.31,1966. 410 B874
- 70452 BINDRA, O. S. Biology and bionomics of *Clavigralla gibbosa* Spinola, the pod bug of pigeon-pea [*Cajanus cajan*]. Indian J. Agr. Sci. 35(4): 322-334. Ref. Dec.1965. 22 Ag831
- 70453 BLOTE, H. C. Catalogue of the Aradidae in the Rijksmuseum van Natuurlijke Historie. Leiden. Rijksmus. Natuur. Hist. Zool. Verhandel. 75, 41 p. July 15, 1965. 410.9 L59Z
Includes n. spp. in Aradus, Calisius, Aneuris, Carventus, Dimorphacanta, Artabanus, Chinesa, Neuroctenus, Pictinellus, Chiastoplonia, Aphelocoris, Arictus, Usingerida, Daulocoris, Cinyphus, Hesus, Mezira, and Sibilocoris n. gen., Hammatoneurum n. gen., and Daulocorisella n. gen.
- 70454 BORKHSENIUS, N. S., and DANTSIG, E. M. A new species of Greenisca Borchs. (Homoptera, Coccoidea, Eriococcidae) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:41-44. 1966. 410.9 L543
Greenisca brachypodii n. sp.
- 70455 BORKHSENIUS, N. S., and KOSARZEWSKA, E. F. Three species of Pseudococcidae (Homoptera, Coccoidea) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:36-40. 1966. 410.9 L543
New spp. in Paracoccus, Neotrionymus and Peliococcus.
- 70456 BOWIE, J. H., and others. Haemolymph pigments of aphids. Nature [London] 210(5034): 395-397. Ref. Apr.23,1966. 472 N21
D. W. Cameron, J. A. Findlay, and Quartey, J. A. K., joint authors.
- 70457 BRINKHURST, R. O. Population dynamics of the large pond-skater *Gerris najas* De Geer (Hemiptera, Heteroptera). J. Anim. Ecol. 35(1):13-25. Feb.1966. 410 J826
- 70458 CAMERON, D. W., and others. Colouring matters of the Aphididae. XXVI. The chrysoaphins and their reaction with periodate. Chem. Soc. J., Dec.1965:6923-6930. Ref. 382 L84J
R. I. T. Cromarite, Y. K. Hamied, E. Haslam, D. G. I. Kingston, L. Todd, and J. C. Watkins, joint authors.
- 70459 DE LOTTO, G. The nomenclatural status of the common long tailed mealy bug (Homoptera: Pseudococcidae). Ent. Soc. South. Africa. J. 27(2):226-229. Feb.28,1965. 420 En86
Pseudococcus longispinus.
- 70460 DIXON, A. F. G. The effect of population density and nutritive status of the host on the summer reproductive activity of the sycamore aphid, *Drepanosiphum platanoides* (Schr.). J. Anim. Ecol. 35(1):105-112. Feb.1966. 410 J826

- 70461 EMELYANOV, A. F. Genus *Coulinus* Beir. in the Palaearctic Regions. (Rus) Zool. Zhur. 45(2):299-300. 1966. 410 R92
English summary.
Includes *Coulinus kushakevitchi* n. sp., a leafhopper.
- 70462 ILHARCO, F. A. A new species of *Dysaphis* Börner from Portugal (Homoptera-Aphidoidea). Agron. Lusitana 26(1):57-64. 1964, pub. 1965. 105.7 Ag8
Dysaphis neostroyani n. sp.
- 70463 ILHARCO, F. A. On the sexual forms of *Israelaphis tavaresi* Ilharco (Homoptera-Aphidoidea). Agron. Lusitana 26(1):65-69. 1964, pub. 1965. 105.7 Ag8
- 70464 JACZEWSKI, T. Comment on the type-species of *Leptocoris* Latreille, 1829. Z.N.(S.) 1589. Bull. Zool. Nomencl. 22(5/6):335. Jan. 31, 1966. 410 B874
- 70465 KERZHNER, I. M. Shield bugs of the family Urostylidae (Heteroptera, Pentatomoidea) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:45-50. 1966. 410.9 L543
Includes *Urochela* (*Chlorochela*) n. sgen. and n. sp. in *Urostylis*.
- 70466 KLIMASZEWSKI, S. M. Contribution to the knowledge of the genus *Crastina* Log. (Homoptera, Psyllodea). (Ge) Acad. Polon. Sci. Bull. Ser. Sci. Biol. 14(1):51-54. 1966. 512 W262
Crastina montana ihtamiri, n. subsp.
- 70467 LAUTERER, P. A contribution to the knowledge of the psyllid fauna of Czechoslovakia. II. (Ge) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:171-190. Ref. 1965. 510 B836
- 70468 LOGINOVA, M. M. New and little-known psyllids (Homoptera, Psylloidea) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:3-35. 1966. 410.9 L543
New spp. in *Craspedolepta*, *Brachystetha*, *Colposcena*, *Psylla* and *Trioza*.
- 70469 MALDONADO-CAPRILES, J. A note on *Zanchisme Kirkaldy* (Hemiptera: Miridae). Entomol. Soc. Wash. Proc. 68(1):21-24. Mar. 1966. 420 W27
- 70470 MIYAKE, T., and FUJIWARA, A. Studies on the hibernation and diapause of the white rock planthopper, *Sogata furcifera* Horvath, and the brown planthopper, *Nilaparvata lugens* Stal. 68 p. Ref. Transl. 15835
Translation from Hiroshima, Agricultural Experiment Station. Bulletin 13, Mar. 1962.
- 70471 NAST, J. Two new Palaearctic Delphacidae (Homoptera). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(11/12):643-646. 1965. 512 W262
Xanthodelphax soosi n. sp. and *Conomelus dehnelti* n. sp.
- 70472 NAST, J. Two new *Stiromella* Wagn. from Mongolia (Homoptera, Delphacidae). Acad. Polon. Sci. Bull. Ser. Sci. Biol. 13(11/12):639-642. 1965. 512 W262
Stiromella luctuosa n. sp. and *S. vitticeps* n. sp.
- 70473 O'KEEFFE, L. E. The influence of selected environmental factors upon oviposition of *Empoasca fabae* (Harris) (Cicadellidae, Homoptera). Diss. Abs. 26(10):6251-6252. Apr. 1966. 241.8 M58
- 70474 PICKETT, C., and FRIEND, W. G. Free amino acids in the haemolymph of *Rhodnius prolixus* Stahl (Hemiptera: Reduviidae). Can. J. Zool. 44(2):241-249. Ref. Mar. 1966. 470 C16D
- 70475 POLHEMUS, J. T. Some Hemiptera new to the United States (Notonectidae, Saldidae). Entomol. Soc. Wash. Proc. 68(1):57. Mar. 1966. 420 W27
Martarega mexicanus, *Saldula dewsi*, and *S. sulcicollis* collected in Arizona.
- 70476 RIOS, T. Ceroalbinic acid a new anthraquinone pigment isolated from *Ceroplastes albolineatus*. Tetrahedron 22(4):1507-1512. Apr. 1966. 382 T29
- 70477 SAXENA, K. N., and WILLIAMS, C. M. "Paper factor" as an inhibitor of the metamorphosis of the red cotton bug, *Dysdercus koenigii* F. Nature [London] 210(5034):441-442. Apr. 23, 1966. 472 N21
Crumbled pages from magazines used in the diet.
- 70478 SCHOUTEDEN, H. *Plesionoma drakei* nov. spec., new Tingidae from eastern Africa. (Fr) Rev. Zool. Bot. Afr. 72(3/4):353-354. Dec. 30, 1965. 410 R326
- 70479 SLAMA, K., and WILLIAMS, C. M. "Paper factor" as an inhibitor of the embryonic development of the European bug, *Pyrrhocoris apterus*. Nature [London] 210(5033):329-330. Apr. 16, 1966. 472 N21
Crumbled pages from magazines used in the diet.
- 70480 STEHLIK, J. L. *Pyrrhocoridae* and *Largidae* collected by E. S. Brown on Solomon Islands. Brno. Moravske Mus. Cas. Vedy Prirodn. 50:253-292. Ref. 1965. 510 B836
Includes *Dysdercus* (*Paradysdercus*) n. sgen., *Paraectatops* n. g., and n. spp. in *Dindymus*.
- 70481 STEHLIK, J. L. Zoological mission of the I.R.S.A.C. [Institut de Recherches Scientifiques au Congo] to east Africa (P. Basilewsky - N. Leleup, 1957); *Pyrrhocoridae* Het. (Fr) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:211-252. Ref. 1965. 510 B836
Text in English.
Includes *Dysdercus* (*Neodysdercus*) n. sgen., *Cenaesus* (*Pseudocenaesus*) n. sgen., and n. spp. in *Cenaesus*, *Neodindymus* n. g., *Neindra* n. g., and *Aderrhis*.
- 70482 VASVARY, L. M. The musculature and nervous system of the thorax, of the sound mechanism, and of a typical pregenital abdominal segment of the male of the annual cicada *Tibicen chloromera* (Walker). Diss. Abs. 26(10):6255-6256. Apr. 1966. 241.8 M58
- 70483 YADAVA, R. L. Oviparity in sugarcane aphid *Longiurus sacchari* Zimt. (Aphidae: Homoptera). Cur. Sci. 35(1):18. Jan. 5, 1966. 475 Sci23
- 70484 ZHURAVLEVA, I. A. Data on biological study of aphids living on white *Accacia*, alfalfa and other legumes. (Rus) Uz. Biol. Zhur. 2:72-77. 1965. 442.8 Uz1
Aphis craccivora.
Abstracted in Ref. Zh. Biol. 22(sect.E):3. Nov. 1965. 241.7 R25

Hymenoptera

SEE ALSO Apiculture and Apis mellifera.

- 70485 BOHR, H. J. Contributions to the knowledge of *Erdoesina alboannulata* (Ratz.) (Hymen., Chalcid.), pupal parasite of the pine beauty, *Panolis flammea* Schiff. (Lepid., Noct.). (Ge) Z. Angew. Entomol. 56(2):97-147. Ref. Aug. 1965. 421 Z36
English summary.
- 70486 BROWER, J. H. Behavioral changes in an ant colony exposed to chronic gamma irradiation. Amer. Midland Natur. 75(2):530-534. Apr. 1966. 410 M58
Formica integra.
- 70487 BUGBEE, R. E. A revision of the genus *Eurytomocharis* Ashmead in North America (Hymenoptera: Eurytomidae). Amer. Midland Natur. 75(2):367-382. Ref. Apr. 1966. 410 M58
Includes n. spp.
- 70488 BURKS, B. D. The North American species of *Pediobius* Walker. (Hymenoptera: Eulophidae). Entomol. Soc. Wash. Proc. 68(1):33-42. Mar. 1966. 420 W27
Includes n. spp.

- 70489 DMITRIENKO, V. R., and PETRENKO, E. S. Participation of ants in the mineralization of woody remains in larch forests of central Yakutia. (Rus) Sibirskii Tekhnologicheskii Institut. Trudy 39:254-260. 1964. (Not in Libr.) Includes stumps.
Abstracted in Ref. Zh. Biol. 19(sect.E):1-2. Oct.1965. 241.7 R25
- 70490 EBEL, B. H. Rearing and occurrence of xyelid sawflies on slash [*Pinus elliotii*] and longleaf [*Pinus palustris*] pines in north Florida (Hymenoptera: Xyelidae). Entomol. Soc. Amer. Ann. 59(1):227-229. Jan.1966. 420 En82
Xyela pini, X. minor, and X. bakeri.
- 70491 ETTERSHANK, G. A generic revision of the world Myrmicinae related to Solenopsis and Pheidologeton (Hymenoptera: Formicidae). Australian J. Zool. 14(1):73-171. Ref. Feb. 1966. 410 Au73
Includes Nothidris n. g.
- 70492 FOUTS, R. M. Three new species of Proctotrupoidea (Hymenoptera). Entomol. Soc. Wash. Proc. 68(1):17-20. Mar.1966. 420 W27
Ceratobaeus ovivorus n. sp., Synacra insoleta n. sp., and Miota conformis n. sp.
- 70493 KNOWLTON, G. F. Is it an ant or a termite? To help young 4-H entomologists answer this question. Utah. State Univ. Ext. Entomol. Mimeo Ser. 97, 1 p. Apr.1966. 275.29 Ut1En
- 70494 KOZLOV, M. A. Data on the fauna of parasitic Hymenoptera, subfamilies Teleasinae and Telenominae (Scelionidae) of the USSR. (Rus) Entomol. Obozr. 44(3):616-621. 1965. 421 R322
Includes Ceratoteleas n. g. and Teleas strigatus n. sp.
- 70495 KOZLOV, M. A. New species of proctotrupids (Hymenoptera, Proctotrupoidea) from the USSR. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:137-147. Ref. 1966. 410.9 L543
In Holophleps n. g., Cordylocras n. g., Gryon and Prosactogaster.
- 70496 LEVIEUX, J. General characteristics of terrestrial ant populations in the savannah of Ivory Coast. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1583-1585. Apr.4,1966. 505 P21
- 70497 MAZOKHIN-PORSHNYAKOV, G. A. Report of an experiment on color perception in bees. 10 p. (JPRS 31,713; TT 65-32208)
Transl. 15508
Translation from Priroda 6:58-62. 1965. CFSTI: \$1.00.
- 70498 PONOMARENKO, N. G. New parasitic Hymenoptera, subfamily Gonatopodinae (Dryinidae) of the USSR fauna. (Rus) Entomol. Obozr. 44(3):622-631. 1965. 421 R322
English summary.
Includes n. spp. in Agonatopoides, Dicondylus and Gonatopus.
- 70499 PONOMAREVA, A. A. Nesting habits of certain species of higher bees (Hymenoptera, Apoidea) in southwestern Turkmenistan. 14 p. Ref. Transl. 14427
Translation from Entomologicheskoe Obozrenie 37(3):616-629. 1958.
- 70500 SEMENOV-TYAN-SHANSKII, A. P. Classification of the tribe Hedychnini Mocs. (Hymenoptera, Chrysidae) and description of new species. 9 p. (OTS 64-11082) Transl. 14834
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Trudy 15:138-145. 1954.
Issued by CFSTI.
- 70501 SHINN, A. F. Kiln-firing as a technique for studying nest-building behaviour of mud-dauber wasps. Nature [London] 210(5031):112-113. Apr.2,1966. 472 N21
Sceliphorn caementarium and Trypoxylon politum.
- 70502 STADNITSKII, G. V. Biology of European pine sawfly (Neodiprion sertifer Geoffr.) in forests of Leningrad Region. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomo Khoz. 8:280-293. Ref. 1964. 99.9 L545
- 70503 TOBIAS, V. I. New species of braconids (Hymenoptera, Braconidae) from Turkmenia and adjacent territories. (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:111-131. 1966. 410.9 L543
In Chelonus, Neochelonella, Acoelius, Apanoteles, Agathis, Schizoprymnus, Dacnusa and Pachysema.
- 70504 TRYAPITSIN, V. A. Two new species of Arctic encyrtids (Hymenoptera, Encyrtidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:132-136. Ref. 410.9 L543
In Paraenasioidea and Microterys.
- 70505 VELKOV, D., and TSANKOV, G. Formation of galls by Cynips quercus calicis Burgsd. and some peculiarities of its development. (Bu) Gorskostopanska Nauk. 1(5):65-76. 1964. 99.8 G683
German summary.
On Quercus.
- 70506 ZEROVA, M. D. Species of Tetramesa-Wlk. (Hymenoptera, Eurytomidae), damaging Stipa, Bromus, and Zerna in the Ukrainian-SSR. (Rus) Entomol. Obozr. 44(3):632-648. Ref. 1965. 421 R322
English summary.
Includes n. sp. in Tetramesa.

Lepidoptera

SEE ALSO Sericulture and the Silkworm.

- 70507 ARBOGAST, R. T. Biology and migratory behavior of Agrauius vanillae (L.) (Lepidoptera, Nymphalidae). Diss. Abs. 26(10):6243. Apr. 1966. 241.8 M58
- 70508 ARDAO, M. I., SOSA PERDOMO, C., and PELLATON, M. G. Venom of the Megalopyge urens (Berg) caterpillar. Nature [London] 209(5028):1139-1140. Mar.12,1966. 472 N21
- 70509 BARLOW, C. A. Effect of zinc ions on mitosis in wing anlagen of Ephestia kuehniella Z. in vitro. Nature [London] 209(5027):1045-1046. Mar.5,1966. 472 N21
- 70510 BERIO, E. Reply to Tams' comment concerning Hubner's "Erste Zutrage" Z.N.(S). 1611. Bull. Zool. Nomencl. 22(5/6):341-342. Jan.31, 1966. 410 B874
- 70511 CHAN, S. K., and MARGOLIASH, E. Biosynthesis of cytochrome c in developing pupae of Samia cynthia. J. Biol. Chem. 241(10):2252-2255. Ref. May 25,1966. 381 J824
- 70512 COSENZA, B. J., and PODGWAITE, J. D. A new species of Proteus isolated from larvae of the gypsy moth Porthetria dispar (L.). Antonie van Leeuwenhoek J. Microbiol. Serol. 32(2):187-191. Ref. 1966. 448.8 N28A
Proteus myxofaciens.
- 70513 DRECKTRAH, H. G., KNIGHT, K. L., and BRINDLEY, T. A. Morphological investigations of the internal anatomy of the fifth larval instar of the European corn borer [Ostrinia nubilalis]. Iowa State J. Sci. 40(3):257-286. Ref. Feb.15, 1966. 470 Io9
- 70514 EVANS, G. O., and CHINA, W. E. Opinion '55, Calephelis Grote & Robinson, 1869 (Insecta, Lepidoptera): designation of a type-species under the plenary powers. Bull. Zool. Nomencl. 22(5/6):282-283. Jan.31,1966. 410 B874
- 70515 FALKOVICH, M. I. New Palearctic species of leaf-rollers of the subfamily Olethreutinae (Lepidoptera, Tortricidae). (Rus) Akad. Nauk SSSR. Zool. Inst. Tr. 37:208-227. 1966. 410.9 L543
In Choganhia, Hedya, Apotomis, Olethreutes, Cymolomia, Selenodes, Pseudohermenias, and Endothenia.
- 70516 GEISPITS, K. F. Photoperiodic and temperature reactions affecting seasonal development of the pine moths Dendrolimus pini L. and D. sibiricus Tschetw. (Lepidoptera, Lasiocampidae). (Rus) Entomol. Obozr. 44(3):538-553. Ref. 1965. 421 R322

- 70517 GIBB, J. A. Tit predation and the abundance of *Ernarmonia conicolana* (Heyl.) on Weeting Heath, Norfolk, 1962-63. *J. Anim. Ecol.* 35(1): 43-53. Feb. 1966. 410 J826
- 70518 GIGJA, G. Diamond back moth [*Plutella maculipennis*] discovered on the active volcanic Surtsey Island south of Iceland. (Ic) *Natuurfruchtvingurinn* 35(3):149-150. Nov. 1965. 410 N2192
English summary.
- 70519 HARCOURT, D. G., and CASS, L. M. Photoperiodism and fecundity in *Plutella maculipennis* (Curt.). *Nature [London]* 210(5032):217-218. Apr. 9, 1966. 472 N21
- 70520 KANAMITSU, K. Preparation for the life table *Evetria cristata* Walsingham. (Ja) *Jap. Forest. Soc. J.* 47(11):396-400, map. Ref. Nov. 1965. 99.8 N62
English summary.
- 70521 KIND, T. V. Neurosecretion and voltinism in the moth *Orgyia antiqua* L. (Lepidoptera, Lymantriidae). (Rus) *Entomol. Obozr.* 44(3):554-556. 1965. 421 R322
- 70522 KRACIL'NIKOVA, G. A. Peculiarities of biology and phenology of moths Lepidoptera, Pyralidae. (Rus) *Akad. Nauk Turkm. SSR. Izv. Ser. Biol. Nauk* 3:61-68. 1965. 442.9 Ak124
Abstracted in Ref. Zh. Biol. 22(sect.E):26. Nov. 1965. 241.7 R25
- 70523 KUZNETSOV, V. I. New species of leaf-rollers (Lepidoptera, Tortricidae) from south of Maritime Territory. (Rus) *Akad. Nauk SSSR. Zool. Inst. Tr.* 37:177-207. 1966. 410.9 L543
In *Epinothia*, *Gypsonoma*, *Spilonota*, *Eucosma*, *Astenodes* n. g., *Phalonidia*, *Stenodes*, *Aethes*, *Cnephasia* and *Laspeyresia*.
- 70524 LAJONQUIERE, E. DE. Discovery of a new species and a new subspecies of the genus *Pseudohadena* Alpheraky (complementary note) (Noctuidae). (Fr) *Alexanor* 3(7):289-292. 1964. 421 AL2
- 70525 ROTGER, B., ESCALANTE, T., and CORONADO-G, L. A new species and a new subspecies in *Anaea* Hubner (Lepid., Nymphal.). (Sp) *Ciencia* 24(3/4):141-144. Aug. 25, 1965. 475 C48
Anaea neidhoeferi n. sp. and *A. euryppyle glanzi* n. subsp.
- 70526 SEILER, J. Investigations on the origin of parthenogenesis in *Solenobia triquetrella* F. R. (Lepidoptera, Psychidae). VI. (Ge) *Chromosoma* 16(4):436-476. Ref. 1965. 442.8 C46
English summary.
Chromosome study.
- 70527 SMITH, D. S., GUPTA, B. L., and SMITH, U. The organization and myofilament array on insect visceral muscles. *J. Cell Sci.* 1(1):49-57. Ref. Mar. 1966. QH301.J6
Ephestia kuehniella, *Periplaneta americana*, and *Carausius morosus*.
- 70528 VUKASOVIC, P., and GLUMAC, S. The effect of the duration of light and temperature on the diapause of the European corn borer (*Pyrausta nubilalis* Hubn.). (Se) *Savremena Poljoprivreda* 13(6):551-554. June 1965. 21 P75
English summary.
- 70529 WATT, W. B., and BOWDEN, S. R. Chemical phenotypes of pteridine colour forms in *Pieris* butterflies. *Nature [London]* 210(5033):304-306. Ref. Apr. 16, 1966. 472 N21
Pieris brassicae and *P. napi*.
- 70530 ZAGULYAEV, A. K. New species of the moths of the families Tineidae and Ochsenheimeriidae (Lepidoptera). (Rus) *Akad. Nauk SSSR. Zool. Inst. Tr.* 37:148-176. Ref. 1966. 410.9 L543
In *Ochsenheimeria*, *Ateliotum*, *Episcardia*, *Ceratophaga*, *Anemallota*, and *Tinea*.
- Orthoptera**
- 70531 ANWAR, M. Muscular system of *Poecilocerus pictus* (Fb) Acrididae, Orthoptera. *Pakistan J. Sci.* 17(1):3-26. Ref. Jan. 1965. 475 P172
- 70532 BHOWMIK, H. K. A new species of the grasshopper genus *Sjostedtia* Bolivar, (Insecta, Orthoptera, Acrididae) from India. *Calcutta. Zool. Soc. Proc.* 18(1):59-62. Apr. 1965. 410.9 Z73
Sjostedtia sukhadae n. sp.
- 70533 BLACKITH, R. E., and BLACKITH, R. M. The anatomy and physiology of the morabine grasshoppers. I. Digestive and reproductive systems. *Australian J. Zool.* 14(1):31-48. Ref. Feb. 1966. 410 Au73
Morabinae in Australia.
- 70534 CASSIER, P. Phototopic reaction of *Locusta migratoria migratorioides* (R. & F.), gregarious phase, after abdominal implantation of corpora allata. (Ge) *Insectes Sociaux* 11(2): 131-140. Ref. June 1964. 421 In79
English summary.
- 70535 GIRARDIE, A. Contribution to the study of control of water metabolism in *Gryllus bimaculatus* (Orthoptera): diuretic function of the pars intercerebralis. (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(12):1361-1364. Ref. Mar. 21, 1966. 505 P21
- 70536 GRELLET, P. Water content, osmotic pressure and hydrogen-ion concentration in the egg of *Scapsideus marginatus* Afz. and Br. (Orthoptera, Gryllidae). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(14):1568-1571. Apr. 4, 1966. 505 P21
- 70537 GUTHRIE, D. M. Physiological competition between host and implanted ganglia in an insect (*Periplaneta americana*). *Nature [London]* 210(5033):312-313. Apr. 16, 1966. 472 N21
- 70538 OSMANI, Z., and NAIDU, M. B. Further studies on the release of acetylcholine in the cockroach, *Periplaneta americana* (Linnaeus), maintained at different temperatures. *Calcutta. Zool. Soc. Proc.* 18(1):79-85. Ref. Apr. 1965. 410.9 Z73
- 70539 PASSAMA-VILLAUME, M. Brown pigmentation in three Orthoptera: *Mantis religiosa* (L.), *Sphodromantis viridis* (F.) and *Locusta migratoria* (L.). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(14):1597-1599. Apr. 4, 1966. 505 P21
- 70540 RAABE, M. Studies on the neurosecretion in gastric nerve chains of phasmid, *Clitumnus extradentatus*: the thickening of transverse nerves, organs of probable neurohemal signification. (Fr) *Acad. Sci. Compt. Rend.* 261(20):4240-4243. Nov. 15, 1965. 505 P21
- 70541 SCHIN, K. S. Core structures in the meiotic and post-meiotic nuclei during spermatogenesis in *Gryllus domesticus*. (Ge) *Chromosoma* 16(4): 436-452. Ref. 1965. 442.8 C46
English summary.
- 70542 SMITH, U., and SMITH, D. S. Observations on the secretory processes in the corpus cardiacum of the stick insect, *Carausius morosus*. *J. Cell Sci.* 1(1):59-66. Ref. Mar. 1966. QH301.J6
- 70543 STOLYAROV, M. V. Species list and ecological groups of Orthoptera in Badkhyz in Turkmenia. (Rus) *Entomol. Obozr.* 44(3):586-594. Ref. 1965. 421 R322
English summary.
- 70544 STRONG, L. Effect of removal of the frontal ganglion on corpus allatum function in *Locusta migratoria migratorioides* R. and F. *Nature [London]* 210(5033):330-331. Apr. 16, 1966. 472 N21
- Smaller Orders**
- 70545 BARETH, C. Temporary regression of a secondary sexual characteristic of the *Campodea remyi* Denis. (Preliminary observations). (Fr) *Acad. Sci. Compt. Rend. Ser. D*, 262(1): 165-167. Jan. 3, 1966. 505 P21
- 70546 BECKER, G., and KERNER-GANG, W. Injury and benefit in termites through fungi. (Ge) *Z. f. Angew. Ent.* 53(4):429-448. Apr. 1964. 421 Z36
English summary.
As pathogens and as feed.

- 70547 BELYSHV, B. F. Cases of colonization in Siberia of Odonata from the West, originally of eastern origin. (Rus) Geograficheskoe obshchestvo SSSR, Vostochno-Sibirskoe Otdelenie. Izvestiya 62:18-20. 1964. (Not in Libr.) Abstracted in Ref. Zh. Biol. 19(sect.E):8-9. Oct.1965. 241.7 R25
- 70548 CARRICABURU, P. Determination of the index of refraction in *Aeschna mixta* L. rhabdom. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(12): 1359-1360. Mar.21,1966. 505 P21
- 70549 CASSAGNAU, P. Apropos *Ceratophysella norensis* n. sp.: malleable species, and unstable characteristics of Collembola, Hypogastruridae. (Fr) Soc. Zool. France. Bull. 89(4):414-422. 1964, pub. 1965. 410.9 P214B
- 70550 COLLINS, M. S., and RICHARDS, A. G. Studies on water relations in North American termites. II. Water loss and cuticular structures in eastern species of the Kalotermitidae (Isoptera). Ecology 47(2):328-331. Early Spring 1966. 410 Ec7
- 70551 DARSKAYA, N. F. Methods of study of life cycles of fleas. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhivotnykh, p.363-385. Ref. 1965. 436 K544
- 70552 EVANS, G. O., and CHINA, W. E. Opinion 758; *Diplectrona* Westwood, 1839 (Insecta, Trichoptera): validation and designation of a type-species under the plenary powers. Bull. Zool. Nomencl. 22(5/6):288-289. Jan.31,1966. 410 B874
- 70553 FLINT, O. S. Type disposition of some recently described Hemerobiidae (Neuroptera). Entomol. Soc. Wash. Proc. 68(1):24. Mar. 1966. 420 W27
- 70554 FRIEDLANDER, M., and WAHRMAN, J. Giant centrioles in neuropteran meiosis. J. Cell Sci. 1(1):129-144. Ref. Mar.1966. QH301.J6
- 70555 GLOGER, H. Bemerkungen über die Odonaten-Fauna der Galapagos Inseln nach der Ausbeute von Juan Foerster, 1959 [Remarks on the Odonata fauna of the Galapagos Islands based on the collections of Juan Foerster, 1959]. Opusc. Zool. 74, 6 p. Ref. Dec.15,1964. 410 Op7
- 70556 HUSSON, R., and PALEVODY, C. Adaptation of cave loving Collembola, *Folsomia candida* var. *distincta* to life on the water surface. (Fr) Acad. Sci. Compt. Rend. Ser. D, 262(14):1586-1588. Apr.4,1966. 505 P21
- 70557 JENSEN, P., and CORBIN, K. W. Some factors affecting aggregation of *Isotoma viridis*, *bourlet* and *Arion fasciatus*, Nilsson. Ecology 47(2): 332-334. Early Spring 1966. 410 Ec7
- 70558 NEUNZIG, H. H. Larvae of the genus *Nigronia* Banks (Neuroptera: Corydalidae). Entomol. Soc. Wash. Proc. 68(1):11-16. Mar.1966. 420 W27
- 70559 NOSEK, J. A new species of Protura from Central Europe, *Protentomon tuxeni* sp. n. Cesk. Společnosti Zool. Vestník 30(1):49-53. Feb.1966. 410.9 C33
- 70560 O'NEILL, K. A new synonym of *Taeniothrips eucharis* (Whetzel) (Thysanoptera: Thripidae). Entomol. Soc. Wash. Proc. 68(1):5. Mar.1966. 420 W27
Taeniothrips rohdeae, synonym.
- 70561 PALISSA, A. Insekten. I. Apterygota [Insects. I. Apterygota]. Leipzig, Quelle & Meyer, 1964. Ref. (Brohmer, P., Ehrmann, P., and Ulmer, G., ed. Die Tierwelt Mitteleuropas, v.4, lief.1a) 407 p. 411 B784
- 70562 PRITYKINA, L. N. Data on morphoecological classification of dragon-fly larvae (Odonata). (Rus) Entomol. Obozr. 44(3):503-519. Ref. 1965. 421 R322
English summary.
- 70563 ROONWAL, M. L., and CHHOTANI, O. B. Two new species of *Euhamitermes* Holmgren (Insecta, Isoptera, Termitidae) from India. Calcutta. Zool. Soc. Proc. 18(1):11-19. Apr.1965. 410.9 Z73
Euhamitermes kanhaensis n. sp., and *E. karnatakensis* n. sp.
- 70564 RUSEK, J. On the *Diplura* (Apterygota) of Czechoslovakia. (Cz) Českoslov. Společnost Zool. Vest. 28(2):134-154, map. Ref. May 1964. 410.9 C33
- 70565 RUSEK, J. Species of Collembola from Czechoslovakia. (Ge) Cesk. Společnosti Zool. Vestník 30(1):54-64. Feb.1966. 410.9 C33
Includes *Tullbergia moravica*, *Folsomia monosetosa* and *Proisotoma absoloni*, n. spp.
- 70566 SABILAEV, A. S. Flea exchange between *Rhombomys opimus* Licht. and *Dipodidae*. (Rus) Zool. Zhur. 45(2):312-313. 1966. 410 R92
English summary.
- 70567 SARMA, P. K. S., and KLOFT, W. *Trophallaxis* in pseudoworkers of *Kaloterms flavicollis* (Fabricius) (Insecta, Isoptera, Kalotermitidae) using radioactive 131 . Calcutta. Zool. Soc. Proc. 18(1):41-46. Ref. Apr.1965. 410.9 Z73
- 70568 TJEDER, B. Chrysopinae in Neuroptera and Diptera: proposed use of the plenary powers to remove homonymy. Z.N.(S.) 1725. Bull. Zool. Nomencl. 22(5/6):332-333. Jan.31,1966. 410 B874
- 70569 WENKE, T. L. Some ecological relationships of mayflies, caddisflies, and fish in the Mississippi River near Keokuk, Iowa. Diss. Abs. 26 (10):6257. Apr.1966. 241.8 M58

AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

GENERAL AND MISCELLANEOUS

- 70570 CAMPBELL, S. Farm safety. Agr. Northern Ireland 40(12):374-378. Apr.1966. 256.13 Ag82M
- 70571 COX, W. T., ENNIS, L., and GAILLARD, J. T. Agricultural engineering. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966: 24-26. 275.29 AL1Su
Extension programs.
- 70572 HARTYANI, F. Accident situation in agriculture. (Hu) Magyar Mezogazdasag 21(15):11. Apr.13,1966. 19 M27
- 70573 HUDEK, E. P. The agricultural engineer in Canadian agriculture. Can. Agr. Eng. 8(1):inside front cover. Jan.1966. 58.8 C164
Role of the Canadian Society of Agricultural Engineering.
- 70574 HUGUENOT, R. Construction of roads on dikes in plantations. (Fr) Oleagineux 21(3):155-157. Mar.1966. 77.8 OL2
- 70575 KIRIN PROVINCIAL TRANSPORTATION RESEARCH INSTITUTE. Technical standard of rural roads for agricultural mechanization. U. S. Joint Publ. Res. Serv. Transl. Communist 9:1-7. Apr.7,1965. (JPRS 29,477) 173 J663Tcct
Translation from Kung Lu 12:20-22. Dec.20, 1964.
Issued by CFSTI.
- 70576 LU, S. F. On surveying of farm land. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 5:36-42. Feb.14,1966. (JPRS 34,121; TT 66-30563) 173 J663Tt
Translation from Ti Li 5:225-226. Sept.27, 1965.
Issued by CFSTI.
- 70577 MOSNY, D., and others. Ochrana zivota a zdravia v pol'nohospodarstve [Accident prevention in agriculture]. Bratislava, Praca, 1965. 460 p. Ref. HD7269.A52M6
A. Durdovic, D. Machac, L. Simlovic, and S. Zolnay, joint authors.
- 70578 MUTHUSWAMY, D. Prevent accidents on your farm. Intensive Agr. 2(11):23,28. Jan.1965. 22 In8
India.
- 70579 WINKELBLECH, C. S. Farm ponds in New York. Cornell Univ. Ext. Cornell Ext. Bull. 949,rev.,32 p. Apr.1966. 275.29 N48E

FARM MACHINES AND EQUIPMENT

- 70580 ANCHISI, L. Towards more rational methods in mechanization. (It) Trattorista 12(6):123-124. Apr.15,1966. 58.8 T69
- 70581 ANDRASI, J., and VADKERTI, Z. Winter maintenance of equipment. (Hu) Mezogazdasagi Tech. 5(11):1-3. 1965. 58.8 M572
- 70582 ARNOLD, P. C., and ROBERTS, A. W. Stress distributions in loaded wheat grains. J. Agr. Eng. Res. 11(1):38-43. Ref. Mar.1966. 58.8 J82
During mechanical handling by conveying and processing equipment.
- 70583 BARTLE, W. H. New machinery. Sports Turf Res. Inst. J. 41:59-75. 1965. 60.19 B772
For turf maintenance.
- 70584 BARTLETT, G. S. More mechanised operations this season. S. Afr. Sugar J. 50(3):242-245,247,249. Mar.1966. 65.8 S08
For sugarcane.
- 70585 BENEDETTI, A. The new reality of the machine. (It) Ital. Agr. 103(4):345-354. Apr. 1966. 16 It1
Situation of agricultural mechanization.

- 70586 BERGER, B. E. New developments in work patterns. Town Country Church 187:10-13. Mar./Apr.1966. 281.28 T66
Includes mechanization in agriculture.
- 70587 BIBI, E. Selection problem in machine purchasing. (It) Macch. Motori Agr. 24(4):55-60. Apr.1966. 58.8 M13
- 70588 BLAZEK, J. Analysis of the principal operation properties of top ensilage unloaders with attached frame. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(4):179-188. Apr. 1966. 58.9 C333
English summary.
- 70589 BLAZEK, J. A contribution to the theory and calculations of the upper unloaders of the tower silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(10):585-600. Oct.1965. 58.9 C333
English summary.
- 70590 BLAZEK, J. Tests of loading equipment in tower silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):493-504. Aug./Sept. 1965. 58.9 C333
- 70591 BORODICH, M. Quality, reliability, and durability of Gomel' agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:14-17. Aug.25,1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 28:40. July 14,1965.
Issued by CFSTI.
- 70592 BULGARU, M., and ROZEN, M. Development and consolidation of machine tractor stations. (Rum) Rev. Statist. 14(11):14-25. Nov.1965. 267.8 S222
Statistics.
- 70593 CHIRONI, G. I costi della meccanizzazione nelle zone cerealicole della Sicilia [Mechanization costs in the grain region of Sicily]. Palermo, Istituto Nazionale Economia Agraria, Osservatorio Economia Agraria Sicilia, 1965. 226 p. S760.I8C5
- 70594 CLEMO, A. J. The thorny problem of second-hand machinery. AMJ (Agr. Mach. J.) 20(5): 20-21. May 1966. 58.8 Ag86
Marketing.
- 70595 CZAJKOWSKI, S., and PUCZEK, L. Directive tasks of state machine stations in Poland. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 428:19-32. Mar.29,1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from Mechanizacja Rolnictwa 15(3):5-15. Feb.1966.
Issued by CFSTI.
- 70596 DIFFIDENTI, G. A. At what point is the mechanization of beet culture? (It) Trattorista 12 (8):183-186. May 15,1966. 58.8 T69
- 70597 DOJUTREK, T. The organization of intra-circle machine bases (MBM). U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 441:1-9. May 19,1966. (JPRS 35,599; TT 66-32034) 173 J663Ste
Translation from Mechanizacja Rolnictwa 7: 8-11. Apr.1/15,1966.
Issued by CFSTI.
- 70598 DREVER, J. G. Selecting farm machinery. Agr. Gaz. New S. Wales 77(2):66-72. Feb.1966. 23 N472
- 70599 DUC, T. Promote the technological revolution in agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:79-95. Apr.21,1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Mechanization.
Translation from Hoc Tap 2:68-80. Feb.1966.
Issued by CFSTI.

- 70600 EICHLER, C., and RUDOLPH, O. Grundlagen der Instandhaltung von Landmaschinen und Traktoren [Principles of maintenance of agricultural machines and tractors]. Ed. 2, rev. Berlin, VEB Verlag Technik, 1966. 312 p. S675.E4
- 70601 EIMER, M. Possibilities of evaluating load recordings with regard to strength. (Ge) Landtech. Forsch. 16(2):56-62. Ref. 1966. 58.8 L2332
Review of literature.
Equipment and vehicle tests.
- 70602 ELES, S. Preventive maintenance service. (Hu) Mezogazdasagi Tech. 6(1):6-8. 1966. 58.8 M572
For equipment.
- 70603 ENDAHL, L. The growing rural electric appliance market surveyed. Rural Elec. 24(9):28-30. June 1966. 335.8 N21
- 70604 ERVAL'D, A. Preparations for spring agricultural season. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:16-18. Apr. 27, 1966. (JPRS 35,213; TT 66-31650) 173 J663Tsi
Repair of equipment, including tractors.
Translation from Pravda Vostoka, Feb. 8, 1966:4.
Issued by CFSTI.
- 70605 FELDMANN, F. The importance of motorization and mechanization for agriculture. (Ge) Chem. Tech. Landwirt. 17(1):3-4,6. (Cont.) Jan. 1966. 384 C4292
- 70606 FILLA, M. Planning of mechanical production of tomato. (Hu) Kerteszeti Szolozs. 15(8):8-9. Apr. 1966. 80 K474
- 70607 FISER, Z. Transportation system for hay and forage plants for ensilage in tower silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):455-466. Aug./Sept. 1965. 58.9 C333
- 70608 GIUDICE, C. L. Considerations of the level of mechanization. (It) Macch. Motori Agr. 24(4):49-52. Apr. 1966. 58.8 M13
- 70609 GONCZI, I. Economic problems of agricultural fixed stock with special emphasis on mechanization. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:229-244. Ref. 105.9 D354
German summary.
Includes discussion by F. Erdei, Gy. Pinter, P. Toszegi, I. Berend, Gy. Kurucz and reply by the author on p. 287-326.
- 70610 GORYACHKIN, M. I. Economic problems involved in the creation of new agricultural equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:4-8. Apr. 27, 1966.
Design.
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:2-4. Jan. 1966.
Issued by CFSTI.
- 70611 GOTZ, W. Are we utilizing the technique? (Ge) Landmasch.-Markt 45(10):589-590. May 8, 1966. 58.8 L239
- 70612 GOTZ, W. When [to use] forage beets? (Ge) Tech. Landwirt. 18(5):152-153. May 5, 1966. 58.8 T223
Mechanization.
- 70613 HANDEL, K. Purchasing of used farm machines and vehicles. (Ge) Lohnunternehmen Land- Forstwirtschaft. 21(5):138,142. May 15, 1966. 58.8 D81
- 70614 HANKE, W. The status of the German farm machine industry. (Ge) Landtechnik 21(9):278,280. May 1966. 58.8 L235
- 70615 HAVLICKE, J. Methods of the evaluation of technical and economic effectiveness of repair of the damaged machine parts. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(1):17-25. Jan. 1966. 58.9 C333
English summary.
- 70616 HEIM, M. Thoughts on solving the second hand machine problem. (Ge) Landmasch.-Markt 45(9):486,488. Apr. 27, 1966. 58.8 L239
- 70617 HORVATH, L. Repair of axles and spindles. (Hu) Mezogazdasagi Tech. 5(11):4-5. 1965. 58.8 M572
- 70618 HSIANG, N. An inspection report on the mechanization of our agriculture. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 95:14-29. Jan. 11, 1966. (JPRS 33,691; TT 66-30135) 173 J663Tcf
Translation from Chung-kuo Nung Yeh Chi Hsieh, 11-20. May 1965.
Issued by CFSTI.
- 70619 HUAN, V. Q. Introduction of small machines into agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:96-108. Apr. 21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:81-89. Feb. 1966.
Issued by CFSTI.
- 70620 ILLES, T. Operation and economy of equipment. (Hu) Magyar Mezogazdasag 21(19):3-4. May 11, 1966. 19 M27
- 70621 ISSELSTEIN, R. Trends in farm machine construction in West and East. (Ge) Landtechnik 21(10):364-366,368-371. May 15, 1966. 58.8 L235
- 70622 IVANOV, P. V., and ZEL'TZER, V. YA. Osnovy mekhanizirovannogo osvoeniya sklonov pod vinogradniki [Basis for the mechanized establishment of vineyards on slopes]. Kishinev, Kartya Moldovenyaske, 1965. 127 p. Ref. SB397.I85
- 70623 JAKOBSSON, E. Farm mechanization. (Sw) Uppsala. Lans Hushallningssallsk. Handl. 147:43-49. 1965. 11 Up6
- 70624 KABYSH, S. Mechanization of agriculture. Stud. Soviet Union (n.s.) 5(3):72-78. Ref. Jan. 1966. 280.8 St92
- 70625 KADAR, L. Replacement is not always justified. (Hu) Mezogazdasagi Tech. 6(2):4-5. 1966. 58.8 M572
Equipment maintenance.
- 70626 KIKER, C. F., and ROSS, I. J. An equation of motion for multiple granular particles in free fall in enclosed vertical ducts. Amer. Soc. Agr. Eng. Pap. 813,29 p. Ref. 1965. 290.9 Am32P
Agricultural materials handling.
- 70627 KIRK, D. B. Preventive maintenance: gas fork lifts. Cotton Dig. 38(37):22-23. May 14, 1966. 286.82 C822
Loading equipment.
- 70628 KLEIN, L. M., and HARMOND, J. E. A moisture tester using exhaust heat. U. S. Agr. Res. Serv. ARS-42-108,4 p. Dec. 1964. A58.9 R31
For on-the-spot moisture testing in farming, processing and manufacturing.
- 70629 KOEV, K. Standardization in Bulgaria 1944-1964. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 422:13-23. Jan. 6, 1965. (JPRS 28,158) 173 J663Tre
Includes farm equipment.
Translation from Ratsionalizatsiya i Standartizatsiya 9:20-23. Sept. 1964.
Issued by CFSTI.
- 70630 LACHELIER, F. Where farm equipments stand to benefit from expansion in domestic and foreign markets. Mag. Wall St. 117(13):589-591,597-598. Mar. 5, 1966. 286.8 M27
- 70631 LANGVATN, H. Cost of farm machines and equipment. 1. (No) Norsk Landbruk 22:6-7. Nov. 5, 1965. 11 N8122
- 70632 LANGVATN, H. Cost of farm machines and equipment. 2. (No) Norsk Landbruk 23:4-5,17. Nov. 19, 1965. 11 N8122
- 70633 LANGVATN, H. Cost of farm machines and equipment. 3. (No) Norsk Landbruk 24:16-17, 21. Dec. 3, 1965. 11 N8122

- 70634 LI, L. H. Design of the Chen-chiang Agricultural Machinery College. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 176:12-17, map. May 5, 1965. (JPRS 29,933; TT 65-30917) 173 J663Tcco
Translation from Chien Chu Hsueh Pao 11-12: 20-21. Dec. 25, 1964.
Issued by CFSTI.
- 70635 LUCAS, N. G. Bale handling systems. Farm Mech. 18(201):16-20. May 1966. 58.8 B772
- 70636 LUDEMANN, H. Farm mechanization in view of the 49th DLG show. (Ge) Landmasch.-Markt 45(10):585-588. May 8, 1966. 58.8 L239
Situation.
- 70637 MACHARDY, F. V. A method for sizing farm machines for weather dependent operations. Can. Agr. Eng. 8(1):26-28. Jan. 1966. 58.8 C164
- 70638 MACHARDY, F. V. Programming for minimum-cost machinery combinations. Can. Agr. Eng. 8(1):22-25. Jan. 1966. 58.8 C164
Linear.
- 70639 MARING, J. The grinding of knives for agricultural use. (Du) Landbouwmecanisatie 17 (5):549,553-554. May 1966. 58.8 L2352
English summary.
- 70640 MICHELMORE, G. Tipping trailers for bulk grain. Power Farming Australia New Zeal. Better Farming Dig. 75(4):43. Apr. 1966. 58.8 P87
- 70641 MILLER, M. P., TURRELL, F. M., and AUSTIN, S. W. Solid fuel candle-type orchard heaters. Calif. Citrogr. 51(7):270. May 1966. 80 C125
- 70642 MILITIU, A. Equipment for the culture of ornamental plants. (Rum) Gradina, Via Livada 14(2):68-72. Feb. 1965. 80 G75
- 70643 MOBERG, H. A., and STAAF, A. Views on a common alternate use of machinery in agriculture and forestry. I-II. (Sw) Skogs-Lantbruksakad. Tidskr. 104(6):397-408. 1965. 104 Sw3
English summary.
Discussion, p.408-415.
- 70644 MOLDOVAN, P. Perspectives of the mechanization of agriculture in Rumania. (Rum) Mec. Elec. Agr. 11(1):3-7. Jan. 1966. 58.8 M4623
- 70645 PAILODZE, D. Tbilisi conference on agricultural mechanization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:9-12. Apr. 27, 1966. (JPRS 35,213; TT 66-31650) 173 J663Tsi
Translation from Molodezh' Gruzii, Dec. 16, 1965:2.
Issued by CFSTI.
- 70646 PEDRINI, E. Use of farm machine in the Bologna Province. (It) Macch. Motori Agr. 24 (4):87-102, 104, 106, 108-111. Apr. 1966. 58.8 M13
Statistics.
- 70647 PETRENKO, N. Progressive experience in production of sugar beets. (Rus) Tekh. Sel'skom Khoz. 4:7-9. Apr. 1966. 58.8 M11
Mechanization.
- 70648 PETROVSKIY, N. New combination cultivator, top dresser, and sprayer. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:21-22. Aug. 25, 1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Operation.
Translation from Pravda Vostoka, July 20, 1965:4.
Issued by CFSTI.
- 70649 PISAREV, YU., and KLENOV, E. Odessa plant imeni Oktyabr'skaya Revolyutsiya under the new economic reform conditions. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 270:13-20. May 3, 1966. (JPRS 35,306; TT 66-31742) 173 J663Tsi
Soviet equipment industry.
Translation from Ekonomicheskaya Gazeta 10:29. 1966.
Issued by CFSTI.
- 70650 QUANG-MINH. Why the rejects? U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 169:7-9. May 13, 1965. (JPRS 30,062) 173 J663Trn
Agricultural equipment.
Translation from Lao Dong, Dec. 24, 1964:2.
Issued by CFSTI.
- 70651 RAKOSI, GY. Installation of roller bearings. (Hu) Mezogazdasagi Tech. 6(1):8-9. 1966. 58.8 M572
- 70652 RIDDER, J. Forskellige former for maskin-anvendelse; faellesmekanisering og maskin-station [Various types of machinery use: co-operative mechanization and machines stations]. Landokon. Driftsbur. Undersog. Landbrugets Driftsforhold. Period. Beretn. 22, 29 p. 1965. 11 D414P
- 70653 RITCHIE, W. Why a tight machinery supply? Doane's Agr. Rep. 29(14):27. May 8, 1966. 281.8 D652
Sales.
- 70654 RUNCHEV, M. S. Novelty in electro-mechanization of the animal-husbandry farms. 15 p. Transl. 14739
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 17(3):35-39. 1959.
- 70655 SAKURAI, H. The mechanization of North Korean agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 174:135. Jan. 11, 1966. (JPRS 33,686; TT 66-30130) 173 J663Er
Translation from Ajia Keizai 64-75. Nov. 1965.
Issued by CFSTI.
- 70656 SCHAFER, K. Conditions for simplification of farming. (Ge) Tech. Landwirt. 18(5):140-141. May 5, 1966. 58.8 T223
Includes mechanization aspects.
- 70657 SCHULZ, H. Unloading and conveying from loading wagons. (Ge) Landtechnik 21(9):280-281, 284, 286, 288. May 1966. 58.8 L235
Chiefly of forage.
- 70658 SCHULZ, H., HERPPICH, R., and WAGNER, M. Examinations on the power requirement of loading cars. (Ge) Landtech. Forsch. 16(2):33-41. 1966. 58.8 L2332
English summary.
- 70659 SHA, L. K. Topographic factors in agricultural mechanization. U. S. Joint Publ. Res. Serv. Transl. TI-Li (Geogr.) 5:15-23. Feb. 14, 1966. (JPRS 34,121; TT 66-30563) 173 J663Tt
Translation from Ti Li 5:215-217. Sept. 27, 1965.
Issued by CFSTI.
- 70660 SHEVCHENKO, S. Specialization of agricultural machinery repairs. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:7-11. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Costs.
Translation from Sovetskaya Rossiya Feb. 25, 1966:2.
Issued by CFSTI.
- 70661 SHEVCHENKO, S. V. The purchase and repairs of machinery in villages. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:29-31. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Rossiya Dec. 26, 1965:3.
Issued by CFSTI.
- 70662 SRIDHARAN, C. S. Farm mechanization marches ahead. Indian Farming 15(7):17, 19. Oct. 1965. 22 In283
- 70663 STEFFL, Z. Utilization of machines with the aid of large-scale technology in Czechoslovakia. (Hu) Debreceni Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:275-282. 105.9 D354
- 70664 STEVENS, G. N. Aspects of the performance of small auger grain conveyors. J. Agr. Eng. Res. 11(1):11-18. Mar. 1966. 58.8 J82

- 70665 STEVENS, G. N. Design and performance of auger conveyors. *Farm Mech.* 18(201):31-32. May 1966. 58.8 B772
- 70666 TEL'NOV, N., SAVCHENKO, V., and SURAVTSOV, I. Cleaning replacement parts in super-sonic vibration machine. (Rus) *Tekh. Sel'skom Khoz.* 4:69-70. Apr. 1966. 58.8 M11
- 70667 THOMSEN, I. V. Good advice on the use of equipment. (Da) *Lundbaek, Nordjyllands Landbrugssk. Elevfor. Aarsskr.* 1965:38-42. 275.9 L97
- 70668 THOMSON, A. A. Understanding farm machinery pricing. *Can. Farm Equip. Dealer* 62(5):38. May 1966. 58.8 C163
- 70669 THORNBROUGH, A. A. The function of agricultural machinery in increasing production. (Sp) *Tierra [Mexico]* 20(10):792,843. (Cont.) Oct. 1965. 8 T445
- 70670 TIMBERS, G. E., STALEY, L. M., and WATSON, E. L. Some mechanical and rheological properties of the Netted Gem potato. *Can. Agr. Eng.* 8(1):15-18. Ref. Jan. 1966. 58.8 C164
In terms of engineering parameters.
- 70671 TKACHENKO, A. Excessive number of farm machine brands and lack of spare parts unification. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 233:1-4. Oct. 21, 1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi
Translation from *Pravda Ukrainy*, June 16, 1965:2.
Issued by CFSTI.
- 70672 VAVRA, A. The velocity of particles in a pneumatic conveying system. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 38(10):601-622. Ref. Oct. 1965. 58.9 C333
English summary.
Grain.
- 70673 VELEBIL, M. Technological processes in the disposal of manure from deep litter. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 39(2):57-71. Ref. Feb. 1966. 58.9 C333
English summary.
Handling, loading and transportation equipment.
- 70674 VERTREGT, N. Determination of the firmness of potatoes. *Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded.* 280/295:109-111. 1965. 60.9 W123
Bruising in relation to use of equipment.
- 70675 VLASOV, N. Methods for determination of losses as a result of the depreciation of agricultural equipment. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 273:23-41. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from *Ekonomika Sel'skogo Khozyaistva* 2:32-46. 1966.
Issued by CFSTI.
- 70676 VOPALENSKY, V. Organizace oprav v zemedelskem zavode [Organization of repairs of equipment in farms]. *Praha, Statni Zemedelske Nakladatelstvi*, 1965. 279 p. Ref. S676.V6
- 70677 WADHWHA, N. D. Mechanical services to the farmers in Ghana. *Ghana Farmer* 9(2):64-70. May 1965. 24 G564
Farm machinery.
- 70678 WEPFER, K. Round about loading trailers. (Ge) *Landmasch.-Markt* 45(10):591-592. May 8, 1966. 58.8 L239
- 70679 WETTERBLAD, B. Easier handling of hay. (Sw) *Var Naring* 42(6/7):176-177,179. 1965. 44.8 M692
Equipment.
- 70680 YEZHEVSKIY, A. Review of the draft directives of the 23rd congress of the CPSU. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 270:1-12. May 3, 1966. (JPRS 35,306; TT 66-31742) 173 J663Tsi
Equipment policies.
Translation from *Ekonomicheskaya Gazeta* 10:13-15. 1966.
Issued by CFSTI.
- 70681 ZYABKO, M. Greater efficiency in planning and developing agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] *USSR Indus. Develop. Soviet Tractors Agr. Mach.* 269:3-5. Apr. 29, 1966. (JPRS 35,259; TT 66-31696) 173 J663Tsi
Translation from *Kazakhstanskaya Pravda*, Oct. 15, 1965:3.
Issued by CFSTI.
- Animal Husbandry Equipment**
- 70682 ANAS, K. E. Some observations on pipeline milking installations. (Sw) *Joel* 4:3-5. 1965. 335.8 J59
- 70683 BARFIELD, A. Mechanized livestock feeding. *Beef Sheep Farming* 3(2):12,14,24. Apr. 1966. 43.8 B392
- 70684 BASHFORD, L. L. An automatic animal weight recording system. *Tucson?* 1966. 45 p. SF112.B3
Thesis (M.S.)—University of Arizona.
For range cattle.
- 70685 CHEBERKO, V., NAIDENKO, V., and FILIPPOV, V. Mechanized feed preparing shop. (Rus) *Tekh. Sel'skom Khoz.* 4:19-23. Apr. 1966. 58.8 M11
For swine.
- 70686 DAVIS, B. M. Too hot for comfort. *EMB (Egg Marketing Board) Bull.* 6(3):47,49. Mar. 1966. 280.38 Eg3
Sprinklers used for poultry.
- 70687 GRIFFIN, J. G. Radiant energy distribution of three gas-fired infrared chick brooders. U. S. Agr. Res. Serv. *ARS-42-114*, 16 p. Ref. Mar. 1966. A58.9 R31
- 70688 GUBA, S. Expert machine milking. (Hu) *Magyar Mezogazdasag* 21(13):18-19. Mar. 30, 1966. 19 M27
- 70689 HALL, H. S. Developments in dairy equipment and machinery. *Roy. Ass. Brit. Dairy Farmers. J.* 70:22-26. 1966. 44.9 B77
On the farm.
- 70690 HILLMAN, P. J. Testing milking machines. 2. *Farm Mech.* 18(201):35-36,41. May 1966. 58.8 B772
- 70691 IZ'YUROV, A., and VIDOVA, A. Complex mechanization for swine feeding. (Rus) *Tekh. Sel'skom Khoz.* 4:23-24. Apr. 1966. 58.8 M11
- 70692 KOLAR, K. First results of tests with machine milking of sheep in Czechoslovakia. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 39(2):73-96. Ref. Feb. 1966. 58.9 C333
English summary.
- 70693 MALLASZ, O. Cages that can be assembled. (Hu) *Baromfitenyesztes* 10(4):31. Apr. 1966. 47.8 B262
For rabbits.
- 70694 NICOLESCU, M. Electric equipment for shearing sheep. (Rum) *Mec. Elec. Agr.* 11(1):8-14. Jan. 1966. 58.8 M4623
- 70695 RELIIN, S. Application of milking machines in large farms at Voivodina. (Hu) *Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai* 1964:283-286. 105.9 D354
German summary.
- 70696 ROGOZHNIKIN, N. Improving operation of milking machines. (Rus) *Tekh. Sel'skom Khoz.* 4:14-19. Apr. 1966. 58.8 M11
- 70697 SCHEFFLER, E., and STROPPEL, A. Examinations on silage feeding systems for cattle. (Ge) *Landtech. Forsch.* 16(2):48-55. 1966. 58.8 L2332
English summary.

- 70698 STROPPEL, A., and PAUL, J. Investigations on conveying coarse meal using circular section steel chains. (Ge) Grundlagen Landtech. 15(4):121-124. 1965. 58.8 G92
English summary, content page.
Swine and poultry feeding.

- 70699 TURNER, R., and MURRAY, R. D. Pipeline milking in South-West Scotland. West Scot. Agr. Coll. Res. Bull. 35,10 p. 1965. 103 W52R

- 70700 VENTURA, P. Mechanization of milking. (It) Terra Trentina 11(9):321,323-326. Sept.1965. 16 T277

- 70701 WEBB, T. F. Feasibility tests of selected stimuli and devices to drive livestock. U. S. Agr. Res. Serv. ARS-52-11,19 p. Apr.1966. A289.9 R31
Various equipment and methods.

- 70702 YAROSHENKO, V. D., SOKOL, A. I., and SOB-CHENKO, V. N. Mechanization of shearing and prophylactical treatment of sheep. (Rus) Zhi-votnovodstvo 4:90-93. Apr.1966. 49 Z6

Cultivation and Tillage Equipment

- 70703 BAGANZ, K. Situation of tillage equipment development with attention to harvesting on difficult siltable soils. (Ge) Feldwirtschaft 7(3): 145-147. Mar.1966. 18 W763
Potatoes.

- 70704 BULANADI, J. Mechanization and soil building in the sugar industry. Sugar News [Manila] 42 (2):77-78,80. Feb.1966. 65.8 Su36
Chiefly tillage equipment and manure spreaders for sugarcane.

- 70705 CZOVEK, O. Mechanical digging. (Hu) Mezo-gazdasagi Tech. 6(5):6-7. 1966. 58.8 M572
Tillage equipment.

- 70706 EVERS, P. N. Thinning of sugar beets—today and in the future. (Ge) Landtechnik 21(9):288, 290-293. May 1966. 58.8 L235
Equipment.

- 70707 JONSSON, E. Comments on plows. (Sw) Var Naring 42(10):283. 1965. 44.8 M692
Operation.

- 70708 MAJKUTH, J. Mechanized care of corn. (Hu) Magyar Mezőgazdaság 21(20):10-11. May 18, 1966. 19 M27
Cultivator-weeders, chiefly.

- 70709 OGRYZKOV, E. P. Effect of speed of movement on the agrotechnical indexes of the plow. 6 p. Transl. 15740
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 3:40-41. 1962.

- 70710 PETERY, G. D. Your stake in grape stakes. Wines Vines 47(5):27-28. May 1966. 95.8 C122
Cultural equipment.

- 70711 PETLAKH, YA. Equipment and implements for pastures and meadow improvement. (Rus) Tekh. Sel'skom Khoz. 4:25-28. Apr.1966. 58.8 M11
Cultivators.

- 70712 SARKOZY, P. Is the plow for plowing or the plowing for the plow? (Hu) Mezőgazdasági Tech. 5(10):4-5. 1965. 58.8 M572

- 70713 SEIFERT, A. Investigation of three systems of hydraulic power lifts on plows with depth control on variable [heavy and light] soils. (Ge) Grundlagen Landtech. 15(4):107-115. 1965. 58.8 G92
English summary, content page.

- 70714 SIEG, R. Experiences with between-axle and front loader hoe. (Ge) Landmasch.-Markt 45 (10):595-597. May 8,1966. 58.8 L239

- 70715 SOEHNE, W. H. Characterization of tillage tools. Munchen, 1965. 10 p. S683.S6

- 70716 STOUT, E. A minimum tillage guide. Farm Power Equip. 41(3):22-25. Mar.1966. 58.8 F2292
Equipment.

- 70717 STROPPEL, T. Investigation of gas carburized moldboards. (Ge) Grundlagen Landtech. 15 (3):80,86. 1965. 58.8 G92

- 70718 STROPPEL, T. Testing of sweep shares. (Ge) Grundlagen Landtech. 15(2):46. 1965. 58.8 G92

- 70719 SWAMINATHAN, K., and POTHIRAJ, P. A note on the use of paddy intercultiuator and ridger on rice. Madras Agr. J. 53(2):81. Feb. 1966. 22 M262

- 70720 TSUCHIYA, M. Experimental studies on the tilth of paddy soil observed when a rotary tine is used. 108 p. Ref. Transl. 15829
Translation from Yamagata University. Bulletin 3(1):191-262. Feb.1959.

- 70721 WHITSED, W. Basic rules for machine thinning. Power Farming 36(5):29. May 1966. 58.8 P872
Sugar beets.

Fertilizing and Planting Equipment

- 70722 ANDERSON, D. T., and SMITH, A. D. Seeding mechanisms for trash-cover farming. Can. Agr. Eng. 8(1):33-36. Jan.1966. 58.8 C164
Wheat.

- 70723 BARALDI, G. Seed and precision drills. (It) Trattorista 12(6):125-131. Ref. Apr.15,1966. 58.8 T69

- 70724 BAROCCIO, A., and MANZO, P. Fertilization of the peach with the injector rod. (It) Ital. Agr. 103(4):355-364. Ref. Apr.1966. 16 It1

- 70725 CAMERON, B. J. Band seeding as an aid to pasture establishment. Power Farming Australia New Zeal. Better Farming Dig. 75(4):33, 35. Apr.1966. 58.8 P87
Equipment.

- 70726 CHAPLIEV, V. Mechanization of single seed sowing method of corn. (Rus) Tekh. Sel'skom Khoz. 4:9-11. Apr.1966. 58.8 M11

- 70727 CUNNINGHAM, F. M., and CHAO, E. Y. S. Design relationships for centrifugal fertilizer distributors. Counc. Fert. Appl. Proc., 41st Annu. Meeting:43-64. 1965. 57.9 N216

- 70728 DECOUX, L. The end of spring manual labor in beet culture. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(4):266-280. Feb.16/23,1966. 14 P215Bc
Mechanical planting of sugar beets.
Includes discussion.

- 70729 DERNEDDE, W. Investigations in the power requirement and spreading quality of manure spreaders with overlapping movement of the spreading rotors. (Ge) Grundlagen Landtech. 15(4):116-121. 1965. 58.8 G92
English summary, content page.

- 70730 ELLA, P. Equipment for transplanting seedlings in soil blocks. (It) Macch. Motori Agr. 23(7):69-74. July 1965. 58.8 M13

- 70731 ENGEL, R. Bulk handling and spreading of liquid fertilizer. Counc. Fert. Appl. Proc., 41st Annu. Meeting: 19-24. 1965. 57.9 N216
Chiefly application equipment.

- 70732 FELDMANN, F. Liquid mineral fertilization is advancing. (Ge) Landtechnik 21(10):372-374. May 15,1966. 58.8 L235
Equipment.

- 70733 FUTRAL, J. G. Efficiency in fertilizer application. Cotton Trade J. Int. Edition 1966 (automation No.):42-43,56. 72.8 C82141

- 70734 GYONGYOSSY, G. Early planting tasks. (Hu) Kerteszeti Szulesz. 15(7):15. Apr.1966. 80 K474
Mechanical and manual planting of vegetables.

- 70735 HOSMANI, S. A. An adjustable fertilizing device for sowing and fertilizing at a time. Indian Farming 15(5):24-25,30. Aug.1965. 22 In283

- 70736 HUIZING, J. A. Cell measurements in cell wheels of single-seed drills. (Ge) Landtech. Forsch. 16(2):29-33. 1966. 58.8 L2332

- 70737 IRITANI, W. M. Press wheels for Idaho potato planters. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 29,2 p. May 1966. 275.29 Id13Idc
- 70738 KOLESNIKOV, N. Colter for beet drills. (Rus) Tekh. Sel'skom Khoz. 4:71-72. Apr.1966. 58.8 M11
- 70739 MAJKUTH, J. Single seeding of corn. (Hu) Magyar Mezogazdasag 21(17):6-7. Apr.27,1966. 19 M27
Mechanical.
- 70740 MARTIN, G. Centrifugal fertilizer spreaders in oil palm plantations. (Fr) Oleagineux 21 (3):149-151. Mar.1966. 77.8 OL2
- 70741 MATHES, A. The application of granular calcium cyanamide with spinning-disc broadcasters. (Ge) Grundlagen Landtech. 15(1):10. 1965. 58.8 G92
English summary, content page.
- 70742 NELSON, G. S. Aerial application of granular fertilizer and rice and lespedeza seed. Counc. Fert. Appl. Proc., 41st Annu. Meeting:25-42. 1965. 57.9 N216
Distributor types.
- 70743 PALNITKAR, S. K. A new seed-cum-fertilizer device. Indian Farming 15(11):6-7. Feb.1966. 22 In283
Sowing and fertilizing at same time.
- 70744 RAMNEY, C. D., WOOTEN, O. B., and FULGHAM, F. E. Four targets in automated cotton planting. Cotton Trade J. Int. Edition 1966(automation No.):40-41,52,164. 72.8 C8214I
Equipment.
- 70745 RANDELL, H. Planters equipped for liquid fertilizer boost sales. Fert. Solutions 10(3):28-29. May/June 1966. 57.8 So4
- 70746 REINTS, R. E., and YOERGER, R. R. Trajectories of seeds and granular fertilizers. Counc. Fert. Appl. Proc., 41st Annu. Meeting:9-18. 1965. 57.9 N216
- 70747 SCHULZE, K. H. On the power requirement of manure spreaders. (Ge) Grundlagen Landtech. 15(1):22-28. 1965. 58.8 G92
English summary, content page.
- 70748 SOUTHWELL, P. H., and SAMUEL, J. The accuracy of fertilizer metering by full-width machines. Counc. Fert. Appl. Proc., 41st Annu. Meeting:65-78. 1965. 57.9 N216
- 70749 STEWART, I. J. Mechanical aides to planting. Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):117-118. Apr.1, 1966. 65.9 Q3C
- 70750 WAGENINGEN. LANDBOUWTECHNIEK EN RATIONALISATIE. Groepsbeproeving precisie-zaaimachines. Group testing of precision drills. Wageningen. Inst. Landbouwtch. Ration. Publ. 94,40 p. Apr.1966. 58.9 W12
English summary.
Seed drills.
Supplement to Publikatie No. 84, Jan.1965.
- Harvesting Equipment
- 70751 ARAMAKI, T. Studies on the noise of the portable mower and the brush cutter. (Ja) Ehime Univ. Mem. Sect. VI, Agr. 11(1):1-174. Ref. Oct.1965. 107.6 Eh33
English summary.
- 70752 AVILES ALGARRA, J. Organization of the grain season. (Sp) Cult. Mod. 48(10):365-366. Oct.1965. 15 C89
Harvester operation.
- 70753 BRECKA, J., and MARES, M. Determination and evaluation of mechanical injuries to potatoes caused by machines. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(1):27-44. Jan.1966. 58.9 C333
English summary.
Harvesting.
- 70754 BRYSON, C. P., and others. Harvest all you grow—increase profits: check picker performance. Ark. Univ. Ext. Leaflet. 379,4 p. July 1965. 275.29 Ar4Le
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Cotton machine performance.
- 70755 BRYSON, C. P., and others. Harvest all you grow—increase profits: repair, adjust, and operate picker for high efficiency. Ark. Univ. Ext. Leaflet. 380,8 p.-folder. July 1965. 275.29 Ar4Le
D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.
With assistance of National Cotton Council. Cotton harvesting.
- 70756 CATT, C. C. Machinery costs in cropping cereals. I-II. S. Australia J. Agr. 69(8):270-276. Mar.1966. 23 So84
- 70757 CATTABRIGA, D. Necessity for technical development of harvesting and handling forages. (It) Macch. Motori Agr. 23(7):81-87. July 1965. 58.8 M13
- 70758 DODDS, M. E. Grain losses in the field when windrowing and combining wheat. Can. Agr. Eng. 8(1):31-32. Ref. Jan.1966. 58.8 C164
- 70759 FRISBY, J. C. Influence of weather and economics on corn harvesting machinery systems. Diss. Abs. 26(10):5932. Apr.1966. 241.8 M58
- 70760 HALYK, R. M., and BILANSKI, W. K. Effects of machine treatments on the field drying of hay. Can. Agr. Eng. 8(1):28-30. Jan.1966. 58.8 C164
Effectiveness of modern forage harvesting machine treatments.
- 70761 HUNDTOLT, E. B. Extension and research cooperate in evaluating forage harvesting systems. Amer. Soc. Agr. Eng. Pap. 635,27 p. 1965. 290.9 Am32P
New York.
- 70762 JOHANNES, J. Possibilities of using the French beet harvesting procedure "chantier decompose" in German beet culture; a comparison with the bunker head digging process. (Ge) Forsch. Beratung, Reihe B, Wiss. Ber. Landwirt. Fak. Univ. Bonn. 13:3-81. Ref.,p.77-80. 1965. 18 F777
Mechanized.
- 70763 KADAR, L. Not a grain should be lost. (Hu) Mezogazdasagi Tech. 6(5):4-5. 1966. 58.8 M572
Losses in mechanical harvesting.
- 70764 KUHN, G. Drum field chopper with additional threshing devices. (Ge) Arch. Landtech. 5(2):127-181. Ref. 1965. 58.8 Ar22
English summary.
Grain harvesting.
- 70765 LAMMEL, K. Ten tons of tomatoes per hour. (Hu) Mezogazdasagi Tech. 6(2):8-9. 1966. 58.8 M572
Harvesting equipment.
- 70766 LOBOTKA, J. The coefficient of friction of chopped green and withered alfalfa. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(4):189-200. Ref. Apr.1966. 58.9 C333
English summary.
To be taken into account in the design of harvesting and processing equipment.
- 70767 MEKINDA, M. Baling of alfalfa hay at different moisture levels without artificial drying. (Se) Savremena Poljoprivreda 13(6):555-568. Ref. June 1965. 21 P75
English summary.
- 70768 MOLITORISZ, J. Man-positioning machines: a step toward citrus harvest mechanization. Calif. Citrogr. 51(6):220. Apr.1966. 80 C125
- 70769 MPATAGIANNES, K. I. Cotton picking machines. (Gre) Delt. Agrotikes Trapezes 146:20-21. Sept./Oct.1965. 21.7 D38

- 70770 OEHRING, J. Field curing of hay must be done quickly. (Ge) Landmasch.-Markt 45(9):480. Apr.27,1966. 58.8 L239
Includes equipment.
- 70771 PAGLIETTA, R., and EYNARD, I. Mechanical harvesting of hazelnut in the U.S.A. and in Italy. (It) Macch. Motori Agr. 24(4):63-69. Apr.1966. 58.8 M13
- 70773 PERFONT, G. In Indre and Loire six farmers cooperate for the mechanization of forage harvesting. (Fr) Agr. Prat. 130(3):23-24. Mar.1966. 14 J82
- 70772 PASINI, B. Mechanical harvesting of beets. (It) Agr. Ferrarese 69(4):61-83. Apr.30,1965. 16 Ag87
Sugar beets.
- 70774 PODGORICHANI, V. Machinery for tea plantations. 3 p. Transl. 14727
Harvesting and pruning equipment.
Translation from Tekhnika v Sel'skom Khozyaistve 5:74-75. May 1960.
- 70775 SCHNEIDER, W. H. Modern forage harvesting technique. (Ge) Landmasch.-Markt 45(9):476, 478-479. Apr.27,1966. 58.8 L239
- 70776 TOSIC, M. Single-stage harvesting of sugar beets with complex harvesting equipment. (Se) Savremena Poljoprivreda 13(6):569-575. June 1965. 21 P75
- 70777 TUPPER, G. R. Advancing technology will bring improved harvesting machines. Cotton Trade J. Int. Edition 1966(automation No.):48-49. 72.8 C82141
Cotton.

Land Clearing Equipment

- 70778 EL'TSOV, E. Unit for brush clearing on flood plains. (Rus) Tekh. Sel'skom Khoz. 4:28-30. Apr.1966. 58.8 M11
- 70779 FULOP, G. The prerequisite of good mechanical labor is smooth soil surface. (Hu) Magyar Mezogazdasag 21(14):10-11. Apr.6,1966. 19 M27
Land leveling equipment.

Processing Equipment Used on the Farm

- 70780 AGUILAR, C. S., and BOYCE, D. S. Temperature ratios for measuring efficiency and for the control of driers. J. Agr. Eng. Res. 11(1):19-23. Mar.1966. 58.8 J82
- 70781 ANGELESCU, V., and ANGHEL, P. Methods of preparation of coarse feed in state farms of the Ploesti Region. (Rum) Mec. Elec. Agr. 10(4):27-35. Apr.1965. 58.8 M4623
Equipment.
- 70782 BECKHOFF, J. Trocknungsverlauf, Masse- und Nährstoffverluste bei verschiedenen Heuwerbeverfahren [Course of drying, mass, and nutrient loss with various haymaking procedures]. Forsch. Beratung, Reihe C, Wiss. Ber. Diskussionsbeitr. 10,46 p. Ref. 1965. 18 F778
- 70783 BERGE, O. I. Keep your forage blower working. Hoard's Dairyman 111(10):644. May 25, 1966. 44.8 H65
- 70784 CHLUPATY, R. Results of tests of agricultural driers. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(1):1-16. Jan.1966. 58.9 C333
English summary.
Chiefly for forage plants.
- 70785 CLARK, R. G. An installation for crop drying research. J. Agr. Eng. Res. 11(1):58-61. Mar. 1966. 58.8 J82
- 70786 FALKINGHAM, R. V. In and out of the on-floor store with minimum effort. Power Farming 36(5):46-47. May 1966. 58.8 P872
Grain drying and handling equipment.

- 70787 FIALA, J. Separation of grains from the chopped cereals on an oscillating screen. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(4):201-212. Apr.1966. 58.9 C333
English summary.
- 70788 GRIMM, W. Quality improvement of farm produced winter feed by proper drying. (Ge) Landmasch.-Markt 45(9):472-474. Apr.27, 1966. 58.8 L239
- 70789 HADDOCK, A. High-quality hay from tunnel dryer. Farm Mech. 18(201):51. May 1966. 58.8 B772
- 70790 HALLEN, L. Drying of grain. (Sw) Hallands Lans Hushallningssallsk. Tidskr. 9(1):21-23. Jan.1966. 11 H152
Equipment.
- 70791 KASHAYAP, M. M., and PANDYA, A. C. Air velocity requirement for winnowing operations. J. Agr. Eng. Res. 11(1):24-32. Mar.1966. 58.8 J82
- 70792 MASKOVA, H., and HAVELIK, J. The process of preservation of withered forage plants for ensilage in tested types of tower silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):467-492. Aug./Sept.1965. 58.9 C333
- 70793 MEL'NIKOV, S. V., and FARLMAN, G. YA. Examination of the process of pressing of the forage mixtures. 11 p. Transl. 15760
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:36-38. 1964.
- 70794 MIKULIK, J., and CECHE, J. Requirements of the preparation and handling of forage plants for ensilage. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):441-453. Aug./Sept. 1965. 58.9 C333
Equipment.
- 70795 MULLER, M. Studies on some operational processes in silage preparation and feeding with flat containers. (Ge) Arch. Landtech. 5(2):95-126. 1965. 58.8 Ar22
English summary.
- 70796 PETERSEN, R. Novelties on hay briquetting. (Ge) Tech. Landwirt. 18(4):98-100. Apr.15, 1966. 58.8 T223
Equipment.
- 70797 PREININGER, M. The present state of big scale technology for the preservation of forage plants by their ensilage in tower silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):435-440. Ref. Aug./Sept.1965. 58.9 C333
- 70798 PUACA, V., and VAJAGIC, S. Uniformity and fineness of particles in feed mixtures processed with the planetary mixer. (Se) Savremena Poljoprivreda 13(5):475-485. May 1965. 21 P75
English summary.
- 70799 PURT, G. Drying of corn. (Hu) Mezogazdasagi Tech. 5(11):6-7. 1965. 58.8 M572
- 70800 ROSSING, W. Technical data of ventilation fans for the drying and ventilating of hay. (Du) Landbouwmecanisatie 17(5):504-508. May 1966. 58.8 L2352
English summary.
- 70801 RUHMANN, H. The proper milk cooling on the farm. (Ge) Tech. Landwirt. 18(5):161-165. May 5,1966. 58.8 T223
Includes equipment.
- 70802 SANDERSON, P. R. Grain chilling installations surveyed. Farmbuildings 11:29-31,33. May/June 1966. 296.8 F224
- 70803 SARKOZI, P. Technical solutions and discussions on hay wafering. (Hu) Mezogazdasagi Tech. 6(3):8-9. 1966. 58.8 M572
- 70804 SAUE, O. Artificial drying of grass in Denmark. (No) Norsk Landbruk 24:14-15,18. Dec.3,1965. 11 N8122
Equipment.

- 70805 WESTERBLAD, B. Grinder and feed blender for home use. (Sw) Var Naring 42(4):104-105. 1965. 44.8 M692
- 70806 WIENEKE, F., and CLAUS, H. G. Development study on the milling and dosing of stalk piles. (Ge) Landtech. Forsch. 16(2):41-47. 1966. 58.8 L2332
English summary.
Forage.
- 70807 WIENEKE, F., and DERNEDDE, W. Development and research on the crushing and crimping of hay. (Ge) Grundlagen Landtech. 15(3): 65-70. Ref. 1965. 58.8 G92
English summary, content page.

Repair, Maintenance, and Construction Equipment

- 70808 BLANKEN, G. Once again "heating manure experiments are coming". (Ge) Tech. Landwirt. 18(4):90. Apr.15,1966. 58.8 T223
Handling equipment, chiefly.
- 70809 FELLER, H. Farm mechanics in cross section. (Ge) Landmasch.-Markt 45(9):488. Apr.27,1966. 58.8 L239
- 70810 HANSEN, H. Liquid manure. (Da) Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarskr. 1965:31-37. 275.9 L97
Manure removal equipment.
- 70811 HEDREN, A. Handling of liquid manure; determination of volume of manure tank. (Sw) Var Naring 42(8):211,213. 1965. 44.8 M692
- 70812 HEDREN, A. Placement and shape of manure tanks. (Sw) Var Naring 42(10):285. 1965. 44.8 M692
- 70813 HORVATH, L. Repair of equipment parts with hard welding. (Hu) Mezogazdasagi Tech. 5 (10):6-7. 1965. 58.8 M572
- 70814 JAKAB, Z. Careful storage means extended operational safety. (Hu) Mezogazdasagi Tech. 6(2):10-12. 1966. 58.8 M572
- 70815 JEBAUTZKE, W. Manure removal from loafing areas in cattle stalls. (Ge) Tierzuchter 18(7):213-214. Apr.5,1966. 49 T445
Equipment.
- 70816 JEFFERY, E. A., BLACKMAN, W. C., and RICKETTS, R. Treatment of livestock waste—a laboratory study. Amer. Soc. Agr. Eng. Trans. ASAE 8(1):113-117,126. Ref. 1965.
Sewage lagooning.
- 70817 LARSSON, R. Handling of liquid manure—does it pay? (Sw) Var Naring 42(6/7):166-167. 1965. 44.8 M692
Chiefly cost of equipment.
- 70818 LARSSON, R. Planning for liquid manure. (Sw) Var Naring 42(10):272-273. 1965. 44.8 M692
Equipment for the removal of manure.
- 70819 MELYKUTI, CS. Millions are at stake. (Hu) Mezogazdasagi Tech. 6(1):1-3. 1966. 58.8 M572
Proper storage of equipment to prevent deterioration.
- 70820 MELYKUTI, CS. They deserve the rest. (Hu) Mezogazdasagi Tech. 6(3):12-13. 1966. 58.8 M572
Equipment storage.
- 70821 RILEY, C. T. Poultry manure disposal—is there a problem? Great Brit. Min. Agr. Fish. Food. Agr. 73(3):110-112. Mar.1966. 10 G79J

Spraying and Dusting Equipment

- 70822 HEDDEN, O. K., WILSON, J. D., and SLEESMAN, J. P. Equipment for applying soil pesticides. U. S. D. A. Agr. Handbook 297,37 p. Ref. Jan.1966. 1 Ag84Ah
Ohio Agricultural Research and Development Center, cooperating.
- 70823 KARLE, H. What pump for plant protection? (Ge) Chem. Tech. Landwirt. 17(3):77-79. Mar. 1966. 384 C4292
- 70824 KIRSA, V., POTAPENKO, and KOLESNIK, V. Quality control of spray nozzles. (Rus) Tekh. Sel'skom Khoz. 3:70-72. Mar.1966. 58.8 M11

- 70825 MARTELLI, L. Criterion of selection and use of airplanes in antiparasitic control. (It) Macch. Motori Agr. 23(7):55-68. Ref. July 1965. 58.8 M13
Plant disease, weeds and insect pest control.
- 70826 PETROUTSOS, N. D. Contribution to the study of portable mist sprayers and their proper technical use. (Gre) Georgikon Delt. (ser.3) 18:83-128. 1965. 21 G29
French summary.
- 70827 ROTH, L. O., and PORTERFIELD, J. G. Jet stream atomization. Weeds 13(4):326-328. Oct.1965. 79.8 W41
Spraying equipment for agricultural chemicals.
- 70828 SINES, B. Measurement of air output of low volume sprayers; methods established by the Institute of Agricultural Engineering [Instituton Georgikes Mehanologias]. (Gre) Georgikon Delt. (ser.3)18:66-82. 1965. 21 G29
English summary.
- 70829 THOMPSON, J. L. Note on a truck-mounted plot sprayer. Can. Agr. Eng. 8(1):11. Jan. 1966. 58.8 C164
- 70830 WAGNER, F. Spraying device for small areas. (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):546,548. Mar.31,1966. 18 N39
Weed control.
- 70831 ZAGORSKII, I. M. Pulse generator and its application for control of forest pests and diseases. (Rus) Leningr. Nauch.-Issled. Inst. Lesnogo Khoz. Sb. Rabot. Lesnomu Khoz. 8: 340-353. 1964. 99.9 L545

Vehicles

- 70832 AVILES ALGARRA, J. Tractors and implements: their hourly cost. (Sp) Cult. Mod. 48 (11):408-409. Nov.1965. 15 C89
- 70833 BACIU, E. Economic analysis of the utilization of tractors and equipment in agriculture. (Rum) Mec. Elec. Agr. 11(2):3-11. Feb.1966. 58.8 M4623
- 70834 BAHASOEAN, A. A. A portable power take-off dynamometer and its application. (Ge) Grundlagen Landtech. 15(2):54-57. 1965. 58.8 G92
English summary, content page.
For tractors and vehicles.
- 70835 BALDAZZI, D. A universal oil for tractors. (It) Macch. Motori Agr. 23(7):93-96. July 1965. 58.8 M13
- 70836 BARANYI, L. Why do caterpillars deteriorate? (Hu) Mezogazdasagi Tech. 6(5):18-19. 1966. 58.8 M572
- 70837 BEL'SKIKH, V. Servicing tractor fuel system. (Rus) Tekh. Sel'skom Khoz. 4:44-49. Apr. 1966. 58.8 M11
- 70838 BIANU, I., and MARGHIDAN, N. Transport modernization on cooperative farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:75-79. Apr.27, 1966. (JPRS 35,209; TT 66-31646)
173 J663Ste
In Rumania.
Translation from Viata Economica 12:6. Mar.1966.
Issued by CFSTI.
- 70839 CALDERINI, G. Storing of fuels on the farm. (It) Macch. Motori Agr. 23(7):75-79. July 1965. 58.8 M13
- 70840 CATTABRIGA, D. Hydrostatic transmission. (It) Macch. Motori Agr. 24(4):115-117. Apr. 1966. 58.8 M13
On tractors.
- 70841 DEMETRESCU, I. Considerations on the skidding of tractors. (Rum) Mec. Elec. Agr. 11 (2):18-24. Feb.1966. 58.8 M4623
- 70842 DOKUCHAEV, A. Specialized repair of tractors. (Rus) Tekh. Sel'skom Khoz. 4:58-59. Apr.1966. 58.8 M11
- 70843 EMERY, R. L. On or off the road versatile vehicles. Power Farming 36(5):6-7. May 1966. 58.8 P872

- 70844 FISCHER, K. Tractor driving with judgment. (Ge) Chem. Tech. Landwirt. 17(1):6,8. (Cont.) Jan.1966. 384 C4292
Safeguards.
- 70845 GOERING, C. E. The mechanics of unsprung wheel tractors. Diss. Abs. 26(10):5932. Apr. 1966. 241.8 M58
- 70846 GREČENKO, A. Efficient loading of a wheeled tractor hitched with different ploughs. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38 (10):559-584. Ref. Oct.1965. 58.9 C333
English summary.
- 70847 GRUZIN, V. Medical observation of tractor operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:35-37. Apr.20,1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Includes vibration and hazards.
Translation from Bakinskii Rabochii Dec.21, 1965:2.
Issued by CFSTI.
- 70848 HAIN, K. Survey of all rotational and pivoting motions in four-bar linkages. (Ge) Grundlagen Landtech. 15(4):97-106. Ref. 1965. 58.8 G92
English summary, content page.
- 70849 HASSELGRUBER, H. Measures to reduce running noise in internal combustion engines, particularly in tractor engines. (Ge) Grundlagen Landtech. 15(1):2-10. 1965. 58.8 G92
English summary, content page.
- 70850 JERRY, R. What do you know about alternatives? Can. Farm Equip. Dealer 62(5):41,43. May 1966. 58.8 C163
Application on tractors.
- 70851 KAIPOV, A. N. The problem of finding the main parameters of future row-crop tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 264: 9-15. Mar.23,1966. (JPRS 34,686; TT 66-31125) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 1:17-18. Jan.1966.
Issued by CFSTI.
- 70852 KALININ, YU. The life of a tractor and its depreciation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:23-25. Apr.20,1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Rossiya Jan.26, 1966:2.
Issued by CFSTI.
- 70853 KARMANKSOV, B. Washing tractor fuel tank. (Rus) Tekh. Sel'skom Khoz. 4:52-53. Apr. 1966. 58.8 M11
- 70854 KLIMOV, V. Testing unit to check truck and tractor electric equipment. (Rus) Tekh. Sel'skom Khoz. 4:59-62. Apr.1966. 58.8 M11
- 70855 KOC SIS, S. Diesel-electric tractor. (Hu) Me-zogazdasagi Tech. 6(5):8-9. 1966. 58.8 M572
Made in the USSR.
- 70856 KOROTONOSHKO, N. Increased production of new vehicles. U. S. Joint Publ. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:3. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Used in agriculture.
Translation from Moskovskaya Pravda, Mar.23,1966:2.
Issued by CFSTI.
- 70857 KRASENKO, T. Tractor overhaul in Kirgiziya. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:20-22. Apr.20,1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Kirgiziya Dec.16,1965:1.
Issued by CFSTI.
- 70858 LAKODEI, F. Unified repair of tractors. (Rus) Tekh. Sel'skom Khoz. 4:57-58. Apr.1966. 58.8 M11
- 70859 MARINESCU, G., ALEXANDRESCU, I., and NICOLAESCU, I. Types of tractors and agricultural machines and serviceableness of tractors. (Rum) Rev. Statist. 15(2):25-31. Feb.1966. 267.8 St22
- 70860 MARTYNOVA, M. A. New standards for tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 233:11-12. Oct.21,1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi
Translation from Standardizatsiya 7:40-41. July 1965.
- 70861 MATTHEWS, J. Ride comfort for tractor operators. IV. Assessment of the ride quality of seats. J. Agr. Eng. Res. 11(1):44-57. Ref. Mar.1966. 58.8 J82
- 70862 MEINCKE, K. Possibilities of reducing stresses on tractors when using a front loader. (Ge) Grundlagen Landtech. 15(3):71-80. 1965. 58.8 G92
English summary, content page.
- 70863 MOLLY, H. Infinitely variable hydrostatic transmission with power division. (Ge) Grundlagen Landtech. 15(2):47-54. 1965. 58.8 G92
English summary, content page.
Tractors.
- 70864 MOTTES, R. Safety of farm tractors. (It) Macch. Motori Agr. 24(4):119,122. Apr.1966. 58.8 M13
- 70865 MUNCKE, L., and SCHERER, L. Rapid coupling standards. (Ge) Landtechnik 21(9):304-306. May 1966. 58.8 L235
- 70866 PELLIZZI, G. Agricultural transportation on the Lombardy farm. (It) Bull. Agr. [Milano] 99(15):1-3. Ref. July 23, 1965. 16 B87
- 70867 PRACHAR, J. The optimum working speed of an agricultural aircraft. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(4):213-230. Apr.1966. 58.9 C333
English summary.
- 70868 PRIKHOD'KO, A. Improvement in quality of tractor engine starters. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:18-19. Aug.25,1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 28:40-41. July 14,1965.
Issued by CFSTI.
- 70869 REMSEI, N. Radiators shouldn't be neglected. (Hu) Me-zogazdasagi Tech. 5(12):6-7. 1965. 58.8 M572
On tractors.
- 70870 RUDENKO, P. Increased use of tandem trailer trucks. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:4-5. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Used in agriculture.
Translation from Sovetskaya Moldaviya, Mar.19,1966:2.
Issued by CFSTI.
- 70871 SANDRU, A., POPESCU, M., and SCALETCHI, L. A contribution to the study of the efficiency of tractors on pneumatic tires. (Rum) Mec. Elec. Agr. 11(1):14-27. Jan.1966. 58.8 M4623
- 70872 SCHIFFER, W. Faster equipment coupling in one-man work. (Ge) Landmasch.-Markt 45 (10):593-594. May 8,1966. 58.8 L239
- 70873 SCHILLING, E. The effect of some design data on the acceleration of the superstructure of agricultural vehicles and the optimum position of the driver's seat deduced from this. (Ge) Grundlagen Landtech. 15(3):81-86. 1965. 58.8 G92
English summary, content page.
- 70874 SCHOLTZ, D. C. A three-point linkage dynamometer for restrained linkages. J. Agr. Eng. Res. 11(1):33-37. Mar.1966. 58.8 J82

- 70875 SERVICE D'ETUDES DES COOPERATIVES. LA FAYETTE. Transportation of grain in bulk during harvesting. (Fr) Econ. Agr. 1:52-57. Jan.1966. HD1945.A1E2
By truck.
- 70876 SHNEYSER, B. YA, LYUBCHEVSKII, P. YA., and KOVALEVSKII, B. F. New tractor testing procedure. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:19-22. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Promyshlennost' Belorussii 1:29-31. 1966.
Issued by CFSTI.
- 70877 SINITSYN, I. F. The most important tasks for tractor and agricultural machine building in 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 264:1-8. Mar.23,1966. (JPRS 34,686; TT 66-31125) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 1:1-3. Jan.1966.
Issued by CFSTI.
- 70878 SLADKY, V. Problems of modernizing agricultural transportation in Czechoslovakia. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(2):97-115. Feb.1966. 58.9 C333
English summary.
Equipment and labor.
- 70879 SOHNE, W. Present state of knowledge on vehicle vibrations with special reference to agricultural vehicles. (Ge) Grundlagen Landtech. 15(1):11-22. Ref. 1965. 58.8 G92
English summary, content page.
- 70880 SOKOLOV, YU., and KHORIN, A. Vehicles for special purpose. (Rus) Tekh. Sel'skom Khoz. 4:36-40. Apr.1966. 58.8 M11
Tractors.
- 70881 SZALAY, E. If it is possible do it with machine not by hand. (Hu) Mezogazdasagi Tech. 5(10): 1-3. 1965. 58.8 M572
Chiefly on the multiple use of tractor trailers.
- 70882 TIMOSHENKO, YA, A., and TAMARKIN, YA. L. A complex automatic system of plant control and its economic effectiveness. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:9-14. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Tractor production.
Translation from Promyshlennost' Belorussii, Jan.1966:6-8.
Issued by CFSTI.
- 70883 TOMULET, V. Inspection of repaired tractors and equipment. (Rum) Mec. Elec. Agr. 11 (2):25-29. Feb.1966. 58.8 M4623
- 70884 VOGEL, S. L. Tractor costs? Make an educated guess! Farm Technol. 22(5):18. May 1966. 275.28 N213
- 70885 WENDEBORN, J. O. The irregularities of farm tracks as sources of vibration of agricultural vehicles. (Ge) Grundlagen Landtech. 15(2):33-46. Ref. 1965. 58.8 G92
English summary, content page.
- 70886 WETTER-BLAD, B. On trucks and transportation by trucks. (Sw) Var Naring 42(8):200-201. 1965. 44.8 M692
- 70887 ZAKHAROV, A. F. The department of technical information at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:15-18. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Promyshlennost' Belorussii 1:21-22. 1966.
Issued by CFSTI.
- 70888 ZALEVSKII, A. How to determine requirements for tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:42-52. May 23,1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khoz-yaistva 2:47-54. 1966.
Issued by CFSTI.
- 70889 ZHAMOYDO, G. New developments in tractor starting motors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 233:5-6. Oct.21,1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi
Translation from Pravda Ukrainy, Aug.4, 1965:3.
Issued by CFSTI.

FARM STRUCTURES AND RURAL HOUSING

- 70890 BIENIAS, T. Factors hampering rural construction. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437: 116-121. May 5,1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Buildings in Poland.
Translation from Zycie Gospodarcze 13:5. Mar.1966.
Issued by CFSTI.
- 70891 CLAYTON, J. T. The growing paradox in ag buildings. Farm Power Equip. 40(5):46-48. Nov.1965. 58.8 F2292
- 70892 FURRY, R. B., and HAZEN, T. E. Methodology for investigation of the ventilation-dilution phenomenon. Amer. Soc. Agr. Eng. Pap. 941,30 p. 1965. 290.9 Am32P
Agricultural buildings.
- 70893 LINCOLN COLLEGE, AGRICULTURAL ECONOMICS RESEARCH UNIT. Indexes of the costs of investment goods for 1949-50 to 1963-64. Lincoln Coll. Agr. Econ. Res. Unit. Publ. 26,21 p. 1966. 281.9 L632
Plant and equipment.
- 70894 MUELLER, O. Construction equipment in agriculture. (Hu) Mezogazdasagi Tech. 5(11): 12-13. 1965. 58.8 M572
- 70895 U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Condensation in farm buildings. U. S. Forest Serv. Res. Note FPL-0114, 9 p. Jan.1966. A99.9 F7634Un

Animal Shelters and Animal Service Buildings

- 70896 ANEMA, P. Dairy loafing stall and group stall. (Du) CMC (Coop. Melkcent.) 21(7):123. July 3,1965. 44.8 C11
- 70897 ARIAS MARTINEZ, P., and others. Housing and management in poultry raising. (Sp) Tierra [Mexico] 21(2):115,128. (Cont.) Feb.1966. 8 T445
Mexico.
- 70898 BENÖY, W. G. Building with a purpose. 9. The Power Farming farrowing house for 70 sows. Power Farming 36(5):37-42. May 1966. 58.8 P872
- 70899 CERMAK, J., and others. Vystavba a mechanizace zemedelskych velkovyrobnych objektu v zahranici [Construction and mechanization of agricultural buildings abroad]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 283 p. S675.C4
F. Hovorka, V. Karasek, and K. Kudlicka, joint authors.
Chiefly livestock housing.
- 70900 DAMGAARD, J. P. Views on ventilation. (Da) Danske Dyrlaegefor. Medlemsbl. 49(10):443-444. May 15,1966. 41.9 D23
Barns.
- 70901 DRIGGERS, L. B. Performance of ventilation systems in similar modified environmental controlled poultry houses. Amer. Soc. Agr. Eng. Pap. 942,32 p. Ref. 1965. 290.9 Am32P
- 70902 ESMAY, M. L., SHEPPARD, C. C., and ZINDEL, H. C. Poultry housing for layers. Mich. State Univ. Ext. Ext. Bull. 524,16 p. Apr.1966. 275.29 M58B
- 70903 FEHER, K. Planning and construction of housing. (Hu) Mezogazdasagi Tech. 6(1):28-29. 1966. 58.8 M572
For cattle.
- 70904 GONZALEZ P., S. The Argentine diagonal barn. (Sp) Tierra [Mexico] 21(3):192,227. Mar.1966. 8 T445

- 70905 GRATZ, W. Remodeling and enlargement of stalls for market baby pigs, porkers, young sows, pregnant sows, and boars. I. (Ge) Landliche Bauberatung 6,4 p. In Deut. Landwirt. 17 (3), Mar.1966. 18 D4822
- 70906 HUGH, W. I., and GITLIN, H. M. Slotted floors for swine. Hawaii. Univ. Ext. Circ. 413,20 p. Apr.1966. 275.29 H312Ac
- 70907 IRISH, W. W. Environmental control for dairy housing. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:27-30. 1965. 44.9 N4833
- 70908 JUNGHE, H. R. Requirements for modern barns. (Da) Tidsskr. Landokon. 4:187-200. Apr.1966. 11 T43
Construction and costs.
- 70909 KLEIN-HESSLING, P. Animal sparing technique and care in lattice-grate stall. III. (Ge) Tierzuchter 18(7):215-218. Apr.5,1966. 49 T445
Housing sanitation, chiefly.
- 70910 KNOOP, J. G. Cold-spot shade. Farm Quart. 21(3):117,140-142. Summer 1966. 6 F22995
Building of shelters for livestock protection against solar radiation.
- 70911 KNUDSEN, M. Barn ventilation and barn climate. (Da) Danske Dyrlegefor. Medlemsbl. 49(10):439-443. May 15,1966. 41.9 D23
- 70912 LADUE, E. L. Free-stall-barn, herringbone-parlor, high-silage-feeding dairy chore systems: buildings and arrangements. Cornell Univ. Coll. Agr. Dep. Agr. Econ. A. E. Res. 190,22 p. Jan.1966. 281.9 C81A
Includes costs.
- 70913 MANUELLI, R. Housing and care of poultry. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:22-23. Apr.1965. 9 Id3
- 70914 NIKOLIC, M., and others. Study of the effect of different housing conditions upon growth, digestion and carcass quality of fattening swine. (Se) Veterinaria [Sarajevo] 14(2):145-157. Ref. 1965. 41.8 V6494
I. Puhac, M. Pavlovic, A. Sreckovic, and N. Hrgovic, joint authors.
English summary.
- 70915 PERRY, G. C. Hawley experimental dairy research barn. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:31-33. 1965. 44.9 N4833
Design.
- 70916 PISA, V., and CERMAK, J. Cattle sheds with slatted floors, and no litter in Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 39(1):45-56. Jan.1966. 58.9 C333
English summary.
- 70917 RIJKENBARG, G. J. H., and JONG, A. P. S. DE. The housing of fattening pigs. (Du) Landbouwmecanicasie 17(5):539-545. May 1966. 58.8 L2352
English summary.
- 70918 RODGER-BROWN, J. Turkey housing. Farm-buildings 11:25-27. May/June 1965. 296.8 F224
Designs.
- 70919 RUSU, S. Ventilation system used in poultry houses for commercial raising of poultry. (Rum) Mec. Elec. Agr. 10(4):14-26. Apr.1965. 58.8 M4623
- 70920 SECK. Problems of environment condition in the poultry stall. (Ge) Tierzuchter 18(8):244-245. Apr.20,1966. 49 T445
Includes systems.
- 70921 SLADOVNIK, K. Technology of the housing of cattle without litter on farms abroad and in Czechoslovak SSR. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(10):623-633. Ref. Oct.1965. 58.9 C333
Chiefly slatted flooring.
- 70922 SMITH, M. R. Ventilating characteristics of slotted inlets for livestock buildings. Diss. Abs. 26(10):5933. Apr.1966. 241.8 M58
- 70923 SODERKVIST, A. Dairy barn cleaning. (Sw) Var Naring 42(4):94. 1965. 44.8 M692

- 70924 TANDON, H. P. A cosy house for your hens! Intensive Agr. 2(11):27-28. Jan.1965. 22 In8 India.
- 70925 TURNER, C. N. Ventilation of dairy barns. Cornell Univ. Ext. Cornell Ext. Bull. 1159,15 p. Apr.1966. 275.29 N48E
- 70926 VADASZ, L. Increasing the rentability of stall systems. (Hu) Debreceni. Agrartud. Foisk. Tud. Ulesszakanak. Eloadasai 1964:245-257. 105.9 D354
German summary.

Farmhouses and Farmsteads

- 70927 ALMEIDA, C. S. M. DE. Contribution to the study of the conditions of thermal comfort in a rural zone of Alto Alentejo. (Por) Agros [Lisboa] 47(5):403-431, map. Ref. Sept./Oct. 1964. 15.5 Ag82
Temperature in farmhouses.
- 70928 BECKERICH, A. Housing facilities for salaried farmers. (Fr) Agr. Prat. 129(8):23-27. Aug./Sept.1965. 14 J82
Legislation.
- 70929 BROINOWSKI, M. Warm house—a winter's delight. S. Australia J. Agr. 69(8):300-304. Mar. 1966. 23 So84
- 70930 NELSON, L. A new home for Christmas, called for an intensive educational program for 32 Minnesota Indian families to help them learn to care for and adapt to their new environment. Ext. Serv. Rev. 37(4):4-5. Apr.1966. 1 Ex892Ex
Extension programs.
- 70931 TEW, C. Equipment and housing. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:60-61. 275.29 ALiSu
Extension programs.

Greenhouses and Plant Service Buildings

- 70932 MANESCU, B. Considerations on temperature of hotbeds with industrial heating system. (Rum) Gradina, Via Livada 14(2):23-30. Feb. 1965. 80 G75
- 70933 SEIDEL, E., and ERLECKE, K. H. Investigations of the distribution of light under light bulbs (HQL 250). 11 p. Transl. 14580
In greenhouses.
Translation from Archiv fur Gartenbau 11(6): 423-432. 1963.
- 70934 STRIJBOSCH, T., and BOL, L. The regulation of heating and ventilation in tomato glass-houses. (Du) Neth. Dir. Tuinbouw. Mededel. 28(10):517-521. Oct.1965. 86 N384
English summary, p.533.

Materials and Methods

- 70935 GELA, G. Farm buildings from prefabricated reinforced concrete elements. (Hu) Magyar Mezogazdasag 21(19):12-13. May 11,1966. 19 M27
- 70936 STUDENTSOV, P. N., and KARMAZIN, N. A. Asbestos—concrete panel for slatted floor. (Rus) Zhivotnovodstvo 4:93-94. Apr.1966. 49 Z6

Storage Structures

- 70937 CAIN, D. A cool system for drying grain. Doane's Agr. Rep. 29(14):14. May 8,1966. 281.8 D652
Storage structure.
- 70938 FUCHS, P. Are metal silos frost-free? (Ge) Tech. Landwirt. 18(4):96. Apr.15,1966. 58.8 T223
- 70939 KONEKE, R. How should one paint clamp silos? (Ge) Mitt. Deut. Landwirt.-Ges. 81(16): 681-682. Apr.21,1966. 18 N39

- 70940 KVETON, J. Pressure and temperature in silos. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech. 38(8/9):519-526. Aug./Sept.1965. 58.9 C333
- 70941 NYSTROM, H. Efficient farm storage house for seed potatoes. (Sw) Joel 4:7-10. 1965. 335.8 J59
- 70942 PORRITT, S. W. Some engineering and operational aspects of controlled atmosphere storage. Can. Agr. Eng. 8(1):19-21,39. Jan.1966. 58.8 C164
- 70943 PRADHAN, S., MOOKHERJEE, P. B., and SHARMA, G. C. Pusa bin for grain storage. Indian Farming 15(1):14-16. Apr.1965. 22 In283
- 70944 ROEBUCK, J. W. Aeration protects farm-stored grain. Power Farming Australia New Zeal. Better Farming Dig. 75(4):4-6. Apr.1966. 58.8 P87
- 70945 SEN, S., and CHAUDHURI, A. P. Simple bin to store berseem seeds. Indian Farming 15(10):29. Jan.1966. 22 In283

Walls and Fences

- 70946 PETTIS, A. M. Electric fences in Florida. Fla. Univ. Ext. Circ. 295,6 p.-folder. Mar. 1966. 275.29 F66C
- 70947 WAGENBACH, H. Reflections on grazing. (Ge) Tech. Landwirt. 18(4):92-95. Apr.15, 1966. 58.8 T223
Installation and care of fences and management of pasture.

FARM UTILITIES

Electricity and Electrification

- 70948 AMATO, R. Out of the dark ages; rural electric cooperatives in the U.S.A. Rev. Int. Coop. 59(2):91-97. Mar.1966. 280.28 In8B
- 70949 BRANIGAN, H. Area coverage the hard way. Rural Elec. 24(9):39,74. June 1966. 335.8 N21
Electrification of Minnesota.
- 70950 ELLIS, C. T. A giant step. New York, Random House, 1966. 267 p. HD9688.U52E4
REA and the National Rural Electric Cooperative Association.
- 70951 JORDAN, K. A., and WISER, E. H. Mapping relay control circuits. Amer. Soc. Agr. Eng. Pap. 598,30 p. 1965. 290.9 Am32P
- 70952 KOTAS, D., and SAVENKO, I. Experience of CEMA countries in construction of rural electric lines. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 196:12-20. Dec.8, 1964. (JPRS 27,731) 173 J663Tree
Translation from Revista Internacionala Pentru Agricultura. 4:9-13. July/Aug.1964.
Issued by CFSTI.
- 70953 NGUYEN DUY TU. Electricity in the service of agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:1-11. Mar.2, 1965. (JPRS 28,960) 173 J663Trn
Translation from Nghien Cuu Kinh Te 24:3-7. Dec.1964.
Issued by CFSTI.
- 70954 POTAMKIN, L. FPC rules that rural electric cooperatives are entitled to own rate classification. Rural Elec. 24(9):60. June 1966. 335.8 N21
- 70955 RODGERS, T. V. Plymouth Rock to Gurnet Point: three centuries of darkness. Rural Elec. 24(9):38,74. June 1966. 335.8 N21
Electrification costs.
- 70956 SMIRENSKII, M. New tariff for electric power. (Rus) Tekh. Sel'skom Khoz. 4:31-32. Apr. 1966. 58.8 M11

Heating, Lighting, and Radiation

- 70957 AMBARTSUMYAN, V., and TESNOVETS, L. Automated electrode water heating equipment. (Rus) Tekh. Sel'skom Khoz. 4:34-35. Apr.1966. 58.8 M11

- 70958 COX, W. T. Light condition your home. Auburn Univ. Ext. Circ. PH-1,8 p. Mar.1965. 275.29 AL14Ci
Electric lighting.
- 70959 KAMNEV, V. V. Use of solar energy in agriculture. 4 p. (OTS 63-11055) Transl. 14327
Chiefly water heaters.
Translation from Sel'skoe Khozyaistvo Povolzh'ya 2:91-93. Feb.1960.
CFSTI: \$0.50.

Power Plants, Motors and Engines on the Farm

- 70960 EREMENKO, B., and VAKHTEL', V. Adjustment of valve clearance. (Rus) Tekh. Sel'skom Khoz. 4:49-50. Apr.1966. 58.8 M11
On engines.
- 70961 KHODYAEV, I. Checking valve timing. (Rus) Tekh. Sel'skom Khoz. 4:51-52. Apr.1966. 58.8 M11
On engines.
- 70962 PEROLD, R. P. Water as power source. Farming S. Afr. 41(12):33,35. Mar.1966. 24 So842
On the farm.
- 70963 PHALEN, J. Colorado River project pioneers area planning. Rural Elec. 24(9):32-33. June 1966. 335.8 N21
For hydroelectric power and recreation for rural areas.
- 70964 REMISHEVSKII, A. Motor type relay to protect electric engine against phase failure. (Rus) Tekh. Sel'skom Khoz. 4:32-34. Apr.1966. 58.8 M11
- 70965 TARASOV, L. Mobile power unit. (Rus) Tekh. Sel'skom Khoz. 4:40-42. Apr.1966. 58.8 M11
Electric on trucks.
- 70966 TAYLOR, R. Engine care; oil troubles. Power Farming 36(5):59. May 1966. 58.8 P872

Sewage and Waste Disposal

- 70967 GALINDO, A. Destruction of animal cadavers in the country. (Sp) Cult. Mod. 49(1):21. Jan. 1966. 15 C89
- 70968 GALINDO, A. What do we do with animal cadavers in the country? (Sp) Cult. Mod. 48(10):374-375. Oct.1965. 15 C89
- 70969 IRGENS, R. L., and DAY, D. L. Laboratory studies of aerobic stabilization of swine waste. J. Agr. Eng. Res. 11(1):1-10. Ref. Mar.1966. 58.8 J82
- 70970 MARKS, J. An easy-to-clean septic tank drainage system. Hoard's Dairyman 111(10):647. May 25,1966. 44.8 H65

Water Supply

- 70971 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. AGRICULTURAL ENGINEERING DIV. Algae control with copper sulphate. Victoria, 1964. 8 p. 290.9 B772
In water supplies.
- 70972 HORN, R. C. A water system for your community; some ideas for interested community leaders. Auburn Univ. Ext. Circ. M-15,6 p.-folder. Mar.1965. 275.29 AL14Cm
- 70973 KAFOUSSIAS, G. Untersuchungen zur Konservierung bakteriell verunreinigten Wassers [Investigations on the purification of bacterially polluted water]. Giessen. Justus-Liebig-Univ. Veterinarmed. Fak. [Inaug.-Diss.] 8,60 p. Ref., p.56-60. 1965. 41.2 G3242
Includes farm water supply.
- 70974 JONES, E. E. Intermediate storage for farmstead water systems. Amer. Soc. Agr. Eng. Pap. 219,26 p. 1965. 290.9 Am32P
- 70975 MARSILE, A. Eau potable et nuisances rurales [Drinking water and rural nuisances]. Lyon. Ecole Nat. Vet. These 26,74 p. Ref. 1965. 41.2 L99
- 70976 PETER, E. C., and PAUL, C. V. A bullock-driven water-lift for deep wells. Indian Farming 15(2):11-12. May 1965. 22 In283

70977

RUSSELMANN, H. B. Location and construction of farm water supplies. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:192-196. 1965. 44.9 N4833

70978

WINKELBLECH, C. Emergency and supplemental water supplies. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:187-191. 1965. 44.9 N4833
On New York farms.

**AGRICULTURAL PRODUCTS: PROCESSING,
DISTRIBUTION, AND STATISTICS**

GENERAL

- 70979 BALIK, J., and others. Nova zakonna uprava v rastlinne vyrobe [New legislation of plant production]. Praha, Statni Zemedelske Nakladatelstvi, 1965. 295 p. HD639.C95B3
D. Bina, A. Hampl, F. Holenda, J. Hyzik, F. Richter, L. Rus, O. Sobotka, V. Soucek, and J. Svtil, joint authors.
Chiefly regulation of field crops.
- 70980 BROWN, L. R. World food problem: a hard look ahead. J. Dairy Sci. 48(11):1541-1546. Nov.1965. 44.8 J822
- 70981 CAMPBELL, G., and BURNHAM, J. The perilous problems of world agriculture. Progr. Agr. Ariz. 18(1):11-13. Jan./Feb.1966. 6 P9452
Problem of population and food supply.
- 70982 ELLEMANN, G., and JUL, M. Education in the field of food science and food technology. III. (Ge) Fleischwirtschaft 45(5):482,485-486. May 1965. 280.38 F62
- 70983 FROLOV, A. Directives of the 23rd Congress of the CPSU to the food industries. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 115:5-8. Apr.28,1966. (JPRS 35,231; TT 66-31668) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 9:17. Mar.1966.
Issued by CFSTI.
- 70984 GERMANY (FEDERAL REPUBLIC). BUNDES-FORSCHUNGSSANSTALT FUR GETREIDEVERARBEITUNG. STARKE ABTEILUNG. Annual report 1964, by W. Kempf and S. Winkler. (Ge) Starke 18(2):52-56. Ref. Feb.1966. 309 St22
- 70985 GOULD, P. Annual reappraisal as food processors meet grocery chain competition and act to bulwark earnings through revolutionary products and mergers. Mag. Wall St. 117(13): 582-585,599-600. Mar.5,1966. 286.8 M27
- 70986 HUNGARY. KOZPONTI ELELMISZERIPARI KUTATOINTEZET. Research themes and publications of the Institute [Central Food Research Institute] in 1964. Budapest. Kozponti Elelmiszeripari Kutatointezet Kozlem. 2:45-52. 1965. 389.9 B85
Text also in Hungarian, p.37-44; French, p.53-60; Russian, p.61-66, and German, p.69-76.
- 70987 KARPATI, GY. Report on the activity of the Hungarian Scientific Association of the Food Industries [Magyar Elelmiszeripari Tudományos Tarsasag] in 1965. (Hu) Elmezesi Ipar 20(4):97-101. Apr.1966. 290.9 M57
- 70988 KHODZHAYEV, A. Reorganization of the Uzbek food industry under the principle of the branch administration industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 112:9-12. Mar.31,1966. (JPRS 34,837; TT 66-31276) 173 J663Tro
Translation from Ekonomika i Zhizn' 12:39-41. Dec.1965.
Issued by CFSTI.
- 70989 LECERF, J. Famine in India. (Fr) Agr. Prat. 130(3):13-15. Mar.1966. 14 J82
- 70990 MOLDOVAN, A. Research and realization. (Fr) Quebec Lait. Aliment. 25(5):10-12. May 1966. 44.8 Q3
Population and food supply.
- 70991 MURRAY, G. The role of churches in development. Freedom Hunger 6(37):17-20. July/Aug. 1965. 389.8 F872
Work of the World Council of Churches in the Freedom-from-Hunger Campaign.
- 70992 MYRDAL, G. Famine on the doorstep. Freedom Hunger 7(41):24-28. Mar./Apr.1966. 389.8 F872
Food supply for underdeveloped countries.
- 70993 NAIR, J. H. World famine and the chemist. Chemist 43(6):203-209. June 1966. 381 C427
Increasing agricultural productivity.
- 70994 NAIR, M. J. Cash crops of Kerala. Indian Farming 15(3):18-19,27. June 1965. 22 In283
- 70995 PAPI, G. U. A type of indicative planning. (It) Food & Agr. Organ. United Nations. Natl. Ital. Comt. Not. 16(1):5-11. Jan.1966. 280.9 F7323
World food plan of the FAO.
- 70996 PARSHIKOV, M., and SHVARTS, V. Prospects for development of the foodstuff industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:34-45. Mar.31,1965. (JPRS 29,357) 173 J663Tro
Translation from Planovoye Khozyaystvo 12: 32-38. Dec.1964.
Issued by CFSTI.
- 70997 PAVLOV, L. Proper distribution of crops in irrigated areas. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 433:1-9. Apr.19,1966. (JPRS 35,098; TT 66-31535) 173 J663Ste
In Bulgaria.
Translation from Kooperativno Zemedelije 2:6-8. Feb.1966.
Issued by CFSTI.
- 70998 PETYT, D. Food industries and the Five-Year Plan. (Fr) Agriculture [Paris] 29(287):115, 117-118. Mar.1966. 14 Ag823
In France.
- 70999 PORIANDA, A. K. Help fight hunger. Food Eng. 38(5):50-51. May 1966. 389.8 F737
Population and food supply.
- 71000 RADOS, GY. Role of film in the higher technological education for food industries. (Hu) Elmezesi Ipar 20(4):119-123. Ref. Apr. 1966. 290.9 M57
English summary.
- 71001 RUIZ CAMACHO, R. The hunger plate. (Sp) Rev. Nac. Agr. 57(725):51-52. Sept.1965. 9.4 R32
Population and food supply in the world and Colombia.
- 71002 SANDBERG, L. G. Myrdal on agriculture and the world economic revolution. J. Farm Econ. 48(2):471-472. May 1966. 280.8 J822
Population and food supply.
- 71003 SCHATTMANN, S. E. Institute for tropical plant products. Indian Farming 15(4):18-19,34. July 1965. 22 In283
Great Britain Tropical Products Institute (London).
- 71004 SHASTRI, L. B. Produce more food and preserve our freedom. Indian Farming 15(7):3-4, 52. Oct.1965. 22 In283
- 71005 SIMON, P. A hungry world. Saint Louis, Concordia, 1966. 101 p. (The Christian Encounters) HD9000.6.S5
- 71006 TIET, V. Q. Let us fully understand the self-sufficiency view in regard to solving the present food problem. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 3:64-70. May 3,1966. (JPRS 35,313; TT 66-31749) 173 J663Th
Translation from Hoc Tap 3:45-50. Mar. 1966.
Issued by CFSTI.
- 71007 U. S. AGENCY FOR INTERNATIONAL DEVELOPMENT. Food for Freedom. Washington, 1966. 21 p.,map. HD9000.6.U55
U. S. Department of Agriculture, cooperating.
- 71008 VAN VEEN, A. G. U. S. food production and world food needs. Amer. Diet. Ass. J. 48(6): 473-476. June 1966. 389.8 Am34
Includes surpluses and their disposal.
- 71009 WEST, Q. M. World food needs; paper presented at Utah's tenth annual Agricultural and Industry Conference, Salt Lake City, Utah, February 16, 1966. Washington, U. S. D. A. Econ. Res. Serv., 1966. 25 p.,map. aHD90005.A5
- 71010 WIGHTMAN, V. F. USA food for freedom legislation. Can. Dep. Agr. Agr. Abroad 21 (2):8-15. Apr.1966. 281.9 C1642A
Use of surpluses for relief.

ANALYSIS AND COMPOSITION

- 71011 BAER, E. F. Proposed method for isolating coagulase-positive staphylococci from food products: report of a collaborative study. Ass. Offic. Anal. Chem. J. 49(2):270-273. Apr. 1966. 381 As7
- 71012 BAER, E. F., FRANKLIN, M. K., and GILDEN, M. M. Efficiency of several selective media for isolating coagulase-positive staphylococci from food products. Ass. Offic. Anal. Chem. J. 49(2):267-269. Apr. 1966. 381 As7
- 71013 BOYACK, G. A., and others. Determination of N,N-dimethyl-2,2-diphenylacetamide (Diphenamid) in plant tissues using gas-liquid chromatography. J. Agr. Food Chem. 14(3):312-314. Ref. May/June 1966. 381 J8223
A. J. Lemin, F. W. Staten, and A. Steinhardt, joint authors.
- 71014 BREAUULT, E. A. Ion exchange resin separation of metals occurring in plant material. Ass. Offic. Anal. Chem. J. 49(2):298-305. Apr. 1966. 381 As7
- 71015 BURKE, J. A., and HOLSWADE, W. A gas chromatographic column for pesticide residue analysis: retention times and response data. Ass. Offic. Anal. Chem. J. 49(2):374-385. Apr. 1966. 381 As7
Insecticides.
- 71016 CATON, L., UNGUREANU, C. The polarographic determination of tin, copper and zinc in canned food and food products. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7: 493-511. Ref. 1964/65. 389.9 R86
English summary.
- 71017 CATON, L., UNGUREANU, C., and TARABAS, C. Contributions to the colorimetric determination of phosphorus. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:513-530. Ref. 1964/65. 389.9 R86
English summary.
In yeasts.
- 71018 CHARM, S. E. On the margin of safety in canned foods. Food Technol. 20(5):97-99. May 1966. 389.8 F7398
Clostridium botulinum.
- 71019 CHEN, J. Y. T., and BENSON, W. R. Characteristic infrared absorption spectra and frequencies of carbamate pesticides. Ass. Offic. Anal. Chem. J. 49(2):412-452. Ref. Apr. 1966. 381 As7
Residues in food.
- 71020 CORETTI, K., and SOMOGYI, A. Manganese sulphate-sodium acetate medium (Mn-Ac-medium) for culturing and differentiation of lactobacilli in foods. (Ge) Fleischwirtschaft 45(5):476,479-482. May 1966. 280.38 F62
English summary.
- 71021 DUGGAN, R. E. Pesticide residue studies: validation of multi-residue methods. Ass. Offic. Anal. Chem. J. 49(2):456-459. Apr. 1966. 381 As7
Food analysis for insecticide residues.
- 71022 FRANKLIN, M. K., BAER, E. F., and GILDEN, M. M. Reliability of several diagnostic and determinative tests in the identification of coagulase-positive staphylococci. Ass. Offic. Anal. Chem. J. 49(2):282-284. Apr. 1966. 381 As7
- 71023 GAUL, J. A. Quantitative calculation of gas chromatographic peaks in pesticide residue analyses. Ass. Offic. Anal. Chem. J. 49(2): 389-399. Ref. Apr. 1966. 381 As7
Insecticides.
- 71024 GENIGEORGIS, C., and SADLER, W. W. Immunofluorescent detection of staphylococcal enterotoxin B. I. Detection of culture media. J. Food Sci. 31(3):441-449. Ref. May/June 1966. 389.8 F7322
- 71025 GILDEN, M. M., BAER, E. F., and FRANKLIN, M. K. Comparative evaluation of a direct plating procedure and an enrichment isolation procedure for detecting coagulase-positive staphylococci in foods. Ass. Offic. Anal. Chem. J. 49(2):273-275. Apr. 1966. 381 As7
- 71026 GRAHAM, H. D., and WILLIAMS, J. L. Quantitative aspects of the interaction of carrageenan and other hydrocolloids with polyvalent cobalt complexes. J. Food Sci. 31(3):362-372. Ref. May/June 1966. 389.8 F7322
- 71027 GRIER, J. D. Preparation of plant material for analysis. Ass. Offic. Anal. Chem. J. 49(2):291-298. Apr. 1966. 381 As7
- 71028 GROEBEL, W. Quantitative determination of the indene monomers in coumarone-indene resins. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(5):292-293. 1966. 384 Z39
- 71029 HARRIS, W. E., and HABGOOD, H. W. Annotated bibliography of programmed temperature gas chromatography 1952-1964. II. 1962-1963. J. Gas Chromatogr. 4(5):168-172. May 1966. 381 J8225
- 71030 HOLINGER, B. W., STEINBERG, R., and GORDON, R. Analyzed sodium values in foods ready to serve. Amer. Diet. Ass. J. 48(6):501-504. June 1966. 389.8 Am34
- 71031 HOLLO, J., and SZEJTLI, J. Die Saurehydrolyse der Starke [Acid hydrolysis of starches]. Berlin, Akademie-Verlag, 1966. 118 p. Ref. (Deutsche Akademie der Wissenschaften, Berlin. Klasse für Chemie, Geologie und Biologie, 1965, No.1) 509 D482
- 71032 JEMMALI, M. Synthesis and enzymatic breakdown of starch. (Fr) Indus. Aliment. Agr. 82(12):1271-1292. Ref. p.1289-1292. Dec. 1965. 383 As7
- 71033 KALAN, E. B., and WOYCHIK, J. H. Action of rennin on K-casein, the amino acid compositions of the para-K-casein, and glycomacropeptide fractions. J. Dairy Sci. 48(11):1423-1428. Ref. Nov. 1965. 44.8 J822
- 71034 KOLOMITSEVA, M. G. Content level of certain micro-elements (iodine, fluorine, cobalt, and copper) in local food products of the Altai Mountains. 5 p. (TT 63-24382) Transl. 15356
Translation from Voprosy Pitaniya 20(6):55-58. 1961.
Issued by CFSTI.
- 71035 KOVACS, M. F. Rapid detection of chlorinated pesticide residues by an improved TLC technique: 3 1/4 x 4" micro slides. Ass. Offic. Anal. Chem. J. 49(2):365-370. Apr. 1966. 381 As7
- 71036 LEE, E. G. H., TOWNSLEY, P. M., and WALDEN, C. C. Effect of bivalent metals on the production of aflatoxins in submerged cultures. J. Food Sci. 31(3):432-436. May/June 1966. 389.8 F7322
In Aspergillus flavus.
- 71037 LETAN, A. The relation of structure to anti-oxidant activity of quercetin and some of its derivatives. II. J. Food Sci. 31(3):395-399. May/June 1966. 389.8 F7322
- 71038 MANALO, R., and JONES, J. E. The content of constants diets; a comparison between analyzed and calculated values. Amer. J. Clin. Nutr. 18(5):339-342. Ref. May 1966. 389.8 J824
- 71039 MIRO, M., and others. The determination of stable scandium in plants, animals, sediments, sands, soils, rocks and minerals by neutron-activation analysis. Anal. Chim. Acta 35(1):54-60. Ref. May 1966. 381 An1
I. Oliver de Padovani, E. Ramos, V. Raman de Vega, and F. G. Lowman, joint authors.
- 71040 MOTOC, D. Contributions to the development of microbiological research in the food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:31-39. 1964/65. 389.9 R86
English summary.
- 71041 NAGY, E. Estimation of germ-count in the course of processing on the surface of meat used for canned products. (Hu) Husipar 15(2): 60-65. Ref. Mar./Apr. 1966. 50.8 H95
English summary.
- 71042 NAYLOR, H. B. The present significance of psychrophiles. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:149-155. 1965. 44.9 N4833
In refrigerated food.

- 71043 NEWELL, G. Automation creates need for complex instrumentation. *Food Can.* 26(5):21-23. May 1965. 389.8 F7323
In food analysis; hydrogen-ion concentration.
- 71044 PURKAYASTHA, R., and ROSE, D. Location of the carbohydrate-containing fraction of K-casein after gel electrophoresis. *J. Dairy Sci.* 48(11):1419-1422. Ref. Nov. 1965. 44.8 J822
- 71045 RIEBARTSCH, K., and GOTTSCHALK, G. Lead determination in plant substances. (Ge) *Z. Anal. Chem.* 214(3):179-185. 1965. 384 Z3
English summary.
- 71046 SALEH, B. A., SILVERMAN, G. J., and GOLDBLITH, S. A. Microbial evaluation of commercial freeze-dried foods. *Food Technol.* 20(5):103-106. Ref. May 1966. 389.8 F7398
- 71047 SAMUEL, B. L. An improved screening method for chlorinated and thiophosphate organic insecticides in foods and feeds. *Ass. Offic. Anal. Chem. J.* 49(2):346-353. Apr. 1966. 381 As7
- 71048 SHUMAN, H., and CHERI, U. R. Determination of chlorbenside residues including its sulfoxide and sulfone oxidation products. *Ass. Offic. Anal. Chem. J.* 49(2):407-412. Ref. Apr. 1966. 381 As7
In plants.
- 71049 STANLEY, C. W. Herbicide determinations: derivatization of pesticide-related acids and phenols for gas chromatographic determination. *J. Agr. Food Chem.* 14(3):321-323. Ref. May/June 1966. 381 J8223
In plant materials.
- 71050 SURKIEWICZ, B. F. Microbiological methods for examination of frozen and/or prepared foods. *Ass. Offic. Anal. Chem. J.* 49(2):276-281. Apr. 1966. 381 As7
- 71051 SZEJTLI, J., and AUGUSTAT, S. On the configuration of amylose molecules in aqueous solutions. (Ge) *Starke* 18(2):38-52. Ref. Feb. 1966. 309 St22
English summary.
Literature review.
- 71052 TRIMNELL, D., and others. Effect of reaction variables on distribution of xanthate groups in starch xanthate. *Starke* 18(2):36-38. Feb. 1966. 309 St22
W. M. Doane, C. R. Russell, and C. E. Rist, joint authors.
- 71053 TUCHSCHEERER, T. Systematic research on the minor elements in foods with the aid of fluorescence X-rays. (Ge) *Z. Anal. Chem.* 215(6):416-424. 1966. 384 Z3
English summary.
- 71054 WARNECKE, M. O., and others. Quality of processed comminuted meat as affected by microbial flora of the raw constituents. *Food Technol.* 20(5):118-120. Ref. May 1966. 389.8 F7398
H. W. Ockerman, H. H. Weiser, and V. R. Cahill, joint authors.
- 71055 WESTERN AUSTRALIA. GOVERNMENT CHEMICAL LABORATORIES. Report for the year 1964. Perth, 1965. 49 p. 385 W523
Analyses of agricultural products and soils included.
- 71056 WHITLEY, V. P. Comparison of the official method for total phosphorus (volumetric) and the gravimetric quinoline molybdate method for total phosphorus—1965 collaborative study. *Ass. Offic. Anal. Chem. J.* 49(2):284-286. Apr. 1966. 381 As7
Agricultural products.
- CONSUMPTION AND UTILIZATION**
- 71057 BRUUN, J. H., and SPEEL, H. C. Agricultural raw materials for industrial use, 1963 and 1964. *U. S. Agr. Res. Serv. ARS-20-14*, 19 p. Ref. Mar. 1966. A31.3 R31Ar
- 71058 HOUCK, J. P. A look at flexibilities and elasticities. *J. Farm Econ.* 48(2):225-232. May 1966. 280.8 J822
Demand.

- 71059 JENNINGS, H. L. Spending on food. *Co-op. Rev.* 39(9):263-265. Sept. 1965. 280.28 C7823
Great Britain.
- 71060 OVERBEY, D. Consumer education. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:68-69. 275.29 AL1Su
Extension programs.
- 71061 ZEHNER, M. D., and MCMILLAN, A. Consumer preferences for food products and packages. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 16, 33 p. Aug. 1965. 281.9 M5842

DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 71062 ALTMAN, W. The grocery trade; the right formula becomes more elusive. *Statist* 190(4598):993-994. Apr. 22, 1966. 286.8 St2
Supermarkets.
- 71063 BIRD, K. Change—farm marketing's secret armor; talk to the sixth Food Distribution Research Conference, Columbia, Missouri, Oct. 29, 1965. Washington, U. S. D. A., Econ. Res. Serv., Marketing Econ. Div., 1965. 14 p. aH9005.A5
- 71064 BLANKINSHIP, W. C. What to do about that 10% we are striving for, many problems remain to be solved if industry is to reach its potential. *Frozen Food Factbook Dir.* 1965:15. 389.8 F935
Marketing.
- 71065 BROWN, A. J. Marketing. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:30-31. 275.29 AL1Su
Extension programs.
- 71066 CEYLON CHAMBER OF COMMERCE. Annual report and accounts 1965. Colombo, 1966. 113 p. 287 C33A
Includes statistics for agricultural products.
- 71067 CHANG, W. T., and YANG, K. H. Transportation and the expansion of agricultural production. *U. S. Joint Publ. Res. Serv. Transl. Communist China's Transp. Commun.* 1:1-5. July 29, 1964. (JPRS 25,638; TT 64-21910) 173 J663Tect
Chiefly transportation.
Translation from Jen-min Jih-pao, June 6, 1964:5.
- 71068 CHICAGO. BOARD OF TRADE. The one hundred and eighth annual report for the year ended December 31, 1965. Chicago, 1966. 183 p. 287 C43R
Includes grain, soybean, oils and oilseeds, flour, and livestock statistics.
- 71069 CUTHBERTSON, W. F. J. Problems in introducing new foods to developing areas. *Food Technol.* 20(5):66-68. May 1966. 389.8 F7398
- 71070 FARMER, R. N. Two cases for unregulated truck transportation: reply. *J. Farm Econ.* 48(2):469-471. May 1966. 280.8 J822
- 71071 FARMERS UNION COOPERATIVE MARKETING ASSOCIATION. 51st annual report, 1964. Kansas City, Mo., 1965. 15 p. 280.2599 F22
- 71072 FLETCHER, J. A. Twelve "unbeatable problems" and how they were solved. *Frozen Food Factbook Dir.*, 1966:21,23,25. 389.8 F935
Chiefly marketing.
- 71073 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. CONSULTATIVE SUB-COMMITTEE ON SURPLUS DISPOSAL. Fourteenth report of CCP. *Food Agr. Organ. (Comm. Commod. Probl. Consult. Sub-Comm. Surplus Disposal) CCP/CSD/64/45*, 15 p. June 22, 1964. 389.9 F735Ccp
- 71074 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. CONSULTATIVE SUB-COMMITTEE ON SURPLUS DISPOSAL. Present and future position and role of the Sub-Committee. *Food Agr. Organ. (Comm. Commod. Probl. Consult. Sub-Comm. Surplus Disposal) CCP/CSD/64/28*, 4 p. Apr. 17, 1964. 389.9 F735Ccp

- 71075 HARTNETT, H. B. Marketing economics research publications, a reference list. U. S. D. A. Econ. Res. Serv. ERS-205, slightly rev., 56 p. Apr. 1965. A281.9 Ag83E
- 71076 HELLEINER, G. K. Marketing boards and domestic stabilization in Nigeria. Rev. Econ. Statist. 48(1):69-78. Feb. 1966. 251.8 R32 Agricultural.
- 71077 HILL, L. D. Market planning for resource development in an eight-county region of southern Illinois. Ill. Univ. Coll. Agr. Spec. Publ. 10, 48 p., map. Ref. Mar. 1966. 276 IL623 Appendix A includes linear programming models.
- 71078 IBL, V. Importance and problems of the shipment of perishable foods. (Hu) Elelmezési Ipar 20(4):113-118. Ref. Apr. 1966. 290.9 M57 English summary. Czechoslovakia.
- 71079 JOHNSON, A. H. Food sales up 47% to \$125 billion; important changes in market patterns. Food Process./Marketing [Chicago] 26(9):77-79, 110, 112. Sept. 1965. 389.8 F7325
- 71080 JOHNSTON, M. The Little Rock food buyer and mass media information. Ark. Univ. Ext. Circ. 524, 16 p. June 1965. 275.29 Ar4
- 71081 KASSIROV, L. Procurement of kolkhoz and sovkhos products. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:1-11. May 9, 1966. (JPRS 35,391; TT 66-31827) 173 J663Tso Translation from Voprosy Ekonomiki 1:37-46. Jan. 1966. Issued by CFSTI.
- 71082 KOUTSOUKAKES, B. Contribution of the marketing of agricultural products to economic development. (Gre) Delt. Agrotikes Trapezes 145:6-8. July/Aug. 1965. 21.7 D38
- 71083 KUGLER, G. Agriculture and rural trade. (Ge) Mitt. Deut. Landwirt.-Ges. 81(1):16, 18. Jan. 6, 1966. 18 N39 Domestic trade.
- 71084 LAUTH, J. H. Freight rates and farm products. Agr. Marketing [Washington] 11(5):14-15. May 1966. A280.38 Ag8
- 71085 LIFSON, D. How to efficiently utilize labor for frozen foods. Quick Frozen Foods 28(9):104-106. Apr. 1966. 389.8 Q4 Marketing.
- 71086 MATHIA, G. A., and others. Selection of a model for the optimal location of a wholesale market in Lima. (Sp) An. Cient. 2(1):77-86. Jan./Mar. 1964. 9.8 An1 L. de las Casas Moya, R. A. King, and A. F. Miller, joint authors. English summary.
- 71087 MATHIA, G. A., and KING, R. A. Research on marketing in Peru. (Sp) An. Cient. 2(1):87-104. Jan./Mar. 1964. 9.8 An1 English summary.
- 71088 NATIONAL FOOD BROKERS ASSOCIATION. NFBA directory of members, corrected to June, 1965. Washington, D. C., 1965. 238 p. 225 N219
- 71089 ROEWE, G. J., and LEINEN, N. Develop a sounder, broader market for food aerosols. Food Process./Marketing [Chicago] 26(9):84-86, 103. Sept. 1965. 389.8 F7325
- 71090 STEFANI, A. DE'. Producers and consumers in the face of bureaucratic and syndical links. (It) G. Agr. 76(19):211. May 8, 1966. 16 It1G Food marketing policy.
- 71091 STOVALL, J. G. Sources of error in aggregate supply estimates. J. Farm Econ. 48(2):477-479. May 1966. 280.8 J822 Based on individual farm linear programming solutions.
- 71092 THIJM, K. J. L. A. How marketing-minded is our food and condiment industry? (Du) Econ.-Statist. Ber. 51(2540):479-481. May 4, 1966. 280.8 Ec722
- 71093 THIMM, H. U. Koordination fur den landwirtschaftlichen Absatz [Coordination of agricultural marketing]. Agrarpolit. Marktwesen 7, 148 p. 1966. 281.8 Ag837 Bibliography, p. 139-148.
- 71094 U. S. FEDERAL EXTENSION SERV. Selecting and buying food: food for young families. U. S. D. A. PA-696, 4 p. Mar. 1966. 1 Ag84Pro
- 71095 VANGELOS, A. J. Imagination in merchandising frozen food products. Quick Frozen Foods 28(9):109. Apr. 1966. 389.8 Q4
- 71096 WALDORF, W. H. Labor productivity in food wholesaling and retailing, 1929-1958. Rev. Econ. Statist. 48(1):88-93. Ref. Feb. 1966. 251.8 R32
- 71097 WEBER, A. Absatzwerbung fur landwirtschaftliche Erzeugnisse [Advertising for agricultural products]. Munchen, Bayerischer Landwirtschaftsverlag, 1965. 198 p. HF6161.A3W4 Bibliography, p. 184-191.

GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 71098 ALBRECHT, J. Make your food product stand out with that extra touch of flavor. Food Process./Marketing [Chicago] 27(5):42-45. May 1966. 389.8 F7325
- 71099 BARFUSS, V. W. The legal position of the state food research institute in the penal process--purpose and problems of § 30 of the Food Law. (Ge) L E (Lebensmittel Ernahr.) 18(8):5-8. Ref. Aug. 1965. 389.8 Z34
- 71100 BOYEV, V. High quality products give better returns to kolkhozes and sovkhos. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57:5-10. Jan. 6, 1965. (JPRS 28,145) 173 J663Tso Translation from Ekonomicheskaya Gazeta 40:31. Oct. 1964. Issued by CFSTI.
- 71101 CAMPANACCI, D. Chemical additives from the point of view of the physician. (It) Molini Ital. 16(5):171-174. May 1965. 298.8 M73
- 71102 CHAPMAN, R. A. Food safety in Canada. Food Drug Cosmet. Law J. 21(5):283-292. May 1966. 389.58 F732 Regulation.
- 71103 FENTON, F. E. C&MS proposes frozen dessert standards. Agr. Marketing [Washington] 11(5):4. May 1966. A280.38 Ag8
- 71104 GEORGE, E. Food adulteration in New York State. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:85-91. 1965. 44.9 N4833
- 71105 GRAHAM, A. J. The law governing FDA factory inspection. Food Drug Cosmet. Law J. 21(5):275-282. May 1966. 389.58 F732
- 71106 LIDEN, K. Accumulation of radionuclides in lichens and mosses in the food chain--lichen, reindeer and man. (Sw) Suomen Kem. A, 39(2):18-28. 1966. 385 Su7
- 71107 NEW YORK STATE ASSOCIATION OF MILK AND FOOD SANITARIANS. 39th annual report, including papers presented at the 13th, i.e. 42nd joint conference with Cornell Department of Dairy and Food Science, September 27-29, n.p., 1965. 251 p. 44.9 N4833
- 71108 OVERBEY, D. Labels are the windows of cans. Auburn Univ. Ext. Circ. HE-78, 6 p.-folder. Mar. 1966. 275.29 AL14
- 71109 OVERBEY, D. Labels are the windows of cans. Auburn Univ. Ext. Leaflet. YHE-5, rev., 4 p. Jan. 1966. 275.29 AL14L
- 71110 REINIUS, L. Antibiotics in food-stuffs. (Fi) Suomen Eläinlääkärilehti 72(3):101-104. Mar. 1966. 41.8 F49
- 71111 ROBE, K. Practical new technology for branding food items. Food Process./Marketing [Chicago] 26(9):94-95, 108. Sept. 1965. 389.8 F7325

- 71112 ROSSON, C. C. Let's upgrade our products, our firms and our industry. Frozen Food Factbook Dir. 1965:21,23. 389.8 F935
Quality and prices.
- 71113 SETTER, L. R., SMITH, D., and SPECTOR, M. Cesium-137 in food—a summary of results on selected foods in the United States, July 1962 to October 1963. Radiol. Health Data Rep. 7(3): 145-156, map. Mar. 1966. 151.65 R11
- 71114 SETTER, L. R., SMITH, D., and SPECTOR, M. Strontium-90 in food—a summary of results on selected foods in the United States, July 1962–October 1963. Radiol. Health Data Rep. 7(2): 64-78, map. Feb. 1966. 151.65 R11
- 71115 SHEVCHENKO, M. G., and SHILLINGER, YU. I. Principles for regulation of maximum quantities of economic poisons in food products and organization of their control in USSR. (Rus) Zh. Gigieny, Epidemiol. Mikrobiol. i Immunol. 9 (1):1-6. 1965. Not in Libr.
Abstracted in Ref. Zh. Biol. 22(sect.E):35. Nov. 1965. 241.7 R25
- 71116 SPORN, A. On the use of additives in food products. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:51-60. 1964/65. 389.9 R86
English summary.
- 71117 STOICA, V. The quality of raw materials and its role in food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:41-50. 1964/65. 389.9 R86
English summary.
- 71118 SWACKHAMER, A. B. Report on pesticide residues in restaurant meals in Canada. Pesticide Progr. 3(5):108-114. Sept. 1965. 79.8 P434
Chlorinated hydrocarbon insecticides.
- 71119 WASSERBURGER, H. J. Practical and technical prerequisites for carrying out residue specifications in plant protection; integration of plant protection and health protection. (Ge) Ernähr.-Umsch. 12(8):235. Aug. 1965. 389.8 Er66
- 71120 ZIPFEL, W. Technical adjuvants. (Ge) Beitrage 129(5):57-71. In Z. Lebensmittel-Untersuchung -Forsch. 1965. 384 Z39
Legal aspects.

PACKING AND PACKAGING

- 71121 BOMAR, M. Fungitoxic substances acting in the vapor phase as protection against microorganisms (molds) in packed goods. (Ge) Tech.-Wiss. Beilage, p.69-72. In Verpackungs-Rundsch. 16(9). Ref. Sept. 1965. 280.38 V592
English summary.
- 71122 DOWNEY, I. Princess packaged-right. Auburn Univ. Ext. Leaf. YHE-43,4 p. Dec. 1965. 275.29 AL14L
Food.
- 71123 HARMOND, J. E. Automatic pickup for bags, tags, and cartons in packaging and labeling agricultural products. U. S. Agr. Res. Serv. ARS-42-117,6 p. Feb. 1966. A58.9 R31
- 71124 HOBINCUI, A. Research and results regarding the use of plastics in food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7: 61-73. Ref. 1964/65. 389.9 R86
English summary.
- 71125 LITTLEJOHN, G. S. Some thoughts on food packaging. Indian Food Packer 20(1):26-28. Jan./Feb. 1966. 389.8 In25
- 71126 MCHARDY, J. Electrochemical testing of aluminum in cans. Mod. Packaging 39(10):161-165. June 1966. 309.8 M72
For corrosion of food containers.
- 71127 RUSU, D., and others. Contributions to the study of the permeability of flexible packages to microorganisms. (Rum) Indus. Aliment. 16 (11):602-605. Nov. 1965. 389.8 In26
P. Atanasov, C. A. Georgescu, and A. Trifan, joint authors.
English summary, p.613.
Food.

- 71128 SHERWOOD, P. W. Foods stored under frozen conditions pose unique package considerations. Canner/Packer 135(5):40. May 1966. 286.83 C16

PRICES, PRICE CONTROL, AND RATIONING

- 71129 ALBERTARIO, P. Agricultural prices in the Community policy. (It) G. Agr. 76(18):201. May 1, 1966. 16 It1G
Control.
- 71130 BAUMAN, L., and TOLKUSHIN, V. The calculation of territorial variation in state retail prices. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 90:74-84. July 12, 1965. (JPRS 31,042; TT 65-31540) 173 J663Tro
Chiefly prices for foodstuffs.
Translation from Vestnik Statistiki 4:31-39. Apr. 1965.
- 71131 BAYLOV, F. The price system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:18-23. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Includes control in Bulgaria.
Translation from Otchetnost i Kontrol 4:180-182. Apr. 1966.
Issued by CFSTI.
- 71132 CHANG, K. On the objective standards in setting seasonal differential in the price of agricultural products. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 9:31-35. Nov. 10, 1965. (JPRS 32,793; TT 65-33371) 173 J663Trf
Translation from Ching Chi Yen Chiu 9:34-37. Sept. 20, 1965.
Issued by CFSTI.
- 71133 DANTWALA, M. L. Price trends in agriculture. Indian Farming 15(8):9. Nov. 1965. 22 In283
- 71134 FERRIS, J. Monthly and annual average prices on Michigan farm products and inputs. Mich. State Univ. [Ext.] Agr. Econ. Rep. 2,39 p. May 1965. 281.9 M5842
Includes statistics.
- 71135 GENCHEV, G. The law of value and the forming of prices of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 439:6-22. May 13, 1966. (JPRS 35,487; TT 66-31923) 173 J663Ste
Bulgaria.
Translation from Novo Vreme 4:14-25. Apr. 1966.
Issued by CFSTI.
- 71136 GULBRANDSEN, O. Future price relations of agricultural products and the effect on production trends. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 73:16-23. 1965. 11 Up62A
In Sweden.
- 71137 HESKE, G., and NIERADT, B. West German price index for living costs a more powerful statement after the third accounting revision? (Ge) Statist. Praxis 20(5):180-182. May 1965. 251.8 St25
Food prices included.
- 71138 KANTOR, L. M. Price determination in the USSR. 181 p. (JPRS 34,385; TT 66-30825) HB235.U4K33
Contains a chapter on farm prices.
Translation of Tsenoobrazovanie v SSSR. CFSTI: \$5.00.
- 71139 KRASNOPIVTSEV, A. Streamlining of procurement prices for kolkhoz products advocated. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:45-49. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 5:31. Feb. 1965.
- 71140 MACNAUGHT, J. Recent developments in the EEC. Can. Dep. Agr. Agr. Abroad 21(2):34-38. Apr. 1966. 281.9 C1642A
Prices and policies.

- 71141 MALAFEYEV, A. N. Price formation in the USSR during the decade 1953-1963. 92 p. Ref. (JPRS 33,949; TT 66-30392) Transl. 15831 Includes agricultural prices. Translation from Istoriya Tsenoobrazovaniya v SSSR, 1917-1963, 1964:272-235,415-437. CFSTI: \$3.00.
- 71142 MARSHALL, D. A. B. New prices for Dutch farm products. Can. Dep. Agr. Agr. Abroad 21(2):30-33. Apr.1966. 281.9 C1642A
- 71143 MEHTA, A. The challenge of rising prices. Kurukshetra 13(5):2-3,10. Feb.1965. 281.28 K96 Includes agriculture; India.
- 71144 MINER, W. M. Britain's annual farm price review. Can. Dep. Agr. Agr. Abroad 21(2):15-24. Apr.1966. 281.9 C1642A
- 71145 STANCL, B. Prices, premiums, and discounts on socialized farms in 1960-1964, and their influence on the economy and profitability of production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:80-101. Ref. Apr.27,1966. (JPRS 35,209; TT 66-31646) 173 J663Ste In Yugoslavia. Translation from Agronomski Glasnik 1:49-64. Jan.1966. Issued by CFSTI.
- 71146 VUKCEVIC, G. Premiums and discounts in agriculture in 1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:39-41. Mar.28,1966. (JPRS 34,738; TT 66-31177) 173 J663Ste Prices in Yugoslavia. Translation from Glasnik 2:44-45. Feb.1966. Issued by CFSTI.
- 71147 WATANO, S. Whither prices? Orient. Econ. 34(667):276-282. May 1966. 280.8 Or4 Includes agricultural products prices in Japan.
- PROCESSING AND STORAGE**
- 71148 ADAMS, R. Objectives of the State and national sanitarians associations. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:157-160. 1965. 44.9 N4833 New York.
- 71149 AUSTRALIA COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF FOOD PRESERVATION. Annual report-1962-1964. Food Technol. Australia 18(4):232-234. (Cont.) Apr.1966. 389.8 F7333
- 71150 BOONE, P. Mode of action and applications of nisin. Food Manufacture 41(5):49-51. Ref. May 1966. 389.8 F736
- 71151 BOURNE, M. C. The physical chemistry of plant sanitation. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:117-131. 1965. 44.9 N4833 Food industry.
- 71152 BRACH, E. J., and TIMBERS, G. E. Controlling a low temperature freezing chamber. J. Agr. Eng. Res. 11(1):65-67. Mar.1966. 58.8 J82 For food.
- 71153 BURR, H. K., and COPLEY, M. J. The effects of some of the new rapid freezing techniques. Frozen Food Factbook Dir., 1966:19,25,27. 389.8 F935
- 71154 CANADA. BUR. OF STATISTICS. Stocks of food commodities in cold storage and other warehouses 1965. Ottawa, 1966. 21 p. 295.9 C16S
- 71155 CANADA. BUR. OF STATISTICS. INDUSTRY DIV. Canned foods summary, 1961. Ottawa, 1966. 19 p. (Annual Census of Manufacturers) 253 C335Ca
- 71156 CENTRE TECHNIQUE DES CONSERVES DE PRODUITS AGRICOLES. Activities in 1965. (Fr) Rev. Conserv. 21(2):61-64. Mar.1966. 389.8 R326 Chiefly canned food in France.
- 71157 DODDS, J. E. The need for leadership in the frozen food industry. Frozen Food Factbook Dir., 1966:15. 389.8 F935
- 71158 DOWNEY, I. Food preservation. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:66-67. 275.29 AL1Su Extension programs in canned and frozen foods.
- 71159 DOWNEY, I. Freezing a cake. Auburn Univ. Ext. Leaflet, YHE-45,2 p. Feb.1966. 275.29 AL14L
- 71160 FAIVRE, G. Storage in modern times; fast freezer. (Fr) Rev. Agr. France 42:4-5,8,11, 13-14. July 1965. 14 R326 For food preservation.
- 71161 FROZEN food factbook and directory, 1966. New York, Natl. Frozen Food Assoc., 1966. 200 p. 389.8 F935 Includes statistics.
- 71162 GARRETT, L. Pressures and processing times for home canning. N. Mex. State Univ. Ext. Circ. 384,6 p. 1965. 275.29 N463E
- 71163 GOLDBLITH, S. A. Radiation sterilization of food. Nature [London] 210(5034):433-434. Apr.23,1966. 472 N21
- 71164 GRYLLUS, MRS. V., and MAGYAR, MRS. K. Application of ion exchangers in the Hungarian food industry. III. Technology of ion exchange. (Hu) Elelmezési Ipar 20(4):102-108. Apr. 1966. 290.9 M57 English summary.
- 71165 KEMPF, W. Pasting temperature of various kinds of starch. 17 p. Transl. 15006 Translation from Brot und Gebäck 10(11):233-238. 1965. Processing.
- 71166 LACHMANN, A. Agglomeration forms "new" sugars. Food Eng. 38(5):140,143,145. May 1966. 389.8 F737
- 71167 LONCIN, M. Chemical engineering and the food industries. (Fr) Indus. Aliment. Agr. 83 (3):217-222. Mar.1966. 383 As7
- 71168 MORROW, C. T., and MOHSENIN, N. N. Consideration of agricultural products as viscoelastic bodies. Amer. Soc. Agr. Eng. Pap. 810, 28 p. Ref., p.15-16. 1965. 290.9 Am32P With reference to mechanical handling.
- 71169 MOY, J. H. A study of the kinetics of the effects of ultrasound and airborne sound in freeze-drying. Diss. Abs. 26(10):5972. Apr. 1966. 241.8 M58
- 71170 MPALATSOURAS, G. D. Drying method used in the preservation of foodstuffs. (Gre) Delt. Agrotikes Trapezes 146:11-19. Ref. Sept./Oct. 1965. 21.7 D38
- 71171 NELSON, G. E. N., CIEGLER, A., and HALL, H. H. Analysis for stereoisomers of beta-carotene in fermentation preparations. J. Food Sci. 31(3):359-361. Ref. May/June 1966. 389.8 F7322
- 71172 NOONAN, J. E. FD&C lakes can do more for you. Food Eng. 38(5):136-138. May 1966. 389.8 F737 Food coloring.
- 71173 PARRY, M. Food hygiene; the next steps. Co-op. Rev. 39(12):356-357. Dec.1965. 280.28 C7823 Great Britain.
- 71174 QUICK FROZEN FOODS. Directory of wholesale distributors 1966-67, 9th edition. New York, E. W. Williams Pubs., 1966. 271 p. 225 Q4D
- 71175 ROBEV, S. Methods of combating radioactive pollution. 8 p. (JPRS 34,927; TT 66-31365) Transl. 15911 Includes decontamination of food. Translation from Priroda [Sofia] 5:14-17. Oct.1965. CFSTI: \$1.00.
- 71176 ROGERS, H. B. New autolyzed yeast extracts widen range and increase strength of meat-like flavors. Food Process./Marketing [Chicago] 27(5):58-59. May 1966. 389.8 F7325

- 71177 SAVU, A., and BERCESCU, V. Research on the conditions of congelation of certain foodstuffs in freezing apparatus provided with plates and the introduction of direct control of the technological processes. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:257-265. 1964/65. 389.9 R86
English summary.
- 71178 SHERWOOD, P. How computers can cut maintenance costs of food processing plants. Australian Food Manufacture Distributor 9(35):64, 66. Apr.12,1966. 389.8 Au7
- 71179 SHULER, R. C. Plant maintenance & sanitation. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:133-136. 1965. 44.9 N4833
Food.
- 71180 SILVERMAN, G. J., and GOLDBLITH, S. A. The microbiology of freeze-dried foods. Advances Appl. Microbiol. 7:305-334. Ref. 1965. 448.2 Uml
The freeze-drying process and microbial survival.
- 71181 STRUBING, E. Dioscorides and starch manufacture. (Ge) Starke 18(1):22-27. Jan.1966. 309 St22
- 71182 SYMPOSIUM ON FOREIGN SUBSTANCES IN FOOD, 8, WARSAW, 1965. [Report]. (Fr) Indus. Aliment. Agr. 83(3):207-214. Mar.1966. 383 As7
Effect of technological methods in food processing on sanitary and nutritive value and organoleptic properties.
- 71183 U. S. CONGRESS. JOINT COMMITTEE ON ATOMIC ENERGY. Radiation processing of foods. Hearings, 89th Cong., 1st sess., June 9 and 10, 1965. Washington, 1965. 821 p. TX611.U5
- 71184 U. S. CROP REPORTING BOARD. Summary of regional cold storage holdings, 1965. Washington, 1966. 22 p. 1.956 M34Su62
- 71185 VASIL'YEV, G. The need for canneries. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:112-114. Mar.31,1965. (JPRS 29,357) 173 J663Tro
Translation from Ekonomicheskaya Gazeta Dec.16,1964:32.
Issued by CFSTI.
- 71186 WELDRING, J. A. G. Course of temperature in cans during sterilization by steam and air. (Du) Conserva 14(8):179-180. Feb.1966. 389.8 C7632
French summary.
- 71187 YOUNG L., N. Effects of some agents and processes on the nutritive value of foods. (Sp) Inst. Invest. Tecnol. Rev. 7(34):7-12. Mar./Apr.1965. 241.4 In73
Effects of heat and storage.
- STATISTICS**
- 71188 AGGARWAL, O. P. Informe al Gobierno del Peru sobre el primer Censo Agropecuario Nacional y el plan de muestreo para la obtencion de resultados basicos [Report to the Government of Peru on the first National Agricultural Census and the sampling plan for obtaining the basic results]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1943,27 p. 1965. 281.9 F733E
- 71189 BADEN-WURTTENBERG. STATISTISCHES LANDESAMT. Die Ernte der Hauptfeldfruchte [The harvest of principal field crops]. Baden-Wurttemb. Statist. Landesamt. Statist. Ber. Agrardienst 72:496-511. Feb.2,1965. 265 St28
- 71190 CANADA. BUR. OF STATISTICS. Index of farm production, 1965. Ottawa, 1966. 3 p. 281.9 C164
- 71191 CERVI, V. Third census organized by the FAO with the purpose of bringing out the agricultural production programs and assuring adequate nutrition to the increasing world population; more than a hundred nations of the world will participate. (It) Food & Agr. Organ. United Nations. Natl. Ital. Comt. Not. 16(1):13-15. Jan.1966. 280.9 F7323
- 71192 COUDEN, H. N. A multi-use procedure of statistical analysis by variables sampling. Food Technol. 20(5):49-51,55,58,60. May 1966. 389.8 F7398
- 71193 CRESCIOLI, C. An abnormal agricultural year. (It) Vicenza Econ. 21(2):95-103, map. Feb. 1966. 287 V662
Production statistics.
- 71194 DOAK, P. D. Resource utilization and productivity estimates in the food and kindred products industry. Diss. Abs. 26(10):5759. Apr. 1966. 241.8 M58
- 71195 EDLUND, A. Results of crop culture this summer. (Sw) Norrbottens Lantmannabl. 7:134-135. Oct./Nov.1965. 11 N792
Crop yields.
- 71196 HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Mezogazdasagi adattar [Collective data of agriculture], v. 1-2. Budapest [Statistikai Kiado Vallalat], 1965. 2 v. HD1940.H8A2
- 71197 MADHYA PRADESH. DIRECTORATE OF LAND RECORDS. Tables of agricultural statistics of Madhya Pradesh for the year ending 30th June 1964, tables (I to VII). Gwalior, 1965. 153 p. S280.M3A2
Acreage.
- 71198 MARCH, D. Value of production in Hunter Valley rural industries 1947-1964. Hunter Val. Res. Found. Monogr. 22,76 p., map. 1966. 56.9 H91
Statistics.
- 71199 NEW SOUTH WALES. BUR. OF CENSUS AND STATISTICS. Pocket year book for 1966. Sydney, 1966. 224 p. 271.1 St2Sy
Includes agricultural statistics.
- 71200 1965 WISCONSIN agricultural statistics. Madison, Wis. Statist. Rep. Serv., 1965. 73 p. HD1775.W6W5
Wisconsin State Department of Agriculture and Statistical Reporting Service of the U. S. Department of Agriculture, cooperating.
- 71201 PAPUA AND NEW GUINEA. BUR. OF STATISTICS. Production bulletin. No. 7. I. Rural industries; statistics of agricultural production for the year ended 31st March, 1965. Konedobu, 1966. 25 p. 272 P19P
- 71202 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Anuario estatistico. Volume II, Ultramar [Statistical annual. Volume II, Overseas]. Lisboa, 1965. 214 p., map. 264 F49A
Contents and table headings also in French. Agricultural and trade statistics included.
- 71203 SPAIN. SERV. DE ESTADISTICA. El producto neto de la agricultura espanola en 1964-65 [The net product of Spanish agriculture in 1964-65]. Madrid, 1965. 55 p. 263 Sp152
- 71204 TRATTNER, E., and ENACHE, V. New aspects of mathematical methods utilization in the economy of food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:75-83. 1964/65. 389.9 R86
English summary.
- 71205 TURKEY. DEVLET ISTATISTIK ENSTITUSU. Zirai bunye ve istihsal. Agricultural structure and production, 1961-1963. Turkey, Istatistik Genel Mudurlugu. Yayin 469,144 p. 1965. 269.9 St2
- 71206 U. S. CROP REPORTING BOARD. Field and seed crops: production, farm use, sales, value, by States, 1964-1965. Washington, 1966. 38 p. 1.9 Ec71Prf
- 71207 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Food balances for 24 countries of the Western Hemisphere projected 1970; supplement 1 to the World Food Budget, 1970. U. S. D. A. Foreign Agr. Econ. Rep. 19, 24 p. Nov.1964. A281.9 Ag8F

- 71208 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Indices of agricultural production for the 20 Latin American countries (plus country tables for Jamaica and Trinidad and Tobago), revised 1954 through 1964, preliminary 1965. U. S. D. A. Econ. Res. Serv. ERS-Foreign-44, rev., 26 p. Jan. 1966. A281.9 Ag83 Statistics.
- 71209 WOLOZIN, H., and LANDAU, E. Crop damage from sulfur dioxide. *J. Farm Econ.* 48(2):394-405. Ref. May 1966. 280.8 J822 Methods of estimating losses.
- BEVERAGES AND CONDIMENTS**
- 71210 ANGHEL, G., and TIRDEA, C. A contribution to the technology of manufacture of Cotnari wine. (Rum) Gradina, Via Livada 14(3):38-42. Mar. 1965. 80 G75
- 71211 AUDIDIER. Communications relative to the past agricultural season. I. Grape production and the wine market. (Fr) Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances 52(4):283-291. Feb. 16/23, 1966. 14 P215Bc Includes discussion.
- 71212 BALANESCU, G. Calcium, potassium and sodium determination in wine through flame photometry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:469-492. Ref. 1964/65. 389.9 R86 English summary.
- 71213 BALANESCU, G., SANDULESCU, C., and CRISTESCU, V. Contributions to the determination of the oxidation-reduction potential for Rumanian wines and brandies. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:375-391. Ref. 1964/65. 389.9 R86 English summary.
- 71214 BARTELS, A. M. M. Recent development in brewing. (Du) Conserva 14(8):176-178. Feb. 1966. 389.8 C7632 French summary.
- 71215 BUNKER, H. J. Wheat flour as an adjunct in brewing. *Milling* 166(20):475-476, 478. May 20, 1966. 298.8 M622
- 71216 CEYLON. TEA CONTROL DEPT. Administration report for 1964. Colombo, 1965. 53 p. 286.3689 C332 Text also in Singhalese.
- 71217 CIMPEANU, H. New possibilities of the biological stabilization of bottled wine. (Rum) Gradina, Via Livada 14(3):34-37. Ref. Mar. 1965. 80 G75 With Baycovin.
- 71218 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(419):7-48. (Cont.) Jan. 1966. 390.8 B87 Grape culture in the modern world: its objectives, its methods, its means; general report, by J. Branas. Chiefly on the wine industry in various countries.
- 71219 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(419):73-102. (Cont.) Jan. 1966. 390.8 B87 Influence of fermentation temperature and storage of wine and special wines on chemical, microbiological, and organoleptic characteristics; general report by V. Dimotaki-Kourakou.
- 71220 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(420):141-165. (Cont.) Feb. 1966. 390.8 B87 Grape culture in the modern world, its objectives, its methods, its means; general report, by J. Branas. Grape and wine industry.
- 71221 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 11, LISBON, 1965. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(420):191-122. (Cont.) Feb. 1966. 390.8 B87 Influence of temperatures of fermentation and storage of wine and special wines on their chemical, microbiological, and organoleptic characteristics; general report by V. Dimotaki-Kourakou.
- 71222 COTEA, V. Considerations on the locality and technology of manufacture of Tokay wine. (Rum) Gradina, Via Livada 14(3):67-76. Mar. 1965. 80 G75
- 71223 DEBENEDICTIS, M. E. Sanitation in chocolate manufacture. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:137-144. 1965. 44.9 N4833
- 71224 DEIBNER, L. Iodometric determination of free and bound sulfurous anhydride in wines and grapejuice after separation by nitrogen distillation and fixation in the alkaline solution. (Fr) Chim. Analyt. 48(2):66-78; (3):143-147. (Concl.) Ref. Feb.-Mar. 1966. 383 An72
- 71225 DESANA, P. The law protecting origin designations of wines and the beginning of its application. (It) Ras. Econ. Prov. Alessandria 19(1):46-57. Jan./Feb. 1966. 287 AL24
- 71226 DE SILVA, W. C. A. The importance of feeding rates in rotorvane manufacture. Ceylon. Tea Res. Inst. Tea Quart. 36(4):151-166. Dec. 1965. 68.18 C33 Processing and processing equipment.
- 71227 DIEMAIR, W., POSTEL, W., and BARY, H. DE. A 1727 Rudesheim apostle wine in modern wine analysis. (Ge) Deut. Lebensmittel-Rundsch. 61(10):302-304. Oct. 1965. 389.8 D482
- 71228 EFTIMESCU, P. A contribution to the technology of the extraction of tartaric acid from secondary products of wine industry. (Rum) Gradina, Via Livada 14(1):37-43. Jan. 1965. 80 G75
- 71229 ENACHESCU, G., and ALEXIU, A. Simple chromatographic methods of study of the fermentation of malic and lactic acids in wine. (Rum) Gradina, Via Livada 14(2):53-58. Feb. 1965. 80 G75
- 71230 ESCHNAUER, H., and TOLG, G. Contributions to the analytical chemistry of wine. XVI. Determination of hydrogen sulfide in must and wine. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(5):273-277. 1966. 384 Z39
- 71231 FARACO, D. Production cutbacks vital to agreement. *Tea Coffee Trade J.* 130(4):28-30. Apr. 1966. 68.8 T22 Bringing the economics of the coffee industry under the framework of an international policy; includes Brazilian prices and policies in its coffee industry.
- 71232 FINCKE, H., LANGE, H., and KLEINERT, J. Handbuch der Kakaoerzeugnisse [Manual of cacao products]. Ed. 2. Berlin, Springer, 1965. 579 p. Ref. TP640.F5 Includes cacao history, culture, and processing.
- 71233 GELBER, P. Improve flavor of instant coffee; coffee concentrate replaces volatile aromatics lost during manufacture. *Food Process./Marketing* [Chicago] 26(9):122-123. Sept. 1965. 389.8 F7325
- 71234 GHEORGHIU, V., and others. Research on wine stabilization with metatartaric and sorbic acid. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:339-352. Ref. 1964/65. 389.9 R86 T. Slave, M. Martin, J. Gritsch, and V. Ilescu, joint authors. English summary.
- 71235 GIL MORENO DE MORA, J. M. The "Priorto" case. (Sp) Cult. Mod. 48(11):407-408. Nov. 1965. 15 C89 Situation in the wine industry.
- 71236 HUDSON, J. R., and BIRTWISTLE, S. E. Wort-boiling in relation to beer quality. *Inst. Brewing J.* 72(1):46-50. Jan./Feb. 1966. 390.9 In7

- 71237 INSTITUTE OF BREWING. Annual report. Inst. Brewing J. 72(2):103-145. Mar./Apr. 1966. 390.9 In7
- 71238 IONESCU, A., and ROSEN, B. Some aspects concerning the use of the sorbic acid in the treatment of wine. (Rum) Indus. Aliment. 16 (11):587-589. Nov.1965. 389.8 In26
English summary, p.613.
- 71239 JACKSON, H. W. Gas chromatographic analysis of vanilla extracts. J. Gas Chromatogr. 4 (5):196-197. May 1966. 381 J8225
- 71240 KAPINGA, W. R. Cooperation in Tanzania today. Rev. Int. Coop. 59(2):72-85. Mar.1966. 280.28 In8B
Chiefly coffee marketing.
- 71241 KLEYN, J. G., and VACANO, N. L. Interrelationships between yeast cell number, size and yield during lager beer fermentation. Brewers Dig. 41(5):65-68. Ref. May 1966. 390.8 B75
- 71242 KOCH, J., and HESS, D. Analysis of brandy. II. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(5):277-284. Ref. 1966. 384 Z39
- 71243 KURSANOV, A., DZHEMUKHADZE, K., and ZAPROMETOV, M. Condensation of tea leaf catechols during oxidation. 26 p. Ref. Transl. 15282
Translation from Biokhimiya 12(5):421-436. 1947.
- 71244 MACEY, A., STOWELL, K. C., and WHITE, H. B. Use of formaldehyde for the reduction of the anthocyanogen content of wort. Inst. Brewing J. 72(1):29-35. Jan./Feb.1966. 390.9 In7
- 71245 MALYA, E. Oxidation control in grape processing. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):309-320. 1964, pub.1965. 80 B85
English summary.
Wine manufacture.
- 71246 MAXMUDOV, K. I. An increase in the vitamin P value of black tea in connection with the introduction of a new manufacturing process in the tea industry of the Azerbaijan SSR. 6 p. Ref. (TT 64-19117) Transl. 15550
Translation from Biokhimiya Chainogo Proizvodstva 9:192-195. 1962.
Issued by CFSTI.
- 71247 MONTANARI, T. The new law relative to the preparation and commerce of wines, musts, and vinegars. (It) Bull. Agr. [Milano] 100(8):1-3. Apr.30,1966. 16 B87
- 71248 MOTOC, D., and DIMITRIU, C. The action of some antibiotics on yeasts and acetic bacteria. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:393-417. 1964/65. 389.9 R86
English summary.
Alcohol yeasts.
- 71249 MOTOC, D., and SEGAL, C. B. Study of the enzymatic complex of moulds growing on grapes. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:353-363. Ref. 1964/65. 389.9 R86
English summary.
In relation to wine manufacture.
- 71250 MUHLBAUER, J. Malt solution and the degree of end fermentation of congress worts. (Ge) Monatsschr. Brauerei 18(9):217-223. Ref. Sept.1965. 390.8 B7323
- 71251 NARASIMHASWAMY, R. L. Glossary of some terms used in the processing of coffee in India. Planters' Chron. 61(8):150-155 (9):171-175. Apr.15-May 1,1966. 22 P693
- 71252 NARZISS, L. Developments in the malting and brewing industries in Germany. Inst. Brewing J. 72(1):13-24. Jan./Feb.1966. 390.9 In7
- 71253 NYKANEN, L., PUPUTTI, E., and SUOMALAINEN, H. Gas chromatographic determination of tyrosol and tryptophol in wines and beers. Inst. Brewing J. 72(1):24-28. Ref. Jan./Feb. 1966. 390.9 In7
- 71254 PINNEGAR, M. A. Automatic analysis in brewing. VII. Total amino nitrogen estimation of wort and beer. Inst. Brewing J. 72(1):62-64. Jan./Feb.1966. 390.9 In7
- 71255 PRUIDZE, G. N. Production of dry tea concentrate by means of freeze-drying. 9 p. Ref. (TT 64-13742) Transl. 15335
Translation from Akademiya Nauk SSSR. Institut Biokhimii. Biokhimiya Chainogo Proizvodstva 9:177-181. 1962.
Issued by CFSTI.
- 71256 RAMUNNI, A. Research on organic acids in grapes and wines of Campania. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:333-347. Ref. 1964/65. 105.4 P83
English summary.
- 71257 RANKINE, B. C. Sulphur dioxide in wines. Food Technol. Australia 18(3):134-135,137,139, 141. Mar.1966. 389.8 F7333
Manufacture.
- 71258 REBELEIN, H. The analytic importance of cation-anion balances in grape musts and wine. (Ge) Deut. Lebensmittel-Rundsch. 61(10):304-308. Oct.1965. 389.8 D482
- 71259 RIBEREAU-GAYON, J., and PEYNAUD, E. Nutrition of yeasts and their metabolic products. (Fr) Ann. Nutr. Aliment. 20(1,mem.orig.):1-23. 1966. 389.8 An73
Wine yeasts.
- 71260 RIEDL, O. Work in the cacao and chocolate sector. (Ge) L E (Lebensmittel Ernahr.) 18 (9):4-5. Sept.1965. 389.8 Z34
Analysis.
- 71261 SANDERSON, G. W. On the chemical basis of quality in black tea. Ceylon. Tea Res. Inst. Tea Quart. 36(4):172-182. Ref. Dec.1965. 68.18 C33
Includes flavor and aroma.
- 71262 SANDU VILLE, G., and TIRDEA, C. Content of ashes in wine of Moldavia of 1964 vintage. (Rum) Gradina, Via Livada 15(1):31-34. Jan. 1966. 80 G75
- 71263 SREEKANTIAH, K. R., and JOHAR, D. S. Suitability of Bangalore Blue grapes (Vitis Labrusca L.) for wine manufacture. Indian Food Packer 20(1):5-8. Ref. Jan./Feb.1966. 389.8 In25
- 71264 STACHOWSKI, J. K. S. A culinary seasoning from white fish meals. Food Manufacture 41 (5):43-45. May 1966. 389.8 F736
- 71265 STOICA, M., and GHEORGHIU, V. Contributions to the aging of wine distilled products for brandy. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:365-373. Ref. 1964/65. 389.9 R86
English summary.
- 71266 TAKEO, T., and URITANI, I. Tea leaf polyphenol oxidase. II. Purification and properties of the solubilized polyphenol oxidase in tea leaves. Agr. Biol. Chem. 30(2):155-163. Feb.1966. 385 Ag8B
- 71267 VERKADE, F. A. A new coffee factory plan. Kenya Coffee 31(363):101,103. Mar.1966. 68.29 C652
Includes processing and processing equipment.
- 71268 VIANI, R., and others. Phenylacetaldehyde, a constituent of black tea aroma. (Fr) Chimia 20(1):28-29. Jan.15,1966. 385 C444
F. Muggler-Chavan, L. Vuataz, D. Reymond, and R. H. Egli, joint authors.
English summary.
- 71269 WEHNER, H. G. The supply function of Ghanaian cocoa: a comment. J. Farm Econ. 48(2):467-469. May 1966. 280.8 J822
- 71270 WEJNAR, R. The biological decomposition of acid in wine. I-II. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. II, Naturwiss. 120(2):123-140. Ref. 1966. 448.3 C33
English summary.
- 71271 WICKREMASINGHE, R. L., and others. Effects of method of manufacture on the oxidation of polyphenols and chlorophylls. Ceylon. Tea Res. Inst. Tea Quart. 36(4):167-171. Dec.1965. 68.18 C33
D. Kirtisinghe, K. P. W. C. Perera, and V. H. Perera, joint authors.

- 71272 WILBAUX, R., and HAHN, D. Storage trials on several roasted and ground coffees, under vacuum and in plastic containers. (Fr) *Cafe, Cacao*, The 10(1):46-55. Jan./Mar.1966. 68.8 C112
English summary.
- 71273 WINE INSTITUTE. Thirtieth annual wine industry statistical survey. II. *Wine Inst. Bull.* 1380,14 p. Apr.29,1966. 390.9 W72
- 71274 WINE INSTITUTE. Thirtieth annual wine industry statistical survey. III. *Wine Inst. Bull.* 1384,34 p. May 20,1966. 390.9 W72
- 71275 WOOF, J. B., and PIERCE, J. S. Phenolic components of brewing materials and their relation to non-biological hazes. *Inst. Brewing J.* 72(1):40-45. Jan./Feb.1966. 390.9 In7

DAIRY PRODUCTS

- 71276 AMERICAN DAIRY SCIENCE ASSOCIATION, EASTERN DIV. Abstracts of papers, College Park, Maryland, July 20-21, 1965. *J. Dairy Sci.* 48(11):1555-1660. Nov.1965. 44.8 J822
- 71277 AMERICAN DAIRY SCIENCE ASSOCIATION, SOUTHERN DIV. Abstracts of papers, Jackson, Mississippi, February 7-9, 1966. *J. Dairy Sci.* 49(4):441-454. Apr.1966. 44.8 J822
- 71278 BEHME, G. The establishment of a firm comparison. (Ge) *Deut. Molk.-Zeitung* 87(14):507-510. Apr.7,1966. 44.8 Su2
- 71279 BERLANSTEIN, M. R. Teaching the unknown in dairy science. *Southern Dairy Prod. J.* 78 (5):68-72. May 1966. 44.8 So83
In Florida.
- 71280 BORGES, H. Outlook and problems in milk production. (No) *Meieriposten* 55(15):305-316. Apr.16,1966. 44.8 M47
- 71281 DOLGOBORODOV, I. V. Progress of dairy industry in Leningrad Region. (Rus) *Zhivotnovodstvo* 4:39-42. Apr.1966. 49 Z6
- 71282 DRAKELEY, T. J. International Dairy Federation. Roy. Ass. Brit. Dairy Farmers. *J.* 70:46-55. 1966. 44.9 B77
- 71283 HINES, F. K., and BLAKLEY, L. V. Changes, cost and potential of the cheese industry in Oklahoma. *Okla. Agr. Exp. Sta. Bull.* B-649, 20 p.,map. May 1966. 100 Ok4
- 71284 HOPPE, G. Structural change, education, professional picture. (Ge) *Molk.-Kaserei-Zeitung* 16(36):1303-1304,1306-1308,1310. Sept.8,1965. 44.8 M736
- 71285 INTERNATIONAL SYMPOSIUM: MILK AND MILK PRODUCTS IN THE WORLD FOOD SUPPLY. [Papers]. *J. Dairy Sci.* 48(11):1541-1554. Nov.1965. 44.8 J822
- 71286 JOHNSTON, J. E. Problems of producing milk around the world. *J. Dairy Sci.* 48(11):1550-1552. Nov.1965. 44.8 J822
- 71287 KOSIKOWSKI, F. V. Cheese and fermented milk foods. *Ann Arbor, Mich., Edwards Bros.*, 1966. 429 p. Ref. SF271.K6
- 71288 MARINI, E. "Toma": typical cheese of Langhe. (It) *Latte* 39(9):661-672. Sept.1965. 44.8 L35
- 71289 NIELSEN, E. W. Dairy industry in Soviet Union. (Da) *Maelkeritidende* 79(17):351-359 (Cont.) Apr.29,1966. 44.8 M26
- 71290 NORSKE MELKEPRODUSENTERS LANDS-FORBUND. Beretning [Report of the Norwegian Milk Producer's Association], 1965. Oslo, 1966. 114 p. 44.9 N817
- 71291 O'NEILL, P. Legal aspects. *Soc. Dairy Technol. J.* 19(2):82-85. Apr.1966. 44.8 So12
- 71292 RICH, G. The metric system and the dairyman. *Milk Indus.* 58(5):45-46. May 1966. 44.8 M593
In Great Britain; milk measurement.
- 71293 RISCHER, H. Structural change in the dairy industry in East Germany. *U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus.* 428:10-18. Mar.29,1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from *Die Lebensmittel-Industrie* 2:61-63. Feb.1966.
Issued by CFSTI.
- 71294 ROSSI, S. E., and HEDRICK, T. I. Study shows dairy industry needs more technically-trained plant personnel. *Amer. Dairy Rev.* 38(6):26-28,90. June 1966. 44.8 Am38
- 71295 ROTH, A. G. The history of cheese; new material from old papers. (Ge) *Schweiz. Milchzeitung* 92(25):196. (Cont.) Mar.29,1966. 44.8 Sch92
- 71296 ROTH, A. G. The history of cheese; new material from old papers. (Ge) *Schweiz. Milchzeitung* 92(28):221-222. (Cont.) Apr.8,1966. 44.8 Sch92
- 71297 SCHEUCH, F. Austria's dairy industry in the passage of time. (Ge) *Deut. Muller-Zeitung* 63(19):471. Sept.23,1965. 298.8 Su2
- 71298 SCOTT, R. Swiss study tour, 1965. *Soc. Dairy Technol. J.* 19(2):102-109. Apr.1966. 44.8 So12
- 71299 SEELEMANN, M. An eventful trip to Transvaal (South Africa) and Southwest Africa. (Ge) *Molk.-Zeitung Welt Milch* 19(36):1187,1190,1204,1206. (Cont.) Sept.10,1965. 44.8 M735
Includes description of the dairy industry.
- 71300 STIEGHAN, W., and HEDRICK, T. I. Education of dairy personnel, dairy farmers, and dairy scientists in the U.S.A. (Ge) *Molk.-Kaserei-Zeitung* 16(35):1251-1252,1254. Sept.1,1965. 44.8 M736
- 71301 VICTORIA, J. C. The dairy goat and its economic importance. (Sp) *Cult. Mod.* 49(2):67-68. Feb.1966. 15 C89
- 71302 VILLAR, A. D. First meeting on programming in dairy production (held in Villa Maria, Cordoba, December 15, 1964); basic document. (Sp) *IDIA (Inst. Nac. Tecnol. Agropecuar.)* 205:1-39. Jan.1965. 9 Id3
- 71303 WESSINGER, L. Teaching workshops as educational method. (Ge) *Molk.-Kaserei-Zeitung* 16(36):1311-1312,1314. Sept.8,1965. 44.8 M736
- 71304 YURISOV, I. YU. Economy of dairy industry and proper use of cultivated pastures. (Rus) *Zhivotnovodstvo* 4:10-14. Apr.1966. 49 Z6
In Estonia.

Analysis and Composition

- 71305 ABD EL-SALAM, M. H. The heat stability of buffaloes' milk in relation to its composition. *Indian J. Dairy Sci.* 18(3):109-111. Ref. Sept. 1965. 44.8 In28
Includes tests and influence on coagulation.
- 71306 ABO-ELNAGA, I. G., EL-SADEK, G. M., and EL-SOKARY, A. M. Clustering of fat globules in cows' and buffaloes' milk, creaming mechanism and the physical arrangement of globules in gravity cream. *Milchwissenschaft* 21(4):210-215. Ref. Apr.1966. 44.8 M5933
- 71307 ASCHAFFENBURG, R., and THYMANN, M. Simultaneous phenotyping procedure for the principal proteins of cow's milk. *J. Dairy Sci.* 48 (11):1524-1526. Ref. Nov.1965. 44.8 J822
Electrophoresis.
- 71308 BAKALOR, S. A rapid high-temperature method for determining moisture in cheese. *Australian J. Dairy Technol.* 21(1):16-19. Mar. 1966. 44.8 Au74
- 71309 BOLDINGH, J., and others. Constituents of butter fat present in the trace state. II. (Fr) *Rev. Franc. Corps Gras* 13(5):327-330. Ref. May 1966. 307.8 R32
P. H. Begemann, A. P. de Jonge, R. J. Taylor, R. Welwood, G. Lardelli, G. Dijkstra, D. Chapman, B. van der Ven, A. Verhage, and J. Clifford, joint authors.
English summary.
- 71310 CHANDAN, R. C., and SHAHANI, K. M. Role of sulphydryl groups in the activity of milk lipase. *J. Dairy Sci.* 48(11):1413-1418. Ref. Nov.1965. 44.8 J822
- 71311 CHOMAKOV, C. A study of "late" gassy fermentation of pickled cheese. *Milchwissenschaft* 21(4):215-219. Ref. Apr.1966. 44.8 M5933

- 71312 DEMAN, J. M. Partial glycerides in the fat of Cheddar cheese. *J. Dairy Sci.* 49(4):343-345. Apr.1966. 44.8 J822
- 71313 DUSEK, P., and SEDLACEK, B. A. J. Complexometric method of determination of calcium in milk. I. (Ge) *Z. Lebensmittel-Untersuchung -Forsch.* 129(5):267-272. Ref. 1965. 384 Z39
- 71314 ERAMETSA, O., and HEIKONEN, M. Determination of bromine in bovine milk by X-ray fluorescence spectrometry. *Suomen Kem. A.* 39(4):101-104. Ref. 1966. 385 Su7
- 71315 ERWIN, L. J. The copper content of butter in Victoria—the current position. *Australian J. Dairy Technol.* 21(1):10-12. Mar.1966. 44.8 Au74
- 71316 GOLAY, R. New rapid method of determining acidity of cream on arrival at the Vaud Butter Central U.L.V. (Fr) *Lait* 45(449/450):621-626. Nov./Dec.1965. 44.8 L143
English summary.
- 71317 GROSSKLAUS, D., and LEVETZOW, R. Report on standardization of determination of inhibitive material in milk and milk products. (Ge) *Berliner Munchener Tierarztl. Wochens.* 79(7):128-130. Apr.1,1966. 41.8 B45
English summary.
Includes yoghurt as test culture and methylene blue as indicator.
- 71318 GUYOT, A. L., and PIRAUX, E. F. Gas phase chromatography study of cow's milk fat; variations in fatty acid composition observed in Belgium. (Fr) *Lait* 45(449-450):603-619. Nov./Dec.1965. 44.8 L143
English summary.
- 71319 HANNI, H., and SCHMID, A. Determination of protein content of milk samples. (Fr) *Schweiz. Milchzeitung* 92(27):213-214. (Cont.) Apr.5, 1966. 44.8 Sch92
- 71320 HANRAHAN, F. P., and KONSTON, A. Properties of compressed nonfat dried milk. *J. Dairy Sci.* 48(11):1533-1535. Nov.1965. 44.8 J822
- 71321 HANSEN, P. M. T. Spectrophotometric determination of chocolate in chocolate products. *J. Dairy Sci.* 48(11):1401-1405. Nov.1965. 44.8 J822
Includes chocolate milk and ice cream.
- 71322 HEHIR, A. F., and SALTER, P. N. The relationship of Hopkirk number to direct cell count. *Australian J. Dairy Technol.* 21(1):9. Mar.1966. 44.8 Au74
In milk.
- 71323 HIRANO, S., and others. Mucopolysaccharides isolated from human and cow colostrums. *Agr. Biol. Chem.* 30(3):212-219. Ref. Mar.1966. 385 Ag8B
H. Hayashi, F. Masuda, and K. Onodera, joint authors.
- 71324 HOLDEN, T. F., and others. Seasonal variation of phospholipids and their influence on the foaming characteristics of concentrated whole milk. *J. Dairy Sci.* 49(4):346-350. Ref. Apr. 1966. 44.8 J822
N. C. Aceto, E. S. Dellamonica, and M. J. Calhoun, joint authors.
Drying.
- 71325 JAMOTTE, P. Consideration on the pH of butter and its variation in the course of storage. (Fr) *Tech. Lait.* 518:15,17. May 10,1966. 44.8 Of2
- 71326 KALAN, E. B., and BASCH, J. J. Preparation of goat beta-lactoglobulin. *J. Dairy Sci.* 49(4):406-409. Ref. Apr.1966. 44.8 J822
- 71327 KASTLI, P. What experiments have been made in controlling milk quality with the caustic soda test (Whiteside test). (Fr) *Schweiz. Milchzeitung* 92(25):197-198. Mar.29,1966. 44.8 Sch92
- 71328 KEOGH, B. P. Bacteriological problems in the condensing and drying of milk. *Food Technol. Australia* 18(3):126-127,129,131,133. Mar. 1966. 389.8 F7333
- 71329 LOANE, P. C. Influence of preliminary incubation on the methylene blue results of farm-refrigerated milks. *Queensland J. Agr. Anim. Sci.* 22(1):95-101. Mar.1965. 23 Q37
- 71330 MACDONALD, F. J. Available lysine content of dried milk. *Nature [London]* 209(5028):1134. Mar.12,1966. 472 N21
- 71331 MACI, U., and MORGANTINI, M. Research and determination of tetracycline (TC) and chlortetracycline (CTC) in milk. I. (It) *Latte* 39(5):353-355. Ref. May 1965. 44.8 L35
English summary.
- 71332 MIKOLAJCIK, E. M., REEVES, C. B., and HARPER, W. J. Efficacy of nisin as a sporicidal agent in the presence of L-alanine. *J. Dairy Sci.* 48(11):1522-1524. Nov.1965. 44.8 J822
Bacillus spores isolated from raw milk.
- 71333 MISHRA, M. A simple and rapid test for detection of skim milk powder in whole milk. *Indian Vet. J.* 43(2):160-161. Feb.1966. 41.8 In2
- 71334 MORR, C. V., and others. Method for electron microscopic examination of heated whey and ultrafiltrate systems. *J. Dairy Sci.* 49(4):403-406. Ref. Apr.1966. 44.8 J822
R. V. Josephson, E. L. Thomas, and S. P. Frommes, joint authors.
- 71335 EL-NEGOUMY, A. M. Relation of composition of the aqueous phase to oxidized flavor development by dialyzed globular milk fat. *J. Dairy Sci.* 48(11):1406-1412. Ref. Nov.1965. 44.8 J822
- 71336 NEUMAN, V., KUDELKA, E., and SINDELAROVA, K. The finding of transaminases and sorbitoldehydrogenase in wholesome milk. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med.* 38(6):349-354. June 1965. 41.9 C333
English summary.
- 71337 NIFONTOV, S. N., and SANNIKOV, E. S. Methods of preparing milk samples for bacterioscopy. (Rus) *Veterinariya* 3:113-114. Mar. 1966. 41.8 V6426
- 71338 PARKS, O. W., and others. Isolation of delta⁷-cholesten-3-one from butterfat. *Nature [London]* 210(5034):416-417. Apr.23,1966. 472 N21
D. P. Schwartz, M. Keeney, and J. N. Damico, joint authors.
- 71339 PARRY, R. M., CHANDAN, R. C., and SHAHANI, K. M. Rapid and sensitive assay for milk lipase. *J. Dairy Sci.* 49(4):356-360. Apr.1966. 44.8 J822
- 71340 PRUI, B. R., MURARI, K., and TOTEJA, K. K. Studies on stability of protein dispersion in milk. I. Ethanol stability. *Indian J. Dairy Sci.* 18(3):112-114. Sept.1965. 44.8 In28
- 71341 RITTER, W. Determination of traces of copper in cream. (Ge) *Schweiz. Milchzeitung* 92(25):200. Mar.29,1966. 44.8 Sch92
- 71342 ROSE, D., and COLVIN, J. R. Internal structure of casein micelles from bovine milk. *J. Dairy Sci.* 49(4):351-355. Ref. Apr.1966. 44.8 J822
- 71343 SCHNEIDER, R., and JASPER, D. E. Modification of interpretation of microscopic cell counts for application to screening of bulk tank milk samples. *J. Dairy Sci.* 48(11):1450-1454. Nov.1965. 44.8 J822
- 71344 SCORFESCU, G. Research for obtaining nisinogen strains of *Streptococcus lactis* in view of inhibiting the action of anaerobic sporogenic bacteria in melted cheese. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:305-313. Ref. 1964/65. 389.9 R86
English summary.
- 71345 TOKITA, F. Peptides as amino acid sources for growth of lactic acid bacteria. *Milchwissenschaft* 21(4):220-222. Ref. Apr.1966. 44.8 M5933
- 71346 WINKELMANN, F. Coordination of standardization operations in the field of milk research in Germany. (Ge) *Deut. Molk.-Zeitung* 87(16):594-595. Apr.21,1966. 44.8 Su2

- 71347 ZITTLE, C. A. Precipitation of casein from acidic solutions by divalent anions. *J. Dairy Sci.* 49(4):361-364. Apr.1966. 44.8 J822

Consumption and Utilization

- 71348 BULLERMAN, L. B., and BERRY, E. C. Use of cheese whey for vitamin B₁₂ production. I-III. *Appl. Microbiol.* 14(3):353-360. Ref. May 1966. 44.8.3 Ap5
- 71349 HOWELER-COY, J. F. Homogenized milk—the key to improved school milk consumption. *Australian J. Dairy Technol.* 21(1):13-15. Mar.1966. 44.8 Au74
- 71350 SCHMIDT, G. H. To meet consumer demands; changing the composition of milk. *Dairymen's League News* 50(10):6. May 18,1966. 44.8 D1432
- 71351 THOMPSON, J. C. Variability of fluid milk consumption and its relationship to radionuclide intake. *Radiol. Health Data Rep.* 7(3):139-144. Ref. Mar.1966. 151.65 R11

Distribution, Marketing, and Transportation

- 71352 APLIN, R. D. The dairy situation. *U. S. Agr. Stab. Conserv. Serv.* [Rep. State ASCS Conf. Vermont] 1965:14-23. A281.9 V59
Milk marketing orders in Vermont.
- 71353 BERGE, J. Why the Finmark dairies have not joined the dairy organizations? (No) *Meieriposten* 55(15):326-328. Apr.16,1966. 44.8 M47
Milk marketing.
- 71354 BURNS, I. The emerging dominance of marketing boards concerns OMDA [Ontario Milk Distributors Association]. *Can. Food Indus.* 37(1):23-25. Jan.1966. 286.83 C166
Includes regulation.
- 71355 THE DAIRY industry should promote better reporting of milk consumption and sales. *Amer. Dairy Ass. Publ. Relat. Tips. Dairyman* 6(3):1-3. Mar.1966. 281.3449 Am3
- 71356 DAIRYMEN'S COOPERATIVE ASSOCIATION 1965. Complete summary of sales and other statistical data year—1965. n.p., 1965. 14 p. 280.2449 D14
- 71357 HONOMICHL, J. J. Building sales through marketing research. *Ice Cream Rev.* 49(10):33,36. May 1966. 389.8 Ic22
- 71358 HUWE, K. H. Berlin—a barometer of the Federal German butter market. (Ge) *Molk.-Kaserei-Zeitung* 16(39):1473-1474. Sept.29,1965. 44.8 M736
- 71359 JOHNSON, S. Balancing supplies with sales in fluid milk markets. *J. Dairy Sci.* 49(4):414-418. Apr.1966. 44.8 J822
- 71360 JOHNSTON, H. K. Interstate milk shipments program report. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 39:93-94. 1965. 44.9 N4833
Coordinating regulations in distribution.
- 71361 KORTHAUER, E. Experiences in the advertising of dairy products. (Ge) *Deut. Molk.-Zeitung* 87(15):555-557. Apr.14,1966. 44.8 Su2
- 71362 MANSHOLT, S. L. Thoughts on a unified milk market in the European Economic Community. (Ge) *Molk.-Kaserei-Zeitung* 16(36):1287-1293. Sept.8,1965. 44.8 M736
- 71363 MIZZAU, A. The dairies of Friuli and current market problems. (It) *Udine. Cam. Com. Indus. Agr. Boll. Uffic.* (n.s.)20(1):23-32. Jan.1966. 287 Ud5
- 71364 NEW ZEALAND, MILK BOARD. Twelfth annual report and statement of accounts for the year ended August 31, 1965. Wellington, 1966. 58 p. 280.3449 N482
- 71365 ROSS, B. "Drinka pinta milka day" is target for UK dairies. *Butter-fat* 43(2):4-5. June/July 1965. 44.8 B98
- 71366 SANDLER, J. Sales opportunities in the ice cream industry. *Ice Cream Field Trade J.* 148(8):38,44,46. May 1966. 389.8 Ic2

- 71367 SLATTER, W. L. Problems in the handling and distribution of milk and milk products around the world. *J. Dairy Sci.* 48(11):1553-1554. Nov.1965. 44.8 J822

- 71368 SPETTIGUE, H. T. What must the industry do to cope with changes in distribution? *Can. Dairy Ice Cream J.* 45(5):38-39. May 1966. 44.8 C162
- 71369 STAMER, H. The marketing of milk and dairy products—current problems. (Ge) *Deut. Molk.-Zeitung* 87(16):604-606. (Cont.) Apr.21, 1966. 44.8 Su2
- 71370 ULREY, O. The cooperative, an agency for rural development; the Kaira District Cooperative Milk Producer's Union, Ltd., Anand, Gujarat State, India. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 42,49 p. Ref. Mar.1966. 281.9 M5842
- 71371 U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. Federal milk order market statistics; annual summary for 1965. *U. S. D. A. Statist. Bull.* 374,102 p.,map. May 1966. 1 Ag84 St
- 71372 WECKEL, K. More product development needed to maintain share of food market. *Mod. Milk Hauler* 6(5):3. Mar.1966. 280.38 M72
Dairy products promotion.
- 71373 WILLIAMS, S. W. Private-label dairy products in food stores. *Amer. Dairy Rev.* 38(6):32,34, 36,38. June 1966. 44.8 Am38

Grading, Inspection, Standardization, and Quality

- 71374 ANDERSON, D. F., and DAY, E. A. Quantitation, evaluation, and effect of certain microorganisms on flavor components of Blue cheese. *J. Agr. Food Chem.* 14(3):241-245. Ref. May/June 1966. 381 J8223
- 71375 BANDLER, D. K. Legislative report. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 39:107-109. 1965. 44.9 N4833
Regulation of dairy products in New York.
- 71376 COLVIN, C. H. Legal aspects of sterile milk and milk products. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 39:167-168. 1965. 44.9 N4833
Dried milk.
- 71377 DUIVEN, J. E. Cooking taste in milk. (Du) *Conserva* 14(8):181. Feb.1966. 389.8 C7632
French summary.
Includes processing to eliminate it.
- 71378 FENTON, F. E. A proposal for state conformity. *Ice Cream Field Trade J.* 148(8):42,44,46. May 1966. 389.8 Ic3
Standards for raw materials.
- 71379 GJERDE, R. Cheese quality in 1965. (No) *Meieriposten* 55(19):416-419. May 14,1966. 44.8 M47
- 71380 GOODMAN, J. H. Soft serve needs standards. *Ice Cream Field Trade J.* 148(9):50,53. June 1966. 389.8 Ic2
Milk shakes and other mixes.
- 71381 GRAF, T. There will be only one milk grade. *Mod. Milk Hauler* 6(6):8,17. Apr.1966. 280.38 M72
- 71382 GRILL, H., PATTON, S., and CONE, J. F. Aroma significance of sulfur compounds in surface-ripened cheese. *J. Dairy Sci.* 49(4):409-413. Ref. Apr.1966. 44.8 J822
- 71383 HANSEN, R. Automatic, electronic check weighing of mechanically packed butter with servo "feed back" system. (Da) *Nord. Mejeri-Tidsskr.* 32(3):74-75. 1966. 44.8 N752
- 71384 HOHL, N. J. The 1965 pasteurized milk ordinance. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 39:169-175. 1965. 44.9 N4833
- 71385 JANZEN, J. J. Quality of the raw milk supply in South Carolina. *S. C. Agr. Exp. Sta. Tech. Bull.* 1021,16 p. Ref. Dec.1965. 100 So8T
- 71386 JOHNS, C. K. Are plant fieldmen necessary? *Can. Dairy Ice Cream J.* 45(5):28-30. May 1966. 44.8 C162
Milk inspection and grading.

- 71387 KAY, H. DLG quality testing 1965 for ice cream. (Ge) Molk.-Kaserei-Zeitung 16(35):1255-1257. Sept.1,1965. 44.8 M736
- 71388 KEESTRA, F. The third lustrum of Goveka. (Du) Misset's "Zuivel" 71(35):764-766. Aug.31,1965. 44.8 N282
Cheese judging at Gouda.
- 71389 NELSON, J. A., and TROUT, G. M. Judging dairy products. Ed. 4, rev. Milwaukee, Olsen, 1964. 463 p. Ref. SF253.N4
- 71390 PEREZ, W. Y. What a state rating officer looks for in rating supplies under United States Public Health Service code. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:177-181. 1965. 44.9 N4833
Milk inspection, includes farm management.
- 71391 PLACE, A. R. Classification and pricing of sterile milk under marketing orders. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:161-165. 1965. 44.9 N4833
- 71392 REIPURTH, E., and NIELSEN, J. Automatic weighing in and out of milk in dairies. (Da) Nord. Mejeri-Tidsskr. 32(3):59-61. 1966. 44.8 N752
- 71393 ROBERTS, J. E., and BARNES, G. Insecticide guide for milk producers. Ark. Univ. Ext. Leaflet. 319, rev., 6 p.-folder. Jan.1966. 275.29 Ar4Le
- 71394 ROEPER, J. Quality payment of milk in the Netherlands. (Ge) Molk.-Kaserei-Zeitung 16(39):1467-1468. Sept.29,1965. 44.8 M736
- 71395 SATTNER, M. DLG butter testing in winter was a surprise. (Ge) Deut. Molk.-Zeitung 87(14):510-513. Apr.7,1966. 44.8 Su2
- 71396 TUOMAINEN, L. The disadvantages of antibiotics in dairy industry. (Fi) Suomen Eläinlääkäri-lehti 72(3):107-112. Mar.1966. 41.8 F49
- 71397 U. S. ATOMIC ENERGY COMMISSION. HEALTH AND SAFETY LABORATORY. Radiostrontium in milk, January-December 1964. Radiol. Health Data 6(6):319-320. June 1965. 151.65 R11
- 71398 U. S. PUBLIC HEALTH SERV. DIV. OF RADIOLOGICAL HEALTH. Application of radionuclide concentrations in milk to intake guides, March 1964-February 1965. Radiol. Health Data 6(6):321-323. June 1965. 151.65 R11
- 71399 WILLIAMS, S. W., and VOSE, D. A. Extent and significance of private-label brands of ice cream and milk. J. Dairy Sci. 49(4):418-419. Apr.1966. 44.8 J822
- 71400 WILLINGHAM, J. J. What about federal standards for frozen desserts? Ice Cream Field Trade J. 61(10):32,41. Oct.1965. 389.8 Ic2
Ice cream labeling.
- 71401 WITT, J. M., and others. Contamination of milk from different routes of animal exposure to DDT. J. Dairy Sci. 49(4):370-380. Ref., p.379-380. Apr.1966. 44.8 J822
F. M. Whiting, W. H. Brown, and J. W. Stull, joint authors.
- 71402 WRIGHT, E. O. One "bad apple" can spoil the whole tank load of milk. Hoard's Dairyman 111(10):656. May 25,1966. 44.8 H65
- 71407 KALKSCHMIDT, J. Advances and changes in the packing of milk and dairy products. (Ge) Fette, Seifen, Anstrichmittel 68(5):405-406. Ref. May 1966. 384 C422
- 71408 MOL, J. J., and STADHOUDERS, J. New possibilities of packing cheese in films. (Du) Ned. Zuivelbond. Off. Orgaan 57(38):788-791. Sept.22,1965. 44.9 AL3
- 71409 STEHLE, G. Modern packing system of a modern plant. (Ge) Deut. Molk.-Zeitung 87(16):595-596. Apr.21,1966. 44.8 Su2
- 71410 VOSS, E. Testing of butter in consumer packages. (Ge) Verpackungs-Rundsch. 16(3):250, 252,254,256. Mar.1965. 280.38 V592
- 71411 WHITE, J. C. Proposed guidelines for single service containers. Amer. Dairy Rev. 38(6):44,48,101. June 1966. 44.8 Am38
Sanitation of containers.
- Prices, Price Control, and Rationing
- 71412 EKMAN, J. Increase minimum deduction for delivery milk. (Sw) Var Naring 42(8):196. 1965. 44.8 M692
Chiefly prices.
- 71413 HALSE, M. Pricing practices for increased milk production. Indian Dairyman 18(3):89-90,95-97,99,101-104,107-108. Mar.1966. 44.8 In282
Based on processing costs.
- 71414 IRWIN, G. D. Milk production allotment and Class I base plans, Michigan dairy farms. Mich. State Univ. [Ext.] Agr. Econ. Rep. 3,42 p. Mar.1965. 281.9 M5842
Price controls.
- 71415 MILLER, R. H. Milk prices and USDA programs. U. S. D. A. Econ. Res. Serv. DS-310:25-34. May 1966. 1.9 Ec7Ds
- 71416 SVENDSEN, K. Increase in consumer milk sales—decrease in milk for butter. (Sw) Var Naring 42(4):110. 1965. 44.8 M692
Prices.
- 71417 ANQUEZ, M. A., and TIERSONNIER, M. The cooling of milk in farms. (Fr) Rev. Agr. France 42:23-24. July 1965. 14 R326
- 71418 ASHTON, T. R. The processing and aseptic packaging of sterile milk in the United Kingdom. Australian J. Dairy Technol. 21(1):23-37. Mar.1966. 44.8 Au74
- 71419 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. DIV. OF DAIRY RESEARCH. Annual report, 1964-65. Melbourne, 1965. 41 p. Ref. 44.9 Au75
- 71420 BABBAR, I. J., and others. Microbial rennet substitutes—a review. Indian J. Dairy Sci. 18(3):89-95. Ref. Sept.1965. 44.8 In28
R. A. Srinivasan, S. C. Chakravorty, and A. T. Dudani, joint authors.
In cheese manufacture.
- 71421 BEINOGLU, B., and others. Preliminary investigation on the changes in the physico-chemical constants and microbiological flora of sheep milk in relation to low temperature storage. (Gre) Delt. Agrotikes Trapezes 146:4-10. Sept./Oct.1965. 21.7 D38
K. Exarhos, G. Kalatzopoulos, and N. Stamelos, joint authors.
English summary.
- 71422 BENGTTSSON, G. Automation in milk plants. (Sw) Nord. Mejeri-Tidsskr. 32(3):47-51. 1966. 44.8 N752
- 71423 BERGER-GRUNER, M. Variations of the riboflavin and niacin content during the manufacture of Trappist cheese. (Ge) Milchwissenschaft 21(4):222-225. Ref. Apr.1966. 44.8 M5933
English summary.
- 71424 BOUDREAU, A., RICHARDSON, T., and AMUNDSON, C. H. Spray-dried butter and loss of volatile fatty acids during spray drying. Food Technol. 20(5):100-103. May 1966. 389.8 F7398
- Packing and Packaging
- 71403 CONOCHIE, J. The detection of leaks in the seals of rindless cheese packs. Australian J. Dairy Technol. 21(1):20-21. Mar.1966. 44.8 Au74
- 71404 CONOCHIE, J., and SUTHERLAND, B. J. The effect of relative humidity on the oxygen permeability of cheese packaging films. Australian J. Dairy Technol. 21(1):19-20. Mar.1966. 44.8 Au74
- 71405 EDDY, C. L. The future of the all-plastic milk container. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:145-148. 1965. 44.9 N4833
- 71406 GENIN, G. American opinion on the use of plastic bottles for retail selling of milk. (Fr) Lait 45(449/450):637-642. Nov./Dec.1965. 44.8 L143

- 71425 BOYD, N., and WATERS, R. Let's use dry milk. Ga. Univ. Ext. Circ. 556, 4 p. Mar. 1966. 275.29 G29C
- 71426 BRISSENDEN, C. H., and SHEPHEARD, G. E. Refrigeration in the dairy industry. (Extr.) Mod. Refrig. 69(818):413-416, 455. May 1966. 295.8 M72
- 71427 BUNDES-LEHR-UND VERSUCHSANSTALT FÜR HARTKASEREI. Festschrift zur feierlichen Einweihung und Eröffnung des neuen Betriebsgebäudes [Publication celebrating the festive dedication and opening of the new plant of the Federal Educational and Research Institution for Hard Cheese Manufacture]. Wolfpassing, Verein der Förderer der Wissenschaftlichen Versuchstätigkeit der Milchwirtschaftlichen Bundesanstalten Wolfpassing und Rotholz, 1965. 48 p. (Milchwirtschaftliche Berichte aus den Bundesanstalten Wolfpassing und Rotholz, spec. ed. B) 44.8 M5998
- 71428 CHINTESCU, G., and SOLOMON, E. Research regarding the use of the method of milk fermentation in large recipients for the manufacture of acid milk products. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrările 7:283-293. 1964/65. 389.9 R86
- 71429 CIOFFI, R. The use of glucose syrup in industrial ice cream manufacture. (It) Latte 39(5):360-363. Ref. May 1965. 44.8 L35
- 71430 COMPAIRE FERNANDEZ, C. Study of Ulloa cheese. 2. (Sp) Rev. Espan. Leche. 59:3-23. Mar. 1966. 44.8 R325
Manufacture and composition.
- 71431 COWELL, G. R., KOBURGER, J. A., and WEESE, S. J. Storage of lactic streptococci. I. J. Dairy Sci. 49(4):365-369. Apr. 1966. 44.8 J822
Starters.
- 71432 COWMAN, R. A., and SPECK, M. L. Activity of lactic streptococci following storage at refrigeration temperatures. J. Dairy Sci. 48(11):1441-1444. Ref. Nov. 1965. 44.8 J822
- 71433 COWMAN, R. A., and SPECK, M. L. Ultra-low temperature storage of lactic streptococci. J. Dairy Sci. 48(11):1531-1532. Nov. 1965. 44.8 J822
Starters.
- 71434 CRAWFORD, R. J. M. Developments in the technology of dairy products. Roy. Ass. Brit. Dairy Farmers. J. 70:27-32. Ref. 1966. 44.9 B77
- 71435 DAVIS, J. G. Technical aspects. Soc. Dairy Technol. J. 19(2):85-101. Ref. Apr. 1966. 44.8 S012
Includes discussion.
- 71436 DIXON, B. D., ERWIN, L. J., and NEFF, E. Observations on the continuous neutralization of cream by "Robotrol" control. Australian J. Dairy Technol. 21(1):6-9. Mar. 1966. 44.8 Au74
- 71437 EDNEY, K. L. A rot of Conference pears caused by *Mucor strictus* (Hagem). In February. Plant Pathol. 14(4):189-190. Dec. 1965. 464.8 P692
- 71438 EISENREICH, L. A noteworthy variation of the Riedmüller-Weber (Aichstetten) curd division process for preparation of accurately measured pieces in soft cheese manufacture. (Ge) Deut. Milk.-Zeitung 87(16):592-593. Apr. 21, 1966. 44.8 Su2
- 71439 EVAPORATED MILK ASSOCIATION. EMA annual report, 1964. Chicago, 1964. 26 p. 44.9 Ev1A
- 71440 GUALBA, C. The production of casein. (Sp) Cult. Mod. 49(2):63. Feb. 1966. 15 C89
- 71441 HAKANSSON, H. Tank truck collection also in Denmark. (Sw) Var Naring 42(10):274. 1965. 44.8 M692
- 71442 HANSEN, R. Pasteurization and cooling of Cottage cheese and Cream cheese. (Da) Nord. Mejeri-Tidsskr. 32(3):63-64. 1966. 44.8 N752
Equipment.
- 71443 HEHIR, R. F. Thermal sensitivity of single strain starters. Australian J. Dairy Technol. 21(1):5. Mar. 1966. 44.8 Au74
- 71444 HINES, F. K., and BLAKLEY, L. V. Costs of manufacturing cheese in Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-531, 35 p. Ref. Apr. 1966. 100 Ok4M
- 71445 INSA PESQUERA, T. Nisin; its use, determination, and toxicity in sterilized milk. (Sp) Rev. Espan. Leche. 59:25-41. Mar. 1966. 44.8 R325
- 71446 JOHNSON, W. J. B. Transmission and control of liquids in dairy industry. (Fr) Quebec Lait. Aliment. 25(5):18-20. May 1966. 44.8 Q3
Cleaning.
- 71447 KALRA, M. S., and NAMBU DRIPAD, V. K. N. Evaluation of some common dairy sanitizers using capacity test. Indian J. Dairy Sci. 18(3):115-118. Ref. Sept. 1965. 44.8 In28
- 71448 KEOGH, B. P., and PETTINGILL, G. Long-term storage of bacteriophages of lactic streptococci. Appl. Microbiol. 14(3):421-424. May 1966. 448.3 Ap5
Streptococcus lactis, *S. cremoris* and *S. diacetylactis* used as starters in cheese manufacture.
- 71449 KREDIET, P. Sieving and washing in the continuous manufacture of butter. (Du) Misset's "Zuivel" 71(24):550-551. June 15, 1965. 44.8 N282
- 71450 KULJT, H. C. Automatic cleaning in place of milk tank assemblies. (Da) Nord. Mejeri-Tidsskr. 32(3):67-70. 1966. 44.8 N752
- 71451 LANG, F., and LANG, A. Mechanisation in the manufacture of goats' milk cheese. Milk Indus. 58(5):24-25, 28. May 1966. 44.8 M593
- 71452 MANN, E. J. Review of some aspects of dairy research and development. Roy. Ass. Brit. Dairy Farmers. J. 70:35-45. Ref. 1966. 44.9 B77
- 71453 MARTIN, R. L. Control of flavor in sweetened dairy products. (Sp) Indus. Lacteas 15(5):12-15. May 1966. 286.85 In83
Ice cream and beverages.
- 71454 MAS RIERA, J. New technique in milk processing. (Sp) Cult. Mod. 49(4):142-143. Apr. 1966. 15 C89
Sterilized and acidified.
- 71455 MCDERMOTT, T. G. Demineralized whey developed for ice cream. Ice Cream Field Trade J. 148(8):78. May 1966. 389.8 Ic2
- 71456 MIKOLOJCIK, E. M. Antibiotic influence on arginine desiminase activity by *Streptococcus lactis*. J. Dairy Sci. 48(11):1445-1449. Nov. 1965. 44.8 J822
- 71457 MURTHY, G. K. Removal of iodine¹³¹ from milk. J. Dairy Sci. 48(11):1429-1435. Nov. 1965. 44.8 J822
- 71458 PISANU, S. Action of thiabendazole in milk fermentation and cheese making. (It) Latte 39(7):519-521. July 1965. 44.8 L35
- 71459 POULSEN, N. Automation of cheese production. (Da) Nord. Mejeri-Tidsskr. 32(3):78-79. 1966. 44.8 N752
- 71460 POULSEN, P. R., and HANSEN, K. Undersøgelser vedrørende konsummaelkens homogenisering. Investigations concerning homogenization of market milk. Denmark. Stat. Forsøgsmejeri. Beretn. 150, 48 p. 1965. 44.9 D414
English summary.
- 71461 RUSSELL, K. N. Research and the dairy farmer. Roy. Ass. Brit. Dairy Farmers. J. 70:11-15. 1966. 44.9 B77
- 71462 SCHANDL, J. For cleaner sheep's milk. (Hu) Magyar Mezőgazdaság 21(14):18. Apr. 6, 1966. 19 M27
- 71463 SCHOPPET, E. F., and others. Continuous vacuum drying of whole milk foam. J. Dairy Sci. 48(11):1436-1440. Ref. Nov. 1965. 44.8 J822
N. C. Aceto, R. K. Eskew, J. C. Craig, and T. F. Holden, joint authors.

- 71464 SCHULZ, M. E. Scientific and technical aspects the German dairy industry. Soc. Dairy Technol. J. 19(2):70-81. Apr.1966. 44.8 S612 Includes discussion.
- 71465 SIRKIK, V. Technical progress in the whole-milk industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 71: 1-4. Dec.28,1964. (JPRS 27,991) 173 J663Tro In processing.
Translation from Molochnaya Promyshlennost' 9:1-3. Sept.1964.
Issued by CFSTI.
- 71466 SNUDDEN, B. H., CALBERT, H. E., and FRAZIER, W. C. Preparation of two-strain lyophilized cultures. J. Dairy Sci. 48(11):1528-1531. Ref. Nov.1965. 44.8 J822
Dairy product starters.
- 71467 SOLOMON, E., SCORTESCU, G., and BILBIE, V. The production of some dairy products with lactic bacteria resistant to antibiotics. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7: 295-303. Ref. 1964/65. 389.9 R86
English summary.
- 71468 SURKOV, V., and SHMIDT, G. Centrifuging of the bacteria constituting the microflora of milk. 10 p. Ref. Transl. 14462
Translation from Molochnaya Promyshlennost' 22(2):31-34. 1961.

Processing and Storage

- 71469 SYRRIST, G. Some simplifications of product yield calculations for cheese. (No) Meieriposten 55(16):337-344. (Cont.) Apr.23,1966. 44.8 M47
- 71470 SYRRIST, G. Some simplifications of product yield calculations for cheese. (No) Meieriposten 55(17):377-383. (Cont.) Apr.30,1966. 44.8 M47
- 71471 SYRRIST, G. Some simplifications of product yield calculations for cheese. (No) Meieriposten 55(18):395-399. (Cont.) May 7,1966. 44.8 M47
English summary.
- 71472 TOBIAS, J. Improve the image of your ice cream. Ice Cream Field 86(3):62,64-65. Sept. 1965. 389.8 Ic23
Manufacture.
- 71473 TOMA, C., and others. Research regarding the influence of perhydrol treatment on milk. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7: 315-326. Ref. 1964/65. 389.9 R86
E. Meleghe, A. Constantinescu, and A. Iordachescu, joint authors.
English summary.
- 71474 WILSON, H. K. Plotting ice cream profits. Ice Cream Field Trade J. 148(8):22,25,28,30. May 1966. 389.8 Ic2
Study of prices in relation to cost.

Statistics

- 71475 BAUER, O. Statistical methods on the production and use of milk in the German Federal Republic. (Ge) Statist. Office Europe. Communities. Statist. Inform. 1:5-78. 1966. 280.9 St25I
English summary.
- 71476 CANADA. BUR. OF STATISTICS. Dairy statistics 1965. Ottawa, 1966. 23 p. 253 C334D
- 71477 JUERS, L. E., and MCMILLAN, A. Michigan dairy plants; changes in size, numbers, and products produced, 1950 and 1963. Mich. State Univ. [Ext.] Agr. Econ. Rep. 4,18 p. Mar. 1965. 281.9 M5842
Statistics.
- 71478 MILK INDUSTRY FOUNDATION. Milk facts; 1965 edition. Washington, D.C., 1965. 30 p. 281.344 M592
- 71479 QUEBEC. BUR. OF STATISTICS. Dairy statistics 1965. Quebec, 1966. 14 p. 253.8 St2St
Text also in French.

- 71480 U. S. CROP REPORTING BOARD. Milk production, disposition, and income, 1964-65, by G. G. Butler and K. D. Ackers. Washington, 1966. 16 p. 1.942 D22F22

FEED AND FORAGE CROPS

- 71481 ANDREEV, V. V. Production of grass meal in France. (Rus) Zhivotnovodstvo 4:85-89. Apr. 1966. 49 Z6
- 71482 BACOVA, M., and ZELINKA, J. Composition of amino acids of different varieties of feed yeasts. (Cz) Biologia [Bratislava] 21(3):210-212. 1966. 442.8 B5265
German summary.
- 71483 BARKER, E. A challenge for the industry: better communications. Feedstuffs 38(18):48-50. May 7,1966. 286.81 F322
- 71484 BESEDA, I. and CASNOCHA, E. Volumenometric determination of urea in feed. (Cz) Veterinarstvi 16(2):77. 1966. 41.8 V6439
- 71485 BIRNSTIEL, E. Bulk transportation of mixed feeds. (Ge) Deut. Muller-Zeitung 63(20):498, 500-501. Oct.7,1965. 298.8 Su2
- 71486 BIRNSTIEL, E. Bulk transportation of mixed feeds—the type of transportation of the future. (Ge) Muhle 102(38):722,725-726. Sept.23,1965. 298.8 M89
- 71487 BLOOM, D., and GEHRT, A. J. Nitrodan in feeds. Ass. Offic. Anal. Chem. J. 49(2):310-311. Apr.1966. 381 As7
Anthelmintic determination.
- 71488 BREYMAIER, H. Hay wafering—a process with a future? (Ge) Mitt. Deut. Landwirt.-Ges. 81(15):630,632. Apr.14,1966. 18 N39
- 71489 CARDON, B. P. Conditioning grains for livestock feeding. Feedstuffs 38(19):42-43. May 14,1966. 286.81 F322
- 71490 DAY, C. L., and PANDA, H. H. Effect of moisture content, depth of storage and length of cut on bulk density of alfalfa hay. Amer. Soc. Agr. Eng. Pap. 811,26 p. 1965. 290.9 Am32P
- 71491 DE MAN, J. Volume and quality of feed concentrates. (Se) Vetserum 13(9/10):350-354. 1965. 41.8 V6459
- 71492 GEHRT, A. J. Ultraviolet spectrophotometric method for ronnel in feeds. Ass. Offic. Anal. Chem. J. 49(2):318-325. Apr.1966. 381 As7
- 71493 GILBERT, R. W., and SCHARF, S. S. Inspection of commercial feeds. R. I. Agr. Exp. Sta. Feed. Circ., Sept.1965,64 p. 100 R34S
- 71494 HART, G. T. Feed grain program. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:51-54. A281.9 V59
- 71495 HINSHAW, K. Cornage a great new automated feedstuff made with wet corn. Agway Coop. 2 (6):16-17. June 1966. 280.28 Ag9
- 71496 HORACEK, L. Nauka o surovinach [Feed technology science]. Praha, Statni Zemedelske Nakladatel'stvi, 1966. 201 p. S585.H6
Includes composition of field crops.
- 71497 KALIVODA, M. New trends in the analysis of vitamins soluble in lipids. (Se) Vetserum 13 (9/10):366-369. 1965. 41.8 V6459
Carotenoids, tocopherol and vitamin K₁ in feed.
- 71498 KELLEY, H. What do feed men have to do to stay in business? Feedstuffs 38(18):148. May 7,1966. 286.81 F322
- 71499 KERKES, GY. Initial steps in supplying production cooperatives with feed concentrates. (Hu) Magyar Mezogazdasag 21(19):18. May 11, 1966. 19 M27
- 71500 LINDBERG, A. Roughage as hay wafers. (Sw) Var Naring 42(10):280-281,292-293. 1965. 44.8 M692
- 71501 LOCUSSOL, L. Grinding in the manufacture of compound feed. (Fr) Econ. Agr. 1:59-63. Jan. 1966. HD1945.A1E2
- 71502 MARYLAND INSPECTION SERV. Vitamin A analyses. Md. Insp. Serv. Bull. 276,7 p. Dec. 1965. 276 M36Q
In feed.

- 71503 MASANSKER, Z. Observations on the regulation of capacity of feed industry in Yugoslavia. (Se) *Vetserum* 13(9/10):376-382. 1965. 41.8 V6459
- 71504 MERCER, R. Feed dilemma remains unsolved in Winnipeg. *Can. Milling Feed* 47(5):12-15. May 1966. 298.8 C162
Industry in general.
- 71505 MIJATOVIC, N. Importance of specialized enterprises in the industry of feed concentrates. (Se) *Vetserum* 13(9/10):344-346. 1965. 41.8 V6459
- 71506 MILIC, B., and others. Destruction of beta-carotene in alfalfa at various technologies of preliminary processing and drying. (Se) *Sto-carstvo* 19(11/12):473-482. Ref. Nov./Dec. 1965. 43.8 St6
N. Vucurevic, S. Vajagic, and M. Vlahovic, joint authors.
English summary.
Feed.
- 71507 MUKHERJEE, R., and BHAMBRI, S. C. How to spot adulterated poultry feed. *Indian Farming* 15(10):19. Jan.1966. 22 In283
- 71508 NEW MEXICO DEPT. OF AGRICULTURE, DIV. OF INSPECTION. New Mexico commercial feed report, June 30, 1965. University Park, 1965. 49 p. S93.A4
Includes analysis.
- 71509 PEDERSEN, H. Cooperation in grain research. (Da) *Danske Dyrslaegerfor. Medlemsbl.* 49(7): 273-276. Apr.1,1966. 41.9 D23
Chiefly feed grain quality.
- 71510 PRATT, E. L., and AUERBACH, M. E. Raceo-phenidol in feed. *Ass. Offic. Anal. Chem. J.* 49(2):329-332. Apr.1966. 381 As7
Determination.
- 71511 SCHNEIDER, B. H. Establishing a feed manufacturing enterprise in a foreign country. 1. *Feed Age* 16(5):26-29, map. May 1966. 389.78 F327
Pakistan.
- 71512 SCHONHUTH, O., PEON, R., and KUNSTLER, G. Fodder yeast produced from Eucalyptus sulfite waste liquor. (Ge) *Papier* 20(4):171-173. Apr.1966. 302.8 P1934
English summary.
- 71513 SCHULTZ, R. Problems of the process of disintegration in mixed feeds. (Ge) *Muhle* 102 (58):715-718, 721. Ref. Sept.23,1965. 298.8 M89
- 71514 SEVCIK, V. Problems of the technology of feed production. (Se) *Vetserum* 13(9/10):347-349. 1965. 41.8 V6459
- 71515 SILIN, A., and PRAVDIN, V. Some statistical data on the cost of fodder. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 200:17-25. July 1,1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from *Vestnik Statistiki* 12:12-17. Dec.1964.
- 71516 SKIRDE, W. Contribution to the methodology of quantitative nectar analysis in red clover. 2. 16 p. Ref. *Transl.* 14466
Translation from *Zeitschrift fur Acker- und Pflanzenbau* 113(2):165-180. 1961.
- 71517 SOUHRADA, J., and FRCEK, F. Cost of the storage of the ensiled hay and forage plants. (Cz) *Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Zemedel. Tech.* 38(8/9):527-537. Aug./Sept.1965. 58.9 C333
- 71518 STONE, L. R. Furazolidone and nitrofurazone in feeds. *Ass. Offic. Anal. Chem. J.* 49(2):325-328. Apr.1966. 381 As7
Determination.
- 71519 STOSIC, D., and others. Determination of the degree of homogenization of multigrédient feed mixtures with the radioactive phosphorus in a modern Yugoslav feed enterprise. (Se) *Savremena Poljoprivreda* 13(11):923-930. Nov.1965. 21 P75
A. Filip, Z. Babic, Z. Radosavljević, B. Pantic, V. Hristic, and M. Marjanovic, joint authors.
English summary.
- 71520 SZALKOWSKI, C. R. Thiabendazole in feeds. *Ass. Offic. Anal. Chem. J.* 49(2):312-317. Apr. 1966. 381 As7
Determination.
- 71521 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The 1966 Feed Grain Program; a general explanation prepared especially for Agricultural Stabilization and Conservation committeemen. U. S. D. A. PA-688, 12 p. Dec.1965. 1 Ag84Pro
- 71522 VAJAGIC, S., and VLAHOVIC, M. Study of leaves and crowns of sugar beets as raw material for dehydration. (Se) *Savremena Poljoprivreda* 13(6):543-549. June 1965. 21 P75
English summary.

FIBERS AND TEXTILES

- 71523 ACLAND, J. Attack is the best defence. *Wool [Palmerston North]* 4(3):3-6. 1965/66. 45.8 W887
Wool outlook.
- 71524 ANDERSON, R. F. Costs of assembling and ginning cotton in Georgia related to size of gin. *Ga. Agr. Exp. Sta. Bull.* (n.s.)153, 35 p., map. Mar.1966. 100 G293B
- 71525 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Statistical bulletin: wool production and utilization, No. 13, 1964-65. Canberra, 1966. 16 p. 271 Au72St
- 71526 BIRONG, E. Permanent press—new fabric finish. *Progr. Agr. Ariz.* 18(1):22. Jan./Feb. 1966. 6 P9452
- 71527 BLANCHARD, E. J., KULLMANN, R. M. H., and REID, J. D. Improving the strength of wash-wear cotton fabrics. *Textile Indus.* 130 (5):169,171,175,177,179. Ref. May 1966. 304.8 C823
Includes processing.
- 71528 BRENY, H. Preliminary note for the eventual standardization of nomenclature of fiber length parameters. (Fr) *Ann. Sci. Textiles Belg.* 1: 118-123. Mar.1966. 304.8 An72
- 71529 BUCK, G. S. "Durable press"—a new vista for cotton. *Cotton Trade J. Int. Edition* 1966 (automation No.):160-162. 72.8 C8214I
- 71530 BURKE, G. M., SCOTT, M. C., and HALL, C. R. Equity among members of cotton gin co-operatives. *N. Mex. Agr. Exp. Sta. Bull.* 501, 16 p., map. 1965? 100 N465
- 71531 BUTTERWORTH, J. H. Quality control from the point of view of the bleacher and finisher. *Textile Inst. Indus.* 4(4):96-97. Apr.1966. 304.8 T3133
- 71532 BYLANDER, E. G. Industry's thinking must be ahead of the customers' present needs. *Cotton Dig.* 38(37):10. May 14,1966. 286.82 C822
- 71533 CANADA. BUR. OF STATISTICS, INDUSTRY, DIV. Cordage and twine industry, 1964. Ottawa, 1966. 17 p. (Annual Census of Manufacturers) 253 C335Cor
- 71534 CANDLER, W. Some thoughts on wool price fluctuations. *Wool [Palmerston North]* 4(3):21, 23,25,27,29. 1965/66. 45.8 W887
- 71535 CHANDRAMATHI, P. S., and NARASIMHAN, A. The role of Superior Cottons Certification Scheme in the marketing of improved varieties of cotton in Madras State. *Madras Agr. J.* 52 (2):64-67. Feb.1965. 22 M262
- 71536 CHAPPELOW, F. E. Ring spinning in the condenser trade. *Textile Manufacturer* 92(1096): 131-133. Apr.1966. 304.8 T3126

- 71537 CHATTERJEE, K. K., and SAHA, P. K. Recent work on batching oil substitutes. Textile Manufacturer 92(1097):186-188. May 1966. 304.8 T3126
In spinning of jute and mesta.
- 71538 COTTON RESEARCH CLINIC, 17, PINEHURST, N. C., 1966. Proceedings. Textile Bull. 92(5): 44-61. (Concl.) May 1966. 304.8 So82
- 71539 COTTON Trade Journal, international edition 1966; the automation number. Memphis. Tenn., 1966. 183 p. 72.8 C82141
Chiefly textiles.
- 71540 CRAWFORD, R. B. Industry cannot exist without combination of effort by management, labor, machines. Cotton Dig. 38(37):14. May 14, 1966. 286.82 C822
Chiefly about baling.
- 71541 CROUT, F. G. Warehouse Act: World War 1 was spark that ignited action for licensed, bonded warehouses. Cotton Dig. 38(37):12,26. May 14, 1966. 286.82 C822
U. S. Warehouse Act.
- 71542 DORSET, B. C. M. Some new techniques in dyeing and finishing. Textile Manufacturer 92 (1096):153-157. Apr. 1966. 304.8 T3126
Includes wool bleaching and fiber processing.
- 71543 ELMGREN, H. New methods for viscose analysis, and some simplified equations for the characterization of cellulose xanthate. Svensk Papperstidn. 69(7):225-231. Ref. Apr. 15, 1966. 302.8 Sv2
Cotton.
- 71544 GATTERMAYER, R. Productivity zooms in Italian mills. Cotton Trade J. Int. Edition 1966(automation No.):104-105,111-112. 72.8 C82141
Automation of spinning equipment.
- 71545 GATZ, W. L. Warehouse industry must give serious consideration to automation techniques. Cotton Dig. 38 (37):24-25. May 14, 1966. 286.82 C822
- 71546 GIRSHGORN, M. S., and KHAL'KOVSKIY, N. V. Prospects for developing chemical fibers and using them in light industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:59-68. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Includes natural fibers.
Translation from Tekstil'naya Promyshlennost 11:5-11. 1964.
Issued by CFSTI.
- 71547 GRAHAM, J. S. Fiber properties: effect on draft. Textile Indus. 130(5):140-142,228. May 1966. 304.8 C823
- 71548 HARDIN, R. Warehousemen to play key role in success or failure of cotton program operation. Cotton Dig. 38(38):9,16. May 21, 1966. 286.82 C822
- 71549 HART, G. T. Wool program. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:49-50. A281.9 V59
- 71550 HARTEN, A. VAN, and HARTEN, K. VAN. Study on the effect of fiber length on the behavior of cotton during industrial processing. (It) Riv. Tessile 42(2):45-63. Ref. Feb. 1966. 304.8 R52
- 71551 HUDSON, J. F., and COCHEBA, D. J. Costs of cotton lint and cottonseed shipments from gins to warehouses and oil mills in Louisiana. La. Agr. Exp. Sta. Bull. 605, 52 p., map. Dec. 1965. 100 L93
- 71552 INOUE, K., and OKAJIMA, S. Studies on lowering of swelling degree of rayon. XIII. X-ray investigation of heat-treated rayons. 19 p. Ref. Transl. 14452
Translation from Society of Textile and Cellulose Industries, Japan. Journal 19(2):113-119. 1963.
- 71553 JACKSON, R. C. Toward progress together. Textile J. Australia 41(4):14-15, 23, 26, 28. Apr. 1966. 304.8 T3134
History and activities of cotton industry in the U.S.
- 71554 JAYASANKAR, N. P., and BHAT, J. V. Isolation and properties of catechol-cleaving yeasts from coir rets. Antonie van Leeuwenhoek J. Microbiol. Serol. 32(2):125-134. Ref. 1966. 448.8 N28A
- 71555 JENKINS, E. L. An assessment of costs and capital of a reserve price scheme for Australian wool. Australia. Bur. Agr. Econ. Wool Econ. Res. Rep. 7, 82 p. Dec. 1964. 281.9 Au73Wo
- 71556 KASPAREK, J. Yarn regularity on a new Czechoslovak spinning system. Textile Manufacturer 92(1096):134-136. Apr. 1966. 304.8 T3126
Cotton.
- 71557 KEMPNER, H. L. Unshackling American cotton. Cotton Trade J. Int. Edition 1966 (automation No.):20-21, 123. 72.8 C82141
- 71558 KLEINERT, T. N. Cotton degradation by sodium borohydride in alkaline cooking at 180° C. Holzforschung 20(2):43-45. Ref. Apr. 1966. 99.8 H74
- 71559 KRAUSE, H. W. Bale mixing on the basis of digital fibrograph analysis. (Ge) Melliand Textilber. 47(4):370-375. Apr. 1966. 304.8 T312
Cotton.
- 71560 LEONCHIK, B. I., DANILOV, O. L., and USTINOVA, E. T. Selection of methods for drying sized non-woven fabrics. (Rus) Tekstil'naya Promysh. 1:55-59. 1965. 304.8 T23
Cotton.
Abstracted in Ref. Zh. Khim. 19(sect.S):124. Oct. 1965. 241.64 R252
- 71561 LOHMER, H. J. Trends in the development of teasing in the past hundred years. (Ge) Melliand Textilber. 47(4):429-433. Apr. 1966. 304.8 T312
- 71562 LORENZANA, R. Philippines mill activity slowed by importations. Cotton Trade J. Int. Edition 1966(automation No.):157-158, 167. 72.8 C82141
Spinning industry.
- 71563 LOUIS, G. L., and FLORI, L. A. Relationships among fiber properties, yarn properties and end breakage: a progress report on medium staple cottons. Textile Bull. 92(5):45-46, 48-49, 52-53. May 1966. 304.8 So82
- 71564 MANI, R. S. Tight supply inflates Indian cotton prices. Cotton Trade J. Int. Edition 1966 (automation No.):136, 144. 72.8 C82141
- 71565 MARINOTTI, F. Utilization of Arundo donax for autarchic production of inert cellulose for rayon. 8 p. Transl. 15549
Translation from Chimica 17(7):349-355. 1941.
- 71566 MARSH, J. T. Carbamates for crease recovery. Textile Manufacturer 92(1097):205-206. May 1966. 304.8 T3126
In cotton.
- 71567 MCCALL, E. R., MILES, S. H., and O'CONNOR, R. T. Frustrated multiple internal reflectance spectroscopy of chemically modified cottons. Amer. Dyestuff Rep. 55(11):31-35. May 23, 1966. 306.8 Am3
Textiles.
- 71568 MEERT, K. Experiences with the digital fibrograph in cotton spinning. (Du) Tex 25(4):222-226. Apr. 1966. 304.8 T3195
- 71569 MOORE, V. P. Cotton gin automation will lower costs and help maintain quality. Cotton Trade J. Int. Edition 1966(automation No.):50-51, 60. 72.8 C82141
- 71570 ONE-PRICE cotton: impact on agriculture. Fed. Reserve Bank Richmond. Mon. Rev., May 1966:8-10. 284.8 F31R
- 71571 ONE-PRICE cotton: the textile industry. Fed. Reserve Bank Richmond. Mon. Rev., May 1966: 2-5, 12. 284.8 F31R
- 71572 PEELER, G. B., and COOK, C. V. Some observations on high production cotton carding. Textile Bull. 92(5):57-61. May 1966. 304.8 So82

- 71573 PRIKOSOVITS, R. W. A ginner talks about preserving quality. Cotton Gin Oil Mill Press 67(6):7-8,32. Mar.12,1966. 304.8 C822
- 71574 PUTIEV, U. N., NIKONOVICH, G. V., and TASHPULATOV, U. Investigation of degree of order in various cellulosic preparations. 10 p. Transl. 15207
From cotton, flax and ramie.
Translation from Uzbekskaa Khimicheskii Zhurnal 8(1):75-81. 1964.
- 71575 RADIONOV, V. A shortage of wool accompanied by an overstock. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:105-107. Mar.31,1965. (JPRS 29,357) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 50:29. Dec.1964.
Issued by CFSTI.
- 71576 RAHMAN, H. Product testing in relation to machine performance in cotton spinning. Pakistan Textile J. 17(1):13-18. Jan.1966. 304.8 C825
- 71577 ROCAMORA, F. Spain's mills automate slowly. Cotton Trade J. Int. Edition 1966 (automation No.):102-103. 72.8 C8214I
Spinning.
- 71578 SAO PAULO, BOLSA DE MERCADORIAS. Relatorio da diretoria, contas, documentos e parecer da comissao fiscal, assembleia geral ordinaria de março de 1966 [Management report, accounts, documents, and opinion of the fiscal commission, general ordinary assembly of March 1966]. Sao Paulo, 1966. 287 B663
Data on the cotton industry.
- 71579 SCHICK, E. Partial automation of spinning mills is West German goal. Cotton Trade J. Int. Edition 1966(automation No.):84-86,173. 72.8 C8214I
- 71580 SCHNITTKER, J. A. Winning back U.S. markets. Cotton Trade J. Int. Edition 1966 (automation No.):18-19. 72.8 C8214I
Domestic and foreign cotton marketing.
- 71581 SERYAKOV, I. The need for procurement quality control. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57:11-15. Jan.6,1965. (JPRS 28,145) 173 J663Tso
Flax and hemp industry.
Translation from Ekonomicheskaya Gazeta 40:32. Oct.1964.
Issued by CFSTI.
- 71582 SHANKLIN, E. H., SEMRAU, K., and LAFERNEY, P. E. Comparative effects of an experimental and a conventional seed cotton drying system on cotton fiber properties. U. S. D. A. Marketing Res. Rep. 733,11 p. Apr.1966. 1 Ag84Mr
- 71583 SIEGL, R. Automation in cotton spinning, its progress and present position. Pakistan Textile J. 16(11):47-49,52-60,62,64-65. Nov.1965. 304.8 C825
- 71584 SMITH, L. Permanent press of cotton articles. (Fr) Indus. Coton. Franc. 47(5):14-15,17. (Cont.) May 1966. 286.3729 Sy7
- 71585 SOUTH AFRICAN WOOL COMMISSION. Annual report, 1963/1964. Johannesburg, 1965. 16 p. 281.3459 So84A
Prices.
- 71586 SOUTH AFRICAN WOOL TEXTILE RESEARCH INSTITUTE. Annual report, 1964/65. Grahamstown, 1965. 38 p. Ref. (CSIR Special Report No. Wol 1) 304.9 So83
Text also in Afrikaans.
Fiber research included.
- 71587 STALTER, N. J. Polyester/cotton blends: bring need for improved bleaching process. Mod. Textiles Mag. 47(6):24-27. June 1966. 304.8 R21
- 71588 STEWART, I. J. Pile fabric yarns and the Mackie system of spinning. Textile Manufacturer 92(1097):180-183. May 1966. 304.8 T3126
- 71589 SUSTMANN, C. Vegetable matter in worsteds. (Fr) Ann. Sci. Textiles Belg. 1:39-67. Mar. 1966. 304.8 An72
English summary.
- 71590 TANZANIA. LINT AND SEED MARKETING BOARD. Report and accounts for the year ended 30th June, 1965. Dar es Salaam, 1965. 40 p. 280.3729 T15
- 71591 TAWA, Y. Japanese pioneer automated spinning. Cotton Trade J. Int. Edition 1966 (automation No.):150-151,153-154. 72.8 C8214I
- 71592 TSAPRALIS, C. Greece planning expansion of irrigated cotton. Cotton Trade J. Int. Edition 1966(automation No.):108-109. 72.8 C8214I
- 71593 U. S. CONSUMER AND MARKETING SERV. COTTON DIV. STANDARDS AND TESTING BR. Annual cotton quality survey; summary of results of fiber and processing tests from selected production areas, crop of 1965. U. S. D. A. Agr. Inform. Bull. 309,121 p.,map. Apr.1966. 1 Ag84Ab
Includes statistics, fiber properties, and spinning performance.
- 71594 USMANOV, KH. U., and KHAKIMOV, KH. Heats of wetting of cotton cellulose and cellulose hydrate in water and aqueous solutions of electrolytes. 3 p. Transl. 15043
Translation from Akademiya Nauk Uzbekskei SSR. Doklady 7:39-40. 1961.
- 71595 WEBER, R. A. The preparation of wool for market. Wool [Palmerston North] 4(3):59. 1965/66. 45.8 W887
- 71596 WEINER, J., and BYRNE, J. Flameproofing. Appleton (Wis.) Inst. Pap. Chem. Bibliogr. Ser. 185(sup.1),121 p. 1965. 241.4 Ap5
Includes a section on textiles.
- 71597 WITS, G. H. Progress made in measuring of fiber properties. Cotton Trade J. Int. Edition 1966(automation No.):32-33,121. 72.8 C8214I
- 71598 WOLFSON, R. Packaging therapy for the cotton bale. Cotton Dig. 38(37):11,27. May 14, 1966. 286.82 C822
- 71599 WOOL INDUSTRIES RESEARCH ASSOCIATION. Fundamental investigations of the chemical structure of wool-type proteins (keratins); a study of the penetration into keratins of charged molecules to gain a knowledge of fibre structure that may lead to improved wool fibres of uniformly high quality; final report. Leeds, Engl., 1965? 2 v. QD431.W6
Project No. UR-E29-(20)-11; Grant No. FG-UK-117-60.
J. A. Medley, principal investigator.
- 71600 WOOL INDUSTRIES RESEARCH ASSOCIATION. Report of the Director of Research for 1965. Leeds, 1966. 43 p. 304.9 W88R
- 71601 ZAHN, H., KUNITZ, F. W., and MEICHEL-BECK, H. Die irreversible Aggregierung cystinhaltiger Proteine durch Thioetherbildung [The irreversible aggregation of cystine-containing proteins through formation of thioethers]. Aachen. Technische Hochschule. Deutsches Wollforschungsinstitut. [Schr.] 47,42 p. Ref. 1965. 45.9 D48
Includes wool keratin.
- FRUITS, VEGETABLES, AND NUTS**
- 71602 ADAMS, J. A. And now the State takes a look at the California grape industry. Wines Vines 47(5):14-15,18. May 1966. 95.8 C122
- 71603 BAGBY, J. Make pecans shell out cash. Auburn Univ. Ext. Circ. P-44,10 p.,map. Oct. 1965. 275.29 AL14Cp
Industry.
- 71604 BARRATT, B. Fruit and vegetable; legislation, labour, marketing major barriers to sound progress. Can. Food Indus. 37(1):44-46. Jan. 1966. 286.83 C166
Ontario Food Processors Association.
- 71605 BERNAZ, G., and UNGUREANU, M. New centers of the grape culture on the map of Rumania. (Rum) Gradina, Via Livada 15(1):27-30. Jan.1966. 80 G75
- 71606 BRITISH SOLOMON ISLANDS PROTECTION. DEPT. OF AGRICULTURE. The coconut industry, 1965. Honiara, 1966. 24 p. HD9259.C58B7
Copra.

- 71607 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Office Int. Vigne Vin. Bull. 39(420):166-180. (Cont.) Feb.1966. 390.8 B87
Hill culture of grapes; Portuguese report by A. Paptista; Luxembourg report by N. Kieffer.
- 71608 CORDOBA V., J. A. The guava. (Sp) Soc. Antioquena Agr. Bol. Agr. 534:9796-9803. (Concl.) Dec.1964. 9.4 Sol
Industry in Colombia.
- 71609 EBNER, F. Die schweizerische Kartoffelwirtschaft im Verhältnis zur Europäischen Wirtschaftsgemeinschaft [The Swiss potato industry in relation to the European Economic Community]. Aarau, Keller, 1965. 124 p. HD9235.P82S9
- 71610 FERRAO, J. E. M. Tropical fruit culture; points to contemplate on the culture, technology, and marketing of the pineapple. (Por) Gaz. Agr. Angola 11(2):813-817. Feb.1966. 24 G252
- 71611 JUSCAFRESA, B. Apple culture in Spain. (Sp) Cult. Mod. 49(4):135-136. Apr.1966. 15 C89
Industry.
- 71612 JUSCAFRESA, B. Fruit culture, one of the most profitable branches. (Sp) Cult. Mod. 48(12):446-447. Dec.1965. 15 C89
- 71613 KRAUSE, O., and others. Zur Ökonomie der Kartoffelproduktion [Economics of potato production]. Berlin, Deutscher Landwirtschaftsverlag, 1965. 201 p. HD9235.P8K7
H. Rauschenbach, G. Ruhlmann, H. Knaack, and O. Wegner, joint authors.
Includes the industry in the world and the DDR, costs, farm management and outlook.
- 71614 MCCARTY, C. D. Notes on Sicilian citrus. Calif. Citrogr. 51(7):268,287-290. May 1966. 80 C125
Industry; includes culture.
- 71615 MICALE, A. The function of the citrus industry at the present moment of Italian citrus culture. (It) Conserve Deriv. Agrumari 14(4):162-164. Oct./Dec.1965. 389.8 C7622
- 71616 MILLER, C. D., BAZORE, K., and BARTOW, M. Fruits of Hawaii; description, nutritive value, and recipes. Ed. 4. Honolulu, Univ. Hawaii Press, 1965. 229 p. Ref. TX397.M5
- 71617 MONTANER ESTEVE, J. Present and future of the orange problem. (Sp) Cult. Mod. 49(3):105-106. Mar.1966. 15 C89
Industry.
- 71618 RECASENS, L. DE. Late table grape. (Sp) Cult. Mod. 49(1):17-19. Jan.1966. 15 C89
Industry.
- 71619 ROGERS, H. In Salinas: wary confidence; industry moves ahead with new programs. Prod. Marketing 9(5):21-22,25-26. May 1966. 280.38 P943
Vegetable industry.
- 71620 SINGH, D. Crash programme for more fruits and vegetables. Indian Farming 15(7):29-31. Oct.1965. 22 In283
- 71621 SOMOS, A., and TURI, I. Principles for the optimum location of early vegetable production. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):19-21. 1964, pub.1965. 80 B85
English summary.
- 71622 SPERONI, H. Programming of the INTA [National Institute of Agricultural Technology, Instituto Nacional de Tecnologia Agropecuario] on citrus; basic document of the meeting of April 12 in Corrientes. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 208:38-48. Apr.1965. 9 Id3
Review of the industry and its history.
- 71623 STANCIU, G. Achievements of the culture of vegetables in 1964 and production problems for the year 1965. (Rum) Gradina, Via Livada 14(2):4-11. Feb.1965. 80 G75
- 71624 VOLANTI, U. The tomato for industry. (It) Ital. Agr. 103(4):383-395. Ref. Apr.1966. 16 It1
Various aspects of the industry, including varietal research and production costs.
- Analysis and Composition
- 71625 BOSCH, H., and MODI, A. On the sodium and potassium content of fresh and canned mushrooms with special attention to the analysis of repacked salted products. (Ge) Indus. Obst-Gemuseverwertung 51(9):261-265. May 5,1966. 389.8 K832
- 71626 BRIZA, K., and CINDRIC, E. A method for the determination of the skin weight ratio in examining the texture of grapes. (Se) Savremena Poljoprivreda 13(5):437-442. May 1965. 21 P75
English summary.
- 71627 DAVIDSON, A. W. Collaborative study of a rapid method for multiple chlorinated pesticide residues in small fruits. Ass. Offic. Anal. Chem. J. 49(2):468-472. Apr.1966. 381 As7
- 71628 DRAPER, W. Effect of carbohydrate degradation upon browning and corrosion in canned applesauce. Diss. Abs. 26(10):5971. Apr.1966. 241.8 M58
- 71629 GAUL, J. Collaborative study of a method for multiple chlorinated pesticide residues in leafy and cole-type vegetables. Ass. Offic. Anal. Chem. J. 49(2):463-467. Apr.1966. 381 As7
- 71630 GUNTHER, F. A. Automates pesticide analysis. Food Eng. 38(5):106,108. May 1966. 389.8 F737
For biphenyl residues on citrus fruit.
- 71631 GUTSCHMIDT, J. On the quality test of deep frozen peas. (Ge) Kaltetechnik 18(5):196-199. Ref. May 1966. 295.8 K123
English summary.
- 71632 HEINTZE, K. Research on the vitamin P-effective flavonoid compounds and their importance in plant foods. (Ge) Deut. Lebensmittel-Rundsch. 61(10):309-311. Ref. Oct.1965. 389.8 D482
Fruit and vegetables.
- 71633 HEINZ, D. E. Studies on the volatile components of Bartlett pears. Diss. Abs. 26(10):5694. Apr.1966. 241.8 M58
- 71634 HUGGART, R. L., BARRON, R. W., and WENZEL, F. W. Evaluation of Hunter citrus colorimeter for measuring the color of orange juices. Food Technol. 20(5):109-111. Ref. May 1966. 389.8 F7398
- 71635 HULTIN, H. O., SUN, B., and BULGER, J. Pectin methyl esterases of the banana; purification and properties. J. Food Sci. 31(3):320-327. Ref. May/June 1966. 389.8 F7322
- 71636 IKEMIYA, M., and DEOBALD, H. J. New characteristic alpha-amylase in sweet potatoes. J. Agr. Food Chem. 14(3):237-241. Ref. May/June 1966. 381 J8223
- 71637 JOHNSON, D. P., and STANSBURY, H. A. Determination of Temik residues in raw fruits and vegetables. Ass. Offic. Anal. Chem. J. 49(2):399-403. Apr.1966. 381 As7
- 71638 JOHNSON, D. P., and STANSBURY, H. A. Determination of Tranid residues in fresh fruits, vegetables, and cottonseed. Ass. Offic. Anal. Chem. J. 49(2):403-406. Apr.1966. 381 As7
- 71639 KAFFEZAKIS, J. G., and HARRIS, H. The bacteriology of pasteurized refrigerated fruit products. Can. Food Indus. 37(1):42. Jan. 1966. 286.83 C166
- 71640 KAKADE, M. L., and EVANS, R. J. Chemical and enzymatic determinations of available lysine in raw and heated navy beans (Phaseolus vulgaris). Can. J. Biochem. 44(5):648-650. Ref. May 1966. 470 C16E

- 71641 KRAUSE, R. T. Collaborative study of a method for multiple chlorinated pesticide residues in nonfatty vegetables. Ass. Offic. Anal. Chem. J. 49(2):460-463. Ref. Apr.1966. 381 As7
Aldrin, DDE, and Methoxychlor.
- 71642 MATTUS, G. E. Mechanical thumb tests of apple firmness. Amer. Soc. Hort. Sci. Proc. 87:100-103. Dec.1965. 81 So12
- 71643 MINCIONE, B., and MANZIU, C. Prospects of using the Isabella grape. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:349-356. Ref. 1964/65. 105.4 P83
English summary.
Composition and suggested use for juice.
- 71644 PALMIERI, F. Cation content and market characteristics of industrial tomatoes (*Solanum lycopersicum*); interspecific variations. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:185-208. Ref. 1964/65. 105.4 P83
English summary.
Composition.
- 71645 PAINTER, J. H., and RAESE, J. T. Mineral content of walnut (*Juglans regia* L.) hulls, shells, and kernels. Amer. Soc. Hort. Sci. Proc. 87:226-228. Dec.1965. 81 So12
- 71646 PRIBELA, A., and SCHUNOVA, V. Chromatographic determination of organic acids in the fruit. (Cz) Biologia [Bratislava] 21(3):183-193. Ref. 1966. 442.8 B5265
German summary.
- 71647 QUOILIN, J. Determination of Diazinon residues in roots of chicory witloof by two different techniques of micro-bioassay. (Fr) Gembloux. Inst. Agron. Bull. 33(3):405-412. Ref. 1965. 105.1 G285
English summary.
- 71648 ROTMAN, Y., and FIELDS, M. L. Structure of spores of rough and smooth variants of *Bacillus stearothermophilus* with special reference to their heat resistance. J. Food Sci. 31(3):437-440. Ref. May/June 1966. 389.8 F7322
In vegetables.
- 71649 RYAN, C. A. Chymotrypsin inhibitor I from potatoes: reactivity with mammalian, plant, bacterial, and fungal proteinases. Biochemistry 5(5):1592-1596. Ref. May 1966. 381 B523
- 71650 SAKAMURA, S., SHIBUSA, S., and OBATA, Y. Separation of a polyphenol oxidase for anthocyanin-degradation in eggplant. J. Food Sci. 31(3):317-319. Ref. May/June 1966. 389.8 F7322
- 71651 SEVENANTS, M. R. Studies on certain volatile compounds from peaches. Diss. Abs. 26(10):5704. Apr.1966. 241.8 M58
- 71652 STEVENS, K. L., and others. Volatiles from grapes: Muscat of Alexandria. J. Agr. Food Chem. 14(3):249-252. May/June 1966. 381 J8223
J. Bomben, A. Lee, and W. H. McFadden, joint authors.
- 71653 TAVERNA, G. Tomato metabolites with acid function; glutamic and aspartic acid. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:495-502. Ref. 1964/65. 105.4 P83
English summary.
Chromatography.
- 71654 TERANISHI, R., and others. Flavor chemistry: gas chromatographic, infrared, proton magnetic resonance, mass spectral, and threshold analysis of all pentyl acetates. J. Agr. Food Chem. 14(3):253-262. May/June 1966. 381 J8223
R. A. Flath, D. G. Guadagni, R. E. Lundin, T. R. Mon, and K. L. Stevens, joint authors.
Fruit volatiles.
- 71655 VAN DEN BERG, L. Frost content in retail packages of frozen vegetables. Food Can. 26(5):37-38. May 1965. 389.8 F7323
- 71656 VERTREGT, N., and PANNEBAKKER, E. G. Estimation of chlorogenic acid in potatoes. Wageningen. Inst. Biol. Scheikundig Onderz. Landbouwgewassen. Meded. 280/295:117-119. 1965. 60.9 W123
- 71657 WATSON, E. L. Stress-strain and creep relationships of pectin gels. J. Food Sci. 31(3):373-380. Ref. May/June 1966. 389.8 F7322
- 71658 WHITE, R. A. J., and ALBAN, E. K. Comparisons of the fruit composition of some Ohio tomato varieties during fall 1964 and spring 1965. Ohio. Agr. Res. Develop. Center. Res. Sum. 8:27-29. Apr.1966. 100 Oh3Rs
Greenhouse culture; includes quality.
- 71659 WHITFIELD, F. B., and SHIPTON, J. Volatile carbonyls in stored unblanched frozen peas. J. Food Sci. 31(3):328-331. Ref. May/June 1966. 389.8 F7322
- 71660 WONG, F. F., and CARSON, J. F. Flavor compound: isolation of S-methyl methionine sulfonium salt from fresh tomatoes. J. Agr. Food Chem. 14(3):247-249. Ref. May/June 1966. 381 J8223
- 71661 YOKOYAMA, H., and WHITE, M. J. Citrus carotenoids. IV. The isolation and structure of sintaxanthin. J. Org. Chem. 30(11):3994-3996. Nov.1965. 381 J827
From a trigeneric hybrid Sinton citrangequat (*Citrus sinensis* X *Poncirus trifoliata* X *Fortunella margarita*).
- 71662 ZUBECKIS, E. Hydroxymethylfurfural in Canadian apple juice. Can. J. Plant Sci. 46(2):125-128. Ref. Mar.1966. 450 C16

Distribution, Marketing, and Transportation

- 71663 AUSTRALIAN DRIED FRUITS ASSOCIATION. The A.D.F.A. and dried fruits marketing; a memorandum of the establishment, growth and marketing activities and the development of Commonwealth marketing with particular reference to the constitutional difficulties of creating a Commonwealth statutory marketing board. Melbourne, 1965. 64 p. HD9258.A82A8
- 71664 BRANN, F. O. P. The Outspan Organisation—a sophisticated approach to marketing. I. S. Afr. Citrus J. 387:21-22,24. Mar.1966. 80 C495
Includes trade.
- 71665 BUCKLIN, H. A. New promotion coming soon—Pecan Plantation Pageant. Peanut J. Nut World 45(7):30-32. May 1966. 77.8 P313
- 71666 CHACE, W. G., and others. Factors affecting the quality of grapefruit exported from Florida. U. S. D. A. Marketing Res. Rep. 739,21 p. Ref. Mar.1966. 1 Ag84Mr
P. L. Harding, J. J. Smoot, and R. H. Cubbedge, joint authors.
Handling during transportation.
- 71667 CHEN, C. C. An analysis of the supply-demand-price structure of onions in the United States. Diss. Abs. 26(10):5758-5759. Apr. 1966. 241.8 M58
- 71668 DELOACH, D. B., and MIKLIUS, W. Selected operating practices of firms hauling exempt commodities out of California. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-3,16 p. Apr. 1966. 275.29 C12f
Giannini Foundation of Agricultural Economics, cooperating.
Motortruck transportation of fruit and vegetables.
- 71669 FLORIDA CITRUS COMMISSION. Annual report 1964-1965. Lakeland, 1965. 45 p. 280.3939 F66
- 71670 GLASSCOCK, M. R. Fruit and vegetable marketing. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:38-39. 275.29 AL1Su
Extension programs.
- 71671 HAIDACHER, R. C. Estimation of transportation charge relationships for frozen vegetables. Giannini Found. Agr. Econ. Res. Rep. 287,86 p. May 1966. 281.9 G34M
- 71672 HELMBERGER, P. G., and HOOS, S. Cooperative bargaining in agriculture; grower-processor markets for fruits and vegetables. Berkeley, Univ. Calif. Div. Agr. Sci., 1965. 234 p. HD9006.H4
Bibliography, p.203-223.

- 71673 MILLER, B. Early grapes: new kind of Coa-chella confidence. *Prod. Marketing* 9(5):36,38. May 1966. 280.38 P943
Marketing.
- 71674 NYEKES, I. Fruit and vegetable marketing in Hamburg. (Hu) *Gazdalkodas* 10(2):88-89. Apr. 1966. 281.8 G25
- 71675 RICKS, D. J. Economic relationships in red tart cherry marketing, 1947-1964. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 11,52 p. June 1965. 281.9 M5842
Statistics.
- 71676 RODICHEV, S. Difficulties in supplying fruits and vegetables. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 116:5-9. May 9, 1966. (JPRS 35,380; TT 66-31816) 173 J663Tro
Translation from *Sel'skaya Zhizn'*, Mar. 12, 1966:2.
Issued by CFSTI.
- 71677 STAUNING, A. What is the purpose of the home market regulation for apples and pears? (Da) *Erhvervsfrugtavlere* 32(11):428-429. Nov. 1, 1965. 80 Er3
- 71678 WRIGHT, H. Potato production in the San Luis Valley of Colorado. *Crop Comments* 20(2):6. Mar./Apr. 1966. 57.8 C88
Chiefly marketing.
- 71679 YAKOVLEV, V. N. Pravovoe regulirovanie gosudarstvennykh zagotovok fruktov i vinograda [Regulations for governmental purchasing of fruit and grapes]. Kishinev, Kartya Moldovenyaske, 1965. 165 p. HD9255.U412

Grading, Inspection, Standardization, and Quality

- 71680 AMMON, R. Toxicity of thioacetamide. (Ge) *Ernahr.-Umsch.* 12(8):225-226. Aug. 1965. 389.8 Er66
Used for control of orange decay.
- 71681 ECHANDI, R. J. An organoleptic and chemical investigation of the linguachemaceric properties of onion (*Allium cepa* L.) and garlic (*Allium sativum* L.). *Diss. Abs.* 26(10):5632-5633. Apr. 1966. 241.8 M58
- 71682 FEASEY, I. E. Walnuts—a warning. *Health [Wellington]* 17(4):11. 1965. 449.8 H342
In drinking water.
- 71683 GARCIA PALACIOS, A. Commercial maturity of fruits and vegetables. (Sp) *Tierra [Mexico]* 21(3):189,288-289. Mar. 1966. 8 T445
Apple and grape characteristics.
- 71684 HUGHES, J. C., and EVANS, J. L. Studies on after-cooking blackening in potatoes. *Int. Congr. Food Sci. Technol. Proc., 1st Congr., v.2:31-40.* 1962, pub. 1965. TP368.I5
- 71685 LOTT, R. V. The quality, color, and keepability characteristics of a low-acid Jonared apple sport. *Amer. Soc. Hort. Sci. Proc.* 87:47-54. Ref. Dec. 1965. 81 So12
- 71686 MORY, R. Fruit juice standards on the international level. (Ge) *L E (Lebensmittel-Ernahr.)* 18(8):8-13. Aug. 1965. 389.8 Z34
- 71687 NAUCHNA SESIYA PO VUPROSITE ZA POVISHAVANE KACHESTVOTO NA PLODOVETE, GROZDETO I ZELENCHUTSITE, SOFIA, 1963. Za povishavane kachestvoto na plodovete, grozdeto i zelenchutsite [Improving quality of fruit, grapes and vegetables]. Sofiya, Izadeltstvo na Bulgarskata Akademiya na Naukite, 1964. 181 p., map. Ref. 93.09 N22
- 71688 ROER, L. What is a good food potato? (No) *Norsk Landbruk* 14(1):11,22. Jan. 1966. 11 N8122
- 71689 STROPPEL, A., and KNORR, K. Method of visual sorting of piece materials. (Ge) *Grundlagen Landtech.* 15(3):87-92. 1965. 58.8 G92
English summary and contents.
Equipment for potatoes and fruit.
- 71690 VOGEL, J., and SCHOEWE, E. New trade designations for food potatoes 1966/67. (Ge) *Feldwirtschaft* 7(3):147-149. Mar. 1966. 18 W763

- 71691 WAGNER, R. Nature and importance of fruit aromas. (Fr) *Indus. Aliment. Agr.* 83(3):225-240. Mar. 1966. 383 As7
English summary.
Flavor components and their extraction.

Packing and Packaging

- 71692 BROWN, S. E., and PAPE, E. C. Influence of packaging and labeling on sales of interior Florida grapefruit, a sales test. U. S. D. A. Econ. Res. Serv. ERS-282,8 p. Apr. 1966. A281.9 Ag83E
- 71693 FORNEROD, W. P. The Netherlands looks ahead in fruit packaging. *Int. Apple Ass. Reference Book* 1965:60,62,64. 225 In83
- 71694 GAMBARIN, D. YU., and others. Frozen fruit and tomato juices in cartons. (Rus) *Konserv. i Ovoshchesushil'naya Promysh.* 5:9-12. 1965. 389.8 K833
Ya. D. Pesis, Ya. G. Muravin, G. D. Puchah, T. I. Artemova, and L. B. Bacherikova, joint authors.
Tetrapak.
Abstracted in *Ref. Zh. Khim.* 19(sect.R):13. Oct. 1965. 241.64 R252
- 71695 HALE, P. W., and MALLISON, E. D. Prepackaging pole beans in trays and polyethylene bags. U. S. Agr. Res. Serv. ARS-52-(n.s.)10,12 p. Apr. 1966. A289.9 R31
- 71696 INTERNATIONAL APPLE ASSOCIATION. Packaging the world's fruits; reference book 1965. Washington, D. C., 1965. 234 p. 225 In83
Includes directory.
- 71697 MARTELLI, F. Conditioning of fruit and vegetables with plastic packing. (Rum) *Gradina, Via Livada* 15(1):56-61. Jan. 1966. 80 G75
- 71698 NUGAN, K. L. The changing picture of fruit containers in Australia. *Int. Apple Ass. Reference Book* 1965:38,40,42,44. 225 In83
- 71699 ROCK, R. C. An expansion path of long-run adjustments of citrus packing houses in central California. *Diss. Abs.* 26(10):5761. Apr. 1966. 241.8 M58
- 71700 SCHARFENSTEIN, O. H. C. Canned food packing for self-service selling. (Ge) *Indus. Obst-Gemuseverwertung* 51(9):265-268. May 5, 1966. 389.8 K832
Fruit and vegetables.
- 71701 SCHMID, W. Efficient commodity handling through palletizing; experiences in the Swiss fruit and vegetable sectors. (Ge) *Fruchthandel* 17:626-629. Apr. 29, 1966. 286.83 F9428
- 71702 SCOFIELD, G. H. Packaging nuts in flexible packages. II. Manufacturing Confectioner 46(5):35,37-38. May 1966. 389.8 M31
- 71703 SEGAL, A. B. Argentina make strides in fruit packaging. *Int. Apple Ass. Reference Book* 1965:34,36. 225 In83
- 71704 STOKES, D. R. How do you pack them up and get them to market—and then to the consumer? *Int. Apple Ass. Reference Book* 1965:12-13,16,18,20,22,24,26,28,30-31. 225 In83
Fruit.

Prices, Price Control, and Rationing

- 71705 LESTER, W. B., and BRANSON, R. E. An analysis of prices received for prepackaged and 50-pound sack south Texas onions, 1965. *Tex. Agr. Exp. Sta. Progr. Rep.* PR-2384,10 p. Dec. 22, 1965. 100 T31P
- 71706 PODANY, J. C., FARRISH, R. O. P., and BOHALL, R. W. Citrus prices and market structure in the Lower Rio Grande Valley of Texas. U. S. D. A. Marketing Res. Rep. 748, 32 p. Apr. 1966. 1 Ag84Mr
- 71707 RICKS, D. J. Prices of apples for canning and freezing, 1951-1964. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 18,28 p. Aug. 1965. 281.9 M5842

- 71708 SCHREIBER, W. Contract prices in the Netherlands, Belgium, and France. (Ge) *Indus. Obst-Gemüseverwertung* 51(10):312-313. May 18, 1966. 389.8 K832 Vegetables.
- 71709 U. S. CONSUMER AND MARKETING SERV. FRUIT AND VEGETABLE DIV. MARKET NEWS BR. Fresh fruit and vegetable prices, 1965. U. S. D. A. Statist. Bull. 373, 34 p. Apr. 1966. 1 Ag84St
- Processing and Storage
- 71710 ABEYGUNAWARDENA, D. V. W., CAESAR, K., and DE VAZ, C. R. Factors affecting storage losses and the dormancy period of potato. *Trop. Agr. [Peradeniya]* 120(2):125-142. Apr./June 1964. 26 T751
- 71711 ALBANESE, F. Technology of banana powder manufacture. (Ge) *Deut. Lebensmittel-Rundsch.* 61(10):311-317. Ref. Oct. 1965. 389.8 D482
- 71712 BARBIERI, C. Deep freezing: new powerful aid in the fruit and vegetable industry. (It) *Mercanzia* 21(4):224-229. Apr. 1966. 287 B635
- 71713 BARBUT, M. Cold and agriculture. (Fr) *Rev. Agr. France* 42:2-3. July 1965. 14 R326 Food refrigeration and freezing.
- 71714 BERK, Z., and MIZRAHI, S. A new method for the preparation of low viscosity orange juice concentrates with ultrasonic radiation. (It) *Conserve Deriv. Agrumari* 14(2):55-59. Apr./June 1965. 389.8 C7622
- 71715 BHATTACHARYA, S., and ANAND, J. C. The effect of gamma radiation on the destruction rate of an osmophilic yeast (*Saccharomyces steineri*). *Indian Food Packer* 20(1):13-15. Ref. Jan./Feb. 1966. 389.8 In25 Spoilage of apple preserves.
- 71716 BÖLIN, H. R., NURY, F. S., and FINKLE, B. J. Low sulfur dioxide stabilization of fresh apple slices. *Dried Fruit Indus. Res. Adv. Comm. Proc.*, 6th Annu. Res. Conf.:16-22. 1965. 389.9 D832
- 71717 BOROS, R. The effect of the time of harvest upon fruit storage. (Hu) *Budapest. Kertészeti Szólesz. Foiskola. Kozlemenyei* 29(1):57-74. Ref. 1965. 80 B85 English summary.
- 71718 BRADBURY, J. F. A bacterial disease of waxed swede turnips. *Can. J. Bot.* 44(3):223-229. Mar. 1966. 470 C16C *Pseudomonas fluorescens* as pathogen.
- 71719 CHRIST, R. A. The effect of handling on citrus wastage. *S. Afr. Citrus J.* 387:7,9,11,13,15. Mar. 1966. 80 C495 Caused by *Penicillium digitatum*.
- 71720 DANG, R. L. Canning of parwal. *Indian Food Packer* 20(1):16-17. Jan./Feb. 1966. 389.8 In25 *Trichosanthes dioica*.
- 71721 DOBRAY, MRS. E., and VAS, K. Storage experiments with winter pears. (Hu) *Budapest. Kertészeti Szólesz. Foiskola. Kozlemenyei* 29(1):75-87. Ref. 1965. 80 B85 English summary. Effect on quality.
- 71722 DOLEND, A. L., LUH, B. S., and PRATT, H. K. Relation of pectic and fatty acid changes to respiration rate during ripening of avocado fruits. *J. Food Sci.* 31(3):332-336. Ref. May/June 1966. 389.8 F7322
- 71723 DOWNEY, I. Freezing cream style corn. *Auburn Univ. Ext. Leaf.* YHE-48, 2 p. Feb. 1966. 275.29 AL14L
- 71724 DRIED FRUIT INDUSTRY RESEARCH ADVISORY COMMITTEE. Proceedings, sixth annual conference, October 21, 1965, Fresno, California. n.p., 1965. 31 p. 389.9 D832
- 71725 ETCHELLES, J. L., BELL, T. A., and COSTILOW, R. N. Controlled fermentation improves pickling. *Food Process./Marketing [Chicago]* 27(5):150-151. May 1966. 389.8 F7325 Vegetables.
- 71726 FELLER, R., and NIR, I. Mechanization of operations involved in preparing almonds for marketing. (He) *Rehovot. Nat. Univ. Inst. Agr. Prelim. Rep.* 514, 16 p. Dec. 1965. 107 R26 English summary.
- 71727 FLICK, H. Fruit and vegetable processing industry of the Federal Republic in the year 1965. (Ge) *Indus. Obst-Gemüseverwertung* 51(10):292-310. May 18, 1966. 389.8 K832 Statistical.
- 71728 FRANCIS, F. J., BRAMLAGE, W. J., and LORD, W. J. Detection of watercore and internal breakdown in Delicious apples by light transmittance. *Amer. Soc. Hort. Sci. Proc.* 87:78-84. Dec. 1965. 81 So12 During storage period; includes varieties.
- 71729 GALINDO, A. Conditions that a storehouse for apples should combine. (Sp) *Cult. Mod.* 49(2):68-69. Feb. 1966. 15 C89
- 71730 GENTRY, J. P. Problems and possibilities with parallel-flow prune dehydration. *Dried Fruit Indus. Res. Adv. Comm. Proc.*, 6th Annu. Res. Conf.:30-31. 1965. 389.9 D832
- 71731 GOTGEL'F, F. S. The technology of processing fresh fruits of *Rosa rugosa*. (Rus) In *Soveschchanie po Vitaminam iz Prirodn. Syr'ya*, 1963. Materialy 1964:133-137. Not in Libr. Frozen fruit juice processing. Abstracted in *Ref. Zh. Khim.* 19(sect.R):14. Oct. 1965. 241.64 R252
- 71732 GUALBA, C. Fig drying. (Sp) *Cult. Mod.* 49(3):96. Mar. 1966. 15 C89
- 71733 HAJDERI, D. Losses of raw material during the processing of tomatoes for sauce. (Al) *Bul. Shkencave Bujquesore* 1:62-71. 1966. 21.5 B87 English summary.
- 71734 HAMMERLE, J. R., and MOHSEENIN, N. N. Some dynamic aspects of fruits impacting hard and soft materials. *Amer. Soc. Agr. Eng. Pap.* 320, 25 p. 1965. 290.9 Am32P Study of shock during handling.
- 71735 HARDENBURG, R. E., and ANDERSON, R. E. Postharvest chemical, hot-water, and packaging treatments to control apple scald. *Amer. Soc. Hort. Sci. Proc.* 87:93-99. Ref. Dec. 1965. 81 So12 During storage, using diphenylamine and ethoxyquin for chemical control; includes varieties.
- 71736 HERBERT, J. T. Controlled atmosphere stores for fruit. 2. *World Refrig. Air-Cond.* 17(4):21-24. Apr. 1966. 295.8 W89
- 71737 HONSCH, W. M. Production and properties of yuca starch. *Starke* 18(1):20-22. Jan. 1966. 309 St22
- 71738 IONESCU, D. T. The use of ion exchangers in food industry. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:21-30. 1964/65. 389.9 R86 English summary.
- 71739 KODOUNES, M. I. Quick freezing of strawberries. (Gre) *Delt. Agrotikes Trapezes* 143:35-41. Mar./Apr. 1965. 41.7 D38
- 71740 KUSHMAN, L. J. Effects of temperatures on acidity of sweetpotato roots and flakes made from them. *Amer. Soc. Hort. Sci. Proc.* 87:391-397. Ref. Dec. 1965. 81 So12 In storage.
- 71741 LUNDQUIST, A. L., and BOUMA, J. C. Reducing operating costs in affiliated produce warehouses. *U. S. D. A. Agr. Inform. Bull.* 304, 27 p. Ref. 1966. 1 Ag84Ab
- 71742 PETERSON, A. C., and GUNDERSON, M. F. Two sides of a coin. *N. Y. State Ass. Milk Food Sanit. Annu. Rep.* 39:45-71. 1965. 44.9 N4833 Importance of food safety in processing.
- 71743 MACNEILL, B. H., and BARRON, G. L. A virulence in prototrophs of *Penicillium expansum*. *Can. J. Bot.* 44(3):355-358. Ref. Mar. 1966. 470 C16C Studies of irradiated pathogens on stored apples.

- 71744 MAS SOLANES, R. DE. Manufacture of raisins. (Sp) Cult. Mod. 49(4):152-153. Apr. 1966. 15 C89
- 71745 MCCOLLOCH, L. P., YEATMAN, J. N., and LOYD, P. Color changes and chilling injury of pink tomatoes held at various temperatures. U. S. D. A. Marketing Res. Rep. 735,6 p. Ref. May 1966. 1 Ag84Mr
- 71746 MERGENTHALER, E. Influencing the quality of pectin preparations through additives. (Ge) Z. Lebensmittel-Untersuchung -Forsch. 129(5): 285-290. Ref. 1966. 384 Z39
- 71747 MIKOLAJCZYK, Z. Agriculture, the food processing industry and the market—1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432:20-29. Apr.18,1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
In Poland.
Translation from Zycie Gospodarcze 21(11): 6-7. Mar.1966.
Issued by CFSTI.
- 71748 MOUCHET, M., and MOUCHET, R. The 1965 season of cooperative canning, Colombani-Pomposa united establishments. (Fr) Indus. Aliment. Agr. 83(3):245-257. Mar.1966. 383 As7
Fruit and vegetable canning.
- 71749 MOYLS, A. W. Opalescent apple juice concentrate. Food Technol. 20(5):121-123. Ref. May 1966. 389.8 F7398
Preparation.
- 71750 NASTEV, D. Storage of grape varieties in refrigerators. (Se) Savremena Poljoprivreda 13 (12):1017-1021. Dec.1965. 21 P75
French summary.
- 71751 NEW YORK STATE CANNERS AND FREEZERS ASSOCIATION. 1966 directory; fruit—vegetable—specialty items; volume 8. Rochester, 1966. 120 p. 225 N487
- 71752 NICOLESCU, L., CRISTEA, S., and EVA, Z. Research on certain species of fruit cultivated in Rumania and their behaviour to congelation and long term conservation. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:245-256. 1964/65. 389.9 R86
English summary.
- 71753 NILSSON, L. Phoma-rot—a storage disease. (Sw) Lantbrukstidskr. Jamtland Harjedalen 18(3):4-6. 1965. 11 L293
Of potatoes.
- 71754 NURY, F. S., and others. New dried fruit products for use in dry cereals. Dried Fruit Indus. Res. Adv. Comm. Proc., 6th Annu. Res. Conf.:4-10. 1965. 389.9 D832
H. R. Bolin, F. P. Boyle, M. E. Lazar, and W. L. Stanley, joint authors.
- 71755 OSTERWALD, K. Freezing is the modern conservation method. (Ge) Tech. Landwirt. 18(4):106-108. Apr.15,1966. 58.8 T223
Fruit and vegetables.
- 71756 PAPANIKOLAOS, N. I. The preparation of edible olives. (Gre) Delt. Agrotikes Trapezes 144:28. May/June 1965. 21.7 D38
- 71757 PETROVICI, P., and OPRIS, S. Contributions to the improvement of sterilization regime of canned vegetables. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:235-244. 1964/65. 389.9 R86
English summary.
- 71758 PONTING, J. D., and others. Dehydration of fruits by sugar osmosis. Dried Fruit Indus. Res. Adv. Comm. Proc., 6th Annu. Res. Conf.: 11-15. 1965. 389.9 D832
G. G. Watters, R. Jackson, and W. L. Stanley, joint authors.
- 71759 PORRITT, S. W., and MASON, J. L. Controlled atmosphere storage of sweet cherries. Amer. Soc. Hort. Sci. Proc. 87:128-130. Dec.1965. 81 So12
- 71760 RAIK, S. YA., and GAIKOVSKAYA, L. T. Changes in pectin substances during tomato processing. (Rus) In Polisakharidy Plodov i Ovoshchei i ikh Izmenchivost' pri Sozrevanii i Pererabotke 1965:22-30. Not in Libr.
Abstracted in Ref. Zh. Biol. Khim. 19:185. Oct.10,1965. 241.7 R252
- 71761 RANDALL, J. M., and others. Yields tomato paste with 50% solids. Food Eng. 38(3):168-169. Mar.1966. 389.8 F737
R. A. Carlson, R. P. Graham, and A. I. Morgan, joint authors.
Quality of paste.
Wurling evaporator developed by U.S.D.A. Western Utilization Research Laboratory.
- 71762 RAPHAEL, T. D. Case liners with Golden Delicious apples. Tasmanian J. Agr. 37(1):52-54. Feb.1966. 23 T182T
Use of wax and polythene in storage.
- 71763 REIG F., A., and others. Industrial use of the Satsuma orange in Spain. (Sp) Tierra [Mexico] 20(9):709,760. Sept.1965. 8 T445
- 71764 ROL, W. Course in the preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.7. Preservation with the aid of acid and salt. (Du) Conserva 14(8): 182-186. Feb.1966. 389.8 C7632
- 71765 RUBIN, B. A., and others. The use of ionizing radiation to control the dormancy of potato tubers during storage. p.1-75. Ref. (OTS 63-11011) Transl. 14333
L. V. Metlitskii, E. G. Sal'kova, E. N. Mukhin, N. P. Korableva, and N. P. Morozova, joint authors.
Sprout prevention.
Translation from Akademiya Nauk SSSR. Biokhimiya Plodov i Ovoshchei. Sbornik 5:5-101. 1959.
Issued by CFSTI.
- 71766 SANCHEZ MORALES, A., MUNOZ-DELGADO ORTIZ, J. A., and MUNOZ-DELGADO ORTIZ, L. Large-scale treatment and cold preservation of strawberries. (Sp) Rev. Frio 10(2):49-54. Ref. Apr./June 1965. 295.8 R324
English summary.
Freezing.
- 71767 SANCHEZ MORALES, A., MUNOZ-DELGADO ORTIZ, J. A., and MUNOZ-DELGADO ORTIZ, J. A. Possible improvements in the cold treatment and storage of oranges through the use of various fungicidal substances. IV. Trials in the 1963-1964 season. (Sp) Rev. Frio 10(1):7-12. Jan./Mar.1965. 295.8 R324
English summary.
- 71768 SEMEDO, M. E. A. Production of fruits and the problem of canning—the peach. (Por) Port. Junta Nac. Frutas. Serv. Inform. 276:3-5. May 1965. 286.3939 P832
Varieties and quality for canning.
- 71769 SHAH, J., and MAXIE, E. C. Manganese free radicals in cobalt-60 gamma-irradiated strawberries. Nature [London] 210(5032):210. Apr.9,1966. 482 N21
- 71770 SIKULA, J. Sanitation of vegetables during the cooling and freezing. (Cz) Veterinarstvi 16 (4):174-177. 1966. 41.8 V6439
- 71771 SMOCK, R. M., and BLANPIED, G. D. Effect of modified technique in CA storage of apples. Amer. Soc. Hort. Sci. Proc. 87:73-77. Dec. 1965. 81 So12
Includes effects on keeping quality.
- 71772 SUPRAN, M. K., and others. Comparison of different organic acids for the acidification of canned pimientos. Food. Technol. 20(2):117-122. Ref. Feb.1966. 389.8 F7398
J. J. Powers, P. V. Rao, T. P. Dornseifer, and P. H. King, joint authors.
For lowering pH value.
- 71773 TRABELSI, H. Reflections on problems posed by the potato. (Fr) Tunis. Ecole Nat. Super. Agr. Bull. Bull. Trim. 7:33-38. June 1965. 24 T838
Chiefly storage.

- 71774 TRECCANI, C. P. Study of fruit storage under cold system. (It) Agr. Ferrarese 69(3):47-56. Mar.31,1965. 16 Ag87
Gas storage.
- 71775 UNION NATIONALE INTERPROFESSIONNELLE DES LEGUMES DE CONSERVES. Activities in 1965. (Fr) Rev. Conserv. 21(2):67. Mar.1966. 389.8 R326
- 71776 VERMA, A. R., KAPUR, K. L., and AGNIHOTRI, B. N. Suitability of some important potato varieties of Uttar Pradesh for canning. Indian Food Packer 20(1):9-12. Jan./Feb.1966. 389.8 In25
- 71777 VOIPPIO, I. Storage of head lettuce. (Fi) Suomen Maataloustieteellinen Seura. Maataloustieteellinen Aikak. 38(1):15-26. Ref. 1966. 20 Su7M
English summary.
- 71778 WAGENINGEN. INSTITUUT VOOR BEWARING EN VERWERKING VAN TUINBOUWPRODUCTEN. Jaarverslag [Annual report of the Institute for Storage and Processing of Horticultural Products], 1964. Wageningen, 1965. 96 p. 280.3939 W12
- 71779 ZANKER, J. Cooperative preparation of food potatoes in the Berilstedt farmer trade cooperative region. (Ge) Feldwirtschaft 7(3):125-127. Mar.1966. 18 W763
Sorting, packing, and handling.

Statistics

- 71780 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Statistical bulletin: the fruit growing industry, Australia, No. 21, season 1964-65. Canberra, 1966. 20 p. 271 Au72Sum
- 71781 BOTTICHER, W. Total production of mushrooms and wild berries in the Federal Republic in the year 1965. (Ge) Indus. Obst- Gemuseverteilung 51(10):311-312. May 18,1966. 389.8 K832
- 71782 CARLSSON, M. Production trends as a result of expected price relations and present costs. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:10-13. Ref. 1965. 11 Up62A
Vegetables.
- 71783 ELEK, L. Trends in apple production in the Common Market countries. (Hu) Gazdalkodas 10(2):79-80. Apr.1966. 281.8 G25
Yield statistics.
- 71784 FLORIDA. CROP AND LIVESTOCK REPORTING SERV. Florida agricultural statistics: vegetable summary, 1965 issue. Tallahassee, 1965. 121 p.,map. 1.941 H8V526
- 71785 MARZI, G. DE. Estimate of cultivation of fruit trees. (It) Prog. Agr. [Bologna] 12(3):277-296. Mar.1966. 58.8 P94
Production and trade statistics.
- 71786 OESERT, K. Field vegetable production 1966 in the buyers' market. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 138:17-23. Mar.15, 1966. 281.8 B462
Includes production statistics.
- 71787 PERSSON, N. E. Vegetable culture. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:17-21. 1965. 11 Up62A
Production and consumption.
- 71788 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: Bartlett pears. Wash. State Univ. Ext. E. M. 2290,rev.,2 p. Feb.1966. 275.29 W27Mi
- 71789 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: pears--non Bartlett. Wash. State Univ. Ext. E. M. 2291,rev.,1 p. Feb.1966. 275.29 W27Mi
- 71790 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Washington State commodity data sheet: sweet cherries. Wash. State Univ. Ext. E. M. 2277,rev.,1 p. Mar.1966. 275.29 W27Mi

GRAIN AND GRAIN PRODUCTS

- 71791 AGROFILO, L. 1966: International Rice Year. (Sp) Cult. Mod. 49(3):100-101. Mar.1966. 15 C89
- 71792 AKERBERG, E. Why a campaign for better bread grain? (Sw) Hushallningssallsk. Tidskr. 32(6):127-130. 1965. 11 H9522
- 71793 ANDERSON, R. A., and PFEIFER, V. F. Progress on methods for reducing strontium-90 in wheat and milled products. Radiol. Health Data Rep. 7(2):57-60. Feb.1966. 151.65 R11
- 71794 ANDERSON, R. A., PFEIFER, V. F., and PEPLINSKI, A. J. Measuring wheat kernel hardness by standardized grinding procedures. Cereal Sci. Today 11(5):204-206,208-209. May 1966. 59.8 C333
- 71795 ASSOCIATION OF OPERATIVE MILLERS. Summary of selected papers. Northwest. Miller 273(6):16,18,20,22-23. June 1966. 298.8 N81
- 71796 AUSTIN, A. A laboratory for testing cereal quality. Indian Farming 15(5):17-18. Aug.1965. 22 In283
Cereal Quality Testing Laboratory at Indian Agricultural Research Institute.
- 71797 AVERBUCH, V. L., and BERLIN, I. Z. Protection of grain products from radioactive, chemical and bacterial substances discussed. 14 p. (JPRS 25,250; TT 64-31555) Transl. 14123
By proper packing, storage and transportation.
Translation from Kak zashchitit' khlebo produkty ot radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv 1963:26-40. CFSTI. \$.50.
- 71798 BANASIK, O. J., and GILLES, K. A. Barley & malt lipids. Cereal Sci. Today 11(3):98-100, 118. Ref. Mar.1966. 59.8 C333
Includes analysis.
- 71799 BARON, S. Rice: key to survival for one third of humanity. Freedom Hunger 7(40):4-10. Jan./Feb.1966. 389.8 F872
Outlook.
- 71800 BASILIO, C., BRAVO, M., and ALLENDE, J. E. Ribonucleic acid code words in wheat germ. J. Biol. Chem. 241(8):1917-1919. Ref. Apr.25, 1966. 381 J824
- 71801 BELILOVSKAYA, A. S., and ZENKOVA, A. N. Basic characteristics and indices of physicochemical properties of barley groats. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy 53:83-92. 1964. 59.9 M85
Abstracted in Ref. Zh. Khim. 19(sect.R):5. Oct.1965. 241.64 R252
- 71802 BIANCONI, E. Considerations on cleaning. (It) Molini Ital. 15(3):296-299. Aug.1964. 298.8 M73
Equipment for wheat.
- 71803 BOLLING, H., and SPRINGER, F. The Hagberg falling number--a method for determining the degree of sprouting in grain. (Ge) Muhle 102(36):685-686. Sept.9,1965. 298.8 M89
Wheat.
- 71804 BORRIES, R. VON. What is the state of the German 1966 wheat crop? (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):531-532. Mar.31,1966. 18 N39
- 71805 BREKKE, O. L. Corn dry-milling: a comparison of several procedures for tempering low-moisture corn. Cereal Chem. 43(3):303-312. May 1966. 59.8 C33
- 71806 BRUCKNER, G. Milling research with dried wheats. (Ge) Muhle 102(41):796-798. Oct.14, 1965. 298.8 M89
- 71807 BUTCHER, J., and GREER, E. N. Moisture measurement in freshly damped wheat. Cereal Sci. Today 11(3):94-96,118-119. Mar.1966. 59.8 C333
Includes equipment; in Great Britain.
- 71808 CALVEL, R. The chief French wheat varieties and their bread-marking behavior. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 210: 275-288. Dec.1965. 298.9 P21

- 71809 CALVEL, R. Measurement and development of bread volume and flour quality. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 210: 305-310. Dec.1965. 298.9 P21
- 71810 CHIBA, M., and MORLEY, H. V. Microcoulometric gas chromatographic determination of trichloroacetic acid (TCA) residues in wheat grain. Ass. Offic. Anal. Chem. J. 49(2):341-345. Ref. Apr.1966. 381 As7
- 71811 CHOPIN, M. Rheological studies of flour pastes. (Fr) Paris, Ecole Franc. Meun. Bull. Anciens Eleves 209:257-262. Nov.1965. 298.9 P21
- 71812 CINQUETTI, M., and DIRNBERGER, H. Corn degermination. (Ge) Deut. Muller-Zeitung 63 (20):502,504-505. Oct.7,1965. 298.8 Su2
- 71813 CLEVE, H., and WILL, F. Research with the help of the varioroll. Cereal Sci. Today 11(4): 128-130,132. Apr.1966. 59.8 C333
Grain processing and milling equipment; in Germany.
- 71814 CORREDI, A. Production and marketing of grain in the world. VI. India. (It) Molini Ital. 16(5):186-187. May 1965. 298.8 M73
- 71815 CROSS, E. Progress and growth for the U.S. milling industry through education, research, and maturity. Mod. Miller Bakers News 90(5): 15-16. May 15,1966. 298.8 M72
- 71816 DANIELS, N. W. R. The action of chemical improvers on the lipids of flour. Nutr. Soc. Proc. 25(1):51-60. Ref. 1966. 389.9 N953
- 71817 DESCHREIDER, A. R. Considerations on continuous extraction of wheat flour proteins. (Fr) Indus. Aliment. Agr. 82(12):1265-1269. Ref. Dec.1965. 383 As7
Chromatography.
- 71818 FINCI, Z. Long-term trends of development in Yugoslav wheat production. (Se) Savremena Poljoprivreda 13(11):879-894. Nov.1965. 21 P75
English summary.
Acreage and yields.
- 71819 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The economic relationships between grains and rice. Food Agr. Organ. UN. Commod. Bull. Ser. 39,125 p. 1965. 389.9 F735Cs
In consumption and international trade.
- 71820 FRITSCH, E. Trends in the development of baking technique and their position with reference to the technique of flour manufacture. II. (Ge) Mullerei 18(42):663-665. Oct.16,1965. 298.8 M91
- 71821 GREENAWAY, W. T., and others. Micro sedimentation test for wheat. Cereal Sci. Today 11(5):197-199. Ref. May 1966. 59.8 C333
N. S. Hurst, M. H. Neustadt, and L. Zeleny, joint authors.
- 71822 HAEGER, P. M. Forecast: a popping good summer. Peanut J. Nut World 45(8):22-23. June 7,1966. 77.8 P313
Popcorn outlook.
- 71823 HALL, V. L., and JOHNSON, J. R. A revised starch-iodine blue test for raw milled rice. Cereal Chem. 43(3):297-302. May 1966. 59.8 C33
- 71824 HARALDSON, W. C. The world food situation and Philippine rice production. Amer. Chamber Com. Philippines. J. 42(2):56,58-59. Feb. 1966. 287 Am3P
Program.
- 71825 HARASZTI, L. Receiving and cleaning experiments of wheat in 1965 directly taken from the combine. (Hu) Malomipar Termenyforgalom 13(2):39-46. Mar./Apr.1966. 298.8 M292
Storage and cleaning.
- 71826 HERSICZKY, A., and SIMONYI, J. M. Semi-technical plant results of obtaining glutamic acid through ion exchange procedures. (Ge) Starke 18(1):6-10. Jan.1966. 309 St22
English summary.
From wheat gluten.
- 71827 HOFKO, F. Bug-bitten wheat in practice. (Ge) Muhle 102(36):683-684. Sept.9,1965. 298.8 M89
Pentatomidae.
- 71828 HOPF, L. The pulverization of brans. (Ge) Mullerei 18(40):625-626. Oct.2,1965. 298.8 M91
- 71829 HUEBNER, F. R., and WALL, J. S. Improved chromatographic separation of gliadin proteins on sulfoethyl cellulose. Cereal Chem. 43(3): 325-335. Ref. May 1966. 59.8 C33
From wheat.
- 71830 HULEA, A., and BERATLIEF, C. Recommendations for the storage of grain after the harvest. (Rum) Probl. Agr. [Bucharest] 17(11): 55-58. Nov.1965. 21 R862
- 71831 IBRANYI, K. Experiments for determination of the necessary flour resting. (Hu) Malomipar Termenyforgalom 13(2):72-74. Mar./Apr.1966. 298.8 M292
Includes the effects of storage period on farinographic results.
- 71832 IGNATESCU, I. Maize storage diseases. (Rum) Probl. Agr. [Bucharest] 17(3):52-56. Mar.1965. 21 R862
- 71833 IONESCU, N., MOTOC, L., and TANASE, B. Research to obtain nutritive and dietetic products for children, in the bread-making industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:97-103. Ref. 1964/65. 389.9 R86
English summary.
Chiefly flour products.
- 71834 JACKEL, S. S. Difference in flour requirements between conventional and continuous bread making processes. Bakers' Rev. [New York] 132(5):15-16,18. May 1966. 389.8 B175
- 71835 JOHANSON, J. R. How to remove bridging. Grain Feed J. 123(10):24. May 25,1966. 298.8 G762
In grain storage.
- 71836 JOHNSON, R. M. USDA's marketing researchers are working to perfect a rapid test for flour quality. Agr. Marketing [Washington] 11(5):6. May 1966. A280.38 Ag8
- 71837 KASTENMULLER, S. Management of in-plant transportation. (Ge) Muhle 102(41):798-801. Oct.14,1965. 298.8 M89
Flour.
- 71838 KENT, N. L. Effect of moisture content & grinding principle on fragmentation of wheat endosperm. Cereal Sci. Today 11(3):91-93,119. Mar.1966. 59.8 C333
In particle size range of flour.
- 71839 KENT-JONES, D. W., and BROWN, T. J. Automatic & continuous monitoring of flour quality and production. Cereal Sci. Today 11(3):88-90,119-120. Mar.1966. 59.8 C333
In Great Britain.
- 71840 KRAUSP, V., and CHEREPANOV, P. Electronic instrument for measuring grain moisture. (Rus) Tekh. Sel'skom Khoz. 4:67-68. Apr.1966. 58.8 M11
- 71841 LAM QUANG HUYEN. The building of central rice regions in the North. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:12-35. Mar.2,1965. (JPRS 28,960) 173 J663Trn
Translation from Nghien Cuu Kinh Te 24:23-30. Dec.1964.
Issued by CFSTI.
- 71842 LANGEN, H. Some notes on the shaping of the new European market organization for grain. (Ge) Agrarwirtschaft 15(4):130-137. Apr.1966. 281.8 Ag826
English summary.
- 71843 LASZTITY, R., NEDELKOVITS, J., and VARGA, J. New investigations concerning N-terminal amino acids of wheat protein fractions. (Hu) Magyar Kem. Folyoirat 72(5):197-201. Ref. 1966. 385 M272
- 71844 LELE, U. J. Efficiency of jowar marketing: a study of regulated markets in western India. Diss. Abs. 26(10):5760. Apr.1966. 241.8 M58

- 71845 MACLEOD, A. M., DUFFUS, J. H., and HORSFALL, D. J. L. The embryo as an activator of gibberellic-acid-induced alpha-amylase. *Inst. Brewing J.* 72(1):36-37. Jan./Feb.1966. 390.9 In7
Barley.
- 71846 MACWILLIAMS, I. C., and REYNOLDS, T. Some effects of the use of gibberellic acid in malting. *Inst. Brewing J.* 72(2):171-173. Ref. Mar./Apr.1966. 390.9 In7
- 71847 MAES, E. E. A. Protein solubility & baking quality. *Cereal Sci. Today* 11(5):200-202. Ref. May 1966. 59.8 C333
In wheat flour.
- 71848 MAHLFELD, Cleaning and crushing according to grain size. (Ge) *Mullerei* 18(41):641-643. Oct.9,1965. 298.8 M91
- 71849 MALOTT, D. W. The challenging task of tomorrow. *Mod. Miller Bakers News* 90(5):10-11, 14. May 15,1966. 298.8 M72
Flour consumption.
- 71850 MEYER, J. Swamp rice; with help from German churches Liberia is converting useless swamps into rich rice fields. *Freedom Hunger* 6(37):22-23. July/Aug.1965. 389.8 F872
- 71851 MILLS, T. C. Mill performance as related to roll, purifier and sifter surface. *Northwest Miller* 273(6):26,28,32-34. June 1966. 298.8 N81
- 71852 MIRACLE, M. P. Maize in tropical Africa. *Madison, Univ. Wis. Press*, 1966. 327 p. SB191.M3M5
Bibliography, p.293-311.
Industry.
- 71853 MITCHELL, T. A., and MEREDITH, P. Automatic determination of water-absorption of flour. *Cereal Sci. Today* 11(4):133-134. Apr. 1966. 59.8 C333
In New Zealand.
- 71854 MOISEEVA, A. I., and EGOROVA, T. V. Correlation between the sedimentation index and quality of grain and flour. (Rus) *Vsesoyuzn. Nauchn.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy* 53:141-145. 1964. 59.9 M85
Wheat.
Abstracted in Ref. *Zh. Khim.* 19(sect.R):5. Oct.1965. 241.64 R252
- 71855 MONTANER ESTEVE, J. Agricultural surpluses. (Sp) *Cult. Mod.* 49(4):137-138. Apr. 1966. 15 C89
Grain.
- 71856 MORGAN, A. I., BARTA, E. J., and GRAHAM, R. P. World wheat—a product of chemical peeling. *Northwest Miller* 273(6):40-43. June 1966. 298.8 N81
Processing and properties.
- 71857 MOSSBERG, R. Some problems concerning the determination of crude protein content in cereals by dye binding. *Agri Hort. Genet.* 23(3/4):206-218. Ref. 1965. 64.8 Ag8
- 71858 NEMENUSHCHII, A. F. Determining the dispersion of grinding grain products by relative surface measurement. (Rus) *Vsesoyuzn. Nauchn.-Issled. Inst. Zern. i Prod. Ego Pererabotki. Trudy* 53:71-76. 1964. 59.9 M85
Wheat and rye.
Abstracted in Ref. *Zh. Khim.* 19(sect.R):6. Oct.1965. 241.64 R252
- 71859 NICOLAESCU, M. Method for the laboratory experimental baking tests checking the bread-making properties of flours in bread factories. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrurile* 7:85-95. 1964/65. 389.9 R86
English summary.
- 71860 NOLEN, R. "Year of boxcar suspensions." *Grain Feed J.* 123(10):10-11. May 25,1966. 298.8 G762
Delivery of grain by rail; regulations by Commodity Credit Corporation.
- 71861 NURET, H. Synthesis and conclusions. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 210:289-303. Dec.1965. 298.9 P21
Review of papers on problems in the milling and bread-making industries.
- 71862 ORDIN, A. P. Microflora of wheat with special reference to the date of harvesting and the cultivation area. (Rus) *Mikrobiologiya* 35(2):337-343. Ref. Mar./Apr.1966. 448.3 M582
English summary.
- 71863 PARISI, L. Italian rice culture. (It) *Prog. Agr. [Bologna]* 11(9):933-940. Sept.1965. 58.8 P94
Industry.
- 71864 PELSchenke, P. F., SEIBEL, W., and ZWINGELBERG, H. Impact reduction, air classification, and starch damage. 24 p. Ref. *Transl.* 14431
Translation from *Muhle* 98(44):573-578. Nov.2,1961.
- 71865 PERTEN, H. A colorimetric method for the determination of alpha-amylase activity (ICC method). *Cereal Chem.* 43(3):336-342. Ref. May 1966. 59.8 C33
A method developed by International Association for Cereal Chemistry.
- 71866 POMERANZ, Y. Protein composition & bread-making potentialities of wheat flour. *Cereal Sci. Today* 11(5):192-194,196. Ref. May 1966. 59.8 C333
- 71867 POYZER, F. Boxcar shortage hurting economy. *Grain Feed J.* 123(10):12-14. May 25, 1966. 298.8 G762
For grain transportation.
- 71868 RAO, MRS. P. A. The chemical treatment of paddy to replace par-boiling. *Rice J.* 69(5):44-45. May 1966. 59.8 R36
- 71869 REYNOLDS, T., and MACWILLIAM, I. C. Water uptake and enzymic activity during steeping of barley. *Inst. Brewing J.* 72(2):166-170. Ref. Mar./Apr.1966. 390.9 In7
- 71870 RIDYARD, H. N. A study of the determination of thiamine in breakfast cereals. *Analyst* 91 (1082):328-332. May 1966. 382 An1
- 71871 ROMEICK, G., and HELMBRECHT, G. The MIAG groats elevator—elevator for products that do not flow easily. (Ge) *Fette, Seifen, Anstrichmittel* 68(4):316-318. Apr.1966. 384 C422
- 71872 RUEBENBAUER, T., and BISKUPSKI, A. Experimental estimation of the baking value of rye by means of the sedimentation method. 23 p. (OTS 61-31275) *Transl.* 14527
Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 2(4):459-478. 1953. CFSTI. \$0.50.
- 71873 RUIZ LARA, J., and CRUZ DE SCHLESINGER, L. Marketing rice in Colombia; FG-Co-104, first draft final report. Bogota, Centro Estudios sobre Desarrollo Economico, Universidad Andes, 1965. 2 v. HD9066.C7U5
- 71874 SARAZIN, J. Baking quality and fermentation aptitude. (Fr) *Paris. Ecole Franc. Meun. Bull. Anciens Eleves* 209:247-256. Nov.1965. 298.9 P21
- 71875 SARIC, M. Production of wheat on territory of the AP Voivodina in 1964/65. (Se) *Savremena Poljoprivreda* 13(9):703-720. Sept.1965. 21 P75
Chiefly acreage, varieties planted and yields.
- 71876 SCHLESINGER, J. S. Flour ash: standard deviation & percent coefficient of variation/data of the Pioneer Section, 1955 through 1964. *Cereal Sci. Today* 11(4):136-138,188. Apr. 1966. 59.8 C333
- 71877 SCHULTZ, E. F., POMINSKI, J., and WASSERMAN, T. Sources of variability in laboratory milling yields of long-grain rice-drying experiments. *Cereal Chem.* 43(3):284-297. May 1966. 59.8 C33
- 71878 SECKINGER, H. L., and WOLF, M. J. Polarization colors of maize starches varying in amylose content and genetic background. *Starke* 18(1):1-5. Jan.1966. 309 St22
- 71879 SHELEF, L., and MOHSEENIN, N. N. Moisture relations in germ, endosperm, and whole corn kernel. *Cereal Chem.* 43(3):347-353. Ref. May 1966. 59.8 C33

- 71880 SHKLYAR, M. S. Effect of gibberellin on microorganisms and fermentation activity of barley malting. (Rus) Prikl. Biokhimiya i Mikrobiol. 1(1):102-109. Ref. 1965. 385 P93
Review of the literature.
Cited in Ref. Zh. Khim. 19(sect.R):32. Oct. 1965. 241.64 R252
- 71881 SILBEREISEN, K., and KREMKOW, C. Enzymatic determination of glucose and its use in the analysis of diet beers, malt beers, barley, brewers' grains, and brewing syrup. (Ge) Monatsschr. Brauerei 19(4):69-75. Apr. 1966. 390.8 B7323
- 71882 SIMPSON, J. E., and others. Quality evaluation studies of foreign and domestic rices. U. S. D. A. Tech. Bull. 1331, 186 p. Ref. Oct. 1965. 1 Ag84Te
C. R. Adair, G. O. Kohler, E. H. Dawson, H. J. Deobald, E. B. Kester, J. T. Hogan, O. M. Batcher, and J. V. Halick, joint authors.
Research programs and tests.
- 71883 SLUSANSCHI, H., and others. Results of experiments with the storage of corn ears by active ventilation. (Rum) Probl. Agr. [Bucharest] 17(12):8-18. Dec. 1965. 21 R862
W. Thierer, G. Manescu, and G. Stoiciu, joint authors.
English summary.
- 71884 SRIVASTAVA, B. I. S., and MEREDITH, W. O. S. The relation between alpha-amylase activity and nucleic acid content of barley grain. Inst. Brewing J. 72(2):163-166. Ref. Mar./Apr. 1966. 390.9 In7
- 71885 STANKOVIC, A., SOVLJANSKI, R., and STOJANOVIC, T. On the toxicological properties of flour from wheat treated with malathion. (Se) Savremena Poljoprivreda 13(9):751-756. Sept. 1965. 21 P75
English summary.
Stored wheat.
- 71886 STEVAN, M. A., and HOUSTON, D. F. A note on polar and nonpolar lipids in hard red spring and hard winter wheat flours. Cereal Chem. 43(3):353-356. Ref. May 1966. 59.8 C33
- 71887 SZARF, A., and HISCOCKS, G. A. Trends and problems in the world grain economy, 1950-1970. Int. Wheat Council. Secretar. Pap. 6, 26 p. Apr. 1966. 281.3599 In8S
- 71888 SZELES, K. Rice in the world and in our country. (Hu) Magyar Mezogazdasag 21(14):14. Apr. 6, 1966. 19 M27
Statistics.
- 71889 TAMURA, S., and KENMOCHI, K. Studies on amino acid content of rice. III. Distribution of amino acid in rice grain. 10 p. Transl. 14522
Translation from Agricultural Chemical Society of Japan. Journal 37:753-756. 1963.
- 71890 THEIMER, O. F. Construction of silo cells and similar containers for the storage of products that flow with difficulty. (Ge) Muhle 102(40):767-770. Oct. 7, 1965. 298.8 M89
Such as flour, groats, and oilcake.
- 71891 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Costs of storing and handling grain in commercial elevators, 1964-65. U. S. D. A. Econ. Res. Serv. ERS-288, 31 p. Apr. 1966. A281.9 Ag83E
- 71892 VERNON, M. The incorporated National Association of British and Irish millers. Milling 146(18):420-425, 428. (Concl.) May 6, 1966. 298.8 M622
Includes aspects of industry.
- 71893 WAHL, G. Corn drying and wet milling. I. (Ge) Starke 18(1):11-19. Jan. 1966. 209 St22
English summary.
- 71894 WATABE, T., and OKAMOTO, H. Experiments on the "Ryokka" phenomenon in glutinous rice grains. 5 p. Transl. 15144
Translation from Crop Science Society of Japan. Proceedings 29(1). n. d.
- 71895 WHISTLER, R. L., MITTAG, T. W., and INGLE, T. R. Mechanism of starch depolymerization with chlorine. Cereal Chem. 43(3):362-371. Ref. May 1966. 59.8 C33
Of wheat.
- 71896 WILKOJC, A., and CIENSKA, K. Observations on water content variations in maize ears in the process of drying. 33 p. Ref. (OTS 61-31291) Transl. 14308
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 3(5):597-636. 1959.
CFSTI: \$0.50.
- 71897 WILLM, C. Physical characteristics and behavior in milling. (Fr) Paris. Ecole Franc. Meun. Bull. Anciens Eleves 209:233-246. Nov. 1965. 298.9 P21
- 71898 WILLS, W. J. Problems in grain transportation. Southern Ill. Univ. Sch. Agr. Publ. 22, 31 p. 1965? 276 So83A
Rates and costs included.
- 71899 WISE, M., SUNDERMAN, D., and SNEED, E. M. Comparisons of the accuracy of macro, semi micro and micro sedimentation tests for wheat. Northwest. Miller 273(6):48-52. June 1966. 298.8 N81
- 71900 WRITERS, L. Grain handling sparks controversy at Vancouver. Can. Milling Feed 47(5):20-23. May 1966. 298.8 C162
Includes storage and loading.
- 71901 WYSS, E. Corn—its origin and use. (Ge) Muhle 102(39):748-749. Sept. 30, 1965. 298.8 M89

HONEY AND BEESWAX

- 71902 AGNALT, S. The honey price 1965. (No) Bi-rokteren 82(1):4-5. Jan. 1966. 424.8 B53
Comments on article by S. Nilssen.

LIVESTOCK AND LIVESTOCK PRODUCTS

- 71903 ANTONOV, S. Progress and plans for further development of the meat and dairy industry of the USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 111:12-21. Mar. 28, 1966. (JPRS 34,746; TT 66-31185) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 3:7-8. Jan. 1966.
Issued by CFSTI.
- 71904 BALOMIRI, E. Achievements and long-range measures in the field of animal husbandry in Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:22-29. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Revista de Zootehnie si Medicina Veterinara 1:5-10. Jan. 1966.
Issued by CFSTI.
- 71905 BUZDIN, I. The meat industry in the first half of 1964. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:24-28. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Myasnaya Industriya SSSR 5:5-6. 1964.
Issued by CFSTI.
- 71906 CLARKSON, L. A. The leather crafts in Tudor and Stuart England. Agr. Hist. Rev. 14(1):25-39. Ref. 1966. 30.98 Ag82
- 71907 CONGRES DES INSTITUTS DE RECHERCHES SUR LES VIANDES, 11, BELGRADE, 1965. [Papers]. Belgrade, 1965. 2 v. 50.9 R312P
- 71908 GYORI, M. Hungary's meat production and the domestic meat supply. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:6-24. Apr. 27, 1966. (JPRS 35,209; TT 66-131646) 173 J663Ste
Translation from Kozgazdasagi Szemle 3:302-314. Mar. 1966.
Issued by CFSTI.
- 71909 HOPKIN, J. A. A look ahead at meat industry. Nat. Provisioner 154(20):38-40. May 14, 1966. 286.85 N21
- 71910 HSIAO, C. J. Revival of the livestock industry in mainland China. (Ch) Issues Stud. 5(3):51-56. Dec. 1965. 280.8 W48

- 71911 INSTITUTO LATINOAMERICANO DE MERCA-
DEO AGRICOLA. Consideraciones sobre la
ganaderia porcina y el mercado de carne de
cerdo en Colombia [Considerations on swine
raising and the pork market in Colombia], by
E. L. Littmann. Bogota, 1965. 17 p.
HD9435.I42I5
- 71912 KROHN, H. Is the production in case of crisis
assured? (Ge) Tierzuchter 18(7):204-205.
Apr.5,1966. 49 T445
- 71913 LI, W. C. The status and functions of animal
husbandry in the national economy. U. S. Joint
Publ. Res. Serv. Transl. Ching-chi Yen-chiu
(Econ. Res.) 11:48-56. Jan.18,1966.
(JPRS 33,768; TT 66-30211) 173 J663Trf
Translation from Ching Chi Yen Chiu 11:23-
27. Nov.20,1965.
Issued by CFSTL
- 71914 LILJENQUIST, L. B. Down under with
WSMPA [Western States Meat Packers Associa-
tion]. 2. More New Zealand. Nat. Provisioner
154(21):10-11,44-46. May 21,1966.
286.85 N21
- 71915 MARSH, E. E. The sheep industry. Nat. Wool
Grower 56(5):16-19,25. May 1966. 45.8 N21N
Statement before the National Advisory Com-
mission on Food and Fiber.
- 71916 MULLER, B. Grass and beef in Tarn-et-
Garonne. (Fr) Bull. Engrais 485:247-251.
Dec.1965. 57.8 B87
Includes marketing.
- 71917 MURRA, G. E. Agricultural policy and the
livestock industry. La. Rural Econ. 28(2):2-
5. May 1966. 281.8 L93
- 71918 PARIS. INSTITUT TECHNIQUE DU PORC.
Compte-rendu d'activite [Report of activity].
1965. Paris, 1966. 19 p. 50.9 P212
- 71919 PEARSON, A. M. What's new in research.
Nat. Provisioner 154(20):84,91. May 14,1966.
286.85 N21
Review of literature.
- 71920 PHU, N. B. Let us understand the State scheme
for encouraging the raising of sows and stock
boars. U. S. Joint Publ. Res. Serv. Transl. N.
Vietnam's Econ. 175:11-13. June 9,1965.
(JPRS 30,516) 173 J663Trn
Translation from Khoa Hoc Ky Thuat Nong
Nghiep 49:28-29. Apr.15,1965.
Issued by CFSTL
- 71921 ROF CODINA, J. Production of milk-fed veal
in Portugal. (Sp) Cult. Mod. 49(3):104. Mar.
1966. 15 C89
- 71922 STRAUB, I. Some words about India's meat in-
dustry and the main aspects of its industrial
development. (Hu) Husipar 15(2):83-85.
Mar./Apr.1966. 50.8 H95
English summary.
- 71923 SUBBOTIN, V. YA. Present situation and per-
spectives of livestock development in northern
regions of Kazakhstan. (Rus) Zhivotnovodstvo
4:28-29. Apr.1966. 49 Z6
- 71924 VICTORIA, S. Livestock development and meat
exports. (Sp) Rev. Nac. Agr. 57(724):17-18.
Aug.1965. 9.4 R32
Colombia.
- 71925 YORGASON, V. W. Current trends in the
slaughter cattle industry. (Fr) Situation Agr.
Can. 26(3):31-34. May 1965. 281.8 Si8
- Analysis and Composition**
- 71926 ALSMEYER, R. H., and others. Beef and pork
tenderness measured by the press, Warner-
Bratzler, and STE methods. Food Technol.
20(5):115-117. May 1966. 389.8 F7398
J. W. Thornton, R. L. Hiner, and N. C. Bol-
linger, joint authors.
- 71927 BRISKEY, E. J., and others. Biochemical as-
pects of post-mortem changes in porcine mus-
cle. J. Agr. Food Chem. 14(3):201-207. Ref.
May/June 1966. 381 J8223
L. L. Kastenschmidt, J. C. Forrest, G. R.
Beecher, M. D. Judge, R. G. Cassens, and
W. G. Hoekstra, joint authors.
- 71928 BROWN, G. L., and GRIEF, M. Wetting and
penetration of leather. (Fr) Rev. Tech. Indus.
Cuir 58(4):110-114. Apr.1966. 303.8 C89
English summary.
- 71929 CHUNG, R. A., MCKAY, J. A., and RAMEY,
C. L. Fatty acid changes in beef, pork, and
fish after deep-fat frying in different oils.
Food Technol. 20(5):123-125. Ref. May 1966.
389.8 F7398
- 71930 DONNELLY, T. H., RONGEY, E. H., and
BARSUKO, V. J. Protein composition and
functional properties of meat. J. Agr. Food
Chem. 14(3):196-200. Ref. May/June 1966.
381 J8223
- 71931 DVORAK, Z., and VOGNAROVA, I. Maillard
reaction in meat and meat products in relation
to their biological value. (Cz) Veterinarstvi 15
(11):494. 1965. 41.8 V6439
Amino acids in proteins.
- 71932 FISCHER, R., BENKENDORK, F. G., and
KOCHAN, C. Determination of added ascorbic
acid in minced meat. II. (Ge) Fleischwirtschaft
45(10):1181-1182,1185-1187. Oct.1965.
280.38 F62
English summary.
- 71933 FOX, J. B. The chemistry of meat pigments.
J. Agr. Food Chem. 14(3):207-210. Ref.
May/June 1966. 381 J8223
- 71934 GADDIS, A. M., and others. Carbonyls in oxi-
dizing fat. X. Quantitative differences in indi-
vidual aldehydes isolated from autoxidized lard
by mild methods of extraction. Amer. Oil
Chem. Soc. J. 43(4):242-244. Ref. Apr.1966.
307.8 J82
R. Ellis, G. T. Currie, and F. E. Thornton,
joint authors.
- 71935 GILKA, J. Physical and chemical changes in
food of animal origin during the cooling and
freezing in relation to deficient sanitation. (Cz)
Veterinarstvi 16(4):170-174. 1966. 41.8 V6439
- 71936 GLOVER, W., KIRSCHENBAUM, H., and CALD-
WELL, A. Test for the determination of starch
in meat food products (applicable for estima-
tion of cereal in sausages). Ass. Offic. Anal.
Chem. J. 49(2):307-309. Apr.1966. 381 As7
- 71937 GUNTHER, H., and SCHWEIGER, A. Changes
in the concentration of lactic acid and free
sugars in post-mortem samples of beef and
pork muscle. J. Food Sci. 31(3):300-308. Ref.
May/June 1966. 389.8 F7322
- 71938 KAHN, L. D., and WITNAUER, L. P. The vis-
cometric behavior of solubilized calf skin col-
lagen at low rates of shear. J. Biol. Chem.
241(8):1784-1789. Ref. Apr.25,1966. 381 J824
- 71939 LINKE, H., and others. The muscles in meat
cuts. I. Beef cuts. (Ge) Fleischwirtschaft 45
(5):434-438,441-445. May 1965. 280.38 F62
F. Wirth, W. Woltersdorf, and M. Schadeck,
joint authors.
English summary.
- 71940 LINKE, H., and FLEISCHMANN, O. Composi-
tion and behavior of connective tissue in slaugh-
ter animals. (Ge) Z. Lebensmittel-Untersu-
chung -Forsch. 129(5):261-267. Ref. 1966.
384 Z39
- 71941 LINKE, H., and SCHEPER, J. Representative
random sampling of raw sausage. (Ge) Arch.
Lebensmittelhyg. 17(3):54-56. Mar.1966.
41.8 L49
- 71942 LORANT, B., and POLLAK, G. Determination
of water content in meat products by means of
the acetylchloride method. (Ge) Fleischwirt-
schaft 45(10):1188-1190. Oct.1965. 280.38 F62
English summary.
- 71943 MARSH, B. B., and LEET, N. G. Studies in
meat tenderness. III. The effects of cold short-
ening on tenderness. J. Food Sci. 31(3):450-459.
Ref. May/June 1966. 389.8 F7322
- 71944 MCCOY, D. W., and FABER, J. E. Influence
of food microorganisms on staphylococcal
growth and enterotoxin production in meat.
Appl. Microbiol. 14(3):372-377. Ref. May
1966. 448.3 Ap5

- 71945 MCINTOSH, E. N. Characterization of mucoprotein in bovine skeletal muscle. *J. Food Sci.* 31(3):337-343. Ref. May/June 1966. 389.8 F7322
- 71946 OLGAARD, K. Determination of the relative bacteria figure on swine carcasses and equipment through the aid of the agar sausage method. (Da) Danske Dyrægefor. Medlemsbl. 49(7):298-305. Apr.1,1966. 41.9 D23
- 71947 ONLEY, J. H., and BERTUZZI, P. F. Rapid extraction procedure for chlorinated pesticide residues in raw animal tissues and fat and meat products. *Ass. Offic. Anal. Chem. J.* 49(2):370-374. Apr.1966. 381 As7
- 71948 POULTER, J. G., and WARD, A. G. The mechanical properties of chrome tanned sheepskin. Variation of properties with position. *Soc. Leather Trades' Chem. J.* 50(4):130-138. Apr.1966. 303.9 So12
Includes tests.
- 71949 REUTER, H. Production control in meat processing factories. (Ge) *Fleischwirtschaft* 45(10):1172-1174. Oct.1965. 280.38 F62
English summary.
- 71950 SALERNI, A., CALCINARDI, C., and GIOLITTI, G. Investigations on meats packed in vacuum plastic bags. *Vet. Ital.* 16(11/12):760-768. Nov./Dec.1965. 41.8 C87
Text also in Italian, p.747-759.
Bacteriological study.
- 71951 SOMMER, R., ROMMEL, M., and LEVETZOW, R. Survival time of toxoplasmic cysts in meat and meat products. (Ge) *Fleischwirtschaft* 45(5):454-457. Ref. May 1965. 280.38 F62
English summary.
Pork.
- 71952 SYMPOSIUM ON CHEMISTRY OF MEAT QUALITY AND PROCESSING. [Proceedings]. *J. Agr. Food Chem.* 14(3):196-217. Ref. May/June 1966. 381 J8223
D. M. Doty, chairman.
- 71953 TRAUTMAN, J. C. Effect of temperature and pH on the soluble proteins of ham. *J. Food Sci.* 31(3):409-418. Ref. May/June 1966. 389.8 F7322
- 71954 WENIGER, J. H., and others. Continuous pH measurements on swine carcasses of different weights. (Ge) *Fleischwirtschaft* 45(5):445, 448-450,453. Ref. May 1965. 280.38 F62
D. Steinhilf, P. Glodek, and E. Kallweit, joint authors.
English summary.
- Consumption and Utilization
- 71955 GALINDO, A. Use of dead animal carcasses in the country. (Sp) *Cult. Mod.* 49(4):139. Apr. 1966. 15 C89
Processing for feed or fertilizer.
- Distribution, Marketing, and Transportation
- 71956 AYALA MARTIN, E. Marketing of rabbit meat. IV. (Sp) *Cult. Mod.* 48(10):367-368. Oct.1965. 15 C89
- 71957 AYALA MARTIN, E. Marketing of rabbit meat. V. (Sp) *Cult. Mod.* 48(11):413-414. Nov.1965. 15 C89
- 71958 BOCKENHOFF, E. Forecast of the swine market; evaluation of the swine census of March 3, 1966. (Ge) *Agrarwirtschaft* 15(4):137-142. Apr.1966. 281.8 Ag826
English summary.
- 71959 BYRNE, R. J. Transportation interests. *Livestock Conserv. Proc.* 1965:19-22. 280.3409 L75A
- 71960 CANADA. DEPT. OF AGRICULTURE. PRODUCTION MARKETING BR. MARKETS INFORMATION SECT. Forty-sixth annual livestock market review 1965. Ottawa, 1965. 105 p., map. 280.39 C16A
Statistics.
- 71961 CHICAGO MERCANTILE EXCHANGE. STATISTICAL DEPT. Year book 1965-1966, containing daily price ranges for 1965 and early 1966 futures contracts traded on the Chicago Mercantile Exchange and various statistical information on: eggs, frozen eggs, butter, cheese and other dairy products, turkeys, frozen shrimp, skinned hams, pork bellies, live cattle, hogs and dressed beef carcass. Chicago, 1965. 253 p. 287 C435Y
- 71962 FERRIS, J. Beef futures. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 1,11 p. May 1965. 281.9 M5842
Cattle.
- 71963 KALE, S. M. Transportation of sheep by rail and road. *Indian Vet. J.* 43(4):354-357. Apr. 1966. 41.8 In2
- 71964 KOZICH, P. Measures to improve the system of procurements and deliveries of livestock to industry. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 73:28-36. June 2,1965. (JPRS 30,369) 173 J663Tso
Translation from *Myasnaya Industriya SSSR* 2:58-60. 1965.
Issued by CFSTI.
- 71965 KREBS, K. Legal bases for the modernization of the French meat market. (Ge) Germany. *Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)* 43(3):606-616. 1965. 18 G31
- 71966 LADD, G. W., and KUANG, H. Optimal beef and pork marketings. *J. Farm Econ.* 48(2): 209-224. May 1966. 280.8 J822
- 71967 LE PERE DE GRAVERON, J., and LINGUENHELD, R. Le marche de la viande en France; etude retrospective de 1950 a 1964 [The meat market in France; retrospective study from 1950 to 1964]. Rennes. *Cent. Rech. Econ. Sociol. Rurales Ouest Agr. Etudes Econ. Rurale* 15 (49/50),182 p. Sept./Dec.1965. 281.9 R29
- 71968 LINTON, D. A. Livestock and meat marketing. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:32-34. 275.29 AL1Su
Extension programs.
- 71969 MCCREIGHT, R. B. Market interests. *Livestock Conserv. Proc.* 1965:22-23. 280.3409 L75A
- 71970 NIEHAUS, H. Die Vermarktungswege für Schlachtvieh in der Bundesrepublik Deutschland [Marketing methods for slaughter livestock in the German Federal Republic]. Giessen. Justus-Liebig-Univ. Landwirt. Fak. [Diss.] 10, 143 p.,map. Ref. 1965. 105.8 G36
- 71971 NORTHERN IRELAND. PIGS MARKETING BOARD. Thirty second annual report and accounts, 1965. Belfast, 1966. 16 p. 280.3469 N81
- 71972 PETRICEK, M. Solution of the problems of sanitary distribution of meat products. (Cz) *Veterinarstvi* 16(4):177-179. 1966. 41.8 V6439
- 71973 RIZEK, R. L., JUDGE, G. G., and HAVLICEK, J. Spatial structure of the livestock economy. III. Joint spatial analysis of regional slaughter and the flows and pricing of livestock and meat. *S. Dak. Agr. Exp. Sta. Bull.* 522,64 p.,map. Ref. Oct.1965. 100 So82
Agricultural Experiment Stations of Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin, and U. S. Department of Agriculture, cooperating.
- 71974 STEDING, R. Some problems of animal production in view of the market. (Ge) *Tierzucht* 20(4):192-194. Apr.1966. 49 T443
- 71975 THOMPSON, D. E. Pooled purchases cut costs. *Farm Quart.* 21(3):64-65,124,126. Summer 1966. 6 F22995
For swine in Illinois.
- 71976 U. S. CONSUMER AND MARKETING SERV. PACKERS AND STOCKYARDS DIV. The Packers and Stockyards Act; what it is, how it operates. U. S. D. A. PA-399, slightly rev., 9 p.,map. July 1965. 1 Ag84Pro
Chiefly livestock and meat marketing.

Grading, Inspection, Standardization, and Quality

- 71977 CANZIANI, P. Article 31 of the meat inspection regulations (R. D. December 20, 1928-No. 3298) in the Constitution. (It) Clin. Vet. 89 (2):47-52. Feb.1966. 41.8 C61
- 71978 CARPENTER, J. A., SAFFLE, R. L., and CHRISTIAN, J. A. The effects of type of meat and levels of fat on organoleptic and other qualities of frankfurters. Food Technol. 20(5): 125-127. Ref. May 1966. 389.8 F7398
- 71979 HADLOK, R. Bacteriological standards as a means of evaluating canned meats? (Ge) Fleischwirtschaft 45(10):1174-1177. Ref. Oct. 1965. 280.38 F62
English summary.
- 71980 HADZIHILIOVIC, F., and BEGANOVIĆ, A. H. Food poisoning with sausages contaminated with staphylococci. (Se) Veterinaria [Sarajevo] 14(2):273-274. 1965. 41.8 V6494
English summary.
- 71981 HARMS, F. Freshness guarantee for meat products. (Ge) Fleischwirtschaft 45(10):1169. Oct.1965. 280.38 F62
In self-service stores.
- 71982 KASZOWSKI, S. The quantitative method of evaluating rabbit pelts. 55 p. Ref. (OTS 60-21578) Transl. 14300
Translation from Roczniki Nauk Rolniczych. Ser. B, 71(3):469-533. 1957.
CFSTI: \$0.50.
- 71983 LEIGHTY, J. C. C&MS meat inspectors help in eradicating TB. Agr. Marketing [Washington] 11(5):11. May 1966. A280.38 Ag8
Human protection from bovine TB.
- 71984 LOGAN, J. R., and MEDVED, E. Effects of prior knowledge about composition on scoring of simulated meats. Food Technol. 20(5):107-108. May 1966. 389.8 F7398
Flavor for meat dishes.
- 71985 MADSHUS, K., STROMME, A., and KOREN, K. Cesium-137 in milk, meat, and man in Norway, 1962-1965. Radiol. Health Data Rep. 7 (2):61-63, map. Feb.1966. 151.65 R11
- 71986 TORRELE, G., and MARTIN, J. Estimation of the composition of the 3 ribcut 7,8, 9 (bull carcasses) by means of density measurements. (Fl) Ghent. Landbouwhogeschool. Mededel. 30 (4):2063-2071. Ref. 1965. 105.1 G344
English summary.
- 71987 TOREK, F., and others. The correlation between organoleptic evaluation of measurable characteristics of pig meat. (Ge) Zuchtungskunde 38(1/2):65-70. Ref. Jan./Feb.1966. 49 Z8
F. Lettner, G. Steinacker, and W. Pichler, joint authors.
English summary.
- 71988 U. S. CONSUMER AND MARKETING SERV. Official United States standards for grades of feeder pigs. U. S. Consum. Marketing Serv. C&MS-SRA 189,4 p. Feb.1966. 1 M34S
- 71989 ZATOCIL, O., and GILKA, J. Possibilities of spreading foot-and-mouth disease with meat products. II. (Cz) Veterinarstvi 15(11):489-493. Ref. 1965. 41.8 V6439
- 71990 ZURECK, F. Defects in leather made of swine hides. (Ge) Leder 17(4):83-87. Ref. Apr.1966. 303.8 L492
English summary.

Packing and Packaging

- 71991 NUERNBERG, K. L. Volume feeders can get portion-cut meat products. Agr. Marketing [Washington] 11(5):15. May 1966. A280.38 Ag8
- 71992 ZIEGLER, J. Cut meat on the half-automatic packing line. (Ge) Verpackungs-Rundsch. 30: 78. 1966. 280.38 V592
- Prices, Price Control, and Rationing
- 71993 PALLOS, L. Ideas in connection with regulation of producer prices of cattle. (Hu) Gazdalkodas 10(2):55-60. Apr.1966. 281.8 G25

71994

WOOLF, W. F., and FIELDER, L. L. Seasonal movements of hog prices at Louisiana auctions. La. Rural Econ. 28(2):9-12. May 1966. 281.8 L93

Processing and Storage

- 71995 BARANENKOV, M. A. Disinfection and conservation of sheepskin infected with *Listeria*. (Rus) Veterinariya 3:99-101. Mar.1966. 41.8 V6426
- 71996 BRIGGS, P. S. The kinetics of chrome tannage. V. A possible explanation of the mode of action of glucose reduced chrome liquors. Soc. Leather Trades' Chem. J. 50(4):139-143. Apr. 1966. 303.9 S012
- 71997 DUSHIN, B. M., and DERBAREMDIKER, M. L. Studies in impregnating chromium-treated hides with aqueous dispersions of polymers. (Rus) Vyssh. Uchebn. Zavedenii. Tekhnol. Legk. Prom-sti. Izv. 1:99-104. 1965. Not in Libr.
Processing.
Abstracted in Ref. Zh. Khim. 19(sect.S):130. Oct.1965. 241.64 R252
- 71998 EISNER, M. Rotation sterilisation of canned meats and sausages. (Ge) Fleischwirtschaft 45(10):1193-1194, 1197-1198. Oct.1965. 280.38 F62
English summary.
- 71999 FRAMPTON, G. A. Continuous rendering of animal fats. Australian Food Manufacture Distributor 34(4):26,28,30. Nov.9,1964. 389.8 Au7
- 72000 GINSBERG, A. The new approach to meat hygiene. New Zeal. Vet. J. 13(4):81-85. Aug. 1965. 41.8 N483
- 72001 GRISHILO, L. I., SHKARANDA, I. T., and KO-TOV, M. P. Research on the reflux method of chrome tanning. (Rus) Vyssh. Uchebn. Zavedenii. Tekhnol. Legk. Prom-sti. Izv. 1:91-98. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.S):128. Oct.1965. 241.64 R252
- 72002 GUSTAVSON, K. H. The function of the basic groups of collagen in its reaction with vegetable tannins; a review. Soc. Leather Trades' Chem. J. 50(4):144-160. Ref. Apr.1966. 303.9 S012
Chemistry.
- 72003 HADLOK, R. Food-damaging bacteria, their importance and the influencing through sanitation and disinfection of plant and equipment. (Ge) Fleischwirtschaft 45(10):1178-1181. Ref. Oct.1965. 280.38 F62
In the meat industry.
- 72004 HEEL, H. The degree of effectiveness and economic importance of a modern lanolin extraction system. II. (Ge) Fette, Seifen, Anstrichmittel 68(4):269-273. Apr.1966. 384 C422
- 72005 KERIMOV, CH. Disinfection of wool and sheepskin in case of braxy. (Rus) Veterinariya 3: 101-104. Mar.1966. 41.8 V6426
- 72006 KOOPMANN. Mechanical cleaning of beef casings at the Hamburg slaughterhouse. (Ge) Fleischwirtschaft 45(11):1160,1163-1164. Oct.1965. 280.38 F62
English summary.
- 72007 KOPPANY, J. E. Evolution of "corfam" during the last twelve months. (Fr) Rev. Tech. Indus. Cuir 58(4):136,138,140-141. Apr.1966. 303.8 C89
In relation to leather industry.
- 72008 LANDMANN, W. A., and BATZER, O. F. Influence of processing procedures on the chemistry of meat flavors. J. Agr. Food Chem. 14(3): 210-214. Ref. May/June 1966. 381 J8223
- 72009 MASSI, O. In-vitro pepsin-hydrochloric acid digestibility of hams according to the seasoning methods. Vet. Ital. 16(10):719-727. Oct. 1965. 41.8 C87
Text also in Italian, p.707-718.

- 72010 MOERMAN, P. C., and others. Influence of sodium sulfite on the growth of *Salmonellae* and *E. coli* in raw chopped meat. (Du) *Conserva* 14(8):172-175. Ref. Feb.1966. 389.8 C7632
B. Krol, E. H. Kampelmacher, and L. M. van N. Jansen, joint authors.
French summary.
- 72011 PARRISH, F. C., and BAILEY, M. E. Physico-chemical properties and partial purification of porcine muscle cathepsin. *J. Agr. Food Chem.* 14(3):232-237. Ref. May/June 1966. 381 J8223
- 72012 PETROVIC, R. Problems of the control of production and marketing of food of animal origin. (Se) *Vet. Glas.* 19(12):957-960. 1965. 41.8 J93
Sanitation.
- 72013 POTTER, G. Tips for proper brine curing of hides. *Nat. Provisioner* 154(20):45. May 14, 1966. 286.85 N21
- 72014 RUSU, D., and others. The use of activated chloramine as an efficient disinfectant in the meat industry. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:277-281. 1964/65. 389.9 R86
C. Constantinescu, T. Lazar, and E. Mercione, joint authors.
English summary.
- 72015 SANDERSON, A., PEARSON, A. M., and SCHWEIGERT, B. S. Effect of cooking procedure on flavor components of beef: carbonyl compounds. *J. Agr. Food Chem.* 14(3):245-247. Ref. May/June 1966. 381 J8223
- 72016 SCHAFER, K. The tanning of E.I. skins by the RFP process. *Tanner* 20(10):335-336. Mar. 1966. 303.8 T15
Sheep and goats.
- 72017 SCHAUFELBERGER, K. J. Home slaughtering and deep freezing. (Ge) *Schweiz. Milchzeitung* 92(29):227-228. Apr.13,1966. 44.8 Sch92
Pork; includes freezing of other foods, as well.
- 72018 SHRODER, B. Meat; proper method and facility can solve shrinkage loss. *Can. Food Indus.* 37(1):36-37. Jan.1966. 286.83 C166
Refrigeration.
- 72019 SIMONCINI, A., PEZZO, L. DEL, and GELSO-MINO, M. Enzymatic unhairing of cattle skins for the production of leather for shoes. (Fr) *Rev. Tech. Indus. Cuir* 58(4):115-116,119-120, 122,124,126,128,130,132,134-135. Ref. Apr. 1966. 303.8 C89
English summary.
- 72020 SZEREDY, I. Experiments on the application of smoke-solution in dry sausages. (Hu) *Husipar* 15(2):57-59. Mar./Apr.1966. 50.8 H95
English summary.
- 72021 THORNE, G. B. Packing interests. *Livestock Conserv. Proc.* 1965:23-27. 280.3409 L75A
- 72022 TILGNER, D. J. The technology of cooking by the grilling method. *Fleischwirtschaft* 45(10):1150-1153. Ref. Oct.1965. 280.38 F62
Text also in German, p.1145-1149.
- 72023 VALDECANTOS JIMENEZ, A. Changes produced in the quality of beef under different freezing speeds. (Sp) *Rev. Frio* 10(2):55-58. Apr./June 1965. 295.8 R324
English summary.
- 72024 VALDECANTOS JIMENEZ, A., POZO FERNANDEZ, R., and GARCIA MATAMOROS, E. Study on the refrigeration and freezing of sheep carcasses. (Sp) *Rev. Frio* 10(1):13-18. Jan./Mar.1965. 295.8 R324
English summary.
- 72025 VOGEL, H. Tannins from sulphite cellulose liquors. (Ge) *Leder* 17(4):74-76. Apr.1966. 303.8 L492
- 72026 WITT, M., and others. Research on the influence of various factors on the cooking losses in canned hams (American hams). (Ge) *Fleischwirtschaft* 45(5):429-433. (Cont.) May 1965. 280.38 F62
L. J. Schroder, U. Andreae, W. H. Rappen, and D. K. Flock, joint authors.

- 72027 YASUI, T., and HASHIMOTO, Y. Effect of freeze-drying on denaturation of myosin from rabbit skeletal muscle. *J. Food Sci.* 31(3):293-299. Ref. May/June 1966. 389.8 F7322
- 72028 ZAUSCHER, F. Basic operations in the tanning process. II. (Sp) *Inst. Invest. Technol. Rev.* 7(34):25-27. Mar./Apr.1965. 241.4 In73
Colombia.

Statistics

- 72029 ANDERSSON, A. Sveriges hastbestand [The horse population of Sweden]. Stockholm. Jordbrukets Utredningsinst. Medd. 5,79 p. 1965. 11 St63M
English summary.
- 72030 PRODUCTSCHAP VOOR VEE EN VLEES. AFDELING STATISTIEK. Jaarrapport [Annual report of the Statistics Section of the Production Office for Livestock and Meat] 1965. n. p., 1966. 60 p. 50.9 P94
- 72031 ROF CODINA, J. Census of store cattle. (Sp) *Cult. Mod.* 49(4):139-140. Apr.1966. 15 C89
- 72032 STUBER, H. Pork production and outlook. (Ge) *Schweiz. Milchzeitung* 92(33):261-262. Apr.26,1966. 44.8 Sch92
Statistical.
- 72033 U. S. CROP REPORTING BOARD. Livestock slaughter, meat and lard production, 1965. Washington, 1966. 34 p. 1.941 H8L7557

OILS AND OILSEEDS

- 72034 ACHMAWI, H. The development of the edible oil industry in the UAR. *Soybean Dig.* 26(8):66. May 1966. 60.38 So9
Includes utilization research.
- 72035 ADDOCK, R. E. Promotion of African oilpalm culture. (Sp) *Soc. Antioquena Agr. Bol. Agr.* 542:10050-10052. Aug.1965. 9.4 Sol
Policy for Colombia.
- 72036 AKRAMOVA, A. S., and others. Oils from seeds of several species of leguminous plants. (Rus) *Uzbekskii Khim. Zhur.* 6:31-36. 1964. 385 Uz1
A. I. Glushenkova, A. L. Markman, G. A. Stepanenko, A. U. Umarov, and T. V. Chernenko, joint authors.
Goebelia alopecuroides, *Thermopsis alterniflora*, and *Psoralea drupacea*.
Abstracted in Ref. *Zh. Khim.* 19(sect.R):43. Oct.1965. 241.64 R252
- 72037 AMORE, G. D', and SERGI, G. Recognition and spectrophotometric determination of chalcones in lemon oil. (It) *Rass. Chim.* 18(1):8-12. Ref. Jan./Feb.1966. 385 R18
- 72038 ANDERS, D. E., and PRYDE, E. H. Infrared spectrophotometric procedure for determining azelaaldehydic acid derivatives. *Amer. Oil Chem. Soc. J.* 43(5):305-306. Ref. May 1966. 307.8 J82
Vegetable oils.
- 72039 ANDERSEN, A. J. C., and WILLIAMS, P. N. *Margarine*. Ed. 2, rev. Oxford, Pergamon Press, 1965. 420 p. SF268.A5
Bibliography, p.397-410.
Includes raw materials, manufacture, storage, analysis, and legislation.
- 72040 ATHERTON, C. I., and KERTESS, A. F. The influence of the stereoisometric and conjugated fatty acids, especially dehydrated castor oil fatty acids, on the properties of alkyd resins. (Ge) *Fette, Seifen, Anstrichmittel* 68(4):279-282. Apr.1966. 384 C422
English summary.
- 72041 BARRETT, C. B., and HENRY, C. M. Heat-induced changes during processing and use of edible fats. *Nutr. Soc. Proc.* 25(1):4-9. 1966. 389.9 N953
- 72042 BHUTTO, MRS. K. Many helped by U.S. program. *Soybean Dig.* 26(8):48. May 1966. 60.38 So9
Through the Soybean Council of America, in its aid to food relief, in Pakistan.

- 72043 BINET, L., and WELLERS, G. Contribution to the study of the nutritional quality of heated edible fats. (Fr) *Ann. Nutr. Aliment.* 20(1,mem.orig.):25-31. 1966. 389.8 An73
- 72044 BRAAE, B., and NYMAN, M. Some factors affecting the stability to oxidation and the flavour of deodorized soybean and rapeseed oils. (It) *Riv. Ital. Sostanze Grasse* 43(4):133-139. Apr. 1966. 307.8 OL3
English summary.
- 72045 BROWN, M. A. Soy flour in the modern U.K. bakery. *Soybean Dig.* 26(8):62-64. May 1966. 60.38 So9
- 72046 BULLER, A. R., and KLIS, J. B. Spun soy protein foods get supermarket sales tests. *Food Process./Marketing [Chicago]* 26(9):115-117,120. Sept.1965. 389.8 F7325
Meat substitutes.
- 72047 BUTTERY, R. G., BLACK, D. R., and LING, L. Methyl geranate in hop oil. *Inst. Brewing J.* 72(2):202-204. Mar./Apr.1966. 390.9 In7
- 72048 CATTANEO, P., and others. Cottonseed oils of national production; composition in fatty acids. (Sp) *Inform. Grasas Aceites. Bol.* 3(6):16-30. Ref. Aug.1965. 307.8 In3
N. C. Costanzo, G. K. de Sutton, M. H. Bertoni, and J. M. Canal, joint authors.
Argentina.
- 72049 CHAKRABARTY, M. M., DAS, S., and TALAPATRA, K. Studies in interesterification. I. Production of edible fats from vegetable oils by directed interesterification. *Fette, Seifen, Anstrichmittel* 68(4):310-313. Apr.1966. 384 C422
- 72050 CHELAZZI, A. Potentialities for pressing in the extraction of oil from olive pulps. (It) *Riv. Ital. Sostanze Grasse* 43(4):140-154. Apr.1966. 307.8 OL3
English summary.
- 72051 CHIPAULT, J. R., and MIZUNO, G. R. Effect of ionizing radiations on antioxidants in fats. *J. Agr. Food Chem.* 14(3):221-224. Ref. May/June 1966. 381 J8223
- 72052 CHIPAULT, J. R., and MIZUNO, G. R. Effect of ionizing radiations on stability of fats. *J. Agr. Food Chem.* 14(3):225-229. May/June 1966. 381 J8223
- 72053 CONGRESSO ITALIANO DI STUDI SULLE SOSTANZE GRASSE, 8, IMPERIA-SANREMO, 1966. Summaries of addresses and communications of the Italian Congress of Studies on Fats. (It) *Riv. Ital. Sostanze Grasse* 43(4):117-128. Apr.1966. 307.8 OL3
- 72054 EARLE, F. R., and others. Compositional differences among Crambe samples and between seed components. *Amer. Oil Chem. Soc. J.* 43(5):330-333. Ref. May 1966. 307.8 J82
J. E. Peters, I. A. Wolff, and G. A. White, joint authors.
Seed and oil composition of Crambe abyssinica.
- 72055 EGAN, H. Pesticide residues in fat-containing foods and in human fat. *Nutr. Soc. Proc.* 25(1):44-51. Ref. 1966. 389.9 N953
- 72056 EPPLEY, R. M. Note on a developer for the thin layer chromatography of aflatoxins. *Ass. Offic. Anal. Chem. J.* 49(2):473-474. Apr.1966. 381 As7
In peanut products.
- 72057 ETTINGER, C. L., MALANOSKI, A. J., and KIRSCHENBAUM, H. The detection and estimation of animal fats in vegetable oils by gas chromatography. *Soap, Perfumery Cosmetics* 39(4):305-308. Apr.1966. 307.8 So13
- 72058 FEDELI, E., and others. Triterpene alcohols and sterols of vegetable oils. *Amer. Oil Chem. Soc. J.* 43(4):254-256. Ref. Apr.1966. 307.8 J82
A. Lanzani, P. Capella, and G. Jacini, joint authors.
- 72059 FISHER, J. F., and NORDBY, H. E. Two new coumarins from grapefruit peel oil. *Tetrahedron* 22(4):1489-1493. Apr.1966. 382 T29
- 72060 FONSECA GAMARRA, J. Castorbean culture and industry. (Sp) *Soc. Antioquena Agr. Bol. Agr.* 542:10036-10039,10042-10044. Aug.1965. 9.4 So1
Includes production costs in Colombia.
- 72061 FRANKEL, E. N., EMKEN, E. A., and DAVISON, V. L. Isomerization of unsaturated fatty esters by iron pentacarbonyl. Preparation of iron tricarbonyl complexes of polyunsaturated fats. *Amer. Oil Chem. Soc. J.* 43(5):307-311. Ref. May 1966. 307.8 J82
Soybean, linseed, and safflower oils.
- 72062 FREIER, B., and others. Research regarding margarine production from native vegetable oils. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:171-183. Ref. 1964/65. 389.9 R86
O. Popescu, A. M. Ille, H. Antoni, A. Poboran, and M. Cotutiu, joint authors.
English summary.
- 72063 FREIER, B., ANTONI, H., and POPESCU, O. Research in view of establishing correlations between the storage period and qualitative indices of the sun-flower oil. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:147-169. Ref. 1964/65. 389.9 R86
English summary.
- 72064 FREZZOTTI, G. Progress in olive oil extraction. (It) *Macch. Motori Agr.* 24(4):71-82. Apr.1966. 58.8 M13
Mechanical.
- 72065 HALMAI, J. Retrospect on the history of volatile oil manufacture of Hungary. (Hu) *Herba Hung.* 4(2):27-33. 1965. 71.8 H413
- 72066 HARDING, J. Where the oil companies have failed. *Development* 81:20-21,23. Spring 1966. 280.8 D49
Industry in Ireland.
- 72067 HAYASHI, S. There's an increasing trend to soybean oil in Japan. *Soybean Dig.* 26(8):68-69. May 1966. 60.38 So9
- 72068 HAYNES, D. J. Another breakthrough for soybeans develops flavor-stable soybean oil. *Food Process./Marketing [Chicago]* 27(5):122-123. May 1966. 389.8 F7325
- 72069 HELSINGFORS, UNIVERSITETET, RAVINTOKEMIAN LAITOS. Final technical report on investigation of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids as a practical method for producing pure unsaturated fatty acids, to provide a basis for new or improved uses of linseed and soybean oils, February 24, 1960-February 28, 1965. Helsinki, 1965. various paging. 307 H3622
Project No. UR-E8-(40)-2; Grant No. FG-Fi-106-60.
Submitted to U. S. Agricultural Research Service.
- 72070 HERRALDE, M. Action of light on fats. (Sp) *Inform. Grasas Aceites. Bol.* 3(6):7-8. Aug. 1965. 307.8 In3
- 72071 HERVATTE, K. D. Trade in non-edible oilseeds. *Indian Oilseeds J.* 9(4):249-252. Oct./Dec.1965. 307.8 In22
Domestic and foreign.
- 72072 HIRANO, K. Situation of soy industry in Japan. *Soybean Dig.* 26(8):38-39. May 1966. 60.38 So9
- 72073 HO, S. Y., and BROWN, W. D. Reactivities of lipid solvents with thiobarbituric acid. *J. Food Sci.* 31(3):386-388. Ref. May/June 1966. 389.8 F7322
- 72074 HOSHINO, M. Japanese margarine situation. *Soybean Dig.* 26(8):39-40. May 1966. 60.38 So9
Includes history.
- 72075 HUMPHREY, H. H. The war on hunger challenges soybeans! *Soybean Dig.* 26(8):12. May 1966. 60.38 So9
- 72076 HUTCHINS, R. P. The solvent extraction of cottonseed in the United States. *Oils Oilseeds J.* 18(9):9-11. Mar.1966. 307.8 Oi54

- 72077 ILLE, A. M., and others. Results on the production of monoglycerides. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:185-196. Ref. 1964/65. 389.9 R86
O. Popescu, A. Poboran, and C. Crainic, joint authors.
English summary.
- 72078 ILLE, A. M., and POPESCU, O. Research for the synthesis of acetoglycerides. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:197-213. Ref. 1964/65. 389.9 R86
English summary.
- 72079 ILLE, C., and BALANESCU, G. Study of the composition in fatty acids of some vegetable oils by gas chromatography. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:451-468. Ref. 1964/65. 389.9 R86
English summary.
- 72080 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of castorseed, 1964-65. New Delhi, 1965. 2 p. 269.5 In2Ac
- 72081 INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY. Recommended methods for the analysis of drying oils. Pure Appl. Chem. 10(3):190-237. 1965. 382 P97
- 72082 IVERSON, J. L. Fatty acid composition of white mustard seed oil by urea fractionation and gas-liquid chromatography. Ass. Offic. Anal. Chem. J. 49(2):332-336. Ref. Apr.1966. 381 As7
- 72083 KAPLAN, A. H. Food standards: a tempest in a peanut butter jar. Canner/Packer 135(5):30. May 1966. 286.83 C16
- 72084 KAUFMANN, H. P., and MUKHERJEE, K. D. Modern technology of fats and fat products. CXL The refining of fats. (Ge) Fette, Seifen, Anstrichmittel 68(4):319-326. Apr.1966. 384 C422
- 72085 KAUFMANN, H. P., RADWAN, S. S., and AHMAD, A. K. S. The thin-layer chromatography in the field of fats. XIX. (Ge) Fette, Seifen, Anstrichmittel 68(4):261-268. Apr.1966. 384 C422
English summary.
- 72086 KAUFMANN, H. P., and WESSELS, H. The triglyceride structures of olive oil and of a glyceride mixture synthesised by esterification of the olive oil fatty acids. (Ge) Fette, Seifen, Anstrichmittel 68(4):249-255. Ref. Apr.1966. 384 C422
English summary.
- 72087 KAWADA, T., MOOKHERJEE, B. D., and CHANG, S. S. Chemical reactions involved in the catalytic hydrogenation of oils. III. Amer. Oil Chem. Soc. J. 43(4):237-241. Apr.1966. 307.8 J82
- 72088 KIRK, L. D., MUSTAKAS, G. C., and GRIFFIN, E. L. Crambe seed processing: filtration-extraction on a bench scale. Amer. Oil Chem. Soc. J. 43(5):334-336. May 1966. 307.8 J82
From Crambe abyssinica.
- 72089 KROBER, O. A., and CARTTER, J. L. Relation of methionine content to protein levels in soybeans. Cereal Chem. 43(3):320-325. May 1966. 59.8 C33
- 72090 KURKELA, R., and ROINE, P. Refining of oleic and linoleic acids by zone melting. In Helsingfors. Universitetet. Ravintokemian Laitos. Final technical report on investigations of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids, article No.9,11 p. 1965. 307 H3622
- 72091 LAKSHMINARAYANA, T., SOMAYAJULU, B. A. R., and RAO, S. D. T. Processing of safflower seed. IV. Characteristics and composition of Indian safflower seed. Indian Oilseeds J. 9(4):303-309. Ref. Oct./Dec.1965. 307.8 In22
Oil content.
- 72092 LOURY, M., and FORNEY, M. Comparison of methods of determining the acidity of oils contained in certain oilseeds comprising medium short chains. (Fr) Rev. Franc. Corps Gras 13(5):339-341. May 1966. 307.8 R32
English summary.
- 72093 LUCK, H., and MAACK, R. The oscillographic polarography of oxidized fats. II. (Ge) Fette, Seifen, Anstrichmittel 68(4):305-310. Ref. Apr.1966. 384 C422
English summary.
- 72094 MAJUMDAR, D. K. Effect of seed size on the oil content of sarson seed. Indian Oilseeds J. 9(4):290-291. Oct./Dec.1965. 307.8 In22
- 72095 MALONE, P. J. Domestic utilization becoming a broader market factor for U.S.A. food fats and oils prices. Amer. Oil Chem. Soc. J. 43(5):214A,218A. May 1966. 307.8 J82
- 72096 MARKMAN, A. L., and SHAMSUTDINOV, R. Extraction of oil and gossypol with binary solvents. 6 p. Transl. 15122
Translation from Akademiya Nauk Uzbekskoi SSR. Doklady 19(11):23-25. 1962.
From cottonseed.
- 72097 MARKMAN, A. R., and SABIROR, Z. S. Two-stage extraction of raw cotton seed oil. 10 p. Transl. 14716
Translation from Masloboino-Zhirovaya Promyshlennost' 28(2):14-17. 1962.
- 72098 MARTIN, J. P. On the application of liquid extraction for the obtaining of fatty acid monoglycerides. 2. (Fr) Rev. Ferment. Indus. Aliment. 20(5):169-179. 1965. 390.08 R32
- 72099 MARTINENGHI, G. B. Elaidic acid in alimentary oils. (Fr) Oleagineux 21(4):225-229. Apr.1966. 77.8 OL2
English summary, p.XL.
- 72100 MARTINEZ, F. Edible fats and oils situation in Colombia. Soybean Dig. 26(8):72-73. May 1966. 60.38 So9
- 72101 MAYNE, R. Y., and others. Elaboration of aflatoxin on cottonseed products by Aspergillus flavus. Amer. Oil Chem. Soc. J. 43(4):251-253. Ref. Apr.1966. 307.8 J82
W. A. Pons, A. O. Franz, and L. A. Goldblatt, joint authors.
- 72102 MCCLEES, G. D. Cooperation—key to the future. Peanut J. Nut World 45(8):9. June 7,1966. 77.8 P313
Peanut industry and outlook.
- 72103 MIZUNO, I., and GUERRERO, A. H. Sunflower culture and industry. (Sp) Inform. Grasas Aceites. Bol. 3(5):25-35. Ref. July 1965. 307.8 In3
Argentina.
- 72104 MORA LOPEZ, A. Zenith process for the refining of fats and oils. (Sp) Inform. Grasas Aceites. Bol. 3(5):36-43. July 1965. 307.8 In3
- 72105 MORGANTINI, M., and GUIDUCCI, L. Preparation of glass capillary columns and study of the conditions for the separation of some isomers of oleic acid methyl esters. (It) Riv. Ital. Sostanze Grasse 43(4):155-161. Ref. Apr. 1966. 307.8 OL3
English summary.
- 72106 MURTI, K. S. Recent advances in solvent extraction of oils and fats. Indian Oilseeds J. 9(4):292-302. Ref. Oct./Dec.1965. 307.8 In22
- 72107 NATARAJA SARMA, P. S., and NITHYANANDAN, V. V. Identification of mustard oil and castor oil in other oils by paper chromatography. Cur. Sci. 35(2):43-44. Jan.20,1966. 475 Sci23
- 72108 NESHCHADIM, A. G. Destruction of cellular structure during preparation of oil seeds to extraction. 7 p. Transl. 14595
Translation from Masloboino-Zhirovaya Promyshlennost' 28(4):17-19. 1962.
- 72109 ORBAIZ, A. The safflower. (Sp) Soc. Rural Argent. An. 99(7):47-48,50. July 1965. 9 Sol
Industry.

- 72110 PAQUOT, C. Gas phase chromatography and lipochemistry. XII. (Fr) Rev. Franc. Corps Gras 13(5):319-325. May 1966. 307.8 R32 English summary.
- 72111 PEASON, B. F. Commercial development of cottonseed is result of American resourcefulness. Cotton Dig. 38(37):32. May 14, 1966. 286.82 C822
- 72112 PEDERSEN, F. Soybean oil in fish canning in Norway. Soybean Dig. 26(8):42,45-46. May 1966. 60.38 So9
- 72113 POLIAKOFF, J. Oilseeds and oil industry in Paraguay. (Sp) Inform. Grasas Aceites. Bol. 3(5):6-12, map. July 1965. 307.8 in3
- 72114 PRIESTER, R. The use of sterculic oil in the paint industry. (Ge) Fette, Seifen, Anstrichmittel 68(4):288-290. Apr. 1966. 384 C422 English summary.
From *Sterculia foetida*.
- 72115 PRYOR, C. C. Essential oil production. Soap, Perfumery Cosmetics 39(4):295-297. Apr. 1966. 307.8 So13
- 72116 RAMUNNI, A. Research on olive oil storage. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3) 30:1-13. Ref. 1964/65. 105.4 P83 English summary.
Includes chemical properties.
- 72117 REPUBLIC OF SOUTH AFRICA. BUR. OF STATISTICS. Industrial censuses, 1950-51 to 1960-61. Industry groups 55-57. Repub. S. Afr. Bur. Statist. Indus. Censuses, 1950-51-1960-61. Rep. I.C. 34,55 p. 1966. 270 So324I Text also in Afrikaans.
Includes oilseed meal.
- 72118 RIVA, M., POY, F., and GAGLIARDI, P. The identification of fatty acids of oils by means of high efficiency capillary columns. 4 p. Transl. 14488
In olive oil.
Translation from Rivista Italiana dell Sostanze Grasse 41:267-268. 1964.
- 72119 SAHASRABUDHE, M. R., LEGARI, J. J., and MCKINLEY, W. P. Quantitative estimation of lactylated glycerides and polyglycerol esters in shortenings containing mono- and diglycerides. Ass. Offic. Anal. Chem. J. 49(2):337-340. Apr. 1966. 381 As7
- 72120 SATTAR, S. A. Pakistan needs assistance of oil industry. Soybean Dig. 26(8):47. May 1966. 60.38 So9
- 72121 SCHORDERET, M., KAPETANIDIS, I., and MIRIMANOFF, A. Prevention of autoxidation in galenic preparations by ascorbic acid esters. 1. Determination of ascorbyl palmitate and stearate in fats. (Fr) Pharm. Acta Helv. 41(5):293-304. May 1966. 396.8 P4933 English summary.
- 72122 SCHULZE, H. Zum Nachweis der mikrobiell bedingten hydrolytischen Fettspaltung [Determination of microbial hydrolytic fat splitting]. Munich. Univ. Tierarztl. Fak. [Inaug.-Diss.] 22,135 p. 1965. 41.2 M9222 Bibliography, p.95-135.
- 72123 SHIMIZU, S., KARASAWA, D., and IKEDA, N. A new mint (variety of *Mentha aquatica* L.) containing (-)-isopinocampheol as a major constituent of essential oil. Agr. Biol. Chem. 30(2):200-201. Feb. 1966. 385 Ag8B Analysis of the oil.
- 72124 SIETZ, F. G. Detection of small quantities of mineral oils in fats. (Ge) Fette, Seifen, Anstrichmittel 68(4):314-316. Ref. Apr. 1966. 384 C422 English summary.
- 72125 SIGANUR, I. SH. The work of fats and oils enterprises of the Ukraine in 1963. (Rus) In Novaya Tekhn. i Tekhnol. v Maslozhir. Promsti Ukrainy 1964:3-12. Not in Libr.
Cited in Ref. Zh. Khim. 19(sect.R):42. Oct. 1965. 241.64 R252
- 72126 SMITH, W. Automating crushing of cottonseed. Cotton Trade J. Int. Edition 1966 (automation No.):34-37. 72.8 C8214I
- 72127 SOOD, V. K. Essential oil from the berries of *Litsea citrata* and its constituents. Perfumery Essent. Oil Rec. 57(5):285-286. May 1966. 308.8 P41
- 72128 SOYBEAN DIGEST. Blue book issue. Soybean Dig. 26(6), 168 p., map. Mar. 1966. 60.38 So9 Includes information on soybean associations, statistics and directories.
- 72129 SYMPOSIUM: LIPIDS OF THE PAST AND PRESENT. [Proceedings]. Amer. Oil Chem. Soc. J. 43(4):189-222. Ref. Apr. 1966. 307.8 J82 Conducted by the American Oil Chemists' Society at its 56th annual meeting, Houston, Texas, April 25-28, 1965.
- 72130 SYMPOSIUM ON BEHAVIOR OF LIPIDS AT INTERFACES AND IN BIOLOGICAL MEMBRANES, CINCINNATI, 1965. [Papers]. Amer. Oil Chem. Soc. J. 43(5):257-304. Ref. May 1966. 307.8 J82 Conducted by the American Oil Chemists' Society at its 39th fall meeting.
- 72131 TOLBERT, C. E. Column chromatographic cleanup procedure for the isolation of chlorinated pesticides in oil. Ass. Offic. Anal. Chem. J. 49(2):386-388. Ref. Apr. 1966. 381 As7
- 72132 TORRE, X. Evolution in the production of fats of tropical origin since the independence of French-speaking producer States. (Fr) Oleagineux 21(4):199-202. Apr. 1966. 77.8 OL2 English summary, p. XXXIX.
- 72133 TRAYLOR, H. D., and LAW, J. M. Price risk at planting time; what can Louisiana soybean growers do about it? La. Rural Econ. 28(2):6-7. May 1966. 281.8 L93
- 72134 UKSILA, E., and LEHTINEN, I. Crystallization of linseed oil fatty acids from acetonitrile. In Helsingfors. Universitetet. Ravintokemian Laitos. Final technical report on investigations of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids, article No. 6, 8 p. 1965. 307 H3622
- 72135 UKSILA, E., LEHTINEN, I., and ROINE, P. Factors contributing to the crystallization of fatty acids and "acid" soaps of linseed oil. In Helsingfors. Universitetet. Ravintokemian Laitos. Final technical report on investigations of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids, article No. 5, 5 p. 1965. 307 H3622
- 72136 UKSILA, E., LEHTINEN, I., and ROINE, P. Fractionation of soybean oil fatty acids as free acids and "acid" sodium soaps by crystallization from methanol and acetone. In Helsingfors. Universitetet. Ravintokemian Laitos. Final technical report on investigations of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids, article No. 4, 8 p. 1965. 307 H3622
- 72137 UKSILA, E., VARESMAN, M., and LEHTINEN, I. Separation of unsaturated fatty acids of soybean and linseed oils by crystallization and subsequent liquid-liquid extraction. In Helsingfors. Universitetet. Ravintokemian Laitos. Final technical report on investigations of continuous multi-stage countercurrent crystallization of linseed and soybean fatty acids, article No. 7, 9 p. 1965. 307 H3622
- 72138 URS, M. K., and BAINS, G. S. Effect of variations in pre-cooking of peanuts on the stability of partially defatted meals. Oleagineux 21(4):231-232. Ref. 77.8 OL2
- 72139 VIOLANTE, P. The glyceride composition of the lipid substance of seeds of the genus *Prunus*. (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3) 30:417-429. 1964/65. 105.4 P83 English summary.
Analysis by chromatography of almond, peach, and apricot kernel oils.
- 72140 VIX, H. L. E., and others. Low-calorie peanuts. Food Process./Marketing [Chicago] 26(9):80-83. Sept. 1965. 389.8 F7325 J. J. Spadaro, J. Pominski, and H. M. Pearce, joint authors.
Includes processing.

- 72141 WEENINK, R. O., and TULLOCH, A. P. The major component phospholipids of rapeseed gum. *Amer. Oil Chem. Soc. J.* 43(5):327-329. Ref. May 1966. 307.8 J82
- 72142 ZIEMBA, J. V. Let soy proteins work wonders for you. *Food Eng.* 38(5):82-84,87-90,93. May 1966. 389.8 F737

POULTRY AND POULTRY PRODUCTS

- 72143 ARTAMONOV, A., and VINOGRADOV, S. More efficient and careful handling of eggs needed in the RSFSR. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 200: 75-80. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J633Sove
Translation from *Ekonovicheskaya Gazeta* 48:29. Nov. 1964.
- 72144 BEGANOVIC, A. H. Methods and standards for the evaluation of quality of frozen and dried whole eggs. (Se) *Veterinaria [Sarajevo]* 14(1): 95-100. Ref. 1965. 41.8 V6494
English summary.
- 72145 BERQUIST, D. H., and KLUSMEYER, P. W. Thorough QC program keeps bacteria low. *Food Eng.* 38(5):130-131,133-134. May 1966. 389.8 F737
Chiefly testing of egg products.
- 72146 BONINO, M. F. First meeting on poultry programming; basic document. (Sp) *IDA (Inst. Nac. Tecnol. Agropecuar.)* 208:13-22. Apr. 1965. 9 Id3
Includes a review of the industry.
- 72147 BONNET, Y., and MONGIN, P. Egg surface measurement. (Fr) *Ann. Zootech.* 14(4):311-317. 1965. 49 F84
English summary.
- 72148 BRANK, A. W., STARR, P. B., and HAMANN, J. A. The bacteriological, chemical, and physical requirements for commercial egg cleaning. U. S. D. A. Marketing Res. Rep. 740, 21 p. Apr. 1966. 1 Ag84Mr
California Agricultural Experiment Station, cooperating.
- 72149 BRYAN, F. L. Factors associated with the dissemination of *Salmonella* in turkey products and processing plants. *Diss. Abs.* 26(10):5653-5654. Apr. 1966. 241.8 M58
- 72150 DE FREMERY, D. Relationship between chemical properties and tenderness of poultry muscle. *J. Agr. Food Chem.* 14(3):214-217. Ref. May/June 1966. 381 J8223
- 72151 EICKHOFF, W. D., and NOLES, R. K. The structure of the broiler industry in Georgia. *Feedstuffs* 38(21):8. May 28, 1966. 286.81 F322
- 72152 FRITSCH, H. Experiment on the effect of cleaning of dirty eggs on the quality during storage. (Ge) *Tierzucht* 20(4):212-214. Ref. Apr. 1966. 49 T443
- 72153 GAREWAL, N. S. Perishable and fragile as they are, eggs can be exacting. *Indian Farming* 15(10):17-18. Jan. 1966. 22 In283
- 72154 GILL, S. S. Poultry development work; Nilokheri's experiment. *Kurukshetra* 13(5):18-22. Feb. 1965. 281.28 K96
A community project in India.
- 72155 GOFFINET, R. Production, commerce extérieur et consommation d'œufs: Belgique—C.E.E., période 1950—1964 [Production, foreign trade and consumption of eggs: Belgium—E.E.C., period 1950—1964]. *Brussels. Inst. Econ. Agr. Cah. I. E. A.* 44,105 p. 1964. 281.9 B832
- 72156 GOLDRICK, E. A. Eggs as a source of colour in foods. *Australian Food Manufacture Distributor* 9(35):46. Apr. 12, 1966. 389.8 Au7
Yolks.
- 72157 HARTEL, E. The German egg cycle. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(1):6,8,10. Jan. 6, 1966. 18 N39
Marketing and prices.
- 72158 HAYNISCH, H. Changes in egg quality of non-treated and oiled eggs from free run and intensive rearing during storage as well as the effect of various treatment methods. (Ge) *Arch. Geflügelzucht Kleintierkunde* 15(2):87-102. Ref. 1966. 47.8 A422
English summary.
- 72159 JONES, H. B. Economic importance of the poultry industry in north Georgia. *Ga. Agr. Exp. Sta. Circ. (n.s.)* 43,21 p., map. Jan. 1966. 100 G293Ci
U. S. Department of Agriculture, cooperating.
- 72160 KONSTANTINIDES, M. A good example of cooperation with farm women for the development of village poultry industry. (Gre) *Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos* 6:174-175. Nov./Dec. 1965. 275.249 G81
- 72161 LARZELERE, H. E. Current styles and shapes in egg contracting. I. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 36,13 p. Jan. 1966. 281.9 M5842
- 72162 LARZELERE, H. E. Current styles and shapes in egg contracting. II. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 39,17 p. Feb. 1966. 281.9 M5842
- 72163 LARZELERE, H. E. Who'll be the Midwestern Messiah? *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 37,7 p. Jan. 1966. 281.9 M5842
Egg policies.
- 72164 LASCU, G., NICOLESCU, L., and MIHAITA, M. Contributions to the new technological methods for improving the quality of congealed fowl meat. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:267-275. 1964/65. 389.9 R86
English summary.
- 72165 MOFFETT, R. E. Regional import restrictions as a tool to reduce price variability. *Conn. (Storrs) Agr. Exp. Sta. Bull.* 391,24 p. Oct. 1965. 100 C76S
Statistical study focused on the New England market egg industry for period 1947-63.
- 72166 MONGIN, P. Index of egg shell strength, its importance and accuracy. (Fr) *Ann. Zootech.* 14(4):319-325. 1965. 49 F84
English summary.
- 72167 MONTANER ESTEVE, J. Poultry raising in the economy. (Sp) *Cult. Mod.* 48(10):378-379. Oct. 1965. 15 C89
- 72168 PETROVIC, M. P. Distribution of the aerogenic bacteria coli in the original raw material, in technological processing of egg powder and in the final product. (Se) *Vet. Glas.* 19(12):935-939. Ref. 1965. 41.8 J93
English summary.
Escherichia coli.
- 72169 SCHARPF, L. G. Post-rigor changes in selected physicochemical properties of myosin B fraction of turkey muscle. *Diss. Abs.* 26(10): 5702. Apr. 1966. 241.8 M58
- 72170 UELAND, A. G. How to get the best quality eggs? (No) *Fjorfe* 83(4):78-79,81. Apr. 1966. 47.8 T432
Handling.
- 72171 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Producers of bantams, ducks, geese, and game birds. U. S. Agr. Res. Serv. Anim. Husb. Res. Div. CA-44-25, rev., 4 p. Mar. 28, 1966. A49.9 R312C
List of hatcheries and dealers.
- 72172 U. S. CONSUMER AND MARKETING SERV. POULTRY DIV. List of plants operating under USDA poultry and egg inspection and grading programs. Washington, 1966. 72 p. aHD9437.U5A3
- 72173 U. S. CROP REPORTING BOARD. Chickens and eggs, including broiler production; production, disposition, cash receipts, and gross income, 1964-65, by States. Washington, 1966. 12 p. 1.9 Ec71Fpc
- 72174 VARENIKA, D. Some current problems of poultry industry in Yugoslavia. (Se) *Veterinaria [Sarajevo]* 14(1):1-7. 1965. 41.8 V6494
English summary.
- 72175 VILLORESI, L. Report on national poultry problems and on the chief regional programs in the field. (It) *Udine. Cam. Com. Indus. Agr. Boll. Uffic. (n.s.)* 20(1):33-39. Jan. 1966. 287 Ud5

RUBBER AND RUBBER SUBSTITUTES

- 72176 AMERICAN SOCIETY FOR TESTING AND MATERIALS. 1966 book of ASTM standards with related material. Part 28. Philadelphia, 1966. 1116 p. 290.0 Am34S
Includes rubber.

- 72177 BRUSON, H. A. What's the use? *Chemist* 43(6):187-192. June 1966. 381 C427
Includes research on rubber and insecticides.
- 72178 JENNINGS, C. The battle of the foams; an explanation and appraisal of the new Dunlopillo process for making latex foam rubber. *Rubber J.* 148(5):66-67,69-72. May 1966. 305.8 In21
- 72179 LUKOMSKAYA, A. I. Time-temperature ratio of rubber strength. (Rus) *Mekhanika Polimerov* 1:111-116. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.S):88. Oct.1965. 241.64 R252
- 72180 MEARDON, J. I. Rapid total solids test. *Rubber Plast. Age* 47(5):500. May 1966. 305.8 R824
Includes equipment.
- 72181 MILLER, S. B. Rubber antiozonants and chemical environments. *Rubber Age* 98(5):60-61. May 1966. 305.8 R82
- 72182 SHISHKIN, I. P. On single standards of raw and other material consumption in the rubber reclaiming. (Rus) *Kauchuk i Rezina* 3:49. 1965. Not in Libr.
Abstracted in Ref. Zh. Khim. 19(sect.S):83. Oct.1965. 241.64 R252
- 72183 ZIMMERMAN, R. L., and HIBBARD, B. B., and BAILEY, H. R. Chemically cured carboxylated latex foam coatings. *Rubber Age* 98(5):68-75. May 1966. 305.8 R82
Properties.
- SEEDS
- 72184 AMADUCCI, M. T. A modification to the Ottawa seed blower for beet seed purity testing. *Int. Seed Testing Ass. Proc.* 30(3):513-517. 1965. 61.9 In84P
- 72185 EVERSON, L. E., SHIH, C. S., and CADY, F. B. A comparison of the uniform blowing and hand methods for the purity analysis of *Poa pratensis* seed. *Int. Seed Testing Ass. Proc.* 30(3):493-511. Ref. 1965. 61.9 In84P
- 72186 FORMANOWICZOWA, H., and KOZLOWSKI, J. Observations on the seed testing of certain medicinal plants. (Ge) *Int. Seed Testing Ass. Proc.* 30(3):743-748. Ref. 1965. 61.9 In84P
English summary.
- 72187 GREGG, B. Planting seed. *Auburn Univ. Ext. Suggestions Annu. County Ext. Program* 1966:18-19. 275.29 AL1Su
Extension programs.
- 72188 HAYES, P. Accuracy of the Gentner fluorescence test as carried out by I.S.T.A. procedure. *Int. Seed Testing Ass. Proc.* 30(3):617-624. Ref. 1965. 61.9 In84P
- 72189 JOHNSTON, M. E. H., MILLER, J. G., and HARRISON, S. C. Sampling efficiency of the gamet divider with and without exact weighings of samples. *Int. Seed Testing Ass. Proc.* 30(3):453-462. 1965. 61.9 In84P
- 72190 KAMRA, S. K. Use of X-ray radiography for studying seed quality in grasses. *Int. Seed Testing Ass. Proc.* 30(3):519-524. Ref. 1965. 61.9 In84P
- 72191 KOPOOSHIAN, H. A simple mechanical divider for seed mixing and dividing. *Int. Seed Testing Ass. Proc.* 30(3):463-466. 1965. 61.9 In84P
- 72192 LEMOINE, M. Problems of sorting and drying seeds of *Abies*. (Fr) *Int. Seed Testing Ass. Proc.* 30(3):525-533. 1965. 61.9 In84P
English summary.
For cold storage of seeds of *Abies alba*.
- 72193 MACKAY, D. B. Purity testing, degree of cleaning, judgement of the appearance of the seed, provenance. *Int. Seed Testing Ass. Proc.* 30(3):479-488. 1965. 61.9 In84P
- 72194 MEHTA, Y. R. Use better seeds for higher yields. *Indian Farming* 15(8):11,13. Nov.1965. 22 In823
Certified seed.
- 72195 MORBEY J., T. M. Investigations for the certification of the varietal purity of seeds of some horticultural species grown in Portugal. *Int. Seed Testing Ass. Proc.* 30(3):587-599. 1965. 61.9 In84P
- 72196 NEDERLANDSCHE ALGEMEENE KEURINGS-DIENST VOOR LANDBOUWZADEN EN AARD-APPELPOOTGOED. 33ste jaarverslag [33d annual report of the Netherlands General Inspection Service for Agricultural Seeds and Potato Planting Stock], 1964-1965. Wageningen, 1965. 152 p. 12 N284
- 72197 NELLIST, M. E., REES, D. V. H., and HIGGS, D. M. J. The drying of timothy seed. 2. The rate of drying. *Brit. Grassland Soc. J.* 21(1):80-84. Mar.1966. 60.19 B773
- 72198 PAYLOVIC, J. Impurities in commercial seeds of domestic vetch varieties in relation to the admixtures of forage peas, other varieties of vetch and weeds seeds. (Se) *Savremena Poljoprivreda* 13(10):855-866. Oct.1965. 21 P75
- 72199 SCHOOREL, A. F. Comments on rules for sugar beet testing. *Int. Seed Testing Ass. Proc.* 30(3):535-536. 1965. 61.9 In84P
Proposed by the International Institute for Research on Sugar-Beet.
- 72200 SINGH, A. Problems in the standardisation of seed testing methods for tropical crops. *Int. Seed Testing Ass. Proc.* 30(3):723-726. 1965. 61.9 In84P
Cotton seeds in India.
- 72201 VENKATARATNAM, L. It pays to produce vegetable seed. *Indian Farming* 15(11):8-9. Feb.1966. 22 In283
- 72202 VERHEIJ, C. An automatic seed-sample collector. *Int. Seed Testing Ass. Proc.* 30(3):449-452. 1965. 61.9 In84P
- 72203 VODAK, A., and PAZOUREK, J. A new method for identifying seeds of *Brassica oleracea* L. and *Brassica napus* L. (Ge) *Int. Seed Testing Ass. Proc.* 30(3):565-572. Ref. 1965. 61.9 In84P
English summary.
- 72204 WILLE, E. The functions of the Union of State Farms for Seeds and Planting Stock [VVB Saat- und Pflanzgut] in the development of new contract conditions. (Ge) *Deut. Landwirt.* 17(3):127-128. Mar.1966. 18 D4822
- 72205 WOLD, A. Evaluation of crop seeds and weed seeds in the purity analysis. *Int. Seed Testing Ass. Proc.* 30(3):489-492. 1965. 61.9 In84P
- 72206 WÖLD, A. Review of subject and discussion on articles on bulking, sampling, tolerances and statistical analysis. *Int. Seed Testing Ass. Proc.* 30(3):439-448. 1965. 61.9 In84P
Includes discussion.
- SUGAR AND SIRUPS
- 72207 BERNARD, H. Food products at the stock exchange during 1965 and January 1966. (Fr) *Sucrerie Franc.* 107(3):68. Mar.1966. 65.8 J82
Includes sugar prices.
- 72208 CAMPBELL, J. R. Raw sugar mills in Louisiana, 1960-1963; returns, costs, and profits. *La. Agr. Exp. Sta. DAE Res. Rep.* 352,76 p. Mar. 1966. 100 L935
- 72209 CANADA. BUR. OF STATISTICS. Sugar refineries 1964. Ottawa, 1966. 17 p. (Annual Census of Manufactures) 253 C335S
- 72210 CHEN, J. C. P., and PROSKOWETZ, F. Centrifugation of B-molasses. *Sugar J.* 28(12):28-32. Ref. May 1966. 65.8 Su391
Includes equipment.
- 72211 COJOCARU, C., VASILESCU, I., and FOCSA, C. The influence of inositol, pantothenic acid and biotin in molasses upon the quality and efficiency of bakery-yeast. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:429-438. 1964/65. 389.9 R86
English summary.
- 72212 COSTACHE, A., and others. Contributions to establish the most adequate method for determining the technological quality of sugar beet. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:105-118. 1964/65. 389.9 R86
F. Domşa, M. Olaru, L. Diaconescu, A. Cruşevan, P. Stătescu, and M. Popescu, joint authors.
English summary.

- 72213 CZARNIKOW, The problem of sugar consumption. (Fr) *Sucrerie Franc.* 107(5):127-128. May 1966. 65.8 J82
- 72214 DAUVOIS, P. The drying of sugar. (Fr) *Sucrerie Franc.* 107(4):119-121. Apr. 1966. 65.8 J82
- 72215 DEVILLERS, P. L. Anaerobic infections in refineries. (Fr) *Sucrerie Franc.* 107(4):91-93. Apr. 1966. 65.8 J82
Bacillus subtilis, B. stearothermophilus and Leuconostoc mesenteroides.
- 72216 DIEHL, J. M. Gages percent solids of sweetener blends. *Food Eng.* 38(5):101-104. May 1966. 389.8 F737
Nomogram used.
- 72217 DOMSA, F., and others. Contributions to the improvement in purging juices from sugar plants. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:127-135. 1964/65. 389.9 R86
A. Costache, P. Ivanovici, A. Crusevan, M. Olaru, L. Diaconescu, I. Raiu, and M. Popescu, joint authors.
English summary.
Sugar beets.
- 72218 DURBIN, G. Nature and work of the American Sugar Cane League. *Sugar J.* 28(11):70-71. Apr. 1966. 65.8 Su391
- 72219 EL'ODE, K. E., and others. Effects of pH and temperature on the carbonyls and aromas produced in heated amino acid-sugar mixtures. *J. Food Sci.* 31(3):351-358. Ref. May/June 1966. 389.8 F7322
T. P. Dornseifer, E. S. Keith, and J. J. Powers, joint authors.
- 72220 FAIRBANKS, J. N. Recent changes in cane handling methods in Louisiana. *Sugar J.* 28(11):43-52. Apr. 1966. 65.8 Su391
Includes handling equipment.
- 72221 GAUPP, E. Possibilities of efficient preparation in the confectionery industry, with special attention to favorable storage of raw materials and transportation in the factory. (Ge) *Fette, Seifen, Anstrichmittel* 68(5):406-409. May 1966. 384 C422
Includes sugar and cacao.
- 72222 GUPTA, S. C., RAMAIAH, N. A., and JAIN, N. C. Manufacture of white sugar without sulfur in carbonation factories by D.M.C. process. I. Production of raw sugar in carbonation factories. *Indian Sugar [Calcutta]* 15(11):707-717. Feb. 1966. 65.8 In26
- 72223 HASHIZUME, T., and SASAKI, Y. Gas chromatography of sugar phosphate. *Anal. Biochem.* 15(2):346-350. May 1966. 381 An13
- 72224 HUBER, C. N., SCOBELL, H., and TAI, H. Determination of saccharide distribution of corn syrup by direct densitometry of thin-layer chromatograms. *Cereal Chem.* 43(3):342-346. May 1966. 59.8 C33
- 72225 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of sugar-cane, 1964-65. New Delhi, 1965. 3 p. 269.5 Ec74A
- 72226 KELLER, A. G. Methods for depithing sugar cane bagasse. *Sugar J.* 28(11):26-33. Ref. Apr. 1966. 65.8 Su391
- 72227 KIM, Y. S. A rapid method to determine percent fermentables. *Cereal Chem.* 43(3):313-319. May 1966. 59.8 C33
In corn syrup.
- 72228 LAUDEN, L. L. Louisiana cane crops damaged by hurricanes "Hilda" and "Betsy." *Sugar J.* 28(11):67-69. Apr. 1966. 65.8 Su391
Losses, in Louisiana.
- 72229 LICHT, F. O. Decline in worldwide sugar production in 1965-1966. (Fr) *Sucrerie Franc.* 107(3):68-69. Mar. 1966. 65.8 J82
- 72230 OLARU, M., and others. Contributions to the study of purging juices from the sugar industry by means of ion-exchangers. (Rum) *Bucharest. Inst. Cercet. Aliment. Lucrarile* 7:119-126. 1964/65. 389.9 R86
F. Domsa, I. Simionescu, V. Dimitriu, V. Ilescu, R. Chicos, A. Costache, A. Crusevan, and A. Enescu, joint authors.
English summary.
- 72231 PARSHIKOV, M., and SHVARTS, V. Unutilized reserves in the sugar beets industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 85:5-6. May 4, 1965. (JPRS 29,889) 173 J663Tro
Storage ventilation.
Translation from *Ekonomicheskay Gazeta* 5:36. Feb. 3, 1965.
Issued by CFSTI.
- 72232 PIDOUX, G. Contribution to the conductometric measurement of ash in white sugars. (Fr) *Indus. Aliment. Agr.* 82(12):1257-1260. Dec. 1965. 383 As7
- 72233 POTTER, E. F., and LONG, M. C. Sugars in plants: a preliminary report on the use of EDTA in the Munson-Walker sugar method. *Ass. Offic. Anal. Chem. J.* 49(2):306-307. Apr. 1966. 381 As7
- 72234 SAHA, J. M., LAL, G. S., and SINGH, V. Study of the suitability of vapour cell for superior quality white sugar manufacture. *Indian Sugar [Calcutta]* 15(11):719-721. Feb. 1966. 65.8 In26
- 72235 SILIN, L. M., and SILINA, N. P. Investigation of the raw materials, semi-finished products and waste products of a beet sugar refinery. 15 p. (JPRS 28,402; TT 65-30177) Transl. 14783
Translation of *Khimicheskii Kontrol' Sveklosakharnogo Proizvodstva* 1960:169-181.
CFSTI: \$1.00.
- 72236 STATICESCU, P., and others. Research work concerning the influence of ionized radiation on the keeping quality of sugar beets. (Rum) *Indus. Aliment.* 16(11):575-578. Nov. 1965. 389.8 In26
P. Marseu, A. Costache, M. Zamfirescu, and T. Diaconu, joint authors.
English summary, p. 613.
- 72237 SUGAR y azucar yearbook 1966; volume XXXIV. New York, 1966. 258 p. 65.8 Su324
Includes directory.
- 72238 SUGISAWA, H. The thermal degradation of sugars. II. *J. Food Sci.* 31(3):381-385. May/June 1966. 389.8 F7322
- 72239 SUSIC, S. K., and GURALJ, E. M. Osnovi tehnologije secera [Principles of the technology of sugar]. Beograd, Naucna Knjiga, 1965. 717 p. Ref. TP377.S9
- 72240 TEREK, L. Dependence of the purity of sugar crystals on the purity of sugar juices and sirups. 5 p. (TT 63-16373) Transl. 15329
Translation from *Tehnika* 10(7):1069-1071. 1956.
Issued by CFSTI.
- 72241 WARNER, J. R. Australian sugar industry encounters a severe testing time. *Austral. Sugar J.* 57(12):951,953,955,957. Mar. 1966. 65.8 Au7
- 72242 WILLITS, C. O., UNDERWOOD, J. C., and STINSON, E. S. A process for continuous high-flavoring of maple sirup. *Food Technol.* 20(5):112-114,115. May 1966. 389.8 F7398

TOBACCO

- 72243 CLARK, C. M., and WHITE, G. M. Recommendations for grading tobacco under fluorescent light source. *Ky. Univ. Ext. Progr. Rep.* 154,20 p. Ref. Sept. 1965. 100 K41Pr
Published jointly with Kentucky Agricultural Experiment Station.
- 72244 CLEMENTS, F. Among Rhodesian leaf growers determination still prevails, but realism now exists. *Tobacco [New York]* 162(21):25-26,28. May 27, 1966. 286.89 T552
- 72245 CLEMENTS, F. Trouble is no stranger to the Rhodesian grower. *Tobacco [New York]* 162(21):22,34-35. May 27, 1966. 286.89 T552
- 72246 DEAN, R. W. Zambia still faces keen competition. *Tobacco [New York]* 162(21):57. May 27, 1966. 286.89 T552
- 72247 DIRECTORY of Rhodesia, Zambia and Malawi leaf suppliers. *Tobacco [New York]* 162(21):66-69. May 27, 1966. 286.89 T552
- 72248 GARIBYAN, E. M., and PAPAZYAN, M. I. Combined regime fermentation of tobacco. 4 p. (TT 64-10601) Transl. 15339
Translation from *Tabak* 21(1):49-51. 1960.
Issued by CFSTI.

- 72249 GRAYLIN, J. C. Rhodesian growers prove they can meet challenge. Tobacco [New York] 162 (21):23-24. May 27, 1966. 286.89 T552
- 72250 GRIGORESCU, I., and MIHAILOVICI, I. Research for achieving the controlled mixture for the Molovata and Ghimpat tobacco species, classes I, III. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:439-450. 1964/65. 389.9 R86
English summary.
- 72251 HEURTLEY, C. A. Rhodesia is still in the tobacco business. Tobacco [New York] 162(21): 21,32. May 27, 1966. 286.89 T552
- 72252 KARPENKO, YU. F. Defects in the fermentation of cigar tobaccos and bakuns. 7 p. Transl. 15283
A type of makhorka.
Translation from Tabak 5:16-18. 1939.
- 72253 KILLE, T. Paradoxical situation; African hurt, not helped by sanctions. Tobacco [New York] 162(21):30-31. May 27, 1966. 286.89 T552
In Rhodesia.
- 72254 MATSUYAMA, S., and ISHITOYA, K. Studies on the chemical constituents of the "cherry red" tobacco plant. 12 p. Ref. Transl. 15267
Translation from Agricultural Chemical Society of Japan. Journal 34(8):662-665. 1960.
- 72255 MOKHNACHEV, I. G. Determination of bound water-soluble carbohydrates in tobacco. 8 p. Transl. 15266
Translation from Vysshie Uchebnye Zavedeniya. Izvestiya. Pishchevaya Tekhnologia 2:54-57. 1961.
- 72256 MUCHANGWE, I. C. Zambia's Tobacco Industry Board—what it is and how it works. Tobacco [New York] 162(21):54. May 27, 1966. 286.89 T552
- 72257 SCHENZER, H. A common policy for leaf tobacco. Tabak-J. Int. 1:4-19. Feb. 20, 1966. 286.89 T117
Text also in Dutch, French, German, and Italian.
European Economic Community.
- 72258 SEATON, S. H. Malawi minds its own business. Tobacco [New York] 162(21):62-65. May 27, 1966. 286.89 T552
Tobacco marketing.
- 72259 THASSITIS, B. New government decision on Greek tobacco planting. Tabak-J. Int. 1:32-35. Feb. 20, 1966. 286.89 T117
Text also in Dutch, French, German, and Italian.
- 72260 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Distribution of 1965 tobacco acreage allotments, by size groups. Washington, 1965. 8 p. aHD9136.A3
- 72261 U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Annual report on tobacco statistics, 1965. U. S. D. A. Statist. Bull. 372, 71 p., map. Apr. 1966. 1 Ag84St
- 72262 VIOLANTE, P. The polyphenol-alkaloid ratio in Nicotiana tabacum (preliminary note). (It) Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30: 169-174. 1964/65. 105.4 P83
English summary.
- 72263 WILSON, W. R. Zambia seeks to enlarge tobacco's part in economy. Tobacco [New York] 162 (21):58-60. May 27, 1966. 286.89 T552
- MISCELLANEOUS PRODUCTS**
- 72264 BOTELHO, A. T. Technical aspects of artificial drying of fillets of salted codfish. (Por) Conserv. Peixe 21(241):51,53. Apr. 1966. 389.8 C7692
- 72265 CHRISTENSSON, H. Culture of ornamentals. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 76:22-25. 1965. 11 Up62A
Statistics.
- 72266 CONNELL, J. J. Changes in aldolase activity in cod and haddock during frozen storage. J. Food Sci. 31(3):313-316. May/June 1966. 389.8 F7322
- 72267 CRAESCU, I., and others. The determination of the maturation conditions through salting of fish species as raw material for the manufacturing of half-preserved fish. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:327-338. Ref. 1964/65. 389.9 R86
R. Nedeleescu, E. Mercone, and M. Dobrinescu, joint authors.
English summary.
- 72268 GUPTA, M. K. Rayon grade pulp from bamboo using alkali in the prehydrolysis stage. Indian Pulp Pap. 20(9):555-556. Mar. 1966. 302.8 In23
- 72269 HELFERT, W. Multitop—packing for seedlings. (Ge) Verpackungs Rundsch. 16(9):1137-1138. Sept. 1965. 280.38 V592
- 72270 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Cleanliness counts in fish curing. Indian Farming 15(10):32-33. Jan. 1966. 22 In283
- 72271 INDIAN COUNCIL OF AGRICULTURAL RESEARCH. Cod fisheries in Norway. Indian Farming 15(10):34-36, 52. Jan. 1966. 22 In283
Processing.
- 72272 JAIN, K. K., and UPADHYAYA, S. M. Sweet, soft-skinned Kota Sudhar. Indian Farming 15 (3):10. June 1965. 22 In283
Trapa bispinosa.
- 72273 LARSEN, F. E., and SCHOLLES, J. F. Effects of sucrose, 8-hydroxyquinoline citrate, and N-dimethyl amino succinamic acid on vase-life and quality of cut carnations. Amer. Soc. Hort. Sci. Proc. 87:458-463. Ref. Dec. 1965. 81 Sol2
- 72274 LILJENQUIST, L. B. Down under with WSMAPA [Western States Meat Packers Association]. 3. Australia. Nat. Provisioner 154(22):14-16, 18, map. May 28, 1966. 286.85 N21
- 72275 MAKAROVA, T. I., and SHLIMOVICH, B. I. Preparing slightly salted herring by V. A. Kuznetsov's method. (Rus) Rybnoe Khozyaistvo 5:63-66. 1965. 414.8 R962
Abstracted in Ref. Zh. Khim. 19(sect.R):27. Oct. 1965. 241.64 R252
- 72276 MARTINEZ, F., and VEGAS, M. Contribution to the study of the preservation of fresh fish with antibiotics. (Sp) An. Cient. 2(1):42-49. Ref. Jan./Mar. 1964. 9.8 An1
English summary.
- 72277 MERRITT, J. H., LIVINGSTON, L., and SHEWAN, J. M. Superchilling of fish—the position today. Mod. Refrig. 69(818):438-441, 443. May 1966. 295.8 M72
- 72278 NASEDKINA, E. A., and ONIPKO, E. K. Canned Pacific salmon. (Rus) Rybnoe Khozyaistvo 5:69-70. 1965. 414.8 R962
Canning salted fish.
Abstracted in Ref. Zh. Khim. 19(sect.R):27. Oct. 1965. 241.64 R252
- 72279 SELVARANGAN, R., and NAYUDAMMA, Y. Some chemical treatments for the production of improved tan liquors from divi-divi and other materials. Tanner 20(9):303-305. Feb. 1966. 303.8 T15
Extraction of tannins from plants.
- 72280 SEN, D. P., RAO, T. S. S., and LAHIRY, N. L. Defatting and deodorization of fish protein concentrate from Harpodon nehereus. J. Food Sci. 31(3):344-350. May/June 1966. 389.8 F7322
- 72281 SINGH, S., NIGAM, P. N., and PURUSHOTHAM, A. Preservative treatment of green bamboos by the diffusion process. Timber Dryers' Preserv. Ass. India. J. 11(4):8-11. Oct. 1965. 300.9 T48J
- 72282 SKACHKOV, V. P., and TSELUIKO, A. E. Accelerated method of curing Atlantic horse-mackerel. (Rus) Rybnoe Khozyaistvo 5:61-62. 1965. 414.8 R962
Abstracted in Ref. Zh. Khim. 19(sect.R):27. Oct. 1965. 241.64 R252
- 72283 TS'AO, H. K., and CHIN, C. H. Experimental observations on bacteriostatic effects of raw garlic on Meningo-Diplococcus intracellularis. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 153:14-16. Mar. 2, 1965. (JPRS 28,950; TT 65-30416) 173 J663Teco
Translation from Chung I Tsa Chih 4:27-28. 1964.
Issued by CFSTI.
- 72284 U. S. CROP REPORTING BOARD. Cut flowers: production and sales, 1964 and 1965; intentions for 1966 in selected States. Washington, 1966. 11 p. A81 M342C
- 72285 WESTBROOK, J. B. The manufacture of hop concentrates and extracts. Inst. Brewing J. 72(2):146-150. Mar./Apr. 1966. 390.9 In7
- 72286 WHITEAR, A. L. Changes in resin composition and brewing behaviour of hops during storage. Inst. Brewing J. 72(2):177-183. Ref. Mar./Apr. 1966. 390.9 In7

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

References on farm structures and rural housing are classified with Agricultural Engineering.

GENERAL

- 72287 ADAMS, M. The future of agricultural business in New York State. N. Y. State Ass. Milk Food Sanit. Annu. Rep. 39:35-40. 1965. 44.9 N4833
- 72288 AFRUTKIN, SH. Development of rural demand. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 90:55-61. July 12, 1965. (JPRS 31,042; TT 65-31540) 173 J663Tro
Economic conditions in rural areas.
Translation from Sovetskaya Potrebiteľ'skaya Kooperatsiya 4:51-53. Apr.1965.
- 72289 AMERICAN FARM ECONOMIC ASSOCIATION. Proceedings papers, winter meeting, New York, December 27-30, 1965. J. Farm Econ. 48(2):309-466. Ref. May 1966. 280.8 J822
Allied social science associations, cooperating.
- 72290 ASHFORD, D. E. Morocco-Tunisia; politics and planning. Syracuse, N. Y., Syracuse Univ. Press, 1965. 65 p. Ref. (National Planning Series, 2) HC591.M8A8
Touches upon economic planning in agriculture.
- 72291 BALJINNYAM, B. Achievements of agricultural artel members. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:1-3. May 2, 1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Economic status and income.
Translation from Unen, Feb.21,1966:2.
Issued by CFSTI.
- 72292 BELGIUM. INSTITUT ECONOMIQUE AGRICOLE. Evolution de l'economie agricole et horticole (1964-1965); rapport du Gouvernement [Development of the agricultural and horticultural economy (1964-1965); Government report]. Brussels. Inst. Econ. Agr. Cah. I.E.A. 45/RP-3,120 p. Mar.1966. 281.9 B832
- 72293 BERG, S. O. Agricultural economics in the USDA: a land-grant-university view. J. Farm Econ. 48(2):422-431. May 1966. 280.8 J822
- 72294 BHAKTAVATSALAM, M. The state budget; progress with economy. Madras Inform. 20(4): 3-10. Apr.1966. 280.8 M26
Chiefly on agriculture.
- 72295 BOAZ, G. D. Progress, but not sufficient! Kurukshetra 13(5):8-10. Feb.1965. 281.28 K96
Economic growth of India.
- 72296 BOSERUP, E. The conditions of agricultural growth; the economics of agrarian change under population pressure. Chicago, Aldine, 1965. 124 p. HD1445.B6
Includes land use, labor productivity, land tenure, and investments.
- 72297 BRAND, S. S., and TOMLINSON, F. R. The position of agriculture in the South African national economy. (Af) S. Afr. J. Econ. 34(1): 26-49. Ref. Mar.1966. 280.8 So83
- 72298 CURRENT economic progress report for the Upper Midwest, 1964, by C. A. Stoerzinger. Minneapolis, Upper Midwest Res. & Develop. Council, 1965. 162 p.,map. HC107.A14C8
Bibliography, p.153-162.
Prepared by North Star Research and Development Institute.
Contains a chapter on agriculture.
- 72299 DAMDIN, P. Industries built in our country with the USSR help. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:10-13. May 2, 1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Includes agriculture.
Translation from Unen, Jan.8,1966:2-3.
Issued by CFSTI.
- 72300 DIENES, MRS. G., FOLDI, T., and HAJDU, Mrs. E. Magyar kozgazdasagi es statisztikai irodalom bibliografia. Hungarian bibliography of economics and statistics, 1963. Budapest, 1965. 99 p. 241.3 M27
Includes agriculture.
- 72301 FELICIANI, A. Considerations on recent aspects of the Lombard alpine mountain agricultural economy. (It) Bull. Agr. [Milano] 99(12):1-4. (Cont.) June 11,1965. 16 B87
- 72302 FERRO, O. Quantitative researches in agricultural economics with particular reference to the regional analysis. (It) Riv. Econ. Agr. 20(4):45-68. Ref. 1965. 281.8 R52
English summary.
- 72303 GAPONENKO, G. Economic conditions for a boosting of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 73:10-27. June 2, 1965. (JPRS 30,369) 173 J663Tso
Translation from Planovoye Khozyaystvo 5:1-12. 1965.
Issued by CFSTI.
- 72304 GARCES, M. V. Days of the round table; alliance seminars in Mexico. Americas 18(3): 9-14. Mar.1966. 150.9 Am34
- 72305 GRIFFIN, K. B. Asian economic development. Pakistan Develop. Rev. 6(1):120-133. Spring 1966. 280.8 P17
Includes agriculture.
- 72306 GROVE, E. W. The twelfth IAAE conference: further reflections by a nonparticipant. J. Farm Econ. 48(2):483-485. May 1966. 280.8 J822
- 72307 GRUEN, F. H. The industrial pattern: the rural economy. Econ. Rec. 42(97):79-84. Mar. 1966. 280.8 Ec74
One of a series of reviews of the Report of the Committee of Economic Enquiry (the Vernon Report) in Australia.
- 72308 HUTNIK, F., and others. Ekonomika pol'nohospodarstva a pol'nohospodarskych podnikov [Agricultural economics]. Bratislava, Vydavateľstvo Politickej Literatúry, 1965. 531 p. Ref. HD1940.C95H8
S. Fisera, P. Jurasek, and A. Malis, joint authors.
- 72309 KETTUNEN, L. Production functions. (Sw) Nord. Jordbrugsforsk. 48(1):9-19. 1966. 11 N752
- 72310 KOFFSKY, N. M. Agricultural economics in the USDA: an inside view. J. Farm Econ. 48(2):413-421. May 1966. 280.8 J822
Economic Research Service.
- 72311 KOROBOV, A. Certain problems in the national economic plan for 1965. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 173:12-35. Mar.16,1965. (JPRS 29,127) 173 J663Sove
Includes agriculture.
Translation from Planovoye Khozyaystvo 1: 1-17. Jan.1965.
- 72312 LEINENBACH, P. W. Basic data on the economy of Denmark. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-65-88,17 p.,map. Ref. Dec.1965. 157.54 Ov2
Agriculture included.
- 72313 LOM, F., and others. Zemedelska ekonomika [Agricultural economics]. Praha, Statni Zemedelske Nakladatelstvi, 1966. 467 p.,map. Ref. HD1940.C95L63
E. Albert, I. Fogas, A. Grolig, F. Hutnik, L. Jirasek, C. Ledl, J. Leitner, M. Liptak, J. Matouskova, J. Pic, M. Spyarka, and K. Vicek, joint authors.
- 72314 NGUYEN NGO, and others. Problems in the agricultural economy of Tay Bac zone. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:36-66. Mar.2,1965. (JPRS 28,960) 173 J663Trn
Quang Huyen, Ngoc Hung, and Hoang Huu Sinh, joint authors.
Translation from Nghien Cuu Kinh Te 24:31-40. Dec.1964.
Issued by CFSTI.
- 72315 O, S. M. Let us improve the level of control and management commensurate to the development of agricultural productivity. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 178:1-13. Mar.29,1966. (JPRS 34,789; TT 66-31228) 173 J663Er
Policy for economic growth.
Translation from Kulloja 1:11-18. Jan.1966.
Issued by CFSTI.

- 72316 PENKOV, I. I., and KHRISTOV, T. Ikonomicheska geografika na Bulgariya [Economic geography of Bulgaria]. Sofiya, Nauka i Izkustvo, 1965. 519 p., map. Ref. HC407.B8P4
- 72317 PORTUGAL INSTITUTO NACIONAL DE ESTATISTICA. Bibliografia sobre a economia portuguesa [Bibliography on the Portuguese economy], edited by A. D. Guerreiro. Lisboa, 1965. 678 p. (Publicacoes do Centro de Estudos Economicos) 241.3 C33
Agriculture and forestry included.
- 72318 REICHMANN, E. The regions of southern Brazil. (Ge) Raumforsch. Raumordnung 23(2): 92-96, map. Sept. 1965. 282.9 R19
Economic conditions in agriculture.
- 72319 REILLY, W. R., and others. Outlook for Connecticut agriculture, 1966; general economic outlook, changes in agricultural policy, Connecticut agricultural commodities. Conn. Univ. Ext. [Bull.] 66-1, 16 p. Jan. 1966. 275.29 C76B
R. L. Leonard, S. Johnson, T. C. Morrison, A. W. Dewey, and J. P. H. Brand, joint authors.
- 72320 RICHARDS, C. S., and SIMPSON, F. S. Planning and the two E.D.P. [Economic Development Programme] reports. S. Afr. J. Econ. 34(1):3-25. Mar. 1966. 280.8 S083
Includes agricultural planning.
- 72321 ROEDER, O. G. Indonesia's economic mess. Far East. Econ. Rev. 52(4):216-218. Apr. 28, 1966. 280.8 F223
Includes agriculture.
- 72322 SCHUH, G. E., and TOLLINI, H. Agriculture and regional development. (Por) Rev. Ceres 12(70):201-218. July/Aug. 1965. 9.2 C332
English summary.
Policy for economic growth.
- 72323 SCHWEIZERISCHE KREDITANSTALT. The Swiss economy in 1965. Zurich, 1966. 74 p. 280.9 C86
Includes agriculture and the food industry.
- 72324 SCOTT, J. T. Retrieval of agricultural economics literature. J. Farm Econ. 48(2):480-483. Ref. May 1966. 280.8 J822
- 72325 SEELIGER, H. C. Our agriculture in the industrial society. (Ge) Mitt. Deut. Landwirt.-Ges. 81(1):2. Jan. 6, 1966. 18 N39
- 72326 SOUTH Korean economy today. II. Orient. Econ. 34(667):268-274. May 1966. 280.8 Or4
Includes the agricultural economy.
- 72327 TAYLOR, L., and JONES, A. R. Professionals and specialists in agribusiness: an analysis of social organization and power. Sociol. Ruralis 5(4):339-348. Ref. 1965. 281.29 S012
- 72328 THI, M. North Vietnamese economic development in 1965. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 232:1-5. Apr. 13, 1966. (JPRS 35,030; TT 66-31468) 173 J663Trn
Includes agriculture.
Translation from Ekonomicheskaya Gazeta 12:44. Mar. 1966.
Issued by CFSTI.
- 72329 TSEKOV, A. Administration of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:1-5. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Economic planning in Bulgaria.
Translation from Otchetnost i Kontrol 4:153-156. Apr. 1966.
Issued by CFSTI.
- 72330 UNITED NATIONS, DEPT. OF ECONOMIC AND SOCIAL AFFAIRS. World economic survey 1963. II. Current economic developments. New York, 1964. 120 p. 280.9 Un3656
Agricultural conditions included.
- 72331 U. S. CONGRESS, JOINT ECONOMIC COMMITTEE. January 1966 Economic Report of the President. Hearings, 89th Cong., 2d sess. Invited comments. Part. 4. Washington, 1966. p.557-719. 280.9 Un3342
Includes statements on behalf of the American Farm Bureau Federation, the Cooperative League of the U.S.A., and the National Grange.
- 72332 U. S. OFF. OF INTERNATIONAL REGIONAL ECONOMICS. Basic data on the economy of Iran. U. S. Bur. Int. Com. Overseas Bus. Rep. OBR-66-20, 14 p., map. May 1966. 157.54 Ov2
Includes the agricultural economy.
- 72333 WESTERMARCK, N. Opening speech of XII International Conference of Agricultural Economists (Lyon, August 1964). (It) Riv. Econ. Agr. 20(4):6-17. 1965. 281.8 R52
English summary.
Research program cooperation.
- 72334 YUSUPKHODZHAEV, M. KH. Development of India's national industry and the economic status of the worker class after independence. 38 p. Ref. (JPRS 33,767; TT 66-30210) Transl. 15797
Includes agricultural economy.
Translation from Bor'ba narodov protiv kolonializma 1965:124-172.
- 72335 ZHELEV, G. E. Balansut na narodnoto stopanstvo i vuprosi na sotsialisticheskoto vuzproizvodstvo v NR Bulgariya. [Balance of the national economy and the problems of socialist production in Bulgaria]. Sofika, Nauka i Izkustvo, 1965. 363 p. HD2042.Z4

AGRICULTURAL FINANCE

- 72336 AGRICULTURAL BANK OF CHINA. PROVINCIAL SHANSI BR. Concerning some methods and planning of budgetary allocations supervision. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 44: 17-28. June 9, 1965. (JPRS 30,514) 173 J663Tram
Agricultural finance.
Translation from Nung Ts'un Chin Jung 4-5: 49-58. Feb. 26, 1965.
Issued by CFSTI.
- 72337 BREIMYER, H. G. Why do farmers overinvest? J. Farm Econ. 48(2):475-477. May 1966. 280.8 J822
- 72338 BUSH, K. The budget and plan for 1966. Munich. Inst. Stud. USSR. Bull. 13(4):32-43. Apr. 1966. 280.9 M922B
Contains a section on investments in agriculture.
- 72339 CHINA AGRICULTURAL BANK. Problems of rural financing in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 29:1-6. Jan. 28, 1965. (JPRS 28,511) 173 J663Tram
Translation from Nung Ts'un Chin Jung 12: 13-16. Sept. 21, 1964.
Issued by CFSTI.
- 72340 DOBREV, G. New funds on cooperative farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:12-17. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Bulgaria.
Translation from Otchetnost i Kontrol 4:178-180. Apr. 1966.
Issued by CFSTI.
- 72341 HELLDIN, B. Outlook for the future. (Sw) Sveriges Jordbrkassseforbund. Jordbrkassserelsen. 26(2):45-50. 1966. 284.29 Sv2
Financing of farms.
- 72342 KLEMYSHEV, P. A. Fondoemkost' sel'skokhozyaistvennoi produktii i rezervy ee snizheniya [Capital investments in the agricultural production and the method of their possible decrease]. Moskva, Ekonomika, 1966. 159 p. HD1992.K5
- 72343 KOPCSO, J. Problems in planning investments in fruit production. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 28(3):229-245. Ref. 1964, pub. 1965. 80 B85
English summary.
- 72344 LIBKIND, A. Reduction of capital investment consumption in production is an important condition for the intensification of agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:1-16. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Includes farmers expenditures.
Translation from Voprosy Ekonomiki 11:28-38. Nov. 1964.

- 72345 MONOV, V. Results of economic analysis of 1964 TKZS operations in relation to material expenditures. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:9-15. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Collective farming in Bulgaria.
Translation from Otchetnost i Kontrol 2:61-66. Feb. 1966.
Issued by CFSTI.
- 72346 OPALLO, M. Some aspects of economic development in Poland. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 375:8-25. Sept. 22, 1964. (JPRS 26,504; TT 64-41762) 173 J663Tre
Includes farm investments.
Translation from Gospodarka i Administracja Terenowa 7/8:62-67. July/Aug. 1964.
- 72347 PEREL', S. S. Better utilization of the fixed capital. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:39-40. May 1966. 30.69 Uc4
- 72348 ROSCHER, G. Plan budget, keep your farm. Farming S. Afr. 42(1):74-76. Apr. 1966. 24 So842
- 72349 SAHNI, B. S. Saving and Indian economic development. Diss. Abs. 26(10):5755-5756. Apr. 1966. 241.8 M58
Includes the agricultural economy.
- 72350 SMOLKA, K. What does the EEC agricultural policy cost? (Ge) L E (Lebensmittel Ernähr.) 18(9):6-7. Sept. 1965. 389.8 Z34
- 72351 SO, K. H. Timely and accurate financial settlement and product distribution in cooperative farms. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 174:36-41. Jan. 11, 1966. (JPRS 33,686; TT 66-30130) 173 J663Er
Translation from Nodong Sinmun, Nov. 14, 1965:2.
Issued by CFSTI.
- 72352 SZAKACSI, J. Economical distribution of stationary investments in large farms. (Hu) Debreceni. Agrartud. Foisk. Tud. Uleszakanak. Eloadasai 1964:269-273, map. 105.9 D354
German summary.
- 72353 VECHERKO, G. N., and ZHEVNEROVICH, V. S. Increasing effectiveness of fixed capital on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:36-38. May 1966. 30.69 Uc4
- 72354 ZUBIYETAN, V. The amortization fund of kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:29-32. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Kommunist, Oct. 29, 1964:2.
Used by CFSTI.
- Credit
- 72355 BANCO AGRICOLA Y PECUARIO (VENEZUELA). Informe anual [Annual report], 1965. Caracas, 1966. 343 p. 284.29 B224I
- 72356 BEALE, C. I. A. Planning and budgeting for rural loans. Power Farming Australia New Zeal. Better Farming Dig 75(4):7-8, 83, 85. Apr. 1966. 58.8 P87
- 72357 BERNARD, H. Conversion, a new form of credit. (Fr) Sucerie Franc. 107(5):130-132. May 1966. 65.8 J82
- 72358 BERNARD, H. Long term credit. (Fr) Sucerie Franc. 107(4):95-99. Apr. 1966. 68.5 J82
- 72359 BRAKE, J. R. Interest rate terminology and calculation. Mich. State Univ. [Ext.] Agr. Econ. Rep. 13, 27 p. Ref. Mar. 1966. 281.9 M5842
- 72360 BRYAN, E. L., and THURSTON, F. C. How to figure the true annual rate of interest. Auburn Univ. Ext. Circ. HE-64, 8 p. Oct. 1965. 275.29 AL14
- 72361 BUSUIOCEANU, M. Increased efficiency in the use of bank control in support of state agricultural farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:122-124. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Gazeta Finantelor, Feb. 9, 1966:1-2.
Issued by CFSTI.
- 72362 COLOMBIA. CAJA DE CREDITO AGRARIO, INDUSTRIAL Y MINERO. Informe de gerencia, 31 de diciembre de 1965 [Management report, December 31, 1965], by J. E. del Hierro. Bogota, 1966. 161 p. 284.29 C127
- 72363 COOPERATIEVE CENTRALE RAIFFEISEN-BANK. Verslag over 1965, het zevenenzestigste boekjaar [Report for 1965, the seventy-sixth fiscal year]. Utrecht, 1966. 44 p. 284.29 C782
Includes agricultural credit operations.
- 72364 CUPERUS, S., and KAMMINGA, J. Financiering van het landbouwbedrijf; theoretische achtergronden en praktische toepassing [Financing of the agricultural holding; theoretical background and practical application]. Wageningen. Proefsta. Akker-Weidebouw. Publ. 28, 56 p. Feb. 1966. 12 W12
- 72365 DEUTSCHE GENOSSENSCHAFTSKASSE. Bericht über das Geschäftsjahr [Report for the fiscal year] 1965. Frankfurt am Main, 1966. 41 p. 280.9 D483
- 72366 DZAGUROV, G. B. A valuable experiment; credit for collective farm production. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:23-25. May 1966. 30.69 Uc4
- 72367 FLORIDA CITRUS PRODUCTION CREDIT ASSOCIATION. Annual report, 1964. Orlando, 1965. 26 p. 284.29 F66A
- 72368 HANSEN, G. Are the new fruit growers to be strangled? (Da) Erhvervsfrugtavlere 32(11):437-441. Nov. 1, 1965. 80 Er3
Financing and taxation.
- 72369 HARIS, J. Einstellung der landwirtschaftlichen Betriebsleiter zu Krediteinsatz und Kreditverwendung; eine Repräsentativhebung an 2097 landwirtschaftlichen Betriebsleitern im ganzen Bundesgebiet [Attitude of farm managers to credit application and use; a representative sampling of 2097 farm managers in the entire Federation]. Hohenheim. Landwirt. Hochsch. Diss. 3, 1965. 167 p. 10.5 H686D
Bibliography, p. 154-163.
- 72370 HILL, M. D. The farm equipment industry. Agr. Banking Financ. 8(3):24. May/June 1966. 284.8 B22
Chiefly credit.
- 72371 LAURSEN, R. Are the new fruit growers to be strangled? (Da) Erhvervsfrugtavlere 32(12):484-487. Dec. 1, 1965. 80 Er3
Financing and taxation.
Comments on article by G. Hansen.
- 72372 LEWISTON, D. S. G. Farm EDP and the banker. 1. What banks can do now. Banking 58(11):78-80, 82. May 1966. 284.8 Am3
- 72373 MITYUSHKIN, T. Improving agricultural financing. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:12-25. May 9, 1966. (JPRS 35,391; TT 66-31827) 173 J663Tso
Chiefly credit to collective farms.
Translation from Voprosy Ekonomiki 1:47-58. Jan. 1966.
Issued by CFSTI.
- 72374 NATIONAL AGRICULTURAL BANK OF LIBYA. Eighth annual report of the board of directors, year ended 31st March 1965. Tripoli, 1965. 46 p. 284.29 N215
- 72375 NEW SOUTH WALES. DEPT. OF AGRICULTURE. The Farmers' Relief Act; some questions and answers on debts adjustment and supplementary assistance. Agr. Gaz. New S. Wales 77(2):98-101. Feb. 1966. 23 N472
- 72376 O'BRIEN, A. J. What's needed in agri-business financing. Agr. Banking Financ. 8(3):22-24. May/June 1966. 284.8 B22
Feed industry.
- 72377 PERRYMAN, C. E. The use of credit in agriculture. Wash. State Univ. Ext. E. M. 2609, 20 p. Feb. 1966. 275.29 W27Mi
Chiefly poultry.
- 72378 POSKONOV, A. Gosbank in the concluding year of the Seven-Year Plan. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 198:66-82. June 25, 1965. (JPRS 30,796; TT 65-31340) 173 J663Sove
Includes farm credit.
Translation from Den'gi Kredit 4:3-14. Apr. 1965.

- 72379 POWELL, A. J. The poultry industry. *Agr. Banking Financ.* 8(3):24,26. May/June 1966. 284.8 B22 Credit.
- 72380 SCHMIDT, G. Future tasks of the German peasant bank [Deutsche Bauernbank] in the new economic system. III. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East Europe 446:28-38. Mar.9,1965. (JPRS 29,034) 173 J663Tre
Farm credit and investment in East Germany. Translation from Deutsche Finanzwirtschaft 24:G7-G11. Dec.1964.
- 72381 STAUNING, A. Are the new fruit growers to be strangled? (Da) *Erhvervsfrugtavlere* 32(12):481-484. Dec.1,1965. 80 Er3
Financing and taxation.
Comments on article by G. Hansen.
- 72382 SVERIGES JORDBRUKSKASSEFORBUND. *Arsredovisning och revisionsberättelse* [Annual report and accounts of the Farm Credit Association of Sweden]. Stockholm, 1966. 14 p. 284.29 Sv2S Cooperative.
- 72383 SVERIGES JORDBRUKSKASSEFORBUND. *Jordbrukskasserorelsen* [The farm credit movement], 1964. Stockholm, 1965. 49 p.,map. 284.29 Sv2J Cooperative.
- 72384 U. S. FARM CREDIT ADMIN. Summary of 1965 general counsel conference. Washington, 1965. 79 p. 1.955 A2D56
- 72385 U. S. FARM CREDIT ADMIN. 32d annual report on the work of the Cooperative Farm Credit System 1964-65. Washington, 1966. 116 p.,map. 166.2 An7
- 72386 U. S. FARMERS HOME ADMIN. Need a little help? Want to make more money farming? Or start a little business? Or do a better job with the one you have? U. S. D. A. PA-706,3 p. Apr.1966. 1 Ag84Pro Credit.
- 72387 VLISSINGEN, A. VAN. Financing challenge: small banks, big-time farming; growing operations in South Florida are on a vast scale, creating real management problems for the country banks. *Burroughs Clearing House* 50(8):38-39,79-80,82,84. May 1966. 284.8 B94
- Income
- 72388 MALONE, B., and WALDROP, J. E. The income position of non-commercial farmers in Louisiana. *La. Rural Econ.* 28(2):14-16. May 1966. 281.8 L93
Includes supplementary income.
- 72389 MULLER, H. J. The problem of income distribution in agriculture. (Ge) Germany. *Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)43(3):562-570. 1965. 18 G31
English summary.
- 72390 STANEV, S. National income—chief source for the development of Bulgaria. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East Europe 446:1-20. Mar.9,1965. (JPRS 29,034) 173 J663Tre
Includes income for agriculture and forestry. Translation from *Rabotnichesko Delo*, Feb.14, 1965:3-4.
- 72391 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Farm income, State estimates 1949-1964; a supplement to the July 1965 farm income situation. U. S. D. A. Econ. Res. Serv. FIS-199(sup.),135 p.,map. Aug.1965. 1.941 F8F22
- Insurance
- 72392 BECKERICH, A. Old-age pensions. (Fr) *Agr. Prat.* 130(3):25-28. Mar.1966. 14 J82
Private pensions.
- 72393 CROP insurance. Fed. Reserve Bank Chicago. *Bus. Cond.*, May 1966:7-11,map. 284.8 F31Ch
- 72394 DAHL, A. Crop insurance. (No) *Norsk Landbruk* 23:10-11,15. Nov.19,1965. 11 N8122
- 72395 KAMPITSFS, N. Integration of the activities of A.T.H. in the section of insurance. (Gre) *Delt. Agrotikes Trapezes* 146:29-30. Sept./Oct.1965. 21.7 D38
Agricultural Bank of Greece (Agrotike Trapeza Hellados).
- 72396 KARPOV, G. K. State farm insurance. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 271:42-47. Apr.6,1966. (JPRS 34,920; TT 66-31358) 173 J663Sove
For losses of crops and properties. Translation from *Ekonomicheskaya Gazeta* 5:18. Feb.1966.
Issued by CFSTI.
- 72397 LEEDY, C. D. Liability protection for outdoor recreation enterprises. N. Mex. State Univ. *Ext. Circ.* 385,8 p. Mar.1966. 275.29 N463E
Farm recreational facilities.
- 72398 NOELL, K., and RULLER, C. Die Altershilfe für Landwirte mit Erläuterungen und Beispielen, dargestellt nach dem dritten Gesetz zur Änderung und Ergänzung des Gesetzes über eine Altershilfe für Landwirte vom 13. August 1965, BGBI. I. S. 801 [Old-age assistance for farmers with explanations and examples, illustrated according to the third law on changing and supplementing the Law on Old-Age Assistance for Farmers of August 13, 1965, BGBI. I. p.801]. Ed. 6, completely rev. Berlin, Schmidt, 1966. 164 p. HD7116.F32G3
- 72399 SANDQVIST, E. Temporary changes in the area divisions of the crop insurance system. (Sw) *Jordbruksekon. Medd.* 28(4):95-102. Apr. 1966. 257.3 J76
English summary, p.94.
- 72400 STURT, D. W. Workmen's compensation and Michigan farm employers. Mich. State Univ. [Ext.] *Agr. Econ. Rep.* 35,4 p. Jan.19,1966. 281.9 M5842
- 72401 WESTFALISCHE LANDWIRTSCHAFTLICHE BERUFGSGENOSSENSCHAFT. Verwaltungsbericht für das Geschäftsjahr 1964 [Administration report of the Westphalian Professional Cooperative for the fiscal year 1964]. Munster, 1965. 47 p. 280.29 W525
Westphalian Agricultural Family Equalization Bank [Westfälische Landwirtschaftliche Familienausgleichskasse] and Westphalian Agricultural Old-age Bank [Westfälische Landwirtschaftliche Alterskasse] cooperating.
- Taxation
- 72402 GIL MORENO DE MORA, J. M. The concept of taxation and the country. (Sp) *Cult. Mod.* 49(2):56-57. Feb.1966. 15 C89
- 72403 JAM'YAN, B. The policy always pursued by the MPRP regarding the livestock breeding taxes. U. S. Joint Publ. Res. Serv. Transl. Mongolia 97:26-30. Jan.24,1966. ((JPRS 33,859; TT 66-30302) 173 J663Tmo
Translation from *Dzaluuchudyn Unen* Oct.17, 1965:2-3.
Issued by CFSTI.
- 72404 LEFORT DES YLOUSES, G. The beekeepers and roadside advertising. (Fr) *Apiculteur* 110(3):59-61. Mar.1966. 424.8 Ap3
Taxes on billboards.
- 72405 MULLER, R. Lack of unified evaluation of farms. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(15):639,641. Apr.14,1966. 18 N39
For taxation.
- 72406 NEW ZEALAND, INLAND REVENUE DEPT. Farmers tax guide. Wellington, N. Z., Owen, 1965. 31 p. (Its Information Pamphlet, IR 292) HJ4444.A29
- 72407 U. S. INTERNAL REVENUE SERV. ALCOHOL AND TOBACCO TAX DIV. What you should know about the Alcohol and Tobacco Tax Division. Washington, 1965. 31 p.,map. (U. S. Internal Revenue Service, Publication No.425) HJ5018.A2U5

AGRICULTURAL LABOR AND WAGES

- 72408 AGBAANSODOB, N. Agitation must be popularized. U. S. Joint Publ. Res. Serv. Transl. Mongolia 94:14-16. Dec.30,1965. (JPRS 33,553; TT 65-34127) 173 J663Tmo
Increasing incentive through competition.
Translation from Namyn Am'dral 8:19-21. Aug.1965.
Issued by CFSTI.
- 72409 AVRAAMOVA, A. The problem of appraising labor in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 105:45-49. May 9, 1966. (JPRS 35,390; TT 66-31826) 173 J663Tou
Wages and the problem of estimating value of products issued to workers and charged against wages.
Translation from Voprosy Ekonomiki 12:147-149. Dec.1965.
Issued by CFSTI.
- 72410 BECKERICH, A. How the agricultural salaries developed after the last appropriation of the SMAG. (Fr) Agr. Prat. 129(7):24-29. July 1965. 14 J82
Minimum wages to give parity with those in industry.
- 72411 BRHLOVIC, G. Planovanie pracovnych sil v pol'nohospodarskych podnikoch [Labor work management in collective farms]. Bratislava, Slovenske Vydavatelstvo Podohospodarskej Literaturny, 1965. 177 p. Ref. HD70.C95B7
- 72412 BUCHMILLER, M. Marching toward mechanization. Doane's Agr. Rep. 29(14):28-31. May 8,1966. 281.8 D652
Farm labor strikes in California.
- 72413 BURSKE, A. Main employment problems during the next Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 557:17-22. Mar.22,1966. (JPRS 34,668; TT 66-31107) 173 J663Tre
Includes agricultural needs in Poland.
Translation from Rada Narodowa 6:3-6. Feb. 1966.
Issued by CFSTI.
- 72414 CARY, F. Introduction to the study of time standards in labor. (Por) Agros [Lisboa] 47(5):371-397. Ref. Sept./Oct.1964. 15.5 Ag82
English summary.
- 72415 CHON, T. Y. Labor administration in rural economy. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 175:14-22. Feb.28,1966. (JPRS 34,307; TT 66-30748) 173 J663Er
Translation from Kulloja 21:14-20. Nov.5, 1965.
- 72416 DESYATOV, V. Material incentive for improvement of the quality of state farm animal husbandry products. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 66:1-8. May 4,1965. (JPRS 29,891) 173 J663Tso
Translation from Voprosy Ekonomiki 2:24-28. Feb.1965.
Issued by CFSTI.
- 72417 DIETZEL, H. Reflections on efficient estimating of pay according to amount of livestock produced. (Ge) Tierzucht 20(4):198-201. Apr. 1966. 49 T443
- 72418 EICHHORN, H. Relationship between agricultural engineering and buildings. (Ge) Mitt. Deut. Landwirt.-Ges. 81(1):3-6. Jan.6,1966. 18 N39
Labor efficiency in mechanization and building arrangements.
- 72419 ENDRIZZI, L. Labor and equipment in modern agriculture. (It) Terra Trentina 11(9):335-336. Sept.1965. 16 T227
- 72420 GANDRABURA, V. S. Organizing accounting of mechanized work teams. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:21-22. May 1966. 30.69 Uc4
Wages.
- 72421 GOSSLING, W., and DOVRING, F. Labor productivity measurement: the use of subsystems in the interindustry approach, and some approximating alternatives. J. Farm Econ. 48 (2):369-377. May 1966. 280.8 J822
- 72422 HELMERS, G. A. Factors affecting the demand for farm labor. Diss. Abs. 26(10):5759-5760. Apr.1966. 241.8 M58
Regression analysis.
- 72423 INDIANA, STATE EMPLOYMENT SERV. Farm labor report, 1964. Indianapolis, 1965. 65 p., map. 283.9 In2
Includes outlook and recruitment.
- 72424 JAKUBAUSKAS, E. B. Job opportunities for Iowa's youth. Iowa. State Univ. Ext. Spec. Rep. 46,12 p. Feb.1966. 100 Io9Sp
- 72425 KHELEBNIKOV, V. It is essential that all reserves be utilized in order to increase productivity of labor in grain farming. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:11-20. Apr.5,1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaystva 11:16-22. Nov.1964.
Issued by CFSTI.
- 72426 KIANGSU PROVINCIAL SUPPLY AND MARKETING COOPERATIVE. The several ways of applying the industry-agriculture duo-labor system. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 50: 10-14. July 21,1965. (JPRS 31,198; TT 65-31695) 173 J663Tram
Translation from Lao Tung 12:10-12. Dec.18, 1964.
Issued by CFSTI.
- 72427 KIZIM, N. M. Supplemental wages on grain farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:41-43. May 1966. 30.69 Uc4
- 72428 KOLESNEV, S. Stimulation of agricultural production. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 99:22-26. Feb.3,1966. (JPRS 33,979; TT 66-30422) 173 J663Tou
Utilization of labor.
Translation from Ekonomicheskaya Gazeta 48:38. Dec.1965.
Issued by CFSTI.
- 72429 KOROTKOV, V. F. Material stimulation in purchasing and deliveries of cattle breeds. (Rus) Zhivotnovodstvo 4:46-47. Apr.1966. 49 Z6
Wages.
- 72430 KOSTADINOV, G. Wages in agriculture under the new system. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:6-11. May 16,1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Bulgaria.
Translation from Otchetnost i Kontrol 4:168-172. Apr.1966.
Issued by CFSTI.
- 72431 LALIC, B. Analysis of the distribution and organization of labor in the production of swine on collective farms. (Se) Stocarstvo 19(11/12): 439-455. Nov./Dec.1965. 43.8 St6
- 72432 LANDSORGANISATIONEN I SVERIGE. Berattelse [Report of the Confederation of Swedish Trade Unions], 1964. Stockholm, 1965. 397 p. 283.9 L23
Includes farm labor.
- 72433 LAXALT, R. Lonely sentinels of the American West, basque shepherders. Nat. Geogr. 129 (6):870-888. June 1966. 470 N213
- 72434 LEADBETTER, E. R. District work crews make jobs as they heal land. Soil Conserv. 31 (10):228-229. May 1966. 1.6 So3S
West Virginia.
- 72435 LIPTAK, J. Mezinarodni delba prace v zemedelstvi zemi RVHP [International distribution of labor in the agriculture of countries members of the Soviet bloc]. Praha, Nakladatelstvi Politicke Literaturny, 1965. 323 p. Ref. HD 1917.L5

- 72436: LIU, K. H., and MEI, K. P. The victory of Chiangchow People's Commune in producing grain. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 2:44-56. Jan.16,1961. (JPRS 8094; SS 1188) 173 J663Trh
Chiefly work managment.
Translation from Hung Ch'i 2:27-33. Jan.16, 1961.
- 72437: MADDEN, C. J. Labour charges account for half the production costs. Planters' Chron. 61 (7):132. Apr.1,1966. 22 P693
- 72438: MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. Alternative farm labor records and payment systems. Mich. State Univ. [Ext.] Agr. Econ. Rep. 9,10 p. 1965? 281.9 M5842
- 72439: PANASYUK, B. A single accounting for the payment of labor. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:53-57. Jan.21,1965. (JPRS 28,398) 173 J663Tso
Of collective farms.
Translation from Ekonomika Sel'skogo Khozyaystva 9:103-106. Sept.1964.
Issued by CFSTI.
- 72440: PERKINS, B., and HATHAWAY, D. The movement of labor between farm and nonfarm jobs. Mich. Agr. Exp. Sta. Res. Bull. 13,49 p. 1966. 100 M58R
- 72441: PERROT, M. Chronicle of wages 1964-1965. (Fr) Soc. Statist. Paris. J. 107(1/3):51-61. Jan./Mar.1966. 260 P212J
Contains a section on wages in agriculture.
- 72442: PHIFER, B., and SPURLOCK, D. Federal-State programs for occupational education & training. U. S. D. A. PA-703,23 p. Mar.1966. 1 Ag84Pro
Includes extension programs.
- 72443: RICKS, D. J. Worker productivity in apple picking. Mich. State Univ. [Ext.] Agr. Econ. Rep. 41,25 p. Feb.1966. 281.9 M5842
- 72444: SARAI, A. Three year's work at the invitation of the party. U. S. Joint Publ. Res. Serv. Transl. Mongolia 94:21-24. Dec.30,1965. (JPRS 33,553; TT 65-34127) 173 J663Tmo
Agricultural labor management.
Translation from Namyn Am'dral 8:52-55. Aug.1965.
Issued by CFSTI.
- 72445: SMITH, R., and STINSON, C. Getting the most out of your 24 hours. Ariz. Univ. Ext. Circ. 287,18 p. Oct.1965. 275.29 Ar42
- 72446: SPRAVOCHNIK po deneznoi oplate truda kolhoznikov i tarifikiatsii sel'skokhozyaistvennykh rabot v kolkhozakh RSFSR [Handbook for cash wages and tariff for labor on collective farms in Russian Soviet Federated Socialistic Republic]. Moskva, Rossel'khozizdat, 1965. 263 p. HD1492.R9S6
- 72447: STAM, J. M. Changing agricultural employment opportunities, and the vocational agricultural program; a case study. Mich. State Univ. [Ext.] Agr. Econ. Rep. 33,28 p. Ref. Jan.1966. 281.9 M5842
Nebraska.
- 72448: STENDER, J. A. Labour advice in horticulture. (Du) Neth. Dir. Tuinbouw. Mededel. 28(12):618-621. Dec.1965. 86 N384
English summary, p.653.
- 72449: STEPANOVA, N. The criteria of guaranteed payment. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:14-19. Jan.21,1965. (JPRS 28,398) 173 J663Tso
For collective farmers.
Translation from Ekonomika Sel'skogo Khozyaystva 9:63-66. Sept.1964.
Issued by CFSTI.
- 72450: STOCKWELL, E. G., and MATTERSON, H. P. The population of Connecticut: occupational composition of the labor force, 1960. Conn. (Storrs) Agr. Exp. Sta. Bull. 393,19 p. Feb. 1966. 100 C76S
- 72451: TOSZEI, Z. Wages according to profits. (Hu) Magyar Mezogazdasag 21(14):17. Apr.6,1966. 19 M27
Dairy farm labor.
- 72452: TOTH, Z. Experiences with monetary wage payment. (Hu) Magyar Mezogazdasag 21(16): 10. Apr.20,1966. 19 M27
Labor.
- 72453: VASILEV, S. Some erroneous prescriptions in the regulation on premiums for management personnel on state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:24-29. May 16,1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Bulgaria.
Translation from Otchetnost i Kontrol 4:186-188. Apr.1966.
Issued by CFSTI.
- 72454: VASTHOFF, J. Supply and demand for labor and equipment services in agriculture. (Ge) Agrarwirtschaft 15(4):119-130. Apr.1966. 281.8 Ag826
English summary.
- 72455: VINCENT, W. H. Alumni employment status, Agricultural Economics Department, Michigan State University. Mich. State Univ. [Ext.] Agr. Econ. Rep. 8,27 p. May 1965. 281.9 M5842
- 72456: VLASCEANU, M. Trends in the territorial distribution of labor. (Rum) Rev. Statist. 14 (1):61-70. Nov.1965. 267.8 St22
Includes agricultural labor.
- 72457: WALLACE, T. D., and HOOVER, D. M. Income effects of innovation: the case of labor in agriculture. J. Farm Econ. 48(2):325-338. May 1966. 280.8 J822
Includes discussion by W. B. Back.
- 72458: ZAKLADNOI, V. S. Supplemental wages for workers with additional trades. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:48. May 1966. 30.69 Uc4
- 72459: ZASLAVSKAYA, T. I. Raspredelenie po trudu v kolkhozakh [Remuneration according to labor productivity in collective farms]. Moskva, Ekonomika, 1966. 342 p. HD1492.U4Z3

AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 72460: AMEGASHIE, R. S. The role of business in developing a sound agricultural programme. Ghana Farmer 9(2):52-53,73. May 1965. 24 G564
- 72461: ARANGO TAMAYO, F. The Plains, a new country. (Sp) Rev. Nac. Agr. 57(724):29-31. Aug.1965. 9.4 R32
Agriculture in Colombia.
- 72462: BAD'URA, E., and BURDA, F. Pol'nohospodarska vyroba [Agriculture]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatury, 1965. 359 p. S517.C95B3
- 72463: BALJINMYAM, B. MPR minister of agriculture discusses the fourth Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:21-23. Apr.25,1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Sotsialist Hodoo Aj Ahui, Jan.1,1966:2.
Issued by CFSTI.
- 72464: BELLATI, B. 1965: a difficult situation; it rained too much in the country. (It) Gior. Econ. 2:147-154. Feb.1955. 280.8 G432
Agricultural situation.
- 72465: BLYN, G. Agricultural trends in India, 1891-1947; output, availability, and productivity. Philadelphia, Univ. Penn. Press, 1966. 370 p. S471.I4B5
Bibliography, p.351-359.
- 72466: BOHTE, H. G. Foundations of agricultural structure in the Federal Republic of Germany. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(3):393-442, map. Ref. 1965. 18 G31
English summary.
- 72467: BONATO, C. The five-year plan of agricultural development. (It) Bull. Agr. [Milano] 99 (14):1. July 9,1965. 16 B87

- 72468 BROWNE, R., and NOUYRIT, H. Yes, there is a common market. II. Toward a common agricultural policy, if the Community is realized. (Fr) *Nouvelles Marches Agr.* 110:19-29, map. Apr. 15, 1966. 286.8 N85
- 72469 BRUCKER, J. Situation and development of Uri agriculture. (Ge) *Grune* 93(52):1857-1864. Dec. 24, 1965. 17 Sch9
- 72470 CALZECCHI-ONESTI, A. Agricultural uneasiness. (It) *G. Agr.* 76(20):223. May 15, 1966. 16 ItIG
Policy.
- 72471 CANADA, DEPT. OF AGRICULTURE. Previsions agricoles Canada [Agricultural outlook for Canada]. Ottawa, 1965. 13 p. 281.9 C163P
- 72472 CHAND, B. Our fourth Five-Year Plan. *Kurukshetra* 13(5):13-14. Feb. 1965. 281.28 K96
Includes agriculture in India.
- 72473 CHANG, Y. C. Further strengthen support to rural areas. U. S. Joint Publ. Res. Serv. [Transl.] *Econ. Rep. N. Korea* 177:6-8. Mar. 22, 1966. (JPRS 34,664; TT 66-31103) 173 J663Er
Translation from *Nodong Sinmun*, Feb. 12, 1966:1.
Issued by CFSTI.
- 72474 CHOLJILJAB, SH. The flourishing of agriculture. U. S. Joint Publ. Res. Serv. Transl. *Mongolia* 107:8-11. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from *Hodolmor*, Feb. 3, 1966:2.
Issued by CFSTI.
- 72475 COX, C. M. The challenge of our job. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:28-31. A281.9 V59
Agricultural Stabilization and Conservation Program in Vermont.
- 72476 DUONG QUOC CHINH. Achievements in 1964 agricultural production. U. S. Joint Publ. Res. Serv. Transl. *N. Vietnam's Econ.* 150:2-6. Mar. 8, 1965. (JPRS 29,025) 173 J663Trn
Translation from *Quan Doi Nhan Dan* 1462:4. Jan. 7, 1965.
Issued by CFSTI.
- 72477 EHKIRCH, P. Y. For a new orientation of agricultural cooperation; parameters of agriculture 1966. (Fr) *Econ. Agr.* 1:31-46. (Cont.) Jan. 1966. HD1945.A1E2
European Economic Community and France.
- 72478 EWELL, R. Agriculture's crucial role in next decade. *Sugar J.* 28(11):74-75, 77-79. Apr. 1966. 65.8 Su391
- 72479 FEKETE, I. About the agriculture of Israel. (Hu) *Gazdalkodas* 10(2):83-87, map. Apr. 1966. 281.8 G25
- 72480 FERNANDEZ, R. Community development. (Sp) *Panagra* 5(61):40-43. Nov. 1965. 8 P196
Mexico.
- 72481 FIVE-YEAR Plan of development of agriculture and melioration in the USSR. (Rus) *Gidrotekh. Melior.* 4:1-6. Apr. 1966. 290.8 G362
- 72482 FOIX, T. DE. Toward the planting of more profitable crops. (Sp) *Cult. Mod.* 48(11):405-406. Nov. 1965. 15 C89
- 72483 FRANSSON, F. Study trip in West Germany. (Sw) *Lantbrukstjanstemannen* 48(2):24-25, 27, 32. Apr. 1966. 11 L295
Agriculture.
- 72484 GAPONENKO, G. The basic problems in developing agriculture during the new Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. *Soviet Agr.* 125:14-26. May 26, 1966. (JPRS 35,727; TT 66-32162) 173 J663Tso
Translation from *Planovoye Khozyaystvo* 3:1-10. Mar. 1966.
Issued by CFSTI.
- 72485 GAPONENKO, G. On democratic centralism in agricultural planning. U. S. Joint Publ. Res. Serv. [Transl.] *Soviet Econ. Syst. Struct. Policy* 200:26-36. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from *Planovoye Khozyaystvo* 1:18-25. Jan. 1965.
- 72486 GASSON, R. The challenge to British farming, 1960 to 1970. *Westminster Bank Rev.*, May 1966:32-41. 286.8 W52
Productive capacity.
- 72487 GIL MORENO DE MORA, J. M. Agricultural principles. (Sp) *Cult. Mod.* 49(1):9. Jan. 1966. 15 C89
Jurisprudence.
- 72488 GIL MORENO DE MORA, J. M. Agricultural structures. (Sp) *Cult. Mod.* 48(10):375-376. Oct. 1965. 15 C89
- 72489 GIL MORENO DE MORA, J. M. Local and regional development plans. (Sp) *Cult. Mod.* 48(12):454-455. Dec. 1965. 15 C89
In agriculture.
- 72490 GLEISBERG, W. Landbaukode fur die Klassifikation von landwirtschaftlicher Literatur [Agricultural code for the classification of agricultural literature]. Munchen, Bayerischer Landwirtschaftsverlag, 1966. 147 p. Z697.A4G6
- 72491 GOLDENBAUM, E. 20 years of the SED—20 years of alliance policy. (Ge) *Deut. Landwirt.* 17(3):113-115. Mar. 1966. 18 D4822
Includes agricultural policy.
- 72492 GRIFFIN, K. B. Algerian agriculture in transition. *Oxford Univ. Inst. Econ. Statist. Bull.* 27(4):229-252. Nov. 1965. 280.9 Ox2B
- 72493 HANSEN, J. Agriculture in the San Luis Valley. *Crop Comments* 20(2):5. Mar./Apr. 1966. 57.8 C88
- 72494 HATHAWAY, D. E. The search for new international arrangements to deal with the agricultural problems of industrialized countries. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 5, 25 p. Mar. 1965. 281.9 M5842
- 72495 HEICK, F. Time passes quickly. (Da) *Hedeselsk. Tidsskr.* 87(1):2-4. Jan. 15, 1966. 11 H35
Agricultural outlook.
- 72496 HILLHOUSE, W. F. West Germany's Green Report and Green Plan. *Can. Dep. Agr. Agr. Abroad* 21(2):25-30. Apr. 1966. 281.9 C1642A
- 72497 HILLMAN, J. S., and FARRISH, R. O. P. Agricultural surpluses? Arizona's share is small. *Progr. Agr. Ariz.* 18(1):5-6. Jan./Feb. 1966. 6 P9452
- 72498 HOEBER, F. P. The economy behind the Bamboo Curtain. *SRI (Stanford Res. Inst.) J., Feature Issue* 3, 42 p. Mar. 1966. 330.9 St2Jo
Contains a chapter on agriculture.
- 72499 HOPP, H. Agriculture in the United States of America. (Sp) *Tierra [Mexico]* 20(9):706-707. (cont.) Sept. 1965. 8 T445
- 72500 HOPP, H. Agriculture in the United States of America. (Sp) *Tierra [Mexico]* 20(11):870, 914-915. (Cont.) Nov. 1965. 8 T445
- 72501 HSIAO, C. J. An analysis of the "experimental farm" campaign in Communist China. (Ch) *Issues Stud.* 4(10):40-43. Ref. July 1965. 280.8 W48
Policy.
- 72502 HUSSAIN, M. Plans of Pakistan. *Com. Indus.* 10(2):31-35. Apr. 1966. 286.8 C734
Includes agriculture.
- 72503 JACQUET, A. Apropos of the documentation cards of the Center of Biological and Rural Studies of Caen University [Centre d'Etudes Biologiques et Rurales de l'Université de Caen]. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52(4):258-266. Feb. 16/23, 1966. 14 P215Bc
Includes discussion.
- 72504 JORGENSEN, W. The agricultural structure in the melting pot. (Da) *Danske Dyrslaegerfor. Medlemsbl.* 49(9):387-396. May 1, 1966. 41.9 D23
Europe.
- 72505 KALYDOPOULOS, G. L. Development of Greek rural communities. (Gre) *Delt. Agrotikes Trapezes* 145:16-18. July/Aug. 1965. 21.7 D38
- 72506 KJAERGAARD, N. Danish agriculture can not be satisfied with the results of EFTA. (Da) *Tolymandsbladet* 38(2):65-68. Feb. 1966. 11 T58
Comments on article by J. Christensen.

- 72507 KOVACS, S. Agriculture in the developing countries. (Hu) Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei 29(1):311-318. 1965. 80 B85
English summary.
- 72508 KROHN, H. Agrarian policy in mosaic. (Ge) Ubersicht 17(4):265-269. Apr.9,1966. 18 Ub3
- 72509 LARIN, I. V. Scientific and technical periodicals on agriculture and agricultural biology published in the USSR. Field Crop Abs. 19(2): 97-100. May 1966. 241 C73
A bibliography.
- 72510 LECERF, J. European agriculture in crisis. (Fr) Agr. Prat. 129(7):8-10. July 1965. 14 J82
- 72511 LECERF, J. From agriculture to horticulture; a look at the agricultural evolution of Netherlands. (Fr) Agr. Prat. 129(8):14-16. Aug./Sept.1965. 14 J82
- 72512 LEYVA, C. Agriculture in regression; adverse effects of official development campaigns. (Sp) Rev. Nac. Agr. 57(724):19-21. Aug.1965. 9.4 R32
Colombia.
- 72513 LIU, C. H. Strive to realize Kiangsi's agricultural expansion program ahead of schedule. 14 p. (JPRS 6637) Transl. 14819
Translation from Kiangsi Jih-pao, June 27, 1960.
Issued by CFSTI.
- 72514 LOM, F. Intenzita pol'nohospodarskej výroby [Intensity of agricultural production]. Bratislava, Slovenske Vydavatel'stvo Porohospodarskej Literaturny, 1965. 343 p.,map. Ref. HD1940.C95L62
- 72515 MCMILLEN, W. The farmer. Washington, Potomac Books, 1966. 120 p.,map. Ref. (U.S.A. Survey Series) S441.M3
- 72516 MEHTA, A. Towards an agricultural revolution. Indian Farming 15(4):4-6. July 1965. 22 In283
- 72517 MONTANER ESTEVE, J. Agricultural panorama of 1965. (Sp) Cult. Mod. 48(12):441-445. Dec.1965. 15 C89
- 72518 MONTANER ESTEVE, J. The poles of development and agriculture. (Sp) Cult. Mod. 49(2): 66-67. Feb.1966. 15 C89
Rural development program involving improvements in agricultural structure, population migration, and creation of urban centers to provide markets.
- 72519 MONTANER ESTEVE, J. Spanish Green Plan? (Sp) Cult. Mod. 48(12):456-457. Dec.1965. 15 C89
- 72520 MOOMAW, I. W. The challenge of hunger; a program for more effective foreign aid. New York, Praeger, 1966. 222 p. HC60.M6
Includes AID program.
- 72521 MUMME, W. Intensity and yield in relation to production conditions. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(3):540-561. Ref. 1965. 18 G31
English summary.
On farm and in community.
- 72522 NASH, E. F. Agricultural policy in Britain; selected papers, edited by G. McCrone and E. A. Attwood. Cardiff. Univ. Wales Press, 1965. 168 p. HD1927.N3
- 72523 NATIONAL FARMERS' UNION. 1966 policy. Denver, 1966. 44 p. 280.29 F222N
- 72524 NAYAR, G. K. Taiwan shows the way. Indian Farming 15(12):24-25. Mar.1966. 22 In283
- 72525 PAAS, S. The celebrated decennium—Russian agrarian policy from 1953-1963. (Du) Landbouwkundig Tijdschr. 78(4):162-166. Apr.1966. 105.2 Or3
- 72526 PAGELLA, M. Evolutionary tendencies of the productive and trading sectors of agriculture. (It) Riv. Econ. Agr. 20(4):106-124. 1965. 281.8 R52
English summary.
- 72527 PASCUAL ALOMAR, S. DE. Compilation of the special civil law of Catalonia and agrarian rights. II. (Sp) Inst. Agr. Catalan San Isidro. Rev. 114(6):120. June 1965. 15 Sa5
- 72528 PENKOV, D. New system of planning and management in agriculture. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 563:7-15. Apr.18,1966. (JPRS 35,090; TT 66-31528) 173 J663Tre
In Bulgaria.
Translation from Kooperativno Zemedelie 2:16-18. Feb.1966.
Issued by CFSTI.
- 72529 PENNSYLVANIA, DEPT. OF AGRICULTURE. Directory of information 1966. Penn. Dep. Agr. Bull. 49(1),46 p. Mar.1966. 2 P38B
- 72530 PIERACCINI, G. The Marches and programming. (It) Gaz. Com. 19(3):3-11. Mar.1966. 280.8 G253
Includes agricultural policy.
- 72531 PLESSNER, Y. Quadratic programming competitive equilibrium models for the U.S. agricultural sector. Diss. Abs. 26(10):5760. Apr. 1966. 241.8 M58
For farm policy formulation.
- 72532 POPESCU, B. Growth of the organizing role of the state in the development of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:16-21. May 4,1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
Policies in Rumania.
Translation from Rominia Libera, Feb.8, 1966:1,2.
Issued by CFSTI.
- 72533 QUANG, P. Balanced development of animal husbandry and cultivation. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 231:1-25. Apr.12,1966. (JPRS 35,015; TT 66-31453) 173 J663Trn
Translation from Nhan Dan 4346-4349:2 of each issue. Feb./Mar.1966.
Issued by CFSTI.
- 72534 SEELEMANN, M. An eventful study trip to Transvaal (South Africa) and Southwest Africa. (Ge) Molk.-Zeitung Welt Milch 19(37):1230-1232. (Cont.) Sept.17,1965. 44.8 M735
Observations on agriculture.
- 72535 SERROEN, F. Apercu succinct de l'agriculture belge en 1965 [Brief review of Belgian agriculture in 1965]. Brussels. Inst. Econ. Agr. Notes I.E.A. 6,12 p. Mar.1966. 281.9 B832N
- 72536 SHIGERU, I. The applicability of the Japanese experience in agriculture. 25 p. (JPRS 22,936; OTS 64,21411) Transl. 14281
To Asian countries.
Translation from Keizai Kenkyu 14(2):114-122. Apr.1963.
CFSTI: \$0.75.
- 72537 SKOV, K. S. Agriculture on Greenland. (Da) Hedeselsk. Tidsskr. 87(1):5-10. Jan.15,1966. 11 H35
- 72538 SUBRAMANIAM, C. Increasing agricultural production role of community development. Kurukshetra 13(5):4-7. Feb.1965. 281.28 K96
Policies in India.
- 72539 SYULEMEZOV, S. The new planning system, an important incentive for more rapid increases and improvement in the quality of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:7-15. May 4,1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
Policies in Bulgaria.
Translation from Kooperativno Zemedelie 3:11-14. Mar.1966.
Issued by CFSTI.
- 72540 T'AO, C. Compass for 500 million peasants in following path of socialism. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 8:23-42. Ref. Aug.20,1965. (JPRS 31,630; TT 65-32125) 173 J663Trh
Agricultural policies in China.
Translation from Hung Ch'i 8:1965.
Issued by CFSTI.
- 72541 THUONG, L. C. Let us strongly develop goods production and practice a high degree of self-support in the new situation. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 3:52-63. May 3,1966. (JPRS 35,313; TT 66-31749) 173 J663Th
Includes policies for agricultural production.
Translation from Hoc Tap Mar.1966:33-44.
Issued by CFSTI.

- 72542 TING, Y. The popularization of agricultural science and technology. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 153:4-7. Mar.2,1965. (JPRS 28,950; TT 65-30416) 173 J663Tcco
Policies in China.
Translation from Hsueh K'o Hsueh 11:2-3. Nov.1963.
Issued by CFSTI.
- 72543 TORNOW, W. Agricultural development help and development policy of the German Federal Republic and of international organizations. (Ge) Germany. Bundesmin. Ernahr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(3):571-584. Ref. 1965. 18 G31
English summary.
- 72544 TROSCHER, T. Village renewal from the viewpoint of agricultural policy. (Ge) Agrarsoz. Ges. Materialsamml. 40:9-10. Feb.1965. 281.9 Ag826M
Integral planning.
- 72545 TUMASYAN, A. Specific proposals to meet consumer needs. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 116:1-4. May 9,1966. (JPRS 35,380; TT 66-31816) 173 J663Tro
Five-Year Program and agriculture.
Translation from Kommunist, Mar.15,1966:2. Issued by CFSTI.
- 72546 ULREY, O. Training and development centers in patterns of national development. Mich. State Univ. [Ext.] Agr. Econ. Rep. 12,41 p. Ref. June 1965. 281.9 M5842
With reference to rural development in developing areas.
- 72547 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1965 annual conference, April 21-22, 1965. Burlington, Vermont. n.p., 1965. 78 p. A281.9 V59
Including address by Hon. R. T. Stafford.
- 72548 U. S. DEPT. OF AGRICULTURE. Improving the organization of agricultural services in Paraguay; report of a study team, October-November 1965, prepared by U.S. Department of Agriculture, in cooperation with Agency for International Development. Washington, 1965. 54 p.,map. aS471.P3A2
Members of study team: W. L. Popham, A. F. Arnold, C. L. Horn, and L. M. Schruben.
- 72549 U. S. NATIONAL AGRICULTURAL LIBRARY. Agricultural/biological subject category list. Washington, 1965. 48 p. aZ695.1.A4U5
Prepared by its Agricultural Vocabulary Project.
- 72550 VANCE, J. New challenges to ACP [Agricultural Conservation Program]. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:35-42. A281.9 V59
Vermont.
- 72551 VESTERGARD, K. M. Study trip to Poland. (Da) Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarsskr. 1965:65-73. 275.9 L97
Agriculture.
- 72552 VLADOV, D. The basic principles of the new system in agriculture. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 561:63-73. Apr.11,1966. (JPRS 34,978; TT 66-31416) 173 J663Tre
In Bulgaria.
Translation from Naruchnikna Agitatora 23:75-88. Dec.1965.
Issued by CFSTI.
- 72553 VREJBA, S. Intensification of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:30-39. Apr.7,1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
In Rumania.
Translation from Probleme Agricole 1:8-15. Jan.1966.
Issued by CFSTI.
- 72554 VREJBA, S., and JIANU, E. Intensification of production as a basic trend in the development of Rumanian agriculture. (Rum) Probl. Agr. [Bucharest] 18(1):8-15. Jan.1966. 21 R862
- 72555 WAHLFISK, K. O. Production volume--alternative models on the basis of among others the material of Agricultural Investigation [Jordbruksutredningen]. (Sw) Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 73:7-15. 1965. 11 Up62A
- 72556 WALTER, R. East German agricultural policy. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 438:1-8. May 10,1966. (JPRS 35,434; TT 66-31870) 173 J663Ste
Translation from Deutsche Finanzwirtschaft 6:13-15. Mar.1966.
Issued by CFSTI.
- 72557 WRIGHT, K. T. Taiwan's postwar agricultural development. Mich. State Univ. [Ext.] Agr. Econ. Rep. 19,47 p.,map. Ref. Oct.1965. 281.9 M5842

Subsidies

- 72558 AHMAD, Q. K. The operation of the Export Bonus Scheme in Pakistan's jute and cotton industries. Pakistan Develop. Rev. 6(1):1-37. Spring 1966. 280.8 P17
- 72559 AUSTRALIA. FRUIT INDUSTRY SUGAR CON-CESSION COMMITTEE. Thirty-fourth annual report for the year ended 31st August, 1965. Canberra, 1965. 23 p. 284.3659 Au7
- 72560 COMMONWEALTH DAIRY PRODUCE EQUALI-ZATION COMMITTEE. Thirty-first annual report of directors and balance sheet as at 30th June, 1965. Sydney, 1965. 12 p. 281.3449 C73
- 72561 DEBLOIS, E. N. Export payment assistance to U.S. agricultural exports, fiscal year 1964-65. Foreign Agr. Trade U. S., June 1966:5-20. A286.9 Ag8
- 72562 GIL MORENO DE MORA, J. M. Subsidized ag-ricultures. (Sp) Cult. Mod. 49(4):141-142. Apr.1966. 15 C89
- 72563 KROHN, H. B. The financing of projects for structural improvement in agriculture by the European Fund of Agricultural Orientation and Guarantee [Fonds Europeen d'Orientation et de Garantie Agricoles, F.E.O.G.A.]. (Fr) Indus. Aliment. Anim. 169:38-39,41-43,46,map. Mar. 1966. 389.78 In2
- 72564 MAUCH, A. Subsidies--something for every-body! Mich. State Univ. [Ext.] Agr. Econ. Rep. 17,8 p. Oct.1965. 281.9 M5842
- 72565 RANDHAWA, M. S. Package Programme [In-tensive Agricultural District Programme] lives up to its promise. Indian Farming 15(10):23-25. Jan.1966. 22 In283
- 72566 RECKEN, J. Promotion of agricultural struc-tural improvement from Federal funds. (Ge) Mitt. Deut. Landwirt.-Ges. 81(16):657-658,680-681. Apr.21,1966. 18 N39
- 72567 STOLZ, W. The French social fund for improve-ment of agricultural structure. (Fr) Agrar-wirtschaft 15(4):113-119. Apr.1966. 281.8 Ag826
English summary.

COST AND STANDARD OF LIVING

- 72568 MOORE, A. M. 1966 family living outlook. S. Dak. Farm Home Res. 17(1):31. Winter 1966. 100 So82S
- 72569 SRINIVASAN, M., SUBRAMANIAN, S. R., and MEENAKSHISUNDARAM, V. Standard of living in Parambikulam--Aliyar Project region. Madras Agr. J. 53(2):67-71. Feb.1966. 22 M262

FARM MANAGEMENT AND LAND ECONOMICS

- 72570 AANDERUD, W. G., PLAXICO, J. S., and LAGRONE, W. F. Income variability of alter-native plans, selected farm and ranch situa-tions, rolling plains of northwest Oklahoma. Okla. Agr. Exp. Sta. Bull. B-646,78 p.,map. Ref. Mar.1966. 100 Ok4
Linear programming used.

- 72571 AGBAANSODOB, SH. Deputy chairman of state farms administration on the tasks of the state farms. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:19-20. Apr.25,1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Sotsialist Hodoo Aj Ahui, Jan.1,1966:3.
Issued by CFSTI.
- 72572 ALEKSANDROV, N. P. Spetsializatsiya i konsentratsiya proizvodstva v kolkhozakh i sovkhozakh [Specialization and concentration of collective and state farm production]. Moskva, Kolos, 1966. 284 p.,map. HD1995.R9A4
According to regions.
- 72573 ANDRES TONINA, T. Influence of area on farm organization in the Departments of Lujan and Maipu, Province of Mendoza. (Sp) IDIA (Inst. Nac. Tecnol. Agropecuar.) 206:9-19. Feb.1965. 9 Id3
- 72574 ANGHEL, G., and GUTESCU, I. Principal means for increasing the contribution of the cooperative sector to the development of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 435:58-74. Apr.27,1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Policies for collective farming in Rumania. Translation from Probleme Economice 19 (2):68-81. Feb.1966.
Issued by CFSTI.
- 72575 BARBUT, M. Contractual economy and integration. (Fr) Rev. Agr. France 34:5-6. Nov. 1964. 14 R326
In agriculture.
- 72576 BARBUT, M. Farming without livestock. (Fr) Rev. Agr. France 43:2-3. Aug./Sept.1965. 14 R326
- 72577 BEDETTI, G. Rational development of livestock raising. (It) Agr. Ferrarese 69(5):85-90. May 31,1965. 16 Ag87
Farm management.
- 72578 BETTINI, T. M. Rationalization of animal production. (It) Allevatore 22(16/17):1-2. Apr. 1966. 49 A155
Farm management.
- 72579 BISHAY, F. K. Marginal rates of substitution between land, labor, and fertilizer in relation to the optimum planning of resource combinations. Diss. Abs. 26(10):5758. Apr.1966. 241.8 M58
- 72580 BROWN, R. W. Rancher-farmer-veterinarian teamwork saves money. Rural Realtor 18(5):1,8-9. May 1966. 282.8 R88
Cattle farm management.
- 72581 BURCKHARDT, I. Eier erzeugen mit Gewinn; Planung und Kalkulation im Betriebszweig Legehennenhaltung [Egg production with profit; planning and calculation in the farm branch layer hen rearing]. Geflügelzucht-Bucherei 16,166 p. Ref. 1965. 47.8 G277
- 72582 CAMPBELL, J. R. Family-type sugar cane farms in Louisiana, 1961-1964; returns, costs, and profits. La. Agr. Exp. Sta. DAE Res. Rep. 353,72 p. Mar.1966. 100 L935
- 72583 CANELAS, M. P. The farmer of the future. (Por) Gaz. Agr. Angola 11(1):750-751,767. Jan. 1966. 24 G252
- 72584 CASPALL, K. K., and EISGRUBER, L. M. Functional accounting for farm management decision making. Ind. Agr. Exp. Sta. Res. Progr. Rep. 216,26 p. Ref. Feb.1966. 100 In2Res
Computer-using system.
- 72585 CHINESE COMMUNIST PARTY. FINANCE-TRADE POLITICAL DEPT. HSIN-HSIANG DISTRICT COMMITTEE. Commercial work and diversified operations. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 10:43-55. Dec.20,1965. (JPRS 33,403; TT 65-33977; CSO 13029-N) 173 J663Trf
Finance-Trade Committee of Hsin-Hsiang Special Administrative Bureau, cooperating. Diversified farming. Translation from Ching Chi Yen Chiu 10:19-23. Oct.20,1965.
Issued by CFSTI.
- 72586 CITU, D. Economic advantages of livestock raising on large farms. (Rum) Probl. Econ. [Bucharest] 19(3):136-141. Mar.1966. 280.8 P947
- 72587 COATES, L. Factory farming and countervailing measures. Mother Earth 14(2):165-168. Apr.1966. 56.8 M85
Great Britain.
- 72588 CRAY, A. S. A farmer's view of the ley. Brit. Grassland Soc. J. 21(1):97-101. Mar.1966. 60.19 B773
Ley farming.
- 72589 DAVIES, G. D. D., and DUNFORD, W. J. A social and economic survey of County Council smallholdings in East Devon. Exeter. Univ. Dep. Agr. Econ. Rep. 159,62 p. Mar.1966. 281.9 Se1
Chiefly management.
- 72590 DAVIS, J. P., ed. The American Negro reference book. Englewood, Cliffs, N. J., Prentice-Hall, 1966. 969 p. Ref. E185.D2
Partial contents: The Negro in American Agriculture, by C. L. Beale, p.161-204; Employment patterns of Negro Men and Women, by E. Ginzberg and D. L. Hiestand, p.205-250 (includes farm employment).
- 72591 DOBERT, H. Possibilities and limits of farm simplification. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 138:3-10. Mar.15,1966. 281.8 B462
- 72592 DOLL, R. J. Agricultural data processing needs—present and future. Mountain States Banker 51(4):8,10,19,49. Apr.1966. 284.8 M86
In farm management decisions.
- 72593 DONCEA, C. Contracts as an important factor in orienting agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 434:14-16. Apr.26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
Translation from Scienteia, Mar.20,1966:1,3.
Issued by CFSTI.
- 72594 DYHRENFURTH, K., and WEISSER, E. Further development of inner cooperative democracy. (Ge) Deut. Landwirt. 17(3):115-118. Mar.1966. 18 D4822
Collectivization of farming.
- 72595 ENDRIZZI, L. Specialization in the modern agricultural economy. (It) Terra Trentina 11(9):319-320. Sept.1965. 16 T277
- 72596 FIORITO, G. Livestock raising on small farms. (It) Agr. Napoletana 32(9/10):12-20. Sept./Oct.1965. 16 Ag8268
- 72597 FOSTER, P. Analyzing systems of agricultural resource organization. J. Farm Econ. 48(2):272-278. Ref. May 1966. 280.8 J822
Based on management and tenure.
- 72598 GALIZZI, G. The land in the economy of the agricultural production. (It) Riv. Econ. Agr. 20(4):87-105. Ref. 1965. 281.8 R52
English summary.
- 72599 GERICH, S. I. Accounting and management on farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:19-20. May 1966. 30.69 Uc4
- 72600 GOSCHIK, E. Peasant trade cooperatives facing new tasks. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 438:9-10. May 10,1966. (JPRS 35,434; TT 66-31870) 173 J663Ste
Translation from Presse-Informationen 32:6. Mar.16,1966.
Issued by CFSTI.
- 72601 GREAT BRITAIN. MILK MARKETING BOARD. The structure of dairy farming in England and Wales during 1963/1964. Thames Ditton, 1965. 84 p.,map. HD9275.G6G7
- 72602 GROVE, E. W. Fiction and farm classification. J. Farm Econ. 48(2):473-475. May 1966. 280.8 J822
- 72603 GUIDE agricole Philips, tome 7, 1965 [Philips agricultural guide, volume 7, 1965]. Paris, 1965. 400 p. (Bibliotheque Agricole Philips) 14 G94
Farming information.

- 72604 GUMMERT, H., and HEEREN, M. Landwirt-schaftliche Familienbetriebe in Nordrhein-Westfalen; Rationalisierungsmöglichkeiten [Family farms in North Rhine-Westphalia; possibilities of rationalization]. Forsch. Bera-tung, Reihe C, Wiss. Ber. Diskussionsbeitr. 8, 246 p. Ref. 1965. 18 F778
Bibliography, p.242-246.
- 72605 GUZHVIN, P. Increased agricultural produc-tion claimed to result from cost-accounting and planning. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 125:10-13. May 26, 1966. (JPRS 35,727; TT 65-32162) 173 J663Tso
Translation from Pravda, Mar.28,1966:4.
Issued by CFSTI.
- 72606 HEADY, E. O., and AUER, L. Imputation of production to technologies. J. Farm Econ. 48 (2):309-324. May 1966. 280.8 J822
Field crop yield and production increases due to several variables.
Includes discussion by G. T. Barton.
- 72607 HERR, W. M. Technological change in the agriculture of the United States and Australia. J. Farm Econ. 48(2):264-271. Ref. May 1966. 280.8 J822
- 72608 HILL, C. W., and others. Educational needs of beginning dairy farm operators in New York, 1963. N. Y. (State) Agr. Exp. Sta. Bull. 1008, 36 p.,map. Ref. Jan.1966. 100 N48
J. P. Bail, H. R. Cushman, F. K. T. Tom, and F. C. Pearce, joint authors.
- 72609 HOANG ANH. Promote agricultural production and build socialism. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud). N. Vietnam 12: 30-44. Jan.20,1966. (JPRS: 33,820; TT: 66-30263) 173 J663Th
Farm management.
Translation from Hoc Tap 12:15-22. Dec. 1965.
Issued by CFSTI.
- 72610 HOGLUND, C. R. Profitable dairy farming to-morrow. Mich. State Univ. [Ext.] Agr. Econ. Rep. 30,17 p. Oct.1965. 281.9 M5842
- 72611 HOLDAR, A. Demonstration farms in the ad-visory service. (Sw) Hushallningssallsk. Tidskr. 32(6):139. 1965. 11 H9522
- 72612 HSIAO, C. J. Development of virgin lands and state owned farms in mainland China. (Ch) Is-sues Stud. 5(1):36-46. Oct.1965. 280.8 W48
- 72613 HUHEEY, T. EDP is the computer-manage-ment team for you? III. Farm Quart. 21(3): 82-84,145-146,map. Summer 1966. 6 F22995
Data processing in farm management.
- 72614 IKONOMIKA organizatsiya i planirane na sel-skoto stopanstvo [Economics, organization and planning of agricultural enterprises]. Varna, Durzh. Izdatel'stvo, 1965. 280 p. S562.B813
- 72615 JANNERMANN, G., and GUSSEK, K. D. Grund-riss der Ökonomik sozialistischer Landwirt-schaftsbetriebe [Outline of the economics of socialist farms]. Berlin, Deutscher Land-wirtschaftsverlag, 1966. 679 p.,map. Ref. HD1491.G3J3
Includes state and collective farms.
- 72616 JONG, S. DE. Some Hungarian cattle raising farms. (Du) CMC (Coop. Melkcent.) 10:175. Aug.14,1965. 44.8 C11
- 72617 KENYA. LANDS DEPT. Annual report, 1963. Nairobi, 1965. 14 p. 282.9 K42
- 72618 KLOSS, R. Problems in the introduction of in-dustrial production methods in seed and planting stock production. (Ge) Deut. Landwirt. 17(3): 123-126. Mar.1966. 18 D4822
Includes management and statistics.
- 72619 KLYUYKOV, V., and LAZARENKO, G. The strengthening of the economy of specialized farms. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:6-13. Jan.21,1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Kho-zyaystva 9:58-62. Sept.1964.
Issued by CFSTI.
- 72620 KOHARI, I. The business administrator in production cooperatives. (Hu) Magyar Mezo-gazdasag 21(16):11. Apr.20,1966. 19 M27
- 72621 KOZMA, D. Hospodarskopravne vzťahy a roz-hodovanie hospodarských sporov JRD; prakticka príručka [Economic relations and adjudica-tion of economic disputes among collective farms]. Bratislava, Slovenske Vydavateľ'stvo Podohospodarskej Literatúry, 1965. 396 p. Ref. HD639.C95K6
- 72622 LAND- UND FORSTWIRTSCHAFTLICHE LANDES-BUCHFUHRUNGS-GESELLSCHAFT. BETRIEBSSTATISTISCHE ABTEILUNG. Be-triebswirtschaftliche Ergebnisse von 425 land-wirtschaftlichen Betrieben in Niederösterreich 1964 [Economic results of 425 agricultural holdings in Lower Austria 1964]. Wien, 1965. 117 p.,map. 281.9 L22
Includes statistics of acreage, livestock, and costs and returns.
- 72623 LOKOS, I. The place and sphere of activity of the business administrator in the production cooperatives. (Hu) Magyar Mezogazdasag 21 (14):7. Apr.6,1966. 19 M27
- 72624 LONGEST, J. W., and GENGENBACH, W. H. Otsego County experimental program for testing methods of forming farm management study groups. Cornell Univ. Ext. Ext. Stud. 8,78 p. Feb.1965. 275.29 N48Ex
- 72625 LOOMIS, R. A. A profile of part-time farming in the United States. Mich. State Univ. [Ext.] Agr. Econ. Rep. 15,19 p.,map. Ref. Aug.1965. 281.9 M5842
- 72626 LUBSDORF, S. The future plans of agricul-tural artels. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:4-7. May 2,1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Translation from Unen, Feb.20,1966:3.
Issued by CFSTI.
- 72627 MADDOX, C. L., DOUGHTY, S. R., and SMITH, D. B. Farm management. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966: 27-29. 275.29 AL1Su
Extension programs.
- 72628 MAKHMUDOV, A. A. Nekotorye ekonomiche-skie voprosy intensifikatsii zemledeliya v kol-khozakh Azerbaidzhanskoi SSR [Some economic problems of intensified agronomy on collective farms in Azerbaijan SSR]. Baku, Izdatel'stvo Akademii Nauk Azerbaidzhanskoi SSR, 1965. 94 p. HD1995.A9M3
- 72629 MANN, C. V. How shall we preserve the Fed-eral Public Land Survey within Missouri? Surv. Mapping 26(1):85-94. Mar.1966. 325.8 Am3
- 72630 MARAIS, C. L. Poultry farming—its snags and difficulties. Farming S. Afr. 42(1):33-34,37. Apr.1966. 24 So842
Management.
- 72631 MAZZANTINI, L. Restructuration. (It) Agr. Spezia 13(7):129-130. July 1965. 16 Ag8229
Improvement of management in agriculture.
- 72632 MISHEV, V. The new system of planning and management and the procurement of agricul-tural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:23-35. May 5,1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Policies for collective farming in Bulgaria.
Translation from Planovo Stopanstvo i Statis-tika 3:42-52. Mar.1966.
Issued by CFSTI.
- 72633 MOLDIVAN, G., and MICLESCU, I. New per-spectives in the development of cooperative ag-riculture in Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:23-33. Mar.28,1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Collective farming.
Translation from Lupta de Clasa 2:28-36. Feb.1966.
Issued by CFSTI.
- 72634 MOTES, E. Industrialization of agriculture. 3 p. (JPRS 29,371; TT 65-30625)
Transl. 14953
Translation from Nauka i Zhizn' 12:56-57. 1964.
CFSTI: \$1.00.

- 72635 NECULA, G. Economic efficiency of industrial methods in stock breeding. (Rum) Probl. Econ. [Bucharest] 19(3):47-65. Mar.1966. 280.8 P947
English summary, p.169.
- 72636 NIKANDROV, V. Expansion of the poultry-farm network. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:60-62. Mar.9,1965. (JPRS 29,041) 173 J663Tso
Translation from Stroitel'naya Gazeta, Oct.21,1964:3.
Issued by CFSTI.
- 72637 OANH, V. Unite party building with the campaign to improve agricultural cooperative management. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:58-67. Apr.21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:51-58. Feb. 1966.
Issued by CFSTI.
- 72638 OSINGA, A. The practice school for livestock raising and grassland farming in the North of the country. (Du) CMC (Coop. Melkcent.) 21 (9):154. July 31,1965. 44.8 C11
- 72639 PORTH, H. True farm cooperatives—even with us? (Ge) Mitt. Deut. Landwirt.-Ges. 81(15): 642,644-646. Apr.14,1966. 18 N39
Includes discussion of the East German collective.
- 72640 POTKE, E. Industrialized organization of potato production. (Ge) Feldwirtschaft 7(3):122-125. Mar.1966. 18 W763
- 72641 RANDALL, C. E. The North Cascades study report. J. Forest. 64(5):307-310. May 1966. 99.8 F768
To determine how Federal lands in the North Cascade Mountains (Washington State) should be managed and administered.
- 72642 RASTATTER, E. H. The economic impact of the speculator on the distribution of the public lands of the United States: Ohio, 1820 to 1840. Diss. Abs. 26(10):5778. Apr.1966. 241.8 M58
- 72643 REITSMA, A. Cattle density and returns on dairy farms. (Du) Stikstof 5(49):28-35. Jan. 1966. 57.9 St52
- 72644 SHERIF, M. M. Programmed supply functions for pork and beef in Iowa. Diss. Abs. 26(10): 5761. Apr.1966. 241.8 M58
Linear programming.
- 72645 SHIRSHOV, I. V. Puti povysheniya rentabel'nosti kolkhozov Moldavii [Methods for increasing profit on collective farms in Moldavia]. Kishinev, Kartya Moldovenyaske, 1966. 51 p. HD1492.M6S5
- 72646 SKOLD, M. D., and HEADY, E. O. Regional location of production of major field crops at alternative demand and price levels, 1975; a linear programming analysis. U. S. D. A. Tech. Bull. 1354,62 p.,map. Ref. Apr.1966. 1 Ag84Te
Iowa State University of Science and Technology, Agriculture and Home Economics Experiment Station, and the Center for Agricultural and Economic Development, cooperating.
Wheat, feed grain and oilmeal.
- 72647 SMITH, R. S. Thinking of leasing cows? Hoard's Dairyman 111(10):670. May 25,1966. 44.8 H65
- 72648 SOMMER, J. The importance of management planning for improving managerial activity in the LPG. (Ge) Tierzucht 20(4):194-198. Apr. 1966. 49 T443
- 72649 STEFANI, A. DE'. Rural people in the social hierarchy. (It) G. Agr. 76(12):127-128. Mar.20,1966. 16 It1G
Values and attitudes toward farming as an occupation.
- 72650 SZULLO, B. Formation of large-scale cattle farms. (Hu) Magyar Mezogazdasag 21(20):18-19. May 18,1966. 19 M27
- 72651 TELEMANOV, A. Experiment with leaderless team operation of sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:20-22. June 7,1965. (JPRS 30,451) 173 J663Tso
Translation from Komsomol'skaya Pravda, Apr.29,1965:2.
Issued by CFSTI.
- 72652 TEOSI, J. Business management and manager in the production cooperatives. (Hu) Magyar Mezogazdasag 21(15):10. Apr.13,1966. 19 M27
- 72653 TEWARI, A. K. Farming in Jaunsar Bawar. Indian Farming 15(8):20-23. Nov.1965. 22 In283
Farm management in mountain areas.
- 72654 THIESENHUSEN, W. C. A cooperative farming project in Chile: a case study. J. Farm Econ. 48(2):295-308. Ref. May 1966. 280.8 J822
Under the agrarian reform.
- 72655 TREMBLAY, R. H. Large dairy farms in Vermont. Vt. Agr. Exp. Sta. Bull. 643,32 p.,map. Mar.1966. 100 V59
- 72656 TRUONG QUANG. Concentrate on organizing and managing "increase" task. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 169:1-3. May 13,1965. (JPRS 30,062) 173 J663Trn
Part-time farming.
Translation from Lao Dong, Dec.10,1964:3.
Issued by CFSTI.
- 72657 VENZHER, V. G. Kolkhozhnyi stroi na sovremennom etape [Collective farm system at the present time]. Moskva, Ekonomika, 1966. 302 p. HD1492.U4V4
- 72658 WERSCHNITZKY, U., FUSS, F. W., and HOFMANN, L. Nebenberufliche Landbewirtschaftung in sechs Gebieten der Bundesrepublik. I. Untersuchungsabschnitt [Part-time farming in six districts of the Federal Republic. I. Research part]. Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. Sonderheft (n.s.)180(spec. No.),97 p.,map. Ref. 1965. 18 G31A
English summary.
- 72659 WIDELL, G. Some views on the production volume and organization of market gardening. (Sw) Uppsala, Lantbrukshogsk. Aktuellt Landbrukshogsk. 76:7-9. 1965. 11 Up62A
- 72660 WILSON, H. K. Chart your break-even point. Milk Dealer 55(8):M-8,M-10-M-11. May 1966. 44.8 M595
Estimate costs and returns.
- 72661 YESAULOV, P., and KONDRATYUK, N. The economic effectiveness of farm production on an industrial basis. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 66:9-21. May 4, 1965. (JPRS 20,891) 173 J663Tso
Poultry farms.
Translation from Voprosy Ekonomiki 2:62-70. Feb.1965.
Issued by CFSTI.

Bookkeeping and Records

- 72662 GRINEV, L. G. Accounting and control as means of improving profit and loss calculation. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:26-27. May 1966. 30.69 Uc4
- 72663 HEPP, R., and KELSEY, M. Farm financial management analysis and planning work sheets. Mich. State Univ. [Ext.] Agr. Econ. Rep. 29, 6 p.-folder. 1965? 281.9 M5842
- 72664 IVANOV, A. A. Simplifying introduction of recording on collective farms. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:28-29. May 1966. 30.69 Uc4
- 72665 KELSEY, M., and HEPP, R. Financial statement exercise. Mich. State Univ. [Ext.] Agr. Econ. Rep. 28,3 p. 1965. 281.9 M5842
Farm records.
- 72666 MCMILLAN, A., WERTH, H., and DONETH, J. What do farmers think of Telfarm [Today's Electronic Farm Records for Management Education]? Mich. State Univ. [Ext.] Agr. Econ. Rep. 38,26 p. Feb.1966. 281.9 M5842
- 72667 MIKAILIN, P. A. Current-balancing method in accounting of products and materials. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:14-18. May 1966. 30.69 Uc4

- 72668 NORTH CAROLINA UNIVERSITY. EXTENSION SERV. For higher profits go electronic. N. C. Univ. Ext. Folder 243,6 p. Nov.1965. 275.29 N811Ex
Farm business record.
- 72669 ORAEVSKAYA, G. A. Practical works of students. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:45-46. May 1966. 30.69 Uc4
In accounting on farms.
- 72670 PIZENGOL'TS, M. Z., and VARAVA, A. P. Improving teaching of economics. (Rus) Uchet Finansy Kolkhoz. Sovkhoz. 5:44-45. May 1966. 30.69 Uc4
Chiefly bookkeeping.
- 72671 TYABUT, D. Intrafarm accounting in Minskaya oblast. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57:1-4. Jan.6,1965. (JPRS 28,145) 173 J663Tso
For state and collective farms.
Translation from Ekonomicheskaya Gazeta 40:30. Oct.1964.
Issued by CFSTI.
- 72672 VINCENT, W. H. Coding farm accounting data; a manual on coding principles and a proposed coding system. Mich. State Univ. [Ext.] Agr. Econ. Rep. 7,74 p. May 1965. 281.9 M5842
- Costs and Returns
- 72673 ALMEIDA, A. A. F. DE. The Cavaco Valley as banana producer. I. (Por) Gaz. Agr. Angola 11(2):824-827,845. Feb.1966. 24 G252
Chiefly costs.
- 72674 BOHMKER, F. A., and others. Swine farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 24,22 p. 1965. 281.9 M5842
E. C. Miller, C. K. Spillman, and W. A. Tinsley, joint authors.
- 72675 BRITTON, D. K. Aspects of the economics of milk production. Roy. Ass. Brit. Dairy Farmers. J. 70:16-21. Ref. 1966. 44.9 B77
Costs and prices.
- 72676 BROWN, L. H. Dairy-general farming today in southern Michigan, 1964. Mich. State Univ. [Ext.] Agr. Econ. Rep. 26,21 p.,map. 1965. 281.9 M5842
Costs and returns.
- 72677 BROWN, L. H., ELWOOD, E. M., and SPEICHER, J. A. Dairy farming today, northern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 27,17 p.,map. 1965. 281.9 M5842
Costs and returns.
- 72678 BROWN, L. H., and SPEICHER, J. Dairy farming today, southern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 25,21 p.,map. 1965. 281.9 M5842
Costs and returns.
- 72679 BULLER, O. F., and KELSEY, M. P. Labor inputs, crop costs and returns for Michigan tree fruits. Mich. State Univ. [Ext.] Agr. Econ. Rep. 34,18 p. Dec.1965. 281.9 M5842
- 72680 BYKOV, V. Profit and profitability indices in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:68-72. Apr.5,1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 1:31. Jan.1965.
Issued by CFSTI.
- 72681 DALBERG, P. M. Differential for 1965. (No) Norsk Landbruk 14(1):4-5,28-29. Jan.1966. 11 N8122
Agricultural costs and returns.
- 72682 EMSLIE, G. B. Increased production costs hold down grower profits. Tobacco [New York] 162 (21):56-57. May 27,1966. 286.89 T552
Zambia.
- 72683 GAZDAG, G. Economic relations of our rice production. (Hu) Magyar Mezogazdasag 21 (14):15. Apr.6,1966. 19 M27
Costs and returns.
- 72684 GOEDEGEBURE, J. Kostenbegrotingen van pruimen, kersen en morellen [Cost estimates for plums, cherries, and morellos]. Landbouw-Econ. Inst. Verslagen 152,44 p. 1966. 281.9 L23V
- 72685 GOODSELL, W. D., and JENKINS, I. Costs and returns on commercial farms, long-term study, 1954-63. U. S. D. A. Statist. Bull. 368, 109 p.,map. Mar.1966. 1 Ag84St
- 72686 HAUGE, I. J. New thoughts on crop rotation and forage culture. (No) Norsk Landbruk 14 (1):16,21. Jan.1966. 11 N8122
Chiefly on returns from grain culture and dairying.
- 72687 KELSEY, M. P. Fruit farming today; what it costs; how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 20,25 p.,map. 1965. 281.9 M5842
Includes vegetables.
- 72688 KELSEY, M. P., and SHEPPARD, C. C. Poultry farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 21, 21 p.,map. 1965. 281.9 M5842
- 72689 KYLE, L. R. Cash crop farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 22,21 p.,map. 1965. 281.9 M5842
- 72690 LEITAO E SILVA, J. Production costs in agriculture. (Por) Rev. Ceres 12(70):229-244. July/Aug.1965. 9.2 C332
English summary.
- 72691 LINDSTROM, T. Cost of ensiling. (Sw) Norrbottens Lantmannabl. 7:127-130. Oct./Nov. 1965. 11 N792
- 72692 LUNT, R. E., and HAGAN, A. R. Beef cow feed consumption and cost. Mo. Agr. Exp. Sta. Res. Bull. 825,34 p.,map. Mar.1966. 100 M693
- 72693 MELJAARD, D., and VEEN, J. VAN. Reduction in cost of seed onion culture. (Du) Groenten Fruit 21(39):1773,1775. Apr.13,1966. 80 G89
- 72694 MODORAN, I. Returns of the culture of black currants. (Rum) Gradina, Via Livada 14(3):4-6. Mar.1965. 80 G75
- 72695 NIKL, J. Profitability in agriculture and the new system. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 439:23-33. May 13,1966. (JPRS 35,487; TT 66-31923) 173 J663St
Czechoslovakia.
Translation from Zivot Strany 7:35-39. Apr. 1966.
Issued by CFSTI.
- 72696 NOORT, L. VAN. Rentabiliteit van de tuinbouw in het Zuidhollands glasdistrict [Profitability of horticulture in the South Holland greenhouse district]. Landbouw-Econ. Inst. Verslagen 155, 39 p. 1965. 281.9 L23V
Costs and returns.
- 72697 OHRI, S. P. Economics of keeping a cow. Gosamvardhana 13(9):19-22. Dec.1965. 43.8 G69
In India.
- 72698 REIMERS, H. Amount of coverage and gross income. 3. (Ge) Betriebswirtsch. Mitt. Wirtschaftsberater 138:11-15. Mar.15,1966. 281.8 B462
- 72699 REPSTAD, K. Gronnsakdyrking i veksthus; en analyse av inntekter, kostnader og arbeid basert pa regnskaper fra 41 gartnerier pa oyene Rennesoy, Mosteroy og Finnøy i 1962 og 1963 [Vegetable culture in greenhouse; an analysis of income, cost and labor based on accounts from 41 market gardens on Rennesoy, Mosteroy, and Finnøy Islands in 1962 and 1963]. Norges Landbruksokon. Inst. Saermeld. 36,60 p. 1965. 281.9 N76
English summary.
- 72700 ROBSON, S. Profitability of farming in the North of England, 1964-65; results for selected groups of farms. Newcastle-upon-Tyne. Univ. Dep. Agr. Econ. Rep. 165FM,45 p. Mar.1966. 281.9 K61R

- 72701 SLUIMAN, W. J. A comparison of the financial results of one and two man grassland farms in North-Holland. (Du) Stikstof 5(49):43-47. Jan. 1966. 57.9 St52
- 72702 SOLVERUD, S. Value of grazing land for goats. (No) Sau Geit 19(2):57. Apr. 1966. 45.8 Sa8
Chiefly on the returns from goat husbandry.
- 72703 STILLE, E. Agricultural economy. (Sw) Uppsala. Lans Hushallningssallsk. Handl. 147:50-54. 1965. 11 Up6
Costs and returns.
- 72704 VEGH, E. Blood tests affect the costs of eggs for hatching. (Hu) Baromfitenyesztes 10(4):10-11. Apr. 1966. 47.8 B262
Chiefly on the additional cost aspects.
- 72705 WILSON, G. What is it worth? Queensland. Bur. Sugar Exp. Sta. Cane Growers' Quart. Bull. 29(4):124. Apr. 1, 1966. 65.9 Q3C
Cost and returns of the sugarcane crops.
- 72706 YOSHIMURA, Y., and SUNAGAWA, Y. Relation between the rate of egg production and supplementary hens in connection with profit in poultry management. (Ja) J. Agr. Sci. [Setagaya] 10(4):122-126. Mar. 1965. 22.5 J824
English summary.
- Land Settlement and Colonization
- 72707 ALBAUM, M. Cooperative agricultural settlement in Egypt and Israel. Land Econ. 42(2):221-225. Ref. May 1966. 282.8 J82
Tenure discussed.
- 72708 OWUSU, P. M. From subsistence farming to a market economy—the Nkwakubew Resettlement project. Ghana Farmer 9(2):71-73. May 1965. 24 G564
- 72709 SCHWEIZERISCHE VEREINIGUNG FÜR INNENKOLONISATION UND INDUSTRIELLE LANDWIRTSCHAFT. Geschäftsbericht [Report of activities for 1964 of the Swiss Union for Inside Colonization and Industrial Agriculture]. 98,31 p. July 1965. 282.9 Sch9
- 72710 WELLS, J. C. The Israeli moshav in Nigeria: an estimate of returns. J. Farm Econ. 48(2):279-294. Ref. May 1966. 280.8 J822
Social returns of settlement type.
- Land Tenure
- 72711 ANDAL, M. E. Farm enlargement and consolidation. Can. Dep. Agr. Agr. Abroad 21(2):1-7. Apr. 1966. 281.9 C1642A
In Europe.
- 72712 BAKER, A. R. H. Field systems in the vale of Holmesdale. Agr. Hist. Rev. 14(1):1-24, map. 1966. 30.98 Ag82
Land tenure in 17th century England.
- 72713 BHATTACHARYYA, K. C. Some observations on the ceiling of existing holdings for agricultural land in India. Planters' Chron. 61(9):168-170. May 1, 1966. 22 P693
- 72714 BLJKERK, C. Enkele actuele ruilverkavelingsproblemen [Some current problems of land consolidation projects]. Wageningen. Inst. Cultuurtech. Waterhuishouding. Mededel. 76:188-206, map. Ref. 1964. 282.9 W12
English summary.
- 72715 CEPEDA GUERRA, E. Rural development of Boyaca. (Sp) Rev. Nac. Agr. 57(723):58-61. (Cont.) July 1965. 9.4 R32
Installment deals with land tenure.
- 72716 FARKOWSKI, C. The situation in agricultural land turnover in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 434:1-6. Apr. 26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
Reform and policies.
Translation from Nowe Rolnictwo 5:13-16. Mar. 1966.
Issued by CFSTI.
- 72717 EL-FOULY, M. M. The land reform in Egypt. (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):551-553. Mar. 31, 1966. 18 N39
- 72718 GELSI BIDART, A. Rural leases and eviction. (Sp) Asoc. Rural Urug. [Rev.] 93(5):659,661. 1965. 9.9 As5
Legal aspects.
- 72719 HSU, C. Rural reforms at Tashiht'a. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 12:77-81. Sept. 22, 1965. (JPRS 32,097; TT 65-32590) 173 J663Trh
Translation from Hung Ch'i 9:55-57. Aug. 21, 1965.
Issued by CFSTI.
- 72720 JACOBY, E. H. Evaluation of agrarian structures and agrarian reform programs, a methodological study. Food Agr. Organ. UN. FAO Agr. Stud. 69,52 p. 1966. 28 F73
- 72721 KLEMPERT, B. Advances in consolidation of holdings in North Rhine-Westphalia through automation. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.) 43(3):487-502. 1965. 18 G31
- 72722 MALIK, I. H. A survey of socio-economic changes in rural areas of the Punjab region. I. Punjab (Pakistan). Board Econ. Inq. Publ. 136. 72 p. 1966. 281.9 In2
Land reforms by legislation; consolidation of holdings.
- 72723 MCGRATH, J. P. Land development values (Compensation) Act (Northern Ireland) 1965; a comment on the main provisions of the Act. Chartered Surv. 98(11):610-617. May 1966. 325.8 C38
- 72724 MPOLAS, K., and MOURELLOS, A. Consolidation of olive groves on the island of Thasos. (Gre) Greece. Hypourgeion Georgias. Deltion Georgikon Epharmogon Ekpaideuseos 6:163-169. Nov./Dec. 1965. 275.249 G81
- 72725 O'BYRNE, J. C., TIMMONS, J. F., and HINES, N. W. Planning farm property transfers within families in Iowa. Iowa. State Univ. Ext. Res. Bull. 125,47 p. Ref. Feb. 1966. 100 Io9
Agricultural Law Center, College of Law, University of Iowa, and Agricultural and Home Economics Experiment Station, cooperating.
- 72726 PAN, L. F. The future implementation of reform in Taiwan. (Ch) Issues Stud. 5(2):8-13. Nov. 1965. 280.8 W48
- 72727 SORBI, U. Pulverization and fragmentation. (It) Prog. Agr. [Bologna] 11(8):789-793. Aug. 1965. 58.8 P94
- 72728 SZEMBERG, A. Some forms of land turnover in peasant farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 434:7-13, map. Apr. 26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
In Poland; policies and reform.
Translation from Nowe Rolnictwo 5:16-18. Mar. 1966.
Issued by CFSTI.
- 72729 WHEELER, P. T. Landownership and thecrofting system in Sutherland since 1800. Agr. Hist. Rev. 14(1):45-56, map. Ref. 1966. 30.98 Ag82
Scotland.
- Land Utilization
- 72730 AGUIRRE P., N. Available land in Mexico. (Sp) Panagra 5(61):22-25. Nov. 1965. 8 P196
- 72731 BARWICK, J. The relationship between metropolitan and town planning. N. Y. State Planning News 29(3):5,15. May/June 1965. 280.7 N481
- 72732 BLJKERK, C. Physical planning of agricultural areas with an out-of-date structure. (Du) Landbouwkundig Tijdschr. 78(4):150-161, map. Ref. Apr. 1966. 105.2 Or3
English summary.
Town and country planning.
- 72733 BLOCH, A. The practice of village renewal from the viewpoint of the land planner. (Ge) Agrarsoz. Ges. Materialsamml. 40:17-21. Feb. 1965. 281.9 Ag826M

- 72734 BROOKS, F. L. Land use survey precedes Panamanian highway construction. *J. Soil Water Conserv.* 21(3):106-107. May/June 1966. 56.8 J822
- 72735 CHU, N. S. Dry land geography symposium at Lanchow. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:158-161. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
Utilization of dry regions for farming. Translation from K'o Huseh T'ung Pao 12: 1128-1129. Dec. 1964.
Issued by CFSTI.
- 72736 CLARK, F. P. The cost of not planning. *N. Y. State Planning News* 29(3):7,16. May/June 1965. 280.7 N481
Town planning.
- 72737 CLAWSON, M., and STEWART, C. L. Land use information; a critical survey of U.S. statistics including possibilities for greater uniformity. *Baltimore, Resources Future*, 1965. 402 p. HD205.C55
Bibliography, p.384-396.
- 72738 CRAMPTON, C. B. Hill soils and grasslands in Brecknockshire: a study of potential land use. *Brit. Grassland Soc. J.* 21(1):70-79, map. Ref. Mar. 1966. 60.19 B773
- 72739 EMANUEL, M. S. The suburban dragon—can it be saddled? Suburbia and town planning. *N. Y. State Planning News* 29(3):1,9,14. May/June 1965. 280.7 N481
- 72740 FRANKEN, J. P. Village renewal as a land planning problem. (Ge) *Agrarsoz. Ges. Materialsamml.* 40:5-6. Feb. 1965. 281.9 Ag826M
- 72741 HAANTJENS, H. A. Practical aspects of land system surveys in New Guinea. *J. Trop. Geogr.* 21:12-20, map. Ref. Dec. 1965. 331.8 M29
Chiefly aerial photography and maps showing land forms, soils, vegetation, and land capability classification.
- 72742 HERZNER, E. Urban arrangement as basis for village renewal. (Ge) *Agrarsoz. Ges. Materialsamml.* 40:11-16. Feb. 1965. 281.9 Ag826M
Town and country planning.
- 72743 KANKAM, R. Soil resources and land utilization in Ghana. *J. Soil Water Conserv.* 21(3): 102-103. May/June 1966. 56.8 J822
- 72744 LADD, J. M. Planning—town and metropolitan. *N. Y. State Planning News* 29(3):4,12. May/June 1965. 280.7 N481
- 72745 MALONE, M. J. P. Use and tenure of land in Latin America. (Sp) *Rev. Nac. Agr.* 57(725): 48-50. Sept. 1965. 9.4 R32
- 72746 MEYER, F. F. The suburban dragon—a town in the New York metro area. *N. Y. State Planning News* 29(3):2,10-11. May/June 1965. 280.7 N481
- 72747 PIHKALA, K. U. Possibilities of comparing land use for farming and forestry. *Acta Agr. Scand. Suppl.* 14, 56 p. Ref. 1965. 11 Ac82
For Finland.
- 72748 PILLIS, P. A special task in connection with the optimal utilization of agricultural land. (Hu) *Budapest. Kerteszeti Szolesz. Foiskola. Kozlemenyei* 29(1):273-281. 1965. 80 B85
English summary.
- 72749 SANIN VILLA, G. Plan for the intensive utilization of vast regions of Colombia, now badly used. (Sp) *Rev. Nac. Agr.* 57(724):39-41, map. Aug. 1965. 9.4 R32
- 72750 SIVASUBRAMANIAM, T. Land use pattern in Madras State. *Madras Agr. J.* 52(7):314-321. July 1965. 22 M262
- 72751 STEINER, H. E. The suburban dragon—can it be saddled? A fast growing town. *N. Y. State Planning News* 29(3):1,8. May/June 1965. 280.7 N481
New York.
- 72752 VAN DE VATE, D. Zoning—a community's decision. *N. Y. State Planning News* 29(3):3,11. May/June 1965. 280.7 N481
- 72753 WENDLING, W. On the concept "social fallow" and "wasteland" in etymology and literature. (Ge) *Ber. Deut. Landeskunde* 35(2):264-310. Dec. 1965. 18 B454
Bibliography, p.305-310.
- 72754 YEN, C. M., and others. The growth of cities and towns as related to agricultural development in Soochow—Wuhsi District. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 260:38-67, map. Dec. 14, 1965. (JPRS 33,311; TT 65-33886) 173 J663Tcco
C. T. Liu, T. W. Sun, and C. T. Lu, joint authors.
Translation from *Ti Li Hsueh Pao* 30(3):234-246. 1964.
Issued by CFSTI.

Land Values and Valuation

- 72755 ARIE, L. R. Transition; rural land to urban development. *Rural Realtor* 18(5):5. May 1966. 282.8 R88
Values and appraisal.
- 72756 GARTH-GRUNER, G. Farm purchase by non-farmers. (Da) *Tolvmandsbladet* 37(7):327-329. July 1965. 11 T58
With reference to farm prices and taxation.
- 72757 GROFF, J. V. Service the common denominator. *Rural Realtor* 18(5):4. May 1966. 282.8 R88
Farm purchase.
- 72758 HERDT, R. W., and COCHRANE, W. W. Farm land prices and farm technological advance. *J. Farm Econ.* 48(2):243-263. Ref. May 1966. 280.8 J822
- 72759 MARTIN, W. E., and JEFFERIES, G. L. Relating ranch prices and grazing permit values to ranch productivity. *J. Farm Econ.* 48(2): 233-242. Ref. May 1966. 280.8 J822
- 72760 NATIONAL INSTITUTE OF FARM AND LAND BROKERS. Roster and by laws. n.p., 1966. 112 p. 225 In73
- 72761 QUENEMOEN, M. E., and THOMPSON, L. S. How to estimate land value. *Mont. State Coll. Ext. Bull.* 327, 27 p. Dec. 1965. 275.29 M76C
- 72762 ROSSMILLER, G. E. Farm real estate value patterns in the United States, 1930-1962. *Mich. State Univ. [Ext.] Agr. Econ. Rep.* 31, 173 p., map. Ref. Nov. 1965. 281.9 M5842
Resources for the Future, Inc., Washington, D. C., cooperating.
- 72763 TWEETEN, L. G., and NELSON, T. R. Sources and repercussions of changing U. S. farm real estate values. *Okl. Agr. Exp. Sta. Tech. Bull.* T-120, 51 p. Ref. Apr. 1966. 100 Ok4
Includes an economic model of the land market.
- 72764 TYSEN, J. C. Agricultural and timber lands; more precious to Europeans than gold. *Rural Realtor* 17(12):8-9. Dec. 1965. 282.8 R88

POPULATION

- 72765 GREEN, L. W., and KROTKI, K. J. Proximity and other geographical factors in family planning clinic utilization in Pakistan. *Pakistan Develop. Rev.* 6(1):80-104. Ref. Spring 1966. 280.8 P17
Includes rural areas.
- 72766 SCHIFANI, C. Agricultural population and rural development. (It) *Riv. Econ. Agr.* 20 (4):69-86. 1965. 281.8 R52
English summary.
- 72767 VENEZUELA. OFICINA CENTRAL DEL CENSO. Noveno censo general de poblacion (26 de febrero de 1961). I. Estado Anzoategui [Ninth general population census (February 26, 1961). I. State of Anzoategui]. Caracas, 1966. 776 p. 255.9 Es8CP
Data on rural areas included.

RURAL SOCIAL ORGANIZATION

- 72768 BERTRAND, A. L., and BEALE, C. L. The French and non-French in rural Louisiana; a study of the relevance of ethnic factors to rural development. *La. Agr. Exp. Sta. Bull.* 606,43 p., map. Dec.1965. 100 L93
U. S. Department of Agriculture, cooperating. Contains a chapter on attitudes.
- 72769 ERNST, W. Village renewal as problem of social policy. (Ge) *Agrarsoz. Ges. Materialsamml.* 40:7-8. Feb.1965. 281.9 Ag862M
- 72770 FLIEGEL, F. C. The low-income farmer in a changing society. *Penn. Agr. Exp. Sta. Bull.* 731,39 p. Ref. Mar.1966. 100 P381
Includes goals and attitudes in relation to social organization.
- 72771 HERNANDEZ, P. F. An analysis of social power in five Mexican ejidos. *Diss. Abs.* 26 (10):6219-6220. Apr.1966. 241.8 M58
- 72772 KALYDOPOULOS, G. D. Development of Greek rural communities. (Gre) *Delt. Agrotikes Trapezes* 143:28-31. (Cont.) Mar./Apr.1965. 21.7 D38
- 72773 KALYDOPOULOS, G. L. Civilization of the Greek village. (Gre) *Delt. Agrotikes Trapezes* 146:35-36. (Concl.) Sept./Oct.1965. 21.7 D38
- 72774 LLANOS, J. M. DE. On the agony of rural life. (Sp) *Cult. Mod.* 49(1):6. Jan.1966. 15 C89
- 72775 LOVRICH, F. M. The social system of a rural Yugoslav-American community: Oysterville. *Diss. Abs.* 26(10):6222. Apr.1966. 241.8 M58
In Louisiana.
- 72776 WILLIAMS, N. V. Factory employment and family relationships in an Egyptian village. *Diss. Abs.* 26(10):5649-5650. Apr.1966. 241.8 M58
- 72787 KUZNETSOV, G. The orderly production of work on regional planning. *U. S. Joint Publ. Res. Serv. Transl. Soviet Agr.* 62:20-32. Jan.21,1965. (JPRS 28,398) 173 J663Tso
Policies for use of all resources.
Translation from *Ekonomika Sel'skogo Khozyaystva* 9:76-84. Sept.1964.
Issued by CFSTI.
- 72788 MITTRA, S. Community development planning; the Venezuelan experiment. *Kurukshetra* 13 (5):26-28. Feb.1965. 281.28 K96
- 72789 OEST, K. The importance of agricultural pre-planning to construction planning. (Ge) *Raumforsch. Raumordnung* 23(2):96-98. Sept.1965. 282.9 R19
Regional planning and consolidation of holdings.
- 72790 PERPILLOU, A. V. Human geography. New York, Wiley, 1966. 522 p.,map. (Geographies for Advanced Study) HF1025.P4
Bibliography, p.505-513.
- 72791 PETERS, J. Large area preplanning of the agricultural structure in the Duchy of Lauenburg. (Ge) *Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt.* (n.s.)43(3):443-486, map. Ref. 1965. 18 G31
- 72792 SRIVASTAVA, R. N. Impact of C. D. [Community Development] Programme on tribal life. *Kurukshetra* 13(5):11-12. Feb.1965. 281.28 K96
- 72793 STACEY, R. D. Some observations on the economic implications of territorial segregation in South Africa. *S. Afr. J. Econ.* 34(1):50-67. Ref. Mar.1966. 280.8 So83
Regional development including agriculture.
- 72794 U. S. COMPTROLLER GENERAL. Report on audit of the financial statements of the Tennessee Valley Authority, fiscal year ended June 30, 1964. 89th Cong., 1st Sess. H. Doc. 82,32 p. 1965. 151.49 R292

Human Ecology

- 72777 AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. Plan your community's growth. Auburn Univ. Ext. Circ. M-16,8 p.-folder. Mar.1965. 275.29 AL14Cm
- 72778 BEY, P. Village renewal, yes—but how to begin? (Ge) *Agrarsoz. Ges. Materialsamml.* 40:29-32. Feb.1965. 281.9 Ag862
- 72779 BOYD, E. M. 1966 suggestions: child development, personal, family and community relations. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:72-73. 275.29 AL1Su
Extension programs.
- 72780 CRANGLE, C. L. Regional and county boards—partners in planning. *N. Y. State Planning News* 29(3):6,12-13. May/June 1965. 280.7 N481
- 72781 DESCLOITRES, R. Changing functions of rural community in Africa. (Fr) *Sociol. Ruralis* 5 (4):349-365. Ref. 1965. 281.29 So12
English summary.
- 72782 FOX, R. G. Badshahpur: community organization in a small town on northern India. *Diss. Abs.* 26(10):5647. Apr.1966. 241.8 M58
- 72783 HOUSTON, D. B., and TIEBOUT, C. M. Economic impacts of regional development policies and programs. *J. Farm Econ.* 48(2):440-451. May 1966. 280.8 J822
Includes discussion by E. J. R. Booth.
- 72784 JONES, K. The Peace Corps volunteer in the field: community development. *Amer. Acad. Polit. Soc. Sci. Ann.* 365:63-71. May 1966. 280.9 Am34
Includes rural communities.
- 72785 KAHANE, A. Regional planning in Turkey. (Ge) *Raumforsch. Raumordnung* 23(2):73-82, map. Sept.1965. 282.9 R19
- 72786 KUENEN, D. J. Man and environment. (Da) *Landbouwkundig Tijdschr.* 78(4):143-149. Apr.1966. 105.2 Or3

Institutions

- 72795 ALBRECHT, R. Farm families "gobble up" articles. *ACE (Amer. Ass. Agr. Coll. Editors)* 48(2):5-6. Sept./Oct.1965. 238 Am33A
Readership study.
- 72796 ALEXANDER, F. D. Input on low-income work of the New York State Extension Staff specialists and agents. *Cornell Univ. Ext. Ext. Stud.* 10,73 p. Jan.1966. 275.29 N48Ex
- 72797 ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. II. As seen by extension agents. *Cornell Univ. Ext. Ext. Stud.* 9,141 p. Sept.1965. 275.29 N48Ex
- 72798 ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. III. As seen by the college administrators. *Cornell Univ. Ext. Ext. Stud.* 9,34 p. Sept.1965. 275.29 N48Ex
- 72799 ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. IV. As seen by State Extension leaders. *Cornell Univ. Ext. Ext. Stud.* 9,42 p. Sept.1965. 275.29 N48Ex
- 72800 ALEXANDER, F. D., SPENCER, J. F., and LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. VII. Summary of findings and implications. *Cornell Univ. Ext. Ext. Stud.* 9,73 p. Sept. 1965. 275.29 N48Ex
- 72801 ANNIBALE, J. D'. The Agricultural Technical Institute "A. Cecchi" [Istituto Tecnico Agrario "A. Cecchi"] of Pesaro. (It) *Gaz. Com.* 19(3): 17-20. Mar.1966. 280.8 G253
- 72802 ARKANSAS. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Your county Extension Service; where it is, what it is, what it can do for you. *Ark. Univ. Ext. Leaf.* 373,6 p.-folder. May 1965. 275.29 Ar4Le
- 72803 AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1966 suggestions for annual County Extension program and plan of work. Auburn, Ala., 1966. 79 p. 275.29 AL1Su

- 72804 BACCHUS, M. K. Social factors in secondary school selection in British Guiana. Soc. Econ. Stud. 15(1):40-52. Mar.1966. 280.8 So125 Rural-urban differences included.
- 72805 BOTTINI, O. Antiquam exquirite matrem. Naples. Univ. Fac. Sci. Agr. Ann. (ser.3)30:IX-XI. 1964/65. 105.4 P83 Text in Italian. Homage to the Faculty of Agriculture of Naples University [Facolta di Agraria of the Università degli Studi].
- 72806 BUSCHER, K. Educational structure and educational planning of the country and of agriculture. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(3):503-539. Ref. 1965. 18 G31
- 72807 CALZECCHI-ONESTI, A. The agricultural press; panorama of the Italian and foreign press. (It) Ital. Agr. 103(4):315-342. Apr. 1966. 16 It1
- 72808 CHESNUTT, B., and others. Extension information. Auburn Univ. Ext. Suggestion Annu. County Ext. Program 1966:76-77. 275.29 AL1Su R. Ballew, C. Bice, C. Black, W. Cheney, K. Copeland, J. Parrott, J. Smith, and W. L. Strain, joint authors. Methods.
- 72809 CHOU, T. T. Kwangtung Provincial Academy of Agricultural Sciences. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 146:21-24. Feb.11,1965. (JPRS 28,719; TT 65-30311) 173 J663Tcco Translation from Chung-Kuo Hsin Wen, Dec.31,1964:21-22. Issued by CFSTI.
- 72810 CLARK, R. R. Recreation. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:40-41. 275.29 AL1Su
- 72811 COLES, R. Some children the schools have never served. Saturday Rev. 49(25):58-60. June 18,1966. 110 Sa82 Includes rural schools and the problems of the migratory worker's children.
- 72812 COMMISSION ON RURAL AFFAIRS. Education and rural development. U. S. Joint Publ. Res. Serv. Transl. S. East Asia 89:23-31. July 27, 1965. (JPRS 31,255; TT 65-31752) 173 J663Trso Education for farmers in developing areas. Translation from Lao Presse 4106-4109:C1-C4,C1-C3. June 26,1965. Issued by CFSTI.
- 72813 COUNTY agents directory, fifty-first edition. 1966. Flossmoor, Ill., 1965. 144 p. 225 Of232
- 72814 CUMMINGS, R. W. The concept of agricultural universities. Madras Agr. J. 52(5):193-203. May 1965. 22 M262
- 72815 DEULKAR, D. Welfare of rural women; role of education. Kurukshetra 13(5):23-25. Feb. 1965. 281.28 K96 In India.
- 72816 DUNBAR, J. O., and SPURLOCK, D. Facts and public issues; the core of extension programs and public affairs education. Ext. Serv. Rev. 37(4):8-9,15. Apr.1966. 1 Ex892Ex
- 72817 ENGELHARDT, H. Untersuchungen über Organisation und Arbeitsweise der landwirtschaftlichen Beratung in Frankreich und ihre kritische Auswertung für deutsche Verhältnisse [Research on organization and operation of agricultural extension in France and critical evaluation of it for German conditions]. Hohenheim. Landwirt. Hochsch. Diss. 2,166 p. 1965. 105.8 H686D Bibliography, p.150-159.
- 72818 FASCHING, J. L. Science attracts youth. Ext. Serv. Rev. 37(4):10-11. Apr.1966. 1 Ex892Ex Extension programs in West Virginia.
- 72819 FLORES, T. G., and WARD, W. B. New international frontiers. ACE (Amer. Ass. Agr. Coll. Editors) 48(3):1-2. Nov./Dec.1965. 238 Am33A Communications and publications for the Philippines.
- 72820 GERGELY, A., and VOROS, MRS. GY. Basic course of agricultural librarians. (Hu) Mezo-gazdasagi Konyvtarosok Tajekoztatoia 1:9-12. 1966. 243.8 M57
- 72821 GERMANY (FEDERAL REPUBLIC) LAND-UND HAUSWIRTSCHAFTLICHER AUSWERTUNGS-UND INFORMATIONSDIENST. Jahresbericht des AID [Annual report], 1963-1964. Germany. Land- Hauswirtsch. Auswertungs- Informationsdienst Schriftenreihe, AID 137, 76 p. Aug.1965. 18 G312S
- 72822 HART, G. T. County informational activities. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:55-56. A281.9 V59 Vermont.
- 72823 HART, J. Unflattering face of agriculture, visible public relations and the Metropolitan press. ACE (Amer. Ass. Agr. Coll. Editors) 48(2):1-2. Sept./Oct.1965. 238 Am33A Nebraska.
- 72824 HJELM, L. Development at the Agricultural College [Lantbrukshogskolan] during the last year. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 73:3-6. 1965. 11 Up62A
- 72825 HOCHERL, H. Agricultural education. (Ge) Obst Gemuse 30(5):38-39. May 1966. 286.83 Ob72
- 72826 HUIE, J. M., and KENNAMER, E. F. Alabama outdoor recreation directory. Auburn Univ. Ext. Circ. M-12,83 p.,map. Mar.1965. 275.29 AL14Cm
- 72827 HUMPHRIES, A. W. A simple step towards better agricultural education? S. Australian Dairymen's J. 5(4):30-32. Jan./Feb.1966. 44.8 So86
- 72828 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. Proposed program-budget 1966-1967. San Jose, 1965. 260 p. 284.9 In85
- 72829 IYER, H. R. S. Panchayati Raj and political parties. Kurukshetra 13(5):14-16. Feb.1965. 281.28 K96 Local government in India.
- 72830 KASPERBAUER, L. F. Sociological and social psychological factors related to farmers' use patterns of selected mass media. Diss. Abs. 26(10):6220. Apr.1966. 241.8 M58
- 72831 KHAN, A. R. New extension techniques help in popularising scientific agriculture. Indian Farming 15(1):30-32. Apr.1965. 22 In283
- 72832 KNIGHT, A. J. Radio for scientific farming in India. Madras Agr. J. 52(3):119-129. Ref. Mar.1965. 22 M262
- 72833 LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. V. As related to commercial TV stations. Cornell Univ. Ext. Ext. Stud. 9,55 p. Sept. 1965. 275.29 N48Ex
- 72834 LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. VI. As implemented by grouping counties for participation in educational television. Cornell Univ. Ext. Ext. Stud. 9,15 p. Sept.1965. 275.29 N48Ex
- 72835 LESTER, C. N. Trail riding, 4-H horse and pony project; guide for adult leaders. Va. Polytech. Inst. Ext. Circ. 1002,6 p. Mar.1966. 275.29 V81C Camping.
- 72836 LINDSAY, J. Extension recreation activities. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:26-27. A281.9 V59 Vermont.
- 72837 LINN, A. Thessaloniki Farm School. Farm Quart. 21(3):74-77,147-149. Summer 1966. 6 F22995 American Farm School at Thessaloniki.
- 72838 LUNDBAEK, NORDJYLLANDS LANDBRUGSSKOLE. Arsskrift [Yearbook of North Jutland Agricultural School at Lundbaek], 1965. Aalborg, 1965. 82 p. 275.9 L97
- 72839 MADRAS AGRICULTURAL COLLEGE. Proceedings of the inauguration of the Agricultural College, Madurai. Madras Agr. J. 52(10):421-443. Oct.1965. 22 M262 Including welcome speech by A. Mariakulan-dai.

- 72840 MARIKULANDAI, A. Agricultural education and research in Madras State. *Madras Agr. J.* 52(10):435-437. Oct.1965. 22 M262
- 72841 METCALFE, D. C. Agricultural education; its future points to new areas, wider scope and need for new research by trained people. *Progr. Agr. Ariz.* 18(1):24. Jan./Feb.1966. 6 P9452
- 72842 MOHAMED ABED RAB, E. N. Problems of the socialist union in the rural area. U. S. Joint Publ. Res. Serv. Transl. Middle East 149: 43-49. June 8,1965. (JPRS 30,465) 173 J663Trm
In Egypt.
Translation from Al-Tali'ah, May 1965:76-79.
- 72843 MONTANER ESTEVE, J. Human and technical education, basis of progress. (Sp) *Cult. Mod.* 49(1):19-20. Jan.1966. 15 C89
- 72844 MOSCOW. VYSTAVKA DOSTIZHENI NARODNOGO KHOZYAISTVA SSSR, 1966. Meropriyatiya po pod'emnu ekonomiki sel'skogo khozyaistva nechernozemnoi zony SSSR; mezhostraslevaya tematiceskaya vystavka [Measures of economic improvement of agriculture in non-chernozem zone of the USSR; interbranch topical show]. Moskva, 1966. 48 p. HD1992.V9
- 72845 NAIDU, B. A. Agricultural education in Andhra Pradesh. *Madras Agr. J.* 52(10):439-440. Oct. 1965. 22 M262
- 72846 NAIR, C. K. N. Agricultural education in Kerala State. *Madras Agr. J.* 52(10):443. Oct.1965. 22 M262
Agricultural College and Research Institute, Vellayani.
- 72847 NATIONAL 4-H CLUB FOUNDATION. General report on the 1964 International Farm Youth Exchange. Washington, D. C., 1965. various paging. 275.9 N2192
- 72848 NIEHAUS, H. The intellectual equipment in agriculture. (Ge) *Mitt. Deut. Landwirt.-Ges.* 81(1):10,12,14. Jan.6,1966. 18 N39
Education.
- 72849 OSLO. LANDBRUKSAKADEMIET. VINTER-LANDBRUKSSKOLEN. Arsmelding [Annual report of the Winter Agricultural School of the Agricultural Academy], by Nils Brandt, 1964-65, v. 79. Oslo, 1966. 25 p. 104 Os5
- 72850 PETITLAURENT. On the fourth agricultural film festival in Berlin. (Fr) *Paris. Acad. Agr. France. Compt. Rend. Hebd. Seances* 52 (4):254-258. Feb.16/23,1966. 14 P215Bc
- 72851 POTTI, V. S. S. Training youth in cooperation. *Kurukshetra* 13(5):16-17. Feb.1965. 281.28 K96
Chiefly in rural areas of India.
- 72852 PUTTARUDRIAH, M., and RAO, B. V. V. Progress of agricultural education in Mysore. *Madras Agr. J.* 52(10):441-442. Oct.1965. 22 M262
- 72853 RADHAKRISHNAN, A. Extension principles and practices as guide to agricultural production. *Madras Agr. J.* 52(4):177-182. Apr.1965. 22 M262
- 72854 RANGASWAMY, G. The Annamalai University Agricultural College. *Madras Agr. J.* 52(10): 438. Oct.1965. 22 M262
- 72855 RAU, J. Depository problems of old agricultural book collections. (Hu) *Mezogazdasagi Konyvtarosok Tajekoztatoja* 1:22-24. 1966. 243.8 M57
- 72856 RIEMANN, F. The practice of village renewal from the viewpoint of the village adviser. (Ge) *Agrarsoz. Ges. Materialsamml.* 40:23-27. Feb.1965. 281.9 Ag862M
- 72857 ROBERTSON, F. R. Annual program development. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:i. 275.29 AL1Su
Extension work.
- 72858 RYTARSSON, C. H. City young in agricultural schools. (Sw) *Var Naring* 42(8):219,222-223. 1965. 44.8 M692
- 72859 SARAGEA, M., and others. Antibodies to *Ricinus communis* (castor bean) in a rural community. *Ann. Allergy* 24(4):179-182. Ref. Apr.1966. 448.8 An72
A. Vladutiu, T. Negur, and N. Rotaru, joint authors.
In workers harvesting beans.
- 72860 SHIPMAN, J. A. Writing for your newspaper. Okla. State Univ. Ext. Leaflet L-141,4 p. Apr. 1966. 275.29 Ok41Le
- 72861 SLAYTON, A. R. Virginia 4-H International Farm Youth Exchange; a program for developing peace and understanding throughout the world. Va. Polytech. Inst. Ext. Circ. 756,rev., 12 p.-folder. Mar.1966. 275.29 V81C
- 72862 SPENCER, J. F., and ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. I. As seen by the faculty. Cornell Univ. Ext. Ext. Stud. 9,86 p. Sept.1965. 275.29 N48Ex
- 72863 SU, H. Struggle between socialism and capitalism in Chinese rural areas after land reform. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 9:1-19. Nov.10,1965. (JPRS 32,793; TT 65-33371) 173 J663Trf
Translation from Ching Chi Yen Chiu 9:14-26. Sept.20,1965.
Issued by CFSTI.
- 72864 THOMPSON, J. L. The historical development of the congressional district secondary agricultural schools in Alabama. Diss. Abs. 26 (10):5848-5849. Apr.1966. 241.8 M58
- 72865 TOPFER, K. V. The Proficiency Testing Scheme. Tasmanian J. Agr. 37(1):31-37. Feb. 1966. 23 T182T
Promoted by Junior Farmers' Federation for education of youth.
- 72866 TRABERG, E. Education. (Da) *Lundbaek. Nordjyllands Landbrugssk. Elevfor. Aarsskr.* 1965:43-44. 275.9 L97
Importance in agriculture.
- 72867 TROTMAN, C. Agricultural education in Australia and other countries. S. Australian Dairymen's J. 5(4):25-27,29. Jan./Feb.1966. 44.8 So86
- 72868 TURNER, R. B. Utilization of large rural and suburban secondary school sites by school and community groups in North Carolina. Diss. Abs. 26(10):5838-5839. Apr.1966. 241.8 M58
- 72869 U. S. DEPT. OF AGRICULTURE. CFF. OF INFORMATION. USDA films for television, 1966. U. S. D. A. Misc. Publ. 942,rev.,59 p. Feb. 1966. 1 Ag84M
Motion pictures.
- 72870 U. S. FEDERAL EXTENSION SERV. Extension programs for rural youth of low-income families; a report of a survey conducted by W. F. Pease, at the request of ECOP's [Extension Committee on Organization and Policy] Task Force on Work with Youth of Low-Income Families in Rural Areas, in cooperation with the Division of 4-H and Youth Development, FES. Washington, 1965. 56 p. aS544.A2P4
- 72871 U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Guidelines; USDA's responsibilities in foreign agricultural training. Washington, 1965? 10 p. A275.1 In8
In partnership with the Agency for International Development.
- 72872 U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. A year of progress; annual summary, 1965. Washington, 1965. 36 p., map. A275.29 F76
In partnership with the Agency for International Development; foreign trainees.
- 72873 U. S. NATIONAL AGRICULTURAL LIBRARY. The National Agricultural Library and its activities, compiled by C. W. Mehring. Washington, 1966. 27 p. aZ733.N3A5

- 72874 VERPLOEG, M. Do's and don't for estate planning. Iowa Farm Sci. 20(10):9-10. Apr. 1966. 275.28 I094
- 72875 VOROS, MRS. GY. The activity of university and college agricultural libraries according to the reports of 1965. (Hu) Mezőgazdasági Könyvtárosok Tájékoztatója 1:1-8. 1966. 243.8 M57
- 72876 WARREN, H. M. Suggested outline for annual county extension program and plan of work, 1966. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:ii. 275.29 AL1Su
- 72877 WASHINGTON, STATE UNIVERSITY. EXTENSION SERV. Scholarships, grants to State 4-H conference, and dairy breed awards. Wash. State Univ. Ext. E. M. 2142,9 p. Dec.1965. 275.29 W27Mi
- 72878 WHALEN, C. E. ABC's of county government. Ill. Univ. Ext. Circ. 933,32 p.,map. Apr.1966. 275.29 IL62C
- 72879 WILKINSON, V. Preparing for the added years. Wis. Univ. Ext. Circ. 646,11 p.,map. Dec.1965. 275.29 W75C

Rural Organizations and Movements

- 72880 ARKANSAS, UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H business, careers, and marketing activity. Ark. Univ. Ext. Leaflet. 371,5 p.-folder. Mar.1965. 275.29 Ar4Le
- 72881 COLORADO STATE GRANGE. Roster of the State, Pomona and subordinate granges of Colorado. Denver, 1966. 47 p. 4 C71R
- 72882 FODELMESY, J. Labor and peasant movements in Tokaj-Hegyalja from the beginning of the 19th century to 1920. (Hu) Budapest. Kertészeti Szólesz. Foiskola. Közleményei 28(3): 335-347. Ref. 1964,pub.1965. 80 B85
English summary.
- 72883 FUTURE FARMERS OF AMERICA. 1965 Proceedings, 38th annual convention, held at Kansas City, Missouri, October 13-15, 1965. Washington, D.C., 1965. 113 p. 4 F98P
- 72884 ILLINOIS AGRICULTURAL ASSOCIATION. Annual report, 1965. n. p., 1966? 132 p.,map. 4 IL66R
- 72885 KOREA, NONGCH'ON JIN HEUNG CHUNG. Rural youth work in Korea. Seoul, 1965. 3 v. 34.5 K842
Chiefly 4-H Clubs.
- 72886 LOGUE, H. E., and others. 4-H and youth development. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:74-75. 275.29 AL1Su
A. Barr, C. M. Mayfield, T. R. Agnew, and B. M. Jones, joint authors.
- 72887 MARYLAND AGRICULTURAL SOCIETY. Report for the year 1964. Volume 49, edited by E. R. Lusby and G. M. Cairns. Baltimore, 1965. 82 p. 4 M366
Includes report of the Maryland Farm Bureau and affiliated organizations.
- 72888 MCAULIFFE, V. J. 4-H designs for the future: Operation Expansion. Ext. Serv. Rev. 37(4):3, 14. Apr.1966. 1 Ex892Ex
Extension programs.
- 72889 SABROSKY, L. K. Meeting the basic needs of first-year 4-H club members. U. S. D. A. PA-203,8 p. Mar.1966. 1 Ag84Pro
- 72890 TSVELIKH, B. The work of the Komsomol [Kommunisticheskii Soyuz Molodezhi] organizations to keep rural youth on the farm. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 96: 66-69. Dec.20,1965. (JPRS 33,400; TT 65-33974) 173 J663Tou
Translation from Trud Oct.15,1965:2.
Issued by CFSTI.
- 72891 U. S. FEDERAL EXTENSION SERV. A calendar of 4-H events, January, 1966 to June, 1967; national, regional, State. Washington, 1966. 33 p. A225 F312C

Cooperative Organizations

- 72892 ARNANZ DELQADO, R. On cooperation. (Sp) Agricultura [Madrid] 35(407):130-131. Mar. 1966. 15 Ag84
- 72893 BOGDANOVIC, M. Internal organization of agricultural cooperatives under workers' management. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427: 46-62. Mar.28,1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
In Yugoslavia.
Translation from Tehnika 3:537-543. Mar. 1966.
Issued by CFSTI.
- 72894 EXPANDING horizons for cooperative service; a digest of the 28th annual FCS workshop, November 29-December 2, 1965. Washington, U.S. Farmer Coop. Serv., 1966. 36 p. A280.29 F22H
- 72895 FARMERS UNION CENTRAL EXCHANGE. Annual report 1965. St. Paul, 1966. 16 p. 280.29 F2292
- 72896 FEDERATION OF AGRICULTURAL CO-OPERATIVES IN GREAT BRITAIN AND IRELAND. Sixteenth annual report, 1965. London, 1965. 14 p. 280.29 B733
- 72897 KALIS, H. Function of agricultural cooperatives in the industrial society. (Ge) Mitt. Deut. Landwirt.-Ges. 81(1):14-16. Jan.6,1966. 18 N39
- 72898 LAND- UND FORSTWIRTSCHAFTLICHE GENOSSENSCHAFTEN OBERÖSTERREICH. ANWALTSCHAFT. Genossenschafts-jahrbuch 1966, 21. Folge [Cooperative yearbook 1966, No. 21]. 360 p. Linz, 1966. 280.29 L22
- 72899 MÖRAITES, N. First class agricultural cooperative organizations in the last decade. (Gre) Delt. Agrotikes Trapezes 145:13-15. July/Aug. 1965. 21.7 D38
- 72900 MUNSTER, WESTFALISCHE WILHELMS-UNIVERSITÄT. INSTITUT FÜR GENOSSENSCHAFTSWESSEN. Tätigkeitsbericht [Report of activities]. Munster, 1965. 50 p. 280.29 M92T
- 72901 PENTICTON CO-OPERATIVE GROWERS. 52nd annual report and balance sheet, 1964/65. Penticton, B.C., 1965. 10 p. 280.2939 P37
Library has also report for 1963/64.
- 72902 RAJAGOPALAN, V. Study of the organisation and functions of co-operative farming societies in the Madras State. Madras Agr. J. 52(1):20-30. Jan.1965. 22 M262
- 72903 REYMOND, P. Birth of the French Confederacy of Agricultural Cooperation [Confederation Française de la Coopération Agricole]. (Fr) Agriculture [Paris] 29(287):99. Mar.1966. 14 Ag823
- 72904 SAKKES, M. Cooperative organizations bring agricultural progress in other countries. (Gre) Delt. Agrotikes Trapezes 143:26-27,31; 144: 19-22; 145:9-12; 146:33-34. (Concl.) Mar./Apr.-Sept./Oct.1965. 21.7 D38
Chiefly Israel.
- 72905 SOPASAKES, E. Greek agricultural cooperatives and the supervising services of A.T.E. (Gre) Delt. Agrotikes Trapezes 146:31-32. Sept./Oct.1965. 21.7 D38
Agrotike Trapeza Hellados.
- 72906 TELLEZ, F. J. Co-ops and low-income farmers in Louisiana. La. Rural Econ. 28(2):13. May 1966. 281.8 L93

RURAL SOCIAL PSYCHOLOGY

- 72907 BOYD, E. M. Ages 'n stages of personality growth & development. Auburn Univ. Ext. Circ. HE-53,14 p. Ref. Oct.1965. 275.29 AL14
- 72908 FRASIER, R. C., and POPE, E. V. Helping parents teach young children; a guide for home economics program assistants. U. S. D. A. PA-712,13 p. Apr.1966. 1 Ag84Pro

- 72909 HADDOX, B. E. Joint decision-making patterns and related factors among low-income rural families. Southern Coop. Ser. Bull. 109,40 p. Dec.1965. 100 G29So
Agricultural Experiment Stations of Alabama, Florida, Kentucky, Louisiana, Mississippi, North Carolina, Tennessee and Texas; and U. S. Department of Agriculture, cooperating.
In relation to social and economic adjustments.
- 72910 JOHNSON, D. G. The environment for technological change in Soviet agriculture. Amer. Econ. Rev. 56(2):145-153. Ref. May 1966. 280.8 Am32
- 72911 U. S. FEDERAL EXTENSION SERV. Learning different shapes; a guide for parents. U. S. D. A. PA-724,8 p. Apr.1966. 1 Ag84Pro
- 72912 U. S. FEDERAL EXTENSION SERV. Talk and listen; a guide for parents. U. S. D. A. PA-718,8 p. Mar.1966. 1 Ag84Pro
- 72913 WILKENING, E. A., and LUPRI, E. Decision-making in German and American farm families: a cross-cultural comparison. Sociol. Ruralis 5(4):366-385. Ref. 1965. 281.29 So12
Comparative study in Wisconsin.
- 72914 WILKINSON, V. Understanding children 1 to 6. Wis. Univ. Ext. Circ. 645,11 p. Oct.1965. 275.29 W75C
- TRADE, FOREIGN AND INTERNATIONAL**
- 72915 ABEL, M. E. Price discrimination in the world trade of agricultural commodities. J. Farm Econ. 48(2):194-208. Ref. May 1966. 280.8 J822
- 72916 AKTAN, R. Analysis and assessment of the economic effects; Public Law 480 Title I Program, Turkey. Ankara, 1965. 525 p. HC405.A4
- 72917 AMARO, J. P. Pesticide residues endanger the export of fruit and horticultural industrial products. 1. (Por) Port. Junta Nac. Frutas. Serv. Inform. 275:10-11. Apr.1965. 286.3939 P832
- 72918 ANTONOV, T. Prospects for development of economic and trade relations between Bulgaria and the United Arab Republic (UAR). U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 268:11-19. Mar.28,1966. (JPRS 34,749; TT 66-31188) 173 J663Tree
Includes agricultural products.
Translation from Vunshna Turgoviya 1:14-16. Issued by CFSTI.
- 72919 ARAGONA, G. G. D'. Position of the countries exporting the basic agricultural products. A further examination of the classic theory of mutual advantages in international commerce. (It) Riv. Econ. Agr. 20(4):18-44. Ref. 1965. 281.8 R52
English summary.
Policies by underdeveloped countries.
- 72920 AUSTRIA. STATISTISCHES ZENTRALAMT. Der Aussenhandel Osterreichs 1965, 1. bis 4. Vierteljahr. Serie 2, Spezialhandel nach dem internationalen Warenschema (SITC-revised) [The foreign trade of Austria 1965, 1st to 4th quarter. Series 2, Special trade according to the international commodity scheme (SITC-revised)]. Wien, 1966. 101 p. 266 St22A
- 72921 AUSTRIA. STATISTISCHES ZENTRALAMT. Der Aussenhandel Osterreichs 1965, 1. bis 4. Vierteljahr. Serie 3 [The foreign trade of Austria 1965, 1st to 4th quarter. Series 3]. Wien, 1966. 102 p. 266 St22Au
- 72922 AZMEH, M. Syria's new setup maintains same quality. Cotton Trade J. Int. Edition 1966 (automation No.):130. 72.8 C8214I
Ginned cotton exports.
- 72923 BALASUNDARAM, E. K. Spices and cashewnut can earn more foreign exchange. Indian Farming 15(7):26-27. Oct.1965. 22 In283
- 72924 BALIOTTO, C. New markets? Honey in Germany. (It) Apicolt. Ital. 33(3):37-38. Mar. 1966. 424.8 Ap372
- 72925 BALIOTTO, C. The world market in honey. (It) Apicolt. Ital. 33(3):35-36. (cont.) Mar. 1966. 42.8 Ap372
- 72926 BALIOTTO, C. The world market in honey. (It) Apicolt. Ital. 33(4):69-70. (Cont.) Apr. 1966. 424.8 Ap372
- 72927 BANDINI, M. Free trade and plans in the common agricultural policy. (It) Prog. Agr. [Bologna] 11(9):897-904. Sept.1965. 58.8 P94
- 72928 BARBADOS. STATISTICAL SERV. Overseas trade, 1964. Barbados, 1965. 405 p. 254.8 B2320
- 72929 BARCHAM, R. J. Iraq needs raw materials, foods and manufactures. Australia. Dep. Trade Indus. Overseas Trading 18(2):33. Feb.4,1966. 286.9 Au7
- 72930 BERTIN-ROULLEAU, J. Common Market; increase in exchange of agricultural products. (Fr) Rev. Conserv. 21(2):49-51. Mar.1966. 389.8 R326
- 72931 BEUKENKAMP, R. L. Are Europeans better exporters than Americans? Foreign Agr. Incl. Foreign Crops Markets 4(20):4-6. May 16,1966. A281.9 F76Fo
- 72932 BIRKHEAD, J. W., and DAVIS, A. B. Changes in import duties on tobacco in free world countries, 1957-1965. U. S. Foreign Agr. Serv. FAS-M-177,101 p. Apr.1966. A281.9 F76Fm
- 72933 BOSTON, E. J. Britain's livestock export trade. Roy. Ass. Brit. Dairy Farmers. J. 70: 33-38. 1966. 44.9 B77
- 72934 CANADA. BUR. OF STATISTICS. EXTERNAL TRADE DIV. Trade of Canada; imports by countries, Jan.-Dec. 1965. Ottawa, 1966. 224 p. 253 ST25Tci
- 72935 COOK, A. C. Examining the outlook for our foreign sales of frozen fruits and vegetables. Foreign Agr. Incl. Foreign Crops Markets 4(21):6. May 23,1966. A281.9 F76Fo
- 72936 COOK, A. C. Mexican strawberry output and exports still soaring. Foreign Agr. Incl. Foreign Crops Markets 4(21):7-8. May 23, 1966. A281.9 F76Fo
Chiefly trade with U.S.
- 72937 CVETKOVIC, V. Yugoslavia as an importer of agricultural food products. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 268:36-59. Mar.28,1966. (JPRS 34,749; TT 66-31188) 173 J663Tree
Translation from Problemi Spoljne Trgovine 3:37-52. May/June 1965.
Issued by CFSTI.
- 72938 CZERWINSKI, P. Polish foreign trade during 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe Foreign Trade 196:21-31. Dec.8, 1964. (JPRS 27,731) 173 J663Tree
Includes agriculture.
Translation from Gospodarka Planowa 10:12-16. Oct.1964.
Issued by CFSTI.
- 72939 DISPA, J. Structure and development of statistics on foreign trade of the Belgium-Luxembourg Economic Union. (Fr) Statist. Office Europe. Communities. Statist. Inform. 1:103-117. 1966. 280.9 St25I
English summary.
- 72940 ECONOMIST. INTELLIGENCE UNIT. The UK market for certain US agricultural products. Volume VI, VIII. London, 1965-66. 2 v. HD9011.4.E3
Includes statistics.
- 72941 ERDEI, T. Fifty years of our drug plant export. (Hu) Herba Hung. 4(2):12-16. 1965. 71.8 H413
- 72942 FANGAUF, K. W. Multilateral demand and large potential. Soybean Dig. 26(8):74,76,78. May 1966. 60.38 So9
Soybean trade with Germany.
- 72943 FILIPI, F. Yugoslav trade with the United Arab Republic. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 273:65-78. Apr.19,1966. (JPRS 35,121; TT 66-31558) 173 J663Tree
Includes agriculture.
Translation from Problemi Spoljne Trgovine i Konjunktura 5/6:53-59. Sept./Dec.1965.
Issued by CFSTI.

- 72944 FINLAND. STATISTIKA CENTRALBYRAN. Ulkomaankauppa, vuosijulkaisu, osa I. Foreign trade, volume I, 1963. Helsinki, 1966. 278 p. (Suomen Virallinen Tilasto IA:83) 267.5 B47H Introduction, contents and table headings also in Swedish and English.
- 72945 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. World grain trade statistics: exports by source and destination, 1964/65. Rome, 1965. 70 p. 286.3599 F733 Text also in French and Spanish.
- 72946 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMODITIES DIV. African trade in meat, 1959-63. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(1):1-10. Jan.1966. 251 F73Mb Chiefly beef.
- 72947 FRANCE. DIRECTION GENERALE DES DOUANES ET DROITS INDIRECTS. Statistiques du commerce exterieur; tableau general des transports, annee 1965 [Statistics of foreign trade; general table of transportation, 1965]. Paris, 1966. 678 p. 260 D742T
- 72948 GACESA, I. Yugoslav agreements with Hungary. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 272:10-15. Apr.18,1966. (JPRS 35,088; TT 66-31526) 173 J663Tree Includes agricultural products. Translation from Medjunarodni Transport 2:45-47. Feb.1966. Issued by CFSTI.
- 72949 GREECE. ETHNIKE STATISTIKE HYPERESIA. Exoterikon emporion tes Hellados kata horas 1964 [Foreign trade of Greece by country 1964]. Athens, 1966. 294 p. 268 G81E Includes agriculture.
- 72950 HANSEN, F. H. Food export by the Scandinavian countries. (Da) Konserver Dybfrost 24(4): 43-45. 1966. 389.8 K835
- 72951 HARASIM, E. Economic evaluation of the export of foodstuffs—Poland. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 219:6-15. Apr.9,1965. (JPRS 29,519) 173 J663Tree Translation from Handel Zagraniczny 2:60-64. Feb.1965.
- 72952 HARNESSE, V. L. Brazil faces the prospect of smaller cotton exports. Foreign Agr. Incl. Foreign Crops Markets 4(21):13. May 23, 1966. A281.9 F76Fo
- 72953 HAYMAKER, J. The world market potential for soybeans. Soybean Dig. 26(8):27-30. May 1966. 60.38 So9
- 72954 INTERNATIONAL organization of commodity trade. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(2):1-8. Ref. Feb.1966. 251 F73Mb
- 72955 JAMAICA. DEPT. OF STATISTICS. External trade of Jamaica, calendar year 1964. Kingston, 1965? 279 p. 254.8 J223E
- 72956 JOHNSON, D. G. Trade policies and U.S. agriculture. J. Farm Econ. 48(2):339-353. Ref. May 1966. 280.8 J822 Includes discussion by A. B. Mackie.
- 72957 JONES, P. H. M. Australia looks North. Far East. Econ. Rev. 52(4):218-220. Apr.28,1966. 280.8 F223 Includes agricultural products imports and exports with Asia and Japan.
- 72958 KATS, W. Low-priced imports hurt Holland. Cotton Trade J. Int. Edition 1966 (automation No.):100-101. 72.8 C8214I
- 72959 KIRBY, J. E., and MCNEELY, J. G. Agricultural market development abroad. Tex. Agr. Exp. Sta. B-1040,27 p. Ref. Aug.1965. 100 T31S Includes promotion.
- 72960 KRUER, G. R. Reserves, trade and economic growth in 1965. U. S. D. A. Econ. Res. Serv. Foreign Gold Exch. Reserves, May 1965,15 p. A284.9 Ag842
- 72961 LEHTI, T. Liquidity creation and the financing of commodity arrangements. Food Agr. Organ. UN. Mon. Bull. Agr. Econ. Statist. 15(3):1-9. Mar.1966. 251 F73Mb For developing areas.
- 72962 LODWICK, S. The problems of foreign markets. Soybean Dig. 26(8):25-26. May 1966. 60.38 So9
- 72963 MACNAUGHT, J. EEC trade in farm products. Can. Dep. Agr. Agr. Abroad 21(2):42-46. Apr. 1966. 281.9 C1642A
- 72964 MALLON, R. Export policy in Pakistan. Pakistan Develop. Rev. 6(1):57-79. Ref. Spring 1966. 280.8 P17 For jute and cotton.
- 72965 MCCANN, J. H. What the St. Lawrence Seaway means to U.S. farm trade. Foreign Agr. Incl. Foreign Crops Markets 4(20):7-8. May 16,1966. A281.9 F76Fo
- 72966 MINER, W. M. Anglo-Irish free trade agreement. Can. Dep. Agr. Agr. Abroad 21(2):38-41. Apr.1966. 281.9 C1642A
- 72967 MIRCHANDANI, R. T. Fruit and vegetable preservation industry in India. Indian Food Packer 20(1):22-25. Jan./Feb.1966. 389.8 In25 Chiefly trade.
- 72968 MLADENOV, A. Further expansion of Bulgarian-Turkish economic and trade relations. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 273:33-39. Apr.19,1966. (JPRS 35,121; TT 66-31558) 173 J663Tree Chiefly agricultural commodities. Translation from Vunshna Turgoviya 3:17-19. Mar.1966. Issued by CFSTI.
- 72969 MOE, L. E. Ghana: supply and demand projections for farm products to 1975 with implications for U.S. exports. U. S. D. A. Foreign Agr. Econ. Rep. 30,20 p.,map. Mar.1966. A281.9 Ag8F
- 72970 MONTANER ESTEVE, J. Protection of horticultural crops in the Common Market. (Sp) Cult. Mod. 48(11):411-412. Nov.1965. 15 C89
- 72971 MOZAMBIQUE. SERV. DE ESTATISTICA GERAL. Comercio externo; comercio por mercadorias e paises. External trade; trade by merchandises and by countries, year 27, vol. I, 1963. Lourenco Marques, 1966. 522 p. 270 M872
- 72972 NORWAY. STATENS KORNFORRETNING. Annual report [of the Norwegian Grain Corporation], 1965. Oslo, 1966. 16 p. 287 N83A
- 72973 PAARLBERG, D. Agriculture and foreign trade; a study of ambivalent policies. Ga. Bus. 25(11):1-5. May 1966. 280.8 G29
- 72974 PAPANEEK, G. Tariff protection, import substitution, and investment efficiency: a comment. Pakistan Develop. Rev. 6(1):105-109. Spring 1966. 280.8 P17 Includes agricultural products.
- 72975 PAPUA AND NEW GUINEA. BUR. OF STATISTICS. Imports cleared for home consumption 1964-65. Port Moresby, 1965. 120 p. 272 P19P
- 72976 PETKOV, M. Trade and economic relations between Bulgaria and Finland are expanding. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 268:6-10. Mar.28, 1966. (JPRS 34,749; TT 66-31188) 173 J663Tree Includes agricultural products. Translation from Vunshna Turgoviya 1:9-10. Jan.1966. Issued by CFSTI.
- 72977 POGELER, G. H. Exports of soybeans and products continue to grow. Soybean Dig. 26(8): 70,72. May 1966. 60.38 So9 Includes work of Soybean Council of America.
- 72978 PRODUKTSHCAP VOOR LANDBOUWZAAIZADEN. Jaarverslag [Annual report of the Produce Company of Agricultural Seeds], 1965. 's-Gravenhage, 1966. 69 p. 64.9 P94 Chiefly seed export.
- 72979 RICE, T. Changes in grain marketing. Soybean Dig. 26(8):32. May 1966. 60.38 So9 For United States trade.
- 72980 SEVERIN, R. K. Unit trains speed Midwest's grain exports to East Coast ports. Foreign Agr. Incl. Foreign Crops Markets 4(20):11. May 16,1966. A281.9 F76Fo

- 72981 SOLIGO, R., and STERN, J. J. Some comments on the export bonus, export promotion and investment criteria. *Pakistan Develop. Rev.* 6 (1):38-56. Spring 1966. 280.8 P17
Policies for agricultural products trade.
- 72982 SOLIGO, R., and STERN, J. J. Tariff protection, import substitution, and investment efficiency: reply. *Pakistan Develop. Rev.* 6(1):110-119. Spring 1966. 280.8 P17
Includes agricultural products.
- 72983 SOYSA, W. D. Ceylon's trade with U.S.A., Ceylon Trade J. 30(7/12):296-299,301. July/Dec. 1965. 286.8 C333
Agricultural products included.
- 72984 SPEISER, B. France forced to cut cotton imports. *Cotton Trade J. Int. Edition* 1966 (automation No.):93-94. 72.8 C82141
- 72985 STANCIU, G. Varieties of peaches appreciated in world trade. (Rum) *Gradina, Via Livada* 14 (1):72-75. Jan.1965. 80 G75
For their qualities.
- 72986 STATISTIQUES du commerce exterieur de la France; annuaire abrege, annee 1964 [Statistics of the foreign trade of France; abridged year-book, 1964]. Paris, Direction Generale des Douanes et Droits Indirects, 1965. 255 p. 260 D742A
- 72987 STEIN, E. Starches and starch products in the foreign trade of important areas of Europe. II. (Ge) *Starke* 18(1):27-29. Jan.1966. 309 St22
- 72988 STRAATEN, A. A. VAN. The position of the Netherlands as exporter of wheat flour. (Du) *Econ.-Statist. Ber.* 51(2540):481-484. May 4, 1966. 280.8 Ec722
- 72989 TAWA, A. Soy oil to help meet UAR demand. *Soybean Dig.* 26(8):80-81. May 1966. 60.38 So9
- 72990 TAYLOR, H. C. Food requirements dominate Britain's trade policy. *J. Farm Econ.* 48(2):185-193. May 1966. 280.8 J822
- 72991 TOGNI, P. Sweden—potential market for U.S. wines? *Wines Vines* 47(5):29-30. May 1966. 95.8 C122
- 72992 TRIESTE. CAMERA DI COMMERCIO, INDUSTRIA E AGRICOLTURA. Statistica del commercio e della navigazione di Trieste per l'anno 1965 [Statistics of the trade and navigation of Trieste for the year 1965]. Trieste, 1966. 124 p.,map. 261 T73
- 72993 TRINIDAD AND TOBAGO. CENTRAL STATISTICAL OFF. Overseas trade annual report for the year 1964. Part A, Detailed tables 1, 2 and 3. Port-of-Spain, 1965. 375 p. 254.8 T735T
- 72994 U. S. COMMODITY CREDIT CORPORATION. Report of Title II, P. L. 480 operations: famine, emergency relief and economic development assistance to foreign countries. No. 70, period covered: inception through March 31, 1966. Washington, 1966. 16 p. A284.29 C73R
- 72995 U. S. DEPT. OF AGRICULTURE. U.S. food exhibitions around the world. Washington, 1966. 11 p. aTX346.A2U5
- 72996 VIRENDRASINGH, M. Soyabean council director pleads for imports of soyabean oil from U.S. *Oils Oilseeds J.* 18(9):4. Mar.1966. 307.8 Oi54
By India.
- 72997 VOLLAERS, J. A. Netherlands import of tractors in 1965. (Du) *Landbouwmecanisatie* 17 (5):515-518. May 1966. 58.8 L2352
English summary.
- 72998 ZEGELIN, G. B. Try Switzerland for food and wine sales outlets. *Australia. Dep. Trade Indus. Overseas Trading* 18(2):32. Feb.4,1966. 286.9 Au7

FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 72999 ALTSCHUL, A. M. A look at the world protein situation. Soybean Dig. 26(8):15-16,19-22. May 1966. 60.38 So9
For human nutrition.
- 73000 BURKART, A. C. Quick ways for busy days. Rutgers State Univ. Ext. Leaflet. 402,12 p.-folder. Mar.1966. 275.29 N46L
Meal planning.
- 73001 BURKART, A. C. Your food choices for good looks and pep. Rutgers State Univ. Ext. Ext. Bull. 326-A,8 p. Mar.1966. 275.29 N46
- 73002 ERDELYI, MRS. L. Carrot products. (Hu) Kiskert 2:1. In Kertesz Szolész. 15(7). Apr. 1966. 80 K474
Cookery.
- 73003 FLORES, M., FLORES, Z., and LARA, M. Y. Food intake of Guatemalan Indian children, ages 1-5. Amer. Diet. Ass. J. 48(3):480-487. Ref. June 1966. 389.8 Am34
Nutritional survey.
- 73004 HAMILTON, L. W. What is your rule for good eating? Penn. State Univ. Ext. Leaflet. 276,4 p. 1965. 275.29 P38L
- 73005 HODGES, R. E., and KREHL, W. A. Nutritional status of teen-age children in Iowa. Food Nutr. News 36(9):1,4. June 1965. 389.8 F7332
- 73006 ISAKSSON, B. Felnard i valfard; en kritik av den svenska husmanskosten [Faulty nutrition in welfare; a criticism of the Swedish diet]. Var Foda 2,51 p. 1966. 389.8 V26
- 73007 JUDGE, J. F. Fresh strawberries. Rutgers State Univ. Ext. Leaflet. 385-A,4 p. Apr.1966. 275.29 N46L
Cookery.
- 73008 LANGEN, H. L. West German protein demand grows. Soybean Dig. 26(8):56-58,60. May 1966. 60.38 So9
Consumption and sources for supply.
- 73009 LAWLER, F. K. Military creates new foods. Food Eng. 38(5):52-56,68. May 1966. 389.8 F737
- 73010 LEVERTON, R. M. Nutrition programs in the United States Department of Agriculture. Amer. J. Public Health Nat. Health 56(5):812-817. May 1966. 449.9 Am3J
- 73011 LINDNER, H., and SCHUCHARDT, W. Vitamins, building stone of life. I. History and discovery. (Ge) Chem. Tech. Landwirt. 17(1):19-20. Jan.1966. 384 C4292
- 73012 NORTON, M. Practical aspects of serving meals more frequently. Amer. Diet. Ass. J. 48(6):505-509. Ref. June 1966. 389.8 Am34
- 73013 PETERMANN, R., and SULEK, H. Your preschooler at mealtime. Okla. State Univ. Ext. Leaflet. L-138,6 p.-folder. Apr.1966. 275.29 Ok41Le
- 73014 PRICKETT, F. Food and nutrition. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:64-65. 275.29 AL1Su
Extension programs.
- 73015 SHERMAN, W. C. Zinc. Food Nutr. News 36(9):3. June 1965. 389.8 F7332
In nutrition.
- 73016 SMITH, A. B. Seasonings from the southern woods. Forests People 16(2):10-11,32. Second Q.1966. 99.8 F7628
Cookery.
- 73017 THANANGKUL, O., WHITAKER, J. A., and FORT, E. G. Malnutrition in northern Thailand. Amer. J. Clin. Nutr. 18(5):379-389. Ref. May 1966. 389.8 J824
- 73018 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Poultry in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 110,30 p. Mar. 1966. 1 Ag84Hg

- 73019 U. S. FEDERAL EXTENSION SERV. Food for young families; a series of nutrition lessons, guide for extension home economists. U. S. D. A. PA-700,18 p. Ref. Mar.1966. 1 Ag84Pro
- 73020 U. S. FEDERAL EXTENSION SERV. Food for young families: eat to live better. U. S. D. A. PA-694,4 p. Mar.1966. 1 Ag84Pro
- 73021 U. S. FEDERAL EXTENSION SERV. Food for young families: key nutrients. U. S. D. A. PA-691,4 p. Jan.1966. 1 Ag84Pro
- 73022 U. S. FEDERAL EXTENSION SERV. Food for young families: meal planning made easy. U. S. D. A. PA-695,4 p. Mar.1966. 1 Ag84Pro
- 73023 U. S. FEDERAL EXTENSION SERV. Food for young families: principles of cookery. U. S. D. A. PA-692,4 p. Mar.1966. 1 Ag84Pro
- 73024 WIRTHS, W., BECHER, A., and PRINZ, W. Nutrition of developing populations as linear decision model—with special reference to protein requirements. (Ge) Germany. Bundesmin. Ernähr. Landwirt. Forsten. Ber. Landwirt. (n.s.)43(3):585-605. Ref. 1965. 18 G31

FOOD HABITS

- 73025 BAVLY, S. Changes in food habits in Israel. Amer. Diet. Ass. J. 48(6):488-495. June 1966. 389.8 Am34
- 73026 SYMPOSIUM ON FOOD PREJUDICES AND TABOOS. [Proceedings]. Food Technol. 20(5):61-68. (Cont.) May 1966. 389.8 F7398

NUTRITIVE AND VITAMIN CONTENT

- 73027 ALIKONIS, J. J. Nutritive coatings on confection-type cubes used for space foods. Confectioner 51(1):21,24. Ref. May 1966. 389.8 N81
- 73028 AMSTRONG, J. G. An economic-nutritional index of foods. Can. Nutr. Notes 22(3):25-39. Mar.1966. 389.9 C168
Contains tables giving food nutritive values.
- 73029 ANTONIO, J., JOSE, A., and BARRANTES, P. Study of the use of vitamin C (L-ascorbic acid) as improver. (Sp) Pan 13(149):7-11. Mar.15, 1966. 389.8 P192
Fortified flour.
- 73030 BANCK, M. More vegetables in the diet. (Sw) Gavleborgs Lans Hushallningssallsk. Lantbrukstidskr. 42(1):15-18. 1966. 11 G24L
- 73031 BEAN, A., BRADLEY, W. B., and SULLIVAN, B. J. The potential for wheat foods. Northwest. Miller 273(6):10-12,52. June 1966. 298.8 N81
Nutritive value for poor countries; millfeeds used.
- 73032 HEPBURN, F. N., CALHOUN, W. K., and BRADLEY, W. B. The biological availability of essential amino acids in wheat, flour, bread, and gluten. Cereal Chem. 43(3):271-283. May 1966. 59.8 C33
- 73033 JOOST, K. Nutritive value of butter milk. (Sw) Var Naring 42(8):206. 1965. 44.8 M692
- 73034 KELLY, N. Sugar and the synthetics. Sugar J. 28(12):10-15. May 1966. 65.8 Su391
Nutritive value.
- 73035 KOCTURK, O. N. Fortification of an old Turkish soup (tarhana) with soya bean proteins. Vitalst.—Zivilisationskrankheiten 11(2):77-79. 1966. 389.8 V836
- 73036 KUSHINSKAYA, I. N., and SHNAIDMAN, L. O. Identification of carotenoids in fresh fruits of Rosa canina. (Rus) In Soveshchanie po Vitaminam iz Prirodn. Syr'ya, 1963. Materialy 1964:141-144. Not in Libr.
Cited in Ref. Zh. Khim. 19(sect.N):49. Oct. 1965. 241.64 R252
- 73037 MACNAB, C. S. Dairies subjected to criticism on issue of adding vitamin D to milk. Can. Dairy Ice Cream J. 45(5):25-26. May 1966. 44.8 C162
- 73038 SANDOR, MRS. Z. Critical survey of the methods for vitamin-C determinations. (Hu) Elelmezési Ipar 20(3):95-97. Ref. Mar.1966. 290.9 M57
English summary.
In food.

- 73039 SOMOGYI, J. C. Indispensable protective substances in fruits and vegetables. (Ge) Obst Gemuse 30(5):24,29. May 1966. 286.83 Ob72 Nutrients.
- 73040 SYMPOSIUM ON NUTRITIONAL AND TOXICITY PROBLEMS ASSOCIATED WITH FATS. Proceedings. Nutr. Soc. Proc. 25(1),60 p. Ref. 1966. 389.9 N953
- 73041 TALPASEANU, F., and COSTESCU, E. Research to obtain nutritive and dietetical products for children, in the canned food industry. (Rum) Bucharest. Inst. Cercet. Aliment. Lucrarile 7:227-234. 1964/65. 389.9 R86 English summary.
- 73042 TEMPER, A. C., and others. The role of prophylactic vitamin additions to food in the decrease of morbidity. 6 p. Transl. 14521 B. V. Bokhanov, L. A. Zagranichnyi, A. C. Yezhov, and S. V. Katasonov, joint authors. Translation from Voenno-Meditsinskii Zhurnal 3:41-51. Mar.1961.
- 73043 TEPLY, L. J. Role of milk and milk products in nutrition in tropical and subtropical countries. J. Dairy Sci. 48(11):1547-1550. Nov. 1965. 44.8 J822
- 73044 THOMAS, B. Rye or wheat bread? (Ge) Mitt. Deut. Landwirt.-Ges. 81(13):540,542,544. Mar.31,1966. 18 N39 Nutritive value of rye and decline in its use for bread.
- 73045 WILLS, R., DEETHARDT, D., and LUCAS, B. Bigmouth buffalo as protein source. S. Dak. Farm Home Res. 17(1):15. Winter 1966. 100 So82S As a food fish; includes cookery.
- 73046 WURZBACHER, I. Occurrence and physiological importance of the B-group vitamins. (Ge) Ernahr. Lehre Praxis 8:29-30. In Ernahr.-Umsch. 12(8). Aug.1965. 389.8 Er66

MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

GENERAL

- 73047 AMARO, J. P. Pesticides in agriculture and the precautions inherent in their use. (Por) Port. Junta Nac. Frutas. Serv. Inform. 275:3-5. Apr.1965. 286.3939 P832
- 73048 APPLGATE, H. G. Pesticide effects; we're still learning. Grain Prod. News 18(9):12-14. June 1966. 286.81 G764
Used in agriculture, hazard to humans.
- 73049 ASIBEY, E. O. Uganda's big game is a major land product. Ghana Farmer 9(2):58-61,83. May 1965. 24 G564
Wildlife management.
- 73050 BAKER, S. Aerial photography aids agriculture. Progr. Agr. Ariz. 18(1):25-26, map. Jan./Feb.1966. 6 P9452
- 73051 BALCH, G. T., and BASKIN, C. C. Pesticide education. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:17. 275.29 AL1Su
Extension programs.
- 73052 BALYBERDIN, I. S. Esthetics on livestock farms. (Rus) Zhivotnovodstvo 4:47-48. Apr. 1966. 49 Z6
- 73053 BRANDWEIN, P. F. A strategy for education in conservation. Catalyst 1:4-5. Fall 1965. S900.C3
- 73054 BRESCH, C. Klassische und molekulare Genetik; ein Lehrbuch [Classical and molecular genetics; a textbook]. Rev. ed. Berlin, 1965. 319 p. Ref. 1965. QH431.B7
- 73055 BRITISH COLUMBIA, DEPT. OF AGRICULTURE. 60th annual report, 1965. Victoria, 1966. 18 p. 7 B77R
- 73056 COLE, H. Pest control, pesticides, and people. Penn. State Univ. Ext. Spec. Circ. 77, 18 p. 1966. 275.29 P382Sp
- 73057 COOKE, J. R., and BOWEN, H. D. Electrical sensing-zone measurement of particle size. Amer. Soc. Agr. Eng. Pap. 158, 32 p. Ref. 1965. 290.9 Am32P
With reference to economic poisons.
- 73058 EMCHUK, E. M., POGREBNYAK, L. P., and YURKINA, V. I. Twentieth anniversary of the activity of the Ukrainian Scientific Society of Parasitologists (URNOP) [Ukrainskoe Respublikanskoe Nauchnoe Obshchestvo Parasitologov]. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazyty cheloveka i zhivotnykh, p.401-409. 1965. 436 K544
- 73059 FARMERS', foresters', and fishermen's almanac, 1966. 42 p. S414.N63
Ryukyu Islands.
Translation of Nosangyoka no Koyomi.
- 73060 FIELDS, H. M., and HESTER, F. E. Farm pond management. N. C. Univ. Ext. Ext. Circ. 435, rev., 15 p. Feb.1966. 275.29 N811
Fish ponds.
- 73061 HAMAR, M. Some present-day problems of rodent control. (Rum) Probl. Agr. [Bucharest] 17(3):63-65. Mar.1965. 21 R862
- 73062 HAPPOLD, F. H. Farm chemicals break new ground. Statist 190(4597):940-941. Apr.15, 1966. 286.8 St2
In Great Britain.
- 73063 HEALD, A. F. Current defense activities of USDA. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:43. A281.9 V59
- 73064 HEIN, V. The wooded meadow of Laelatu from spring to fall. (Es) Eesti Loodus 5:279-284, map. Sept/Oct.1965. 409.6 Ee7
Part of natural resources.
- 73065 HEUVER, M. The course "spraying in agriculture." (Du) Loonbedrijf Land-Tuinbouw 19(2):149,151. Feb.1966. 283.8 T.87
- 73066 HOLMES, R. Emergency broadcast facilities. U. S. Agr. Stab. Conserv. Serv. [Rep. State ASCS Conf. Vermont] 1965:44. A281.9 V59 Vermont.
- 73067 ILLINOIS, DEPT. OF AGRICULTURE. 48th annual report, July 1, 1964-June 30, 1965. Springfield, 1965. 52 p. 2 IL6R
- 73068 KAHN, J. Pesticide proof? Pest Contr. 34(5):12-14, 91. May 1966. 449.8 Ex8
Accident exposures and toxic hazards.
- 73069 KERRY COUNTY (IRELAND). COMMITTEE ON AGRICULTURE. Annual report, 1965. Tralee, 1966? 184 p. 10 K46
- 73070 KNOWLTON, G. F. Pesticide safety, a report. Utah. State Univ. Ext. Entomol. Mimeo Ser. 90, 3 p. Mar.1966. 275.29 Ut1En
Illinois.
- 73071 KONDRATENKO, R. Effectiveness of the use of plastics in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:21-28. Apr.5, 1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaystva 11:62-66. Nov.1964.
Issued by CFSTI.
- 73072 KRISTIANSTADS LANS HUSHALLNINGSSALLSKAP. Report of Kristianstad Agricultural Society for 1964. (Sw) Kristianstads Land Hushallningssallsk. Tidskr. 2:1-36. Dec.1965. 11 K89
- 73073 MCLEAN, L. A. Tree of knowledge. Int. Shade Tree Conf. Proc., 41st Conf.:80-95. 1965. 99.9 N218
Tolerances, toxicity and outlook in pesticides.
- 73074 OPPLAND LANDBRUKSSELSKAP. Melding [Report of the Oppland Agricultural Society], 1965. Gjovik, 1966. 102 p. 11 Op4
- 73075 POPOV, A., PAVLOV, K., and GENCHEV, G. State and problems of biological science in Bulgaria. 9 p. (JPRS 29,060; TT 65-30477) Transl. 14869
Translation from Zemedelsko Zname 63(29):1-2. Feb.4, 1965.
CFSTI: \$1.00.
- 73076 PROGULSKE, D. R. South Dakota raccoons, feeding and living habits. S. Dak. Farm Home Res. 17(1):12-14. Winter 1966. 100 So82S
As farm pests.
- 73077 RAFELSON, M. E., and BINKLEY, S. B. Basic biochemistry. New York, Macmillan, 1965. 350 p. QP514.R3
- 73078 RIBICOFF, A. A., DYKSTRA, W. W., and PEARSON, P. D. Pesticides in the modern society. Int. Shade Tree Conf. Proc., 41st Conf.:62-80. 1965. 99.9 N218
Regulations, hazards, toxicity.
- 73079 ROMERO MZ., J. M. Toxicity of pesticides and fertilizers. (Sp) Rev. Nac. Agr. 57(724):43-46. Aug.1965. 9.4 R32
Letter to the Ministry of Public Health and reply by E. Nunez Olarte.
- 73080 SEYCHELLES, DEPT. OF AGRICULTURE. Annual report for the year, 1964. Mahe, 1965. 39 p. 25 Se9
- 73081 SHERER, R. L. Rural civil defense. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:78-79. 275.29 AL1Su
- 73082 SIERRA LEONE, DEPT. OF AGRICULTURE. Report, 1962. Freetown, 1966. 73 p. 24 Si2
Have also 1961.
- 73083 SISAKYAN, N. Chemistry in agriculture. 6 p. (JPRS 22,831; OTS 64-21350) Transl. 14277
Translation from Pravda, Dec.9, 1963.
CFSTI: \$0.50.
- 73084 SZEWKO, M. Chemicals in agriculture, 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus 435:31-39. Apr.27, 1966. (JPRS 35,209; TT 66-31646) 173 J663St
Application in Poland.
Translation from Mechanizacja Rolnictwa 15(5):8-10. Mar.1966.
Issued by CFSTI.
- 73085 TERENCEV, V. M., and KUPCHINOV, N. N. Activities of scientists in Department of Biological Sciences, Academy of Sciences, Belorussian SSR [Akademiya Nauk Belorusskoi SSR, Otdelenie Biologicheskikh Nauk], during 1964. 23 p. (JPRS 33,821; TT 66-30264) Transl. 15800
Translation from Akademiya Nauk Belorusskoi SSR. Vestsi 2:128-138. 1965.
CFSTI: \$1.00.

- 73086 TERRELL, J. U. The United States Department of Agriculture, a story of food, farms and forests. New York, Duell, Sloan & Pearce, 1966. 130 p. S21.C9T4
- 73087 TIEMEIER, O. W. Kansas farm ponds. Kans. Agr. Exp. Sta. Bull. 488, 64 p. Ref. Jan. 1966. 100 K13S
Fish ponds.
- 73088 TOMCSANYI, P. A kutatási ismeretgazdalkodás és kezi lyukkartya technikája [Management of research information and the technique of hand-sorted punchcard]. Hung. Országos Mezőgazdasági Kézikönyvtár Dok. Központ Közleményei 8, 205 p. 1966. 240.9 H89
English summary.
For agricultural application.
- 73089 UDALL, S. L. Population vs. resources in "the great chain of life." Catalyst 1:2-3. Fall 1965. S900.C3
- 73090 UPPSALA LANS HUSHALLNINGSSÄLLSKAP. Handlingar [Proceedings of Uppsala Province Agricultural Society], by Goran Knutsson, 165, v. 147. Uppsala, 1965. 123 p. 11 Up6
- 73091 U. S. DEPT. OF AGRICULTURE. Report of the Secretary of Agriculture, 1965. Washington, 1966. 79 p. 1 Ag84A
- 73092 U. S. DEPT. OF AGRICULTURE. What the U.S. Department of Agriculture can do—when natural disaster strikes. U. S. D. A. PA-533, 8 p.-folder. Apr. 1966. 1 Ag84Pro
- 73093 U. S. FEDERAL EXTENSION SERV. A year of double trouble. Washington, 1966. 21 p., map. aHV636.A2
Office of Civil Defense, cooperating.
Slide film strips of disasters.
- 73094 VIRGIN ISLANDS OF THE UNITED STATES. GOVERNOR. Annual Report 1965. Washington, 1965. 163 p. 254.8 V812
Includes work of the Department of Agriculture and Labor.
- 73095 WESTERN SAMOA. DEPT. OF AGRICULTURE, FORESTS AND FISHERIES. Annual report for 1964. Apia, 1965. 71 p. (Its Parliamentary Paper 1965, No. 6) 23 W525A
- BIOGRAPHY**
- 73096 AARNE Salokangas will be 80 years old. (Sw) Svinet 57:10. July 1965. 46.8 Sv32
- 73097 ALBERT Schulte van Werde of Listrup is 65 years old. (Ge) Tierzuchter 18(8):263-264. Apr. 20, 1966. 49 T445
- 73098 AN APPRECIATION—Mr. F. W. Hicks. Tasmanian J. Agr. 37(1):1. Feb. 1966. 23 T182T
- 73099 ANDALÓ, G. First anniversary of the death of Eliseo Jandolo. (It) G. Agr. 76(19):213. May 8, 1966. 16 It1G
- 73100 BEI-BIENKO, G. J. Sixty five years devoted to entomological science: in memory of J. A. G. Rehn. (Rus) Entomol. Obozr. 44(3):714-716. 1965. 421 R332
Includes list of works.
- 73101 BILYK, H. I., and BACHURYNA, H. F. Dmytro Kostyantynovych Zerov. (Ukr) Bot. Zhur. 22(6):114-118. 1965. 450 J8212J
- 73102 BRASS, Prof. Dr. h. c. R. Volker of Hanover is 70 years old. (Ge) Tierarztl. Umsch. 21(5):248-249. May 1, 1966. 41.8 T445
- 73103 BRENDLIEN, O. In memory of. (No) Biokteren 82(1):17. Jan. 1966. 424.8 B53
Dagfin Aarskog.
- 73104 CORDES, Dr. K. H. Schulze of Freiburg died. (Ge) Tierarztl. Umsch. 21(5):249-250. May 1, 1966. 41.8 T445
- 73105 CORE, E. L. Perry Daniel Strausbaugh. Torrey Bot. Club. Bull. 93(2):138-140. Mar./Apr. 1966. 451 T63B
Includes list of publications.
- 73106 DEAN [Hardy L.] Shirley to retire on September 1st. Northern Logger 14(12):22-23. June 1966. 99.81 N812
- 73107 ERNST Laur. (Sw) Skogs- Lantbruksakad. Tidskr. 104(6):439-440. 1965. 104 Sw3
Necrology.
- 73108 FORTNER, J. Professor Dr. med. vet. Martin Zunker is 65 years old. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(7):121-122. Apr. 1, 1966. 41.8 B45
- 73109 FRANCOIS Maignon. (Sw) Skogs- Lantbruksakad. Tidskr. 104(6):436-437. 1965. 104 Sw3
Necrology.
- 73110 FRITSCH, R. Prof. Dr. h. c. M. Westhues is 70 years old. (Ge) Berliner Münchener Tierarztl. Wochenschr. 79(7):139. Apr. 1, 1966. 41.8 B45
- 73111 FRITZSCHE, K. Chief veterinary councilor Dr. agr. Dr. med. vet. Peter Imhoff is 65 years old. (Ge) Deut. Tierarztl. Wochenschr. 73(7):165. Apr. 1, 1966. 41.8 D482
- 73112 GARNHAM, P. C. C. Prof. Saul Adler. Nature [London] 209(5030):1286-1287. Mar. 26, 1966. 472 N21
- 73113 GOLDEN Peanut [Research] Award winner. Peanut J. Nut World 45(7):5. May 1966. 77.8 P313
Presented to Dr. Lawrence I. Miller by the National Peanut Council.
- 73114 GRAN, B. Necrology. (No) Arsskr. Norske Skogplantesk. 1965:11. 1966. 99.9 N8122
Halidan Nilsen.
- 73115 GROENHUIJZEN, S. In memoriam Dr. A. J. M. Garjeanne. (Du) Buxbaumia 19(1/2):41-42. Nov. 1965. 450 B98
- 73116 GROSSKLAUS, B. Director and professor Dr. M. Zunker is 65 years old. (Ge) Deut. Tierarztl. 14(4):134-136. Apr. 5, 1966. 41.8 D484
- 73117 GURNEY, A. B., KRAMER, J. P., and WIRTH, W. W. Carl John Drake 1885-1965. Entomol. Soc. Wash. Proc. 68(1):63-71. Mar. 1966. 420 W27
- 73118 HANSSON, A. The president of the Beekeepers Association in East Germany is dead. (Sw) Bitidningen 65(4):121. Apr. 1966. 424.8 B54
Max Schulze.
- 73119 HANSSON, P. A. Edvin Eriksson. Bitidningen 65(3):105-106. Mar. 1966. 424.8 B54
- 73120 HOLMAN, R. T. Special AOCs award highlights symposium honoring George Burr. Amer. Oil Chem. Soc. J. 43(4):152A, 154A. Apr. 1966. 307.8 J82
- 73121 IN MEMORIAM: Max Schulze. (It) Apicolt. Ital. 33(4):78. Apr. 1966. 424.8 Ap372
- 73122 J. B. FRYE Jr. honored by the Southern Association. J. Dairy Sci. 49(4):420-421. Apr. 1966. 44.8 J822
Citation of the American Dairy Science Association's Southern Division.
- 73123 JAMES Macdonald. (Sw) Skogs- Lantbruksakad. Tidskr. 104(6):437-438. 1965. 104 Sw3
Necrology.
- 73124 JOHANNES Partanen is 50 years old. (Sw) Svinet 57:9. July 1965. 46.8 Sv32
- 73125 JOHN Hammond. (Sw) Skogs- Lantbruksakad. Tidskr. 104(6):441-442. 1965. 104 Sw3
Necrology.
- 73126 JUDGE Marvin Jones—"sugar man of the year." Sugar J. 28(12):9. May 1966. 65.8 Su391
Presented with the Dyer Memorial Award.
- 73127 JUHO Jannes. (Sw) Skogs- Lantbruksakad. Tidskr. 104(6):438-439. 1965. 104 Sw3
Necrology.
- 73128 KARBOUNARES, P. A. Necrology; Dionysios S. Liaros. (Gre) Hellen. Kteniatrike Hetaireia. Delt. 16(57/58):69-70. Jan./June 1965. 41.9 So18
- 73129 KARL Jansson. Bitidningen 65(3):104. Mar. 1966. 424.8 B54
- 73130 KIENZLE, Prof. Dr. h. c. Karl Trautwein is 70 years old. (Ge) Deut. Tierarztl. 14(4):133-134. Apr. 5, 1966. 41.8 D484
- 73131 KIENZLE, Professor Dr. Karl Trautwein is 70 years old. (Ge) Deut. Tierarztl. Wochenschr. 73(7):165. Apr. 1, 1966. 41.8 D482
- 73132 KIRBY, J. T. Westmoreland Davis: a Virginia planter, 1859-1942. Diss. Abs. 26(10):5997-5998. Apr. 1966. 241.8 M58
- 73133 KLOKOV, M. V. Dmitri Ivanovich Sakalo. (Ukr) Ukr. Bot. Zhur. 23(1):109-110. 1966. 450 J8212J
Includes list of works.

- 73134 LAGERLOF, N. Willy Hallgren is dead. (Sw) Svensk Veterinaritidn. 17(18):545-547. Sept. 1965. 41.9 Sv23
- 73135 LAKO, J. In memoriam D. Haak. (Du) Tijdschr. Diergeneesk. 91(9):630-631. May 1, 1966. 41.8 T431
- 73136 LARS Skeie is 50 years old. (No) Meieriposten 55(15):325. Apr. 16, 1966. 44.8 M47
- 73137 MARY Pascoe Huddleson, 1889-1966. Amer. Diet. Ass. J. 48(6):510-511. June 1966. 389.8 Am34
- 73138 MAZURMOVICH, B. N., and BOSKO, G. V. Scientific, teaching and social activities of the academician of the Ukrainian Academy of Sciences, A. P. Markevich. (Rus) In Akademiya Nauk Ukrayins'koyi RSR. Parazity i parazitozy cheloveka i zhivotnykh, p.7-24. 1965. 436 K544
Includes list of publications.
- 73139 MEMORIAL: John G. Archibald, 1894-1965. J. Dairy Sci. 49(4):420. Apr. 1966. 44.8 J822
- 73140 NECROLOGY. (No) Arsskr. Norske Skogplanter. 1965:12. 1966. 99.9 N8122
Gunnar James Hiorth.
- 73141 NEUMAN, V., and BARTIK, M. Prof. MV Dr. A. Janeczek and his contribution to the development of Czechoslovak veterinary biochemistry and toxicology. (Cz) Czech. Min. Zemedel. Les. Vodn. Hospodar. Ustav Vedeckotech. Inform. Vet. Med. 38(6):317-319. June 1965. 41.9 C333
- 73142 NIEDER, H. Chief veterinary councilor Dr. Wilhelm Kayser of Northeim (Hann.) died. (Ge) Deut. Tierarztl. 14(4):160-161. Apr. 5, 1966. 41.8 D484
- 73143 NIKOLAEV, S. F. Agronomist and botanist A. A. Khrebtov (1876-1944). (Rus) In Na Zap. Urale 4:113-122. 1964. (Not in Libr.)
Abstracted in Ref. Zh. Biol. 22(sect.A):3. Nov. 1965. 241.7 R25
- 73144 OLA BERGE is 60 years old. (No) Meieriposten 55(17):383-384. Apr. 30, 1966. 44.8 M47
- 73145 OLAV J. Asland will be 50 years old. (No) Meieriposten 55(19):430-431. May 14, 1966. 44.8 M47
- 73146 OLAV Stedje will be 50 years old. (No) Meieriposten 55(15):325. Apr. 16, 1966. 44.8 M47
- 73147 OPSAL, A. In the footsteps of the old foresters. XIV. Hans Wiingreen. (No) Tidsskr. Skogbruk 74(1):78-110, map. 1966. 99.8 T432
- 73148 OREL, V. Jaroslav Krizenecky—teacher and researcher. (Cz) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:303-334. 1965. 510 B836
English summary.
Includes list of publications.
- 73149 OREL, V. Mendel as a beekeeper. Brno, Moravian Mus., 1965. 21 p. SF531.073
- 73150 ORLOVSKII, N. I., and OKANENKO, A. S. Professor A. A. Tabentskii. (Rus) Fiziol. Rast. 11(6):1115-1116. 1964. 450 F58
- 73151 OSVALD, H. Nils R:son Kleen. (Sw) Skogs-Lantbruksakad. Tidsskr. 104(6):431-435. 1965. 104 Sw3
Necrology.
- 73152 PANIN, V. A. Johann Gregor Mendel. (Uk) Ukr. Bot. Zhur. 22(5):97-100. 1965. 450 J821J
- 73153 POSPISIL, V. Salutation of Doc. Dr. Jan Smarda on his sixtieth birthday. (Cz) Brno. Moravske Mus. Cas. Vedy Prirodn. 50:335-336. 1965. 510 B836
- 73154 PROFESSOR Dr. Hans Moritsch. (Ge) Zentralbl. Bakteriell. Parasitenk. Infekkrank. Hyg. Abt. I, Orig. 199(2):140-143. 1966. 448.3 C33
Includes list of publications.
- 73155 PROFESSOR Dr. h. c. Valentin Horn, on his 65th birthday. (Ge) Prakt. Tierarzt 47(5):254, 256. May 1, 1966. 41.8 P882
- 73156 PROFESSOR Dr. Karl Trautwein is 70 years old. (Ge) Prakt. Tierarzt 47(5):252. May 1, 1966. 41.8 P882
- 73157 ROBINSON, V. E. "Miss Caroline" prima donna of the plant world. Forests People 16(2):30-31. Second Q. 1966. 99.8 F7628
Caroline Dorman.
- 73158 RURIK Pihkala will be 80 years old. (Sw) Svinet 57:9-10. July 1965. 46.8 Sv32
- 73159 SANVICTORES chosen "Lumberman of the year." Lumberman [Manila] 12(1):80. Dec. 1965/Jan. 1966. 99.81 L9793
Jose G. Sanvictores.
- 73160 SCHELLNER, Dr. H. Hoffmann of "Asid" is 70 years old. (Ge) Tierarztl. Umsch. 21(5):247-248. May 1, 1966. 41.8 T445
- 73161 SCHULZE, K. H. Karl Stockmann is 70 years old. (Ge) Landtech. Forsch. 16(2):64. 1966. 58.8 L2332
- 73162 SCHUTZLER, G. Dr. Hullmuth Kortum is 75 years old. (Ge) Deut. Tierarztl. Wochenschr. 73(6):141-142. Mar. 15, 1966. 41.8 D482
- 73163 60 YEARS old. (Sw) Skogsbruket 35(10):287. 1965. 99.8 Sk59
Carl Einar Bjorksten.
- 73164 SKRYNNIKOVA, I. N. A. A. Rode, (70th birth anniversary and 45th anniversary of scientific activity). (Rus) Pochvovedenie 4:90-94. Apr. 1966. 57.8 P34
- 73165 SWAMINATHAN, M. S. Dr. B. P. Pal, first Director-General of Agricultural Research. Indian Farming 15(3):4-6, 30-31. June 1965. 22 In283
- 73166 WAHLEN, H. Max Buri 1868-1915. (Ge) Grune 93(52):1864-1874. Dec. 24, 1965. 17 Sch9
- 73167 WEDEL, K. VON. Christian Freiherr von Seebach (1793-1865); on the 100th anniversary of his death. (Ge) Forstarchiv 37(3):74-78. Mar. 1966. 99.8 F7723
- 73168 WEKRE, E. Sverre Fredriksen is dead. (No) Meieriposten 55(16):356-357. Apr. 23, 1966. 44.8 M47
- 73169 WELS, A. Prof. Dr. h. c. V. Horn is 65 years old. (Ge) Berliner Munchener Tierarztl. Wochenschr. 79(7):139-140. Apr. 1, 1966. 41.8 B45
- 73170 WHO'S who in agricultural engineering Mr. W. J. West. Farm Impl. Mach. Rev. 92(1093):561-562. May 1, 1966.
- 73171 WILLIAM F. Geddes Memorial Award. Cereal Sci. Today 11(3):111. Mar. 1966. 59.8 C333
Presented to Frank R. Schwain, for work in flour research.
- 73172 WOLF, W. Klaus Groth and the wild flowers of his homeland. (Ge) Schleswig-Holstein 3:78-79. 1966. 110 Sch3
Klaus Groth as a botanist.

Checklist of names of persons appearing as subjects of preceding biographical articles:

Aarskog D	73103	Khrebtov A A	73143
Adler S	73112	Kleen N R	73151
Archibald J G	73139	Kortum H	73162
Asland O J	73145	Krizenecky J	73148
Berge O	73144	Laur E	73107
Bjorksten C E	73163	Liaros D S	73128
Buri M	73166	Macdonald J	73123
Burr G	73120	Maignon F	73109
Davis W	73132	Markevich A P	73138
Dorman C	73157	Mendel J G	73149
Drake C J	73117		73152
Eriksson E	73119	Miller L I	73113
Fredriksen S	73168	Moritsch H	73154
Frye J B	73122	Nilsen H	73114
Garjeanne A J M	73115	Pal B P	73165
Groth K	73172	Partanen J	73124
Haak D	73135	Pihkala R	73158
Hallgren W	73134	Rehn J A G	73100
Hammond Sir J	73167	Rode A A	73164
Hicks F W	73098	Sakalo D I	73133
Hiorth G J	73140	Salokangas A	73096
Hoffmann H	73160	Sanvictores J G	73159
Horn V	73155	Schulze K H	73104
	73169	Schulze M	73118
Huddleson M P	73137		73121
Imhoff P	73111	Schwain F R	73171
Jandolo E	73099	Seebach C	73125
Janeczek A	73141	Freiherr von	
Jannes J	73127	Shirley H L	73106
Jansson K	73129	Skeie L	73136
Jones M	73126	Smarda J	73153
Kayser W	73142	Stedje O	73146

- Stockmann K 73161
 Strausbaugh P D 73105
 Tabentskii A A 73150
 Trautwein K 73130
 73131
 73156
 Van Werde A S 73097
- Volker R 73102
 West W J 73170
 Westhues M 73110
 Wiingreen H 73147
 Zerov D K 73101
 Zunker M 73108
 73116

HISTORY

- 73173 LIEBENBERG, O. Twenty years of progressive agrarian science—development to productive capacity. (Ge) Tierzucht 20(4):178-182. Apr.1966. 49 T443
- 73174 MOBERG, C. A. The introduction of agriculture in Scandinavia. (Sw) Skogs- Lantbruksskads. Tidskr. 104(6):416-430, map. Ref. 1965. 104 Sw3
 English summary.
- 73175 PATINO, V. M. Historia de la actividad agropecuaria en America equinoccial [History of the agricultural activity of equinoctial America]. Cali, 1965. 601 p. S471.A4P3
 Bibliography, p.533-584.
- 73176 WHITLOCK, R. A short history of farming in Britain. London, John Baker, 1965. 246 p. S455.W5

HOME MANAGEMENT

- 73177 ALASKA. UNIVERSITY. EXTENSION SERV. How many yards to upholster? to slipcover? Alaska. Univ. Ext. Ext. Bull. 52, rev., 5 p. Feb. 1965. 275.29 AL13Eb
- 73178 BRYAN, E. L. 1966 home management. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:58-59. 275.29 AL1Su
 Extension programs.
- 73179 CHURCH, H. L. Why rip that Levi leg to mend it? Ariz. Univ. Ext. Folder 120, 6 p.—folder. Jan.1966. 275.29 Ar42Ext
 Text also in Spanish.
- 73180 MILLER, E. L., and MIDDLETON, R. Hospitality hints: coffees, punch, teas. Kans. State Univ. Ext. C-362, 11 p. Feb.1966. 275.29 K13Ex
- 73181 MILLER, E. L., and TINKLIN, G. L. Hospitality hints: coffees, punch, teas. Kans. State Univ. Ext. C-363, 15 p. Feb.1966. 275.29 K13Ex
- 73182 PAYNE, M. A. Hooked rugs. Va. Polytech. Inst. Ext. Bull. 268, rev., 7 p. Feb.1966. 275.29 V81B
- 73183 PEAVY, A. Specialist's suggestions for county programs and plans: home furnishing. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:62-63. 275.29 AL1Su
 Extension programs.
- 73184 QUESENBERRY, E. P. Low-income homemakers respond to traditional extension teaching methods. Ext. Serv. Rev. 37(4):6-7, 15. Apr.1966. 1 Ex892Ex
 Indiana.
- 73185 ROBERTS, H. L. Lining a dress skirt. Wash. State Univ. Ext. E. M. 2614, 3 p. Mar.1966. 275.29 W27Mi
- 73186 ROBERTS, H. L. Making a jiffy overall patch. Wash. State Univ. Ext. E. M. 357, rev., 2 p. Mar.1966. 275.29 W27Mi
- 73187 STARKEY, W. M. Pictures in your home. Kans. State Univ. Ext. C-359, 8 p. Feb.1966. 275.29 K13Ex
- 73188 STRAWN, B. Today's soaps and detergents. PNW (Pacific Northwest Coop. Ext.) Bull. 36, rev., 15 p. Apr.1966. 275.29 W27Pn
 Joint publication of the Extension Services of Washington, Oregon, and Idaho.
 In connection with home management.
- 73189 THOMPSON, K. Clothing and handicraft. Auburn Univ. Ext. Suggestions Annu. County Ext. Program 1966:70-71. 275.29 AL1Su
 Extension programs.
- 73190 WASHINGTON. STATE UNIVERSITY. EXTENSION SERV. Personal data sheet—state dress revue information. Wash. State Univ. Ext. E. M. 682, rev., 2 p. Feb.1966. 275.29 W27Mi
 For 4-H Club.

INTERNATIONAL RELATIONS

- 73191 FRANCE. DIRECTION DE LA DOCUMENTATION. Les formes actuelles de la cooperation internationale [The current forms of international cooperation]. France. Dir. Doc. Notes Etudes Doc. 3284, 36 p. Apr.22, 1966. 280.9 F843
 Includes cooperation in the field of agriculture.
- 73192 LASSENIUS, T. Ten years of scientific-technical co-operation between the Soviet Union and Finland. (Sw) Pap. Puu 48(3):81-88. Mar.31, 1966. 302.8 P1991
 English summary.
 Includes agriculture and forestry.
- 73193 STATUS and course of Japan-Republic of Korea economic cooperation. 158 p. (GUO 1126) Transl. 15907
 Includes agricultural cooperation.
 Translation of Nichiban Keizai Kyoryoku no hoku to Sono Haikai.
 CFSTI: \$5.00.

METEOROLOGY

- 73194 BALASUBRAMANIAN, C. Droughts in the monsoon months of June to December at Coimbatore and their agricultural significance. Madras Agr. J. 52(2):72-79. Feb.1965. 22 M262
- 73195 CHEN, M. J. A preliminary analysis of the agro-climate of the Chinling region, Western Shensi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 260:68-89, map. Ref. Dec.14, 1965. 173 J663Tcco
 Translation from Ti Li Hsueh Pao 30(3):248-258. 1964.
 Issued by CFSTI.
- 73196 GLOYNE, R. W. A method for calculating the angle of incidence of the direct beam of the sun on a plane surface of any slope and aspect. Agr. Meteorol. 2(6):401-410. Dec.1965. 340.8 Ag8
- 73197 HAIRETES, K. Losses in agricultural production from calamities. (Gre) Delt. Agrotikes Trapezes 143:24-25. Mar./Apr.1965. 21.7 D38
 Storms and weather hazards.
- 73198 HANSEN, L. O. You can survive tornadoes. Iowa Farm Sci. 20(10):5-8, map. Apr.1966. 275.28 I94
- 73199 RENARD, K. G., and OSBORN, H. B. Rainfall intensity comparisons from adjacent 6-hour and 24-hour recording rain gages. Water Resources Res. 2(1):145-146. First Q.1966. 292.8 W295

PERSONNEL

- 73200 U. S. AGRICULTURAL RESEARCH SERV. ARS guide to work simplification. Washington, 1966. 40 p. aHF5547.A5

RESEARCH

- 73201 BENCSIK, I. Tasks of science in the development of agriculture in the Eszak-Tiszanul. (Hu) Debreceni. Agrartud. Foisk. Tud. Uleszakanak. Eloadasi 1964:15-36. 105.9 D354
 German summary.
- 73202 BRADY, N. C. What is happening to industry-university cooperation—dawn or sunset? Agr. Ammonia News 16(3):56-59. May/June 1966. 381 Ag82
 In agricultural research.
- 73203 CHIN, S. P. Agricultural scientific research activities in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 165:1-4. Mar.31, 1965. (JPRS 29,359; TT 65-30619) 173 J663Tcco
 Translation from Chung-kuo Hsin Wen, Feb.12, 1965:13-14.
 Issued by CFSTI.

- 73204 DEBRECEN. AGRARTUDOMANYI FOISKOLA. A Debreceni Agrartudományi Főiskola 1964. majus 26-27-28-an tartott tudományos ülésszakának előadásai [Lectures given at the scientific meeting of the College of Agrarian Science in Debrecen, held May 26-28, 1964]. Debrecen, 1964. 342 p. Ref. 105.9 D354 German summaries.
- 73205 HAUSSMANN, G. Agricultural research in difficulties of function and method. (It) G. Agr. 76(20):225-226. May 15, 1966. 16 It1G Includes letter from G. Goidanich.
- 73206 INDIAN AGRICULTURAL RESEARCH INSTITUTE. Bibliography of IARI publications 1905 to 1963; scientific contributions from IARI, by N. N. Chatterji. New Delhi, 1965. 204 p. Z5075.I415
- 73207 INSTITUTO DE INVESTIGACIONES AGROPECUARIAS. Primera memoria anual [First annual report of the Institute for Agricultural Research], 1964-1965. Santiago, Chile, 1965. 103 p. S193.I5
- 73208 LIN, C. H. Design of laboratory building at Chungking Municipal Institute of Agricultural Science. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 176:1-11, map. May 5, 1965. (JPRS 29,933; TT 65-30917) 173 J663Tccc
Translation from Chien Chu Hsueh Pao 11-12: 14-16. Dec. 25, 1964.
Issued by CFSTI.
- 73209 LUR'YE, L., and KUSNETSOV, S. Use of gamma radiation units. (Rus) Vestnik Sel'skokhoz. Nauk [Moscow] 2:108-110. Ref. Feb. 1966. 20 V633
English summary.
In agricultural research.
- 73210 MILOJIC, B. Agricultural scientific research in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:1-8. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Chiefly work of institutes and history.
Translation from Poljoprivreda 2:49-54. Feb. 1966.
Issued by CFSTI.
- 73211 MURESAN, T., and others. Recent activities of Rumanian agricultural research institutes. 9 p. (JPRS 29,683; TT 65-30784) Transl. 15118
M. Stefanescu, V. Popa, D. Toma, and L. Bran, joint authors.
Translation from Agricultura Socialista 3(9): 8-9. Mar. 4, 1965.
CFSTI: \$1.00.
- 73212 NORGES LANDBRUKSVITENSKAPLEIGE FORSKNINGSRAD. Årsmelding [Annual report of the Agricultural Scientific Research Commission of Norway], 1965. Gjøvik, 1965. 121 p. 11 N765
- 73213 PAL, B. P. The IARI [Indian Agricultural Research Institute] completes 60 years. Indian Farming 15(1):20-23, 29. Apr. 1965. 22 In283 Research.
- 73214 PAL, B. P. Reorganization of agricultural research in India. Indian Farming 15(7):5, 7, 22. Oct. 1965. 22 In283
Indian Council of Agricultural Research.
- 73215 PORTUGAL. MISSAO DE ESTUDOS AGRONOMICOS DO ULTRAMAR. Relatório anual [Annual report of the Mission of Overseas Agricultural Studies], 1964. Lisboa, 1965. 86 p. 15.5 P836
Research in various branches of agriculture.
- 73216 SIKKA, S. M. Agricultural research needs to be intensified. Indian Farming 15(7):11, 13, 41. Oct. 1965. 22 In283
Indian Council of Agricultural Research.
- 73217 SMITH, R. L. Near-silent machine at Texas A & M is helping revolutionize Texas agriculture. Cotton Dig. 38(38):20. May 21, 1966. 286, 82 C822
Data processing equipment for research.
- 73218 SUBRAMANIAM, C. India on the eve of breakthrough in agriculture. Indian Farming 15(8): 7-8. Nov. 1965. 22 In283
Indian Council of Agricultural Research.
- 73219 SUBRAMANIAM, C. 60 years of agricultural research. Indian Farming 15(1):4-7. Apr. 1965. 22 In283
Indian Agricultural Research Institute.
- 73220 UPPSALA LANTBRUKSHOGSKOLAN. Lantbrukshogskolans forsöksledarmöten [The research worker's meeting at the Agricultural College], 1965. I-IV. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 73, 36 p.; 74, 57 p.; 75, 94 p.; 76, 56 p. Ref. 1965. 11 Up62A
- 73221 VIRGINIA. AGRICULTURAL EXPERIMENT STATION. Proceedings of the tenth staff conference. Va. Agr. Exp. Sta. Bull. 569, 51 p. Dec. 1965. 100 V81S
- 73222 WHITE, D. G. Criteria for biological research to improve agriculture in less developed countries. BioScience 16(4):255-259. Ref. Apr. 1966. 500 Am322A

STATISTICS

- 73223 FUGE, G. The main requirement made of agrarian statistics by the 11th plenary meeting: a wider scope of information and analysis is needed. (Ge) Statist. Praxis 21(2):49-53. Feb. 1966. 251.8 St25
- 73224 PADMANABHAN, M. Some comments on a methodology. Indian Textile Bull. 11(6):xiii-xv. Sept. 1965. 304.8 In25
Applied in agriculture.
- 73225 SZEDERKENYI, H. Comparison of the level of agricultural production. (Hu) Statist. Szemle 44(3):279-288. Mar. 1966. 266.5 St2M
English summary.
Statistical method.

NEW PERIODICALS AND SERIALS

- A.G.; REVISTA DE AGRICULTURA Y GANADERIA. v.6, No. 20. Mar./Apr. 1965. Madrid, Consejo General de Colegios Oficiales de Peñeros Agrícolas de España. 15 Ag88
- AGRONOMIA. No. 1. Sept./Oct. 1965. Caracas, Sociedad Venezolana de Ingenieros Agrónomos. S15.A36
- AMERICAN GOAT SOCIETY. AGS year book. v. 12. 1963. Kansas City, Mo. 40.19 Am3
- AUSTRALIA. BUR. OF AGRICULTURAL ECONOMICS. Beef research report. No. 1. Aug. 1965. Canberra. HD9433.A8A3
- ASIA FOUNDATION. Program bulletin. Sept. 1965. San Francisco. DS1.A8
- APPLIED ENTOMOLOGY AND ZOOLOGY. v. 1, No. 1. Mar. 1966. Tokyo, Japanese Society of Applied Entomology and Zoology. SB599.A6
- AUSTRALIAN BEEF AND LAMB SUMPOSIUM, MELBOURNE, 1965. Papers. 1965. Sydney. HD9433.A8A8

- CENTRO DI AZIONE LATINA. SEZIONE ECONOMICA. STUDI E INFORMAZIONI SULL'AMERICA LATINA. v. 5, No. 11/12. Nov./Dec. 1964. Milano. HC121.A1C4
- CHAMBRE DE COMMERCE, D'AGRICULTURE ET D'INDUSTRIE (TOGO). Bulletin periodique. May 10, 1966. Lomé. HF3914.T6C5
- CHOVATEL. v. 5, No. 2. Feb. 1966. Brno. SF1.C45
- EL COOPERATIVISTA. v. 1, No. 1. Mar. 1966. Guayaquil. HD3478.A2C6
- CREDITANSTALT-BANKVEREIN. Die österreichischen Bundesländer. Sonderheft. No. 1. Dec. 1965. Wien. HC261.C7
- DAIRY HERD MANAGEMENT. v. 1, No. 2. Dec. 1965. Minneapolis, Minn. SF191.D3
- DAS LEBEN. ZEITSCHRIFT FÜR BIOLOGIE UND LEBENSCHUTZ. v. 2, No. 4. 1965. Hamburg, Weltbund zum Schutze des Lebens. 279.8 L49

- ECONOMIC PLANNING; JOURNAL FOR AGRICULTURE AND RELATED INDUSTRIES. v.1, No.1. Sept./Oct.1965. HD1785.A1
- EDUCOM. v.1, No.1. Jan.1966. Ann Arbor, Interuniversity Communications Council. Q223.A1E3
- EXETER, UNIVERSITY. DEPT. OF AGRICULTURAL ECONOMICS. Occasional paper. No.1. Oct.1965. Newton Abbot, Devon. HD1925.E9
- EXTENSAO RURAL. v.1, No.3. Mar.1966. Rio de Janeiro, Associacao Brasileira de Credito e Assistencia Rural. S544.5.B7E9
- FLORESTA. v.1, No.5. Sept.1965. Guatemala City. S15.F55
- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Commodity reports. New Series. No.1. 1966. Rome. SB4.F6
- GREAT BRITAIN. WATER POLLUTION RESEARCH BOARD. Water pollution research. 1964, pub.1965. London. 292.9 G79R
- ILLINOIS. DEPT. OF AGRICULTURE. DIV. OF LIVESTOCK AND POULTRY INDUSTRY. News bulletin. Sept./Oct.1965. Springfield, Ill. SF13.I314
- INAGRO; REVISTA DE INVESTIGACIONES AGRONOMICAS. No.1. 1964. Buenos Aires. S15.I5
- INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS (SPAIN). ESTACION DE MECANICA AGRICOLA. Recoleccion de forraje. No.1. 1965. Madrid. S695.A1I5
- INSTITUTUL AGRONOMIC DR. PETRU GROZA. Lucrari stiintifice. Seria medicina veterinara si zootehnie. v.20. 1964, pub.1965. Cluj. SF604.I5
- JOURNAL OF VETERINARY SCIENCE OF THE UNITED ARAB REPUBLIC. v.1, No.2. 1964, pub.1965. Cairo, National Information and Documentation Centre. SF604.J6
- JOURNAL OF ZOOLOGY. v.146. Sept.1965. London, Zoological Society of London. 410.9 L84P
- MONTERREY, MEXICO. INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES. ESCUELA DE AGRICULTURA Y GANADERIA. Boletin. No.1. Monterrey. S539.M6M6
- MONTEVIDEO, UNIVERSIDAD, FACULTAD DE AGRONOMIA. Boletin. No.72. 1964. Montevideo. 102.5 M76B
- NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Bulletin A.D. No.16. 1965. Sydney. SF55.N45A3
- R.A.S.E. [ROYAL AGRICULTURAL SOCIETY OF ENGLAND] REVIEW. v.1, No.1. Dec.1964. London. 10 R817
- REVISTA DE REFERATE SI RECENZII. BIOLOGIE. No.1. Jan.1965. Bucuresti, Academia Republicii Populare Romine, Centrul de Documentare Stiintifica. 241.7 R322
- SBORNIK UVTI. Meliorace. v.1. May 1965. Praha, Ustav Vedeckotechnickych Informaci MZLVH. TC801.S25
- SCIENCE AND TECHNOLOGY IN JAPAN. v.1. 1966. Tokyo, Asahi Evening News. Q1.S3
- SCOTLAND. DEPT. OF AGRICULTURE AND FISHERIES. Advisory bulletin. No.1. 1965. Edinburgh. 10 Sco82A
- SEL'SKAYA NOV. Jan.1966. Moskva, Ministerstvo Sel'skogo Khozyaistva SSSR. S13.S4
- SERICICULTURA. v.1. 1965. Bucuresti, Consiliul Superior al Agriculturii. SF451.S4
- SOUTH AFRICA. BUR. OF STATISTICS. Sensus van groot- en kleindistribusiehandel, 1960-1961. Deel 1: Groothandelaars. Verslag. Census of wholesale and retail distributive trade, 1960-61. Part 1: Wholesalers. Report. No.1. 1966. Pretoria. HF5349.S6A2
- SUDENE INFORMA. v.1, No.1. Sept.21, 1962. Recife, Superintendencia do Desenvolvimento do Nordeste. HC186.A1S9
- SWAZILAND. DEPT. OF AGRICULTURE. RESEARCH DIV. Annual report. 1963/64, pub. 1965. Malkerns. S338.S9S9
- U. S. SOIL CONSERVATION SERV. Soil Survey interpretations for woodland conservation, Mississippi. Progress report. No.1. 1965. Jackson, Miss. aS591.A1
- VSESOYUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. Sbornik aspirantskikh rabot. No.1. 1961. Moskva. SF1.V7
- WEED RESEARCH ORGANIZATION. Technical report. No.1. 1964. Kidlington. SB613.G7W4
- WHITE HOUSE CONFERENCE ON NATURAL BEAUTY, WASHINGTON, D. C. 1965. Beauty for America; proceedings. Washington, U. S. Government Printing Office. QH77.U5W48
- WORLD VETERINARY POULTRY ASSOCIATION. [Compte rendu]...Congres international. No.3. 1965. Paris. SF995.W6
- PARANA, BRAZIL (STATE) UNIVERSIDADE FEDERAL. ESCOLA DE AGRONOMIA E VETERINARIA. Revista. v.1. Aug.1965. Curitiba. S539.B7P3
- NURSERY BUSINESS. v.10, No.11. Nov.1965. Washington. 80 S827
- NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. Bulletin P. No.178. 1964. Sydney. 23 N47Bp

TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the personal and subject indexes.

No copies are available for distribution. Photocopies may be ordered from the Library.

ADAMOVICH, E. I. Resinous cavities in *Juniperus communis* L. 3 p. Transl. 15877
Translation from *Lesnoi Zhurnal* 4(4):159-161. 1960.

ADAMOVICH, E. I. Resinous cavities in *Thuja occidentalis*. 2 p. Transl. 15876
Translation from *Botanicheskii Zhurnal* 49 (3):403-404. 1964.

AFRUTKIN, SH. Development of rural demand. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 90:55-61. July 12, 1965. (JPRS 31,042; TT 65-31540) 173 J663Tro

Translation from *Sovetskaya Potrebiteľ'skaya Kooperatsiya* 4:51-53. Apr.1965.

AGBAANSODOB, N. Agitation must be popularized. U. S. Joint Publ. Res. Serv. Transl. Mongolia 94:14-16. Dec.30, 1965. (JPRS 33,553; TT 65-34127) 173 J663Tmo

Translation from *Namyn Am'dral* 8:19-21. Aug.1965.

AGBAANSODOB, SH. Deputy chairman of state farms administration on the tasks of the state farms. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:19-20. Apr.25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo

Translation from *Sotsialist Hoddo Aj Ahui*, Jan.1, 1966:3.

AIMI, R. Cell-physiological study on the function of roots. IV. Active supply of oxygen from the leaves of rice plants into their roots. 10 p. Transl. 15875

Translation from *Crop Science Society of Japan. Proceedings* 29(1). Sept.1960.

- AKHMELI, G. The Alazanskaya irrigation system. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:51-52. Apr. 5, 1965. (JPRS 29,423) 173 J663Tso
Translation from Zarya Vostoka, Nov. 25, 1964:1.
- AKZHANOV, A. A. Study of the elements of technique of irrigation through long furrows. 10 p. Transl. 15008
Translation from Tatarskaya Sel'skokhozyaistvennaya Akademiya. Doklady 87:101-109. 1963.
- ALEKSEEV, A. V. Improving the resistance to wear of planing blades. 9 p. Transl. 14370
Translation from Derevoobrabatyvayushchaya Promyshlennost' 6(7):13-16. 1957.
- ALEKSEEVSKII, E. E. Reclamation tasks for 1966. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:26-32. May 9, 1966. (JPRS 35, 391; TT 66-31827) 173 J663Tso
Translation from Gidrotehnika i Melioratsiya 2:1-6. Feb. 1966.
- *ALIKHANYAN, S. I. Johan Gregor Mendel. Microbiology 34(4):633-637. July/Aug. 1965. 448.3 M582Ae
- *ANGERT, L. G., MIKHAILOVA, G. N., and KUZ'MINSKII, A. S. The role of oxygen in the mechanical plasticization of rubber. Polymer Sci. U.S.S.R. 7(5):843-850. Ref. 1965. 381 P763
- ANGHEL, G., and GUTESCU, I. Principal means for increasing the contribution of the cooperative sector to the development of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food. Indus. 435:58-74. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from Probleme Economice 19(2):68-81. Feb. 1966.
- ANTONOV, S. Progress and plans for further development of the meat and dairy industry of the USSR. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 11:12-21. Mar. 28, 1966. (JPRS 34,746; TT 66-31185) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 3:7-8. Jan. 1966.
- ANTONOV, T. Prospects for development of economic and trade relations between Bulgaria and the United Arab Republic (UAR). U. S. Joint Publ. Res. Serv. Transl. East. Europe. Foreign Trade 268:11-19. Mar. 28, 1966. (JPRS 34,749; TT 66-31188) 173 J663Tree
Translation from Vunshna Turgoviya 1:14-16. Jan. 1966.
- ARTAMONOV, A., and VINOGRADOV, S. More efficient and careful handling of eggs needed in the RSFSR. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:75-80. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 48:29. Nov. 1964.
- AVERBUCH, V. L., and BERLIN, I. Z. Protection of grain products from radioactive, chemical and bacterial substances discussed. 14 p. (JPRS 25,250; TT 64-31555) Transl. 14123
Translation from Kak zashchitit' khlebo produkty ot radioaktivnykh, khimicheskikh veshchestv i bakterial'nykh sredstv 1963:26-40.
- AVRAAMOVA, A. The problem of appraising labor in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 105:45-49. May 9, 1966. (JPRS 35,390; TT 66-31826) 173 J663Tou
Translation from Voprosy Ekonomiki 12:147-149. Dec. 1965.
- *BABAK, N. M. Azotobacter chroococcum and Azotobacter galophilum in saline soils of the flood-plain of the river Prut. Microbiology 34(4):602-606. Ref. July/Aug. 1965. 448.3 M582Ae
- BADALYAN, V. S., and ATABEKYAN, E. A. Presowing treatment of tomato seeds with the purpose of increasing their drought resistance and yielding capacity. 3 p. (OTS 63-11036) Transl. 14534
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya. Biologicheskii i Sel'skokhozyaistvennye Nauki 5:97-99. 1958.
- *BAGDASARYAN, E. G. Formation of vitamin B12 by soil bacteria. Microbiology 34(3):430-433. May/June 1965. 448.3 M582Ae
- BALJINMYAM, B. MPR minister of agriculture discusses the fourth Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:21-23. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Sotsialist Hodoo, Aj Ahui, Jan. 1, 1966:2.
- BALJINNYAM, B. Achievements of agricultural artel members. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:1-3. May 2, 1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Translation from Unen, Feb. 21, 1966:2.
- BALOMIRI, E. Achievements and long-range measures in the field of animal husbandry in Rumania. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:22-29. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Revista de Zootehnie si Medicina Veterinara 1:5-10. Jan. 1966.
- BARTOS, L. Clamping and driving device for rotating logs on wood peeling machines. 4 p. Transl. 15902
Translation from Germany. (Federal Republic). Deutsches Patentamt. Auslegeschrift 1:164,636. Mar. 5, 1964.
- BAUMAN, L., and TOLKUSHKIN, V. The calculation of territorial variation in state retail prices. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 90:74-84. July 12, 1965. (JPRS 31,042; TT 65-31540) 173 J663Tro
Translation from Vestnik Statistiki 4:31-39. Apr. 1965.
- BAYLOV, F. The price system in agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:18-23. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Translation from Otchetnost i Kontrol 4:180-182. Apr. 1966.
- BERNARD, V. V., and GELLER, I. T. The effect of gamma-rays on some groups of soil microflora. 15 p. Ref. (OTS 63-26958) Transl. 15344
Translation from Agrobiologiya 4:610-616. 1962.
- BIANU, I., and MARGHIDAN, N. Transport modernization on cooperative farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:75-79. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from Viata Economica 12:6. Mar. 1966.
- BIENIAS, T. Factors hampering rural construction. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:116-121. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Zycie Gospodarcze 13:5. Mar. 1966.
- BOGDANOVIC, M. Internal organization of agricultural cooperatives under workers' management. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:46-62. Mar. 28, 1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Translation from Tehnika 3:537-543. Mar. 1966.
- BORISENKO, A., and PRONIN, A. National-economic value of melioration of water-logged lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:1-13. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 10:94-102. Oct. 1964.
- BORODICH, M. Quality, reliability, and durability of Gomel' agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:14-17. Aug. 25, 1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 28:40. July 14, 1965.

- BOYEV, V. High quality products give better returns to kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57: 5-10. Jan. 6, 1965. (JPRS 28,145) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 40:31. Oct. 1964.
- BRADOSCHE, P. The development of forest roads. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 441:24-27. May 19, 1966. (JPRS 35,599; TT 66-32034) 173 J663Ste
Translation from Muncitorul Forestier 18 (626):1-2. Mar. 30, 1966.
- BRONSHTEIN, E. V. Simplified method for calculation of the results of biochemical and agrochemical analyses. 6 p. Transl. 14098
Translation from Moscow. Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Doklady 84:253-260. 1963.
- BUCZYNSKI, R., and KWASIEBORSKI, J. Problems of animal husbandry in 1966-1970 in Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432:11-19. Apr. 18, 1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
Translation from Zycie Gospodarcze 21(12): 4. Mar. 1966.
- *BUDYKO, M. L., and GANDIN, L. S. On the theory of evaporation in the presence of vegetative cover. Soviet Hydrol. Selec. Pap. 3:290-296. 1965. 292.8 So8
- BURLAKOV, N. An economic appraisal of the various breeds of milk cows. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:38-52. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:92-100. 1964.
- BURSKI, A. Main employment problems during the next Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 557:17-22. Mar. 22, 1966. (JPRS 34,668; TT 66-31107) 173 J663Tre
Translation from Rada Narodowa 6:3-6. Feb. 1966.
- BUSUIOCEANU, M. Increased efficiency in the use of bank control in support of state agricultural farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:122-124. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Gazeta Finantelor, Feb. 9, 1966:1-2.
- BUTKOVIC, M. The 20-year development of forestry in Croatia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:129-146. Ref. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Sumarski List 11/12:475-488. Nov./Dec. 1965.
- BUTOZAN, V. Current problems of the association of veterinarians and veterinary technicians of Yugoslavia in connection with the economic reform. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:40-52. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Veterinarski Glasnik 2:75-83. Feb. 1966.
- BUZDIN, I. The meat industry in the first half of 1964. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:24-28. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Myasnaya Industriya SSSR 5:5-6. 1964.
- BYKOV, V. Profit and profitability indices in kolkhozes. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:68-72. Apr. 5, 1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 1: 31. Jan. 1965.
- CH'AI, P. C. Primary report on intercropping of cotton and wheat in southern Shansi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 159:6-13. Mar. 15, 1965. (JPRS 29,107; TT 65-30506) 173 J663Tcco
Translation from Chung-kuo Nung Yeh K'o Hsueh 5:48-50. 1964.
- CHANG, H. W. Advancement in the study of organic nitrogen fixation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 270:60-74. Ref. Dec. 27, 1965. (JPRS 33,486; TT 65-34060) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 8:705-713. Aug. 1965.
- CHANG, K. On the objective standards in setting seasonal differential in the price of agricultural products. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 9:31-35. Nov. 10, 1965. (JPRS 32,793; TT 65-33371) 173 J663Trf
Translation from Ching Chi Yen Chiu 9:34-37. Sept. 20, 1965.
- CHANG, W. T., and YANG, K. H. Transportation and the expansion of agricultural production. U. S. Joint Publ. Res. Serv. Transl. Communist China's Transp. Commun. 1:1-5. July 29, 1964. (JPRS 25,638; TT 65-21910) 173 J663Tcct
Translation from Jen-min Jih-pao, June 6, 1964:5.
- CHANG, Y. C. Further strengthen support to rural areas. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 177:6-8. Mar. 22, 1966. (JPRS 34,664; TT 66-31103) 173 J663Er
Translation from Nodong Sinmun, Feb. 12, 1966:1.
- CHANG, Y. P. Let us get more water and control water better. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. 177:9-12. Mar. 22, 1966. (JPRS 34,664; TT 66-31103) 173 J663Er
Translation from Nodong Sinmun, Feb. 14, 1966:2.
- CHE JEN. A green fertilizer crop for sugar cane fields. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 73:6-8. Aug. 17, 1965. (JPRS: 31,588; TT: 65-32084) 173 J663Tcf
Translation from Hsueh K'o Hsueh 2:6-7. Feb. 1965.
- CHEBOTAREV, R. S. On the history of medical and veterinary parasitology. 7 p. (JPRS 34,947; TT 66-31385) Transl. 15938
Translation from Ocherki po istorii meditsinskoi-veterinarnoi parazitologii 1965:3-8, 192.
- CHEN, M. J. A preliminary analysis of the agro-climate of the Chinling region, Western Shensi. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 260:68-89, map. Ref. Dec. 14, 1965. 173 J663Tcco
Translation from Ti Li Hsueh Pao 30(3):248-258. 1964.
- CH'EN, T. P. The use of soil algae to improve soil fertility. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135: 33-40. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:43-46. Feb. 7, 1964.
- CH'EN YUNG-KUEI. The revolutionary determination of Ta-chai. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 22:3-13. Dec. 30, 1964. (JPRS: 28,051) 173 J663Tcf
Translation from Jen Min Shou Ts'e, Oct. 1964:83-87.
- CH'EN, Y. K., and others. Research on the cultivation measures and diagnosis from the seedling ecology of a high-yield late-grown non-glutinous rice (*Oryza sativa*). U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:1-24. Ref. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
C. L. Ts'ui, L. C. Yang, and Y. K. T'ang, joint authors.
Translation from K'o Hsueh T'ung Pao 12: 1037-1050. Dec. 17, 1964.
- CHERNENKO, S. A., and GORSHKOVA, N. A. A new method for diffusion-dyeing of birch wood. 5 p. Transl. 15878
Translation from Derevoobrabatvyayushchaya Promyshlennost' 13(7):23-25. 1964.
- CHERNYKH, E. A proposed classification for irrigation systems. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 79:8-13. June 25, 1965. (JPRS 30,793) 173 J663Tso
Translation from Narodnoye Khozyaystvo Sredney Azii 1:36-38. 1965.

- CH'I, C. S. Farmland protective forest symposium for north China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:150-152. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 12: 1125. Dec. 1964.
- CHIANG, C. C. Insect-killing electric lamps for agricultural use. 8 p. Transl. 15486
Translation from Dianshijie 16(8/II):325-326. Aug./Nov. 1963.
- *CHIBISOV, A. K., KARYAKIN, A. V., and ZUBRILINA, M. E. Flash photooxidation of chlorophyll. Russ. J. Phys. Chem. 39(9):1224-1225. Ref. Sept. 1965. 385 Z63Ae
- CHIMED, D. Questions of development of lumber industry. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:17-18. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Hodolmor, Jan. 22, 1966:3.
- CHIN, H. C. First all-China plant-seed migration and taming symposium. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:155-157. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 12: 1127. Dec. 17, 1964.
- CHIN, S. P. Agricultural scientific research activities in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 165:1-4. Mar. 31, 1965. (JPRS 29,359; TT 65-30619) 173 J663Tcco
Translation from Chung-kuo Hsin Wen, Feb. 12, 1965:13-14.
- CHINA AGRICULTURAL BANK. Problems of rural financing in China. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 29:1-6. Jan. 28, 1965. (JPRS 28,511) 173 J663Ttram
Translation from Nung Ts'un Chin Jung 12: 13-16. Sept. 21, 1964.
- CHOWJILJAB, SH. The flourishing of agriculture. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:8-11. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Hodolmor, Feb. 3, 1966:2.
- CHON, T. Y. Labor administration in rural economy. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 175:14-22. Feb. 28, 1966. (JPRS 34,307; TT 66-30748) 173 J663Er
Translation from Kulloja 21:14-20. Nov. 5, 1965.
- CHOU, M. C. The trace-element molybdenum in agro-chemistry and soil chemistry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:27-44. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Translation from T'u Jang T'ung Pao 4:43-49. Aug. 1964.
- CHOU, T. T. Kwangtung Provincial Academy of Agricultural Sciences. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 146:21-24. Feb. 11, 1965. (JPRS 28,719; TT 65-30311) 173 J663Tcco
Translation from Chung-Kuo Hsin Wen, Dec. 31, 1964:21-22.
- CHU, H. C. Selective breeding process of Su-tao No. 1, a late Keng rice. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136:28-31. Jan. 15, 1965. (JPRS 28,321; TT 65-30138) 173 J663Tcco
Translation from Chung Kuo Nung Yeh K'o Hsueh 10:42-43. 1963.
- CHU, M. F. The physical characteristics of several layers of paddy soil aggregates in the Tai-hu Lake areas. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:7-21. Ref. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Translation from T'u Jang T'ung Pao 4:11-16.
- CHU, N. S. Dry land geography symposium at Lanchow. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:158-161. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 12: 1128-1129. Dec. 1964.
- COMMISSION ON RURAL AFFAIRS. Education and rural development. U. S. Joint Publ. Res. Serv. Transl. S. East Asia 89:23-31. July 27, 1965. (JPRS 31,255; TT 65-31752) 173 J663Trso
Translation from Lao Presse 4106-4109:C1-C4, C1-C3. June 26, 1965.
- COSTA, A. G. Contribution to the use of X-rays in the discovery of hidden attacks of insects on cereals. 3 p. Transl. 14807
Translation from Broteria 27(3):117-120. 1958.
- COSTES, C., and DEROCHÉ, M. E. Heterogeneity of carotenoids in green leaves. 8 p. Transl. 15935
Translation from Academie des Sciences. Comptes Rendus 261:4893-4896. 1965.
- CURCIO, M. Ultrasonics and ultra-short waves in the campaign against insects injurious to tobacco. 14 p. Transl. 14968
Translation from Tobacco 54:14-23. Jan. 1950.
- CVETKOVIC, V. Yugoslavia as an importer of agricultural food products. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 268:36-59. Mar. 28, 1966. (JPRS 34,749; TT 66-31188) 173 J663Tree
Translation from Problemi Spoljne Trgovine 3:37-52. May/June 1965.
- CZAJKOWSKI, S., and PUCZEK, L. Directive tasks of state machine stations in Poland. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 428:19-32. Mar. 29, 1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from Mechanizacja Rolnictwa 15(3):5-15. Feb. 1966.
- CZERWINSKI, P. Polish foreign trade during 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East Europe Foreign Trade 196:21-31. Dec. 8, 1964. (JPRS 27,731) 173 J663Tree
Translation from Gospodarka Planowa 10:12-16. Oct. 1964.
- DAM, N. Tay Bac grows its own vegetables. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 229:3-5. Mar. 29, 1966. (JPRS 34,795; TT 66-31234) 173 J663Trn
Translation from Nhan Dan, Feb. 15, 1966:2.
- DAMDIN, P. Industries built in our country with the USSR help. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:10-13. May 2, 1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Translation from Unen, Jan. 8, 1966:2-3.
- *DAVIY, K. A. Changes in the chemical properties of salinized virgin soils as a result of cultivation. Soviet Soil Sci. 8:887-892. Ref. Aug. 1965. 57.8 P34Ae
- DEMBEREL, TS. Vital tasks of water conservancy. U. S. Joint Publ. Res. Serv. Transl. Mongolia 107:28-30. Apr. 25, 1966. (JPRS 35,162; TT 66-31599) 173 J663Tmo
Translation from Unen, Dec. 5, 1965:2.
- DESYATOV, V. Material incentive for improvement of the quality of State farm animal husbandry products. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 66:1-8. May 4, 1965. (JPRS 29,891) 173 J663Tso
Translation from Voprosy Ekonomiki 2:24-28. Feb. 1965.
- *DEVYATOV, A. S. Evolution of alluvial soils on the floodplain of the Ilovlya River. Soviet Soil Sci. 8:911-921. Ref. Aug. 1965. 57.8 P34Ae
- DLJKSTRA, R. J. Advantages and disadvantages of plastic drain pipes and drain tiles; a literature survey. 12 p. Ref. Transl. 14543
Translation from Landbouwdocumentatie 20 (19):659-669. May 9, 1964.
- DISCUSSION of problems of irrigation and land reclamation at the February Plenum of the Central Committee CPSU [Kommunisticheskaya Partiya Sovetskogo Soyuza, Tsentral'nyi Komitet]. 23 p. (JPRS 25,309; TT 64-31589) Transl. 14186
Translation from Gidrotekhnika i Melioratsiya 4:3-21. 1964.
- *DMITRIEV, E. A. Determining the percentage of different areas on soil maps and certain other maps. Soviet Soil Sci. 8:964-972, map. Aug. 1965. 57.8 P34Ae

- DMITRIEV, K. Irrigation for pasture lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 79:4-7. June 25, 1965. (JPRS 30,793) 173 J663Tso
Translation from Kolkhozno-Sovkhoznoe Proizvodstvo 3:25-26. 1965.
- DOBREV, G. New funds on cooperative farms. U. S. Joint Publ. Res. Serv. Transl. East Europe Agr. Forest. Food Indus. 440:12-17. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Translation from Otchetnost i Kontrol 4:178-180. Apr. 1966.
- DOJUTREK, T. The organization of intra-circle machine bases (MBM). U. S. Joint Publ. Res. Serv. Transl. East Europe Agr. Forest. Food Indus. 441:1-9. May 19, 1966. (JPRS 35,599; TT 66-32034) 173 J663Ste
Translation from Mechanizacja Rolnictwa 7:8-11. Apr. 1/15, 1966.
- DOKOV, D. The Zhrebchevo water power system. U. S. Joint Publ. Res. Serv. Transl. East Europe Agr. Forest. Food Indus. 437:1-22, map. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Stroitelstvo 11:13-19. Nov. 1965.
- *DOLOTOV, V. A. Principles of the classification of arable soils. Soviet Soil Sci. 8:922-928. Ref. Aug. 1965. 57.8 P34Ae
- DOMINIK, T., NESPIAK, A., and PACHLEWSKI, R. Investigations on mycotrophy of plant associations of the upper timber zone in the Tatra. 18 p. (OTS 61-11330) Transl. 14831
Translation from Acta Societatis Botanicorum Poloniae 23(3):487-504. 1954.
- DONCEA, C. Contracts as an important factor in orienting agricultural production. U. S. Joint Publ. Res. Serv. Transl. East Europe Agr. Forest. Food Indus. 434:14-16. Apr. 26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
Translation from Scienteia, Mar. 20, 1966:1,3.
- *DRAKINA, T. I. Plant growth stimulators produced by Taphrina fungi. Microbiology 34(4):607-610. Ref. July/Aug. 1965. 448.3 M582Ae
- DROZD, M., MARTINI, Z., and PANTERA, B. The influence of soil particles displacement due to cultivator on soil erosion in mountainous areas. 7 p. (OTS 61-31256) Transl. 14293
Translation from Wroclaw. Wyzsza Szkola Rolnicza. Zeszyty Naukowe 17:23-33. 1958.
- DUC, T. Promote the technological revolution in agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:79-95. Apr. 21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:68-80. Feb. 1966.
- DUONG QUOC CHINH. Achievements in 1964 agricultural production. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 150:2-6. Mar. 8, 1965. (JPRS 29,025) 173 J663Trn
Translation from Quan Doi Nhan Dan 1462:4. Jan. 7, 1965.
- ERIKSSON, L., and NOREN, B. The effect of moisture changes on the deformation of wood with tension in the fibre direction. 17 p. Ref. Transl. 15879
Translation from Holz als Roh- und Werkstoff 23(5):201-209. May 1965.
- ERVAL'D, A. Preparations for spring agricultural season. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:16-18. Apr. 27, 1966. (JPRS 35,213; TT 66-31650) 173 J663Tsi
Translation from Pravda Vostoka, Feb. 8, 1966:4.
- *EVREINOVA, T. N., and others. Effect of temperature on nucleic acids of the thermophilic and mesophilic variants of *Micromonospora vulgaris*. Microbiology 34(3):346-352. Ref. May/June 1965. 448.3 M582Ae
I. A. Tsaplina, N. S. Agre, and I. M. Davydova, joint authors.
- FARKOWSKI, C. The situation in agricultural land turnover in Poland. U. S. Joint Publ. Res. Serv. Transl. East Europe Agr. Forest. Food Indus. 434:1-6. Apr. 26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
Translation from Nowe Rolnictwo 5:13-16. Mar. 1966.
- FARMERS', foresters', and fishermen's almanac, 1966. 42 p. S414.N63
Translation of Nosangyoka no Koyomi.
- FEDOROV, V. V. Improving the system of planning indices in the textile industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:81-84. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Tekstil'naya Promyshlennost' 12:13-14. 1964.
- FERSHTAT, N. Need to improve sowing, cultivation and maintenance of equipment in cotton growing. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 265:4-9. Apr. 7, 1966. (JPRS 34,954; TT 66-31392) 173 J663Tsi
Translation from Pravda Vostoka Mar. 2, 1966:2.
- FEY, H. Pathogenesis of colibacillary septicemia in the calf. 10 p. Ref. Transl. 14824
Translation from Bulletin Officiel International des Epizootiques 32(62). 1964.
- FEY, H., and others. Colostrum prophylaxis of experimental colicapsis in calves. 15 p. Ref. Transl. 14823
A. Margadant, J. Nicolet, and G. Hunyady, joint authors.
Translation from Schweizer Archiv fur Tierheilkunde 105(7):361-370. 1963.
- FILIMONOV, S. S. A reliable means of reducing the sinking of small softwood logs. 4 p. Transl. 15219
Translation from Lesnaya Promyshlennost' 4:17-18. 1964.
- FILIP, F. Yugoslav trade with the United Arab Republic. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 273:65-78. Apr. 19, 1966. (JPRS 35,121; TT 66-31558) 173 J663Tree
Translation from Problemi Spoljne Trgovine i Konjunktura 5/6:53-59. Sept./Dec. 1965.
- FONSHTEIN, L. M. Radiosensitivity of wheat plant progeny as influenced by gamma irradiation of the parent seed. 6 p. Ref. (JPRS 23,734; OTS 64-21819) Transl. 15333
Translation from Akademiya Nauk SSSR. Doklady 153(4):933-935. 1963.
- FROLOV, A. Directives of the 23rd Congress of the CPSU to the food industries. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 115:5-8. Apr. 28, 1966. (JPRS 35,231; TT 66-31668) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 9:17. Mar. 1966.
- FUNATSU, M., and others. Studies on utilization of castor pomace for an animal feed. I. Detoxification of castor pomace. 18 p. Ref. Transl. 15932
K. Murase, M. Matsuoka, T. Takahashi, M. Ishiguro, S. Okamoto, and I. Goto, joint authors.
Translation from Kyushu University. Faculty of Agriculture. Science Bulletin 20(3):247-258. Mar. 31, 1963.
- GACESA, I. Yugoslav agreements with Hungary. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 272:10-15. Apr. 18, 1966. (JPRS 35,088; TT 66-31526) 173 J663Tree
Translation from Medjunarodni Transport 2:45-47. Feb. 1966.
- *GALIKKEEV, KH. L. Biochemical activity of extracts prepared from nonpathogenic fungi isolated from the atmospheric air. Microbiology 34(4):627-629. July/Aug. 1965. 448.3 M582Ae
- GAPONENKO, G. Economic conditions for a boosting of agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 73:10-27. June 2, 1965. (JPRS 30,369) 173 J663Tso
Translation from Planovoe Khozyaistvo 5:1-12. 1965.
- GAPONENKO, G. On democratic centralism in agricultural planning. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:26-36. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Planovoe Khozyaistvo 1:18-25. Jan. 1965.

- GARIBYAN, E. M., and PAPAZYAN, M. I. Combined regime fermentation of tobacco. 4 p. (TT 64-10601) Transl. 15339
Translation from Tabak 21(1):49-51. 1960.
- GEHRING, F. Investigations into the progress of a bacterial disease of carnations caused by *Pectobacterium parthenii* (Starr) Hellmers var. *dianthicola* Hellmers, and into the enzymatic properties of this bacterium in comparison with *Pseudomonas caryophylli* (Burkholder) Starr et Burkholder and a few typical pathogens of soft rot. 37 p. Ref. Transl. 14945
Translation from Phytopathologische Zeitschrift 43(4):383-407. 1962.
- GEHRING, F. About a simple method of detection of *Pectobacterium parthenii* (Starr) Hellmers var. *dianthicola* Hellmers and *Pseudomonas caryophylli* (Burkholder) Starr et Burkholder in carnation plants with help of a selective nutrient medium. 6 p. Transl. 14936
Translation from Nachrichtenblatt des Deutschen Pflanzenschutzdienstes 13(11). Nov. 1961.
- GENCHEV, G. The law of value and the forming of prices of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 439:6-22. May 13, 1966. (JPRS 35,487; TT 66-31923) 173 J663Ste
Translation from Novo Vreme 4:14-25. Apr. 1966.
- GERBER, A. The embryonic and postembryonic pterylosis of the Alectoromorphae. 43 p. Transl. 14854
Translation from Revue Suisse de Zoologie 46(7):161-324. 1939.
- GHIETIE, V., and BUZILA, L. Plant cryoproteins. 11 p. Transl. 14455
Translation from Academia Republicii Populare Romine. Institutul de Biochimie. Studii si Cercetari de Biochimie 5:65-72. 1962.
- GILLWALD, W., and EICHLER, H. The problem of RF-vacuum drying of lumber. 10 p. Transl. 15881
Translation from Holztechnologie 5(3):161-167. 1964.
- GIRSHGORN, M. S., and KHAL'KOVSKIY, N. V. Prospects for developing chemical fibers and using them in light industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:59-68. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Tekstil'naya Promyshlennost' 11:5-11. 1964.
- GLUSHCHENKO, I. E. Vegetative hybridization of eggplant and cabbage. 30 p. Ref. (TT 64-14432) Transl. 15341
Translation from Agrobiologiya 6(132):854-869. 1961.
- GODNEV, T. N., KALER, V. L., and ROTFARB, R. M. The presence of phytol in the composition of protochlorophyll of etiolated leaves. 4 p. Ref. (TT 63-16720) Transl. 15337
Translation from Akademiya Nauk SSSR. Doklady 140:1445-1447. 1961.
- GOLOVA, O. P., and others. A new method for complex chemical treatment of plant tissues. 27 p. Ref. (TT 64-13585) Transl. 15340
Ya. V. Epshtein, V. N. Sergeeva, A. I. Kalnin'sh, P. N. Odintsov, N. S. Maksimenko, and V. G. Panasyuk, joint authors.
Translation from Gidroliznaya i Lesokhimi-cheskaya Promyshlennost' 7:4-8. 1961.
- *GONCHAR, A. I. Apparatus for automating the computation of liquid surface runoff. Soviet Soil Sci. 8:973-976. Aug. 1965. 57.8 P34Ae
- GORYACHKIN, M. I. Economic problems involved in the creation of new agricultural equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:4-8. Apr. 27, 1966. (JPRS 35,213; TT 66-31650) 173 J663Tsi
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 1:2-4. Jan. 1966.
- GOSCHIK, E. Peasant trade cooperatives facing new tasks. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 438:9-10. May 10, 1966. (JPRS 35,434; TT 66-31870) 173 J663Ste
Translation from Presse-Informationen 32:6. Mar. 16, 1966.
- GROMYKHIN, P. S. From animals to man. p. 21-33. (JPRS 26,589; TT 64-41847) Transl. 14596
Translation from Kniga o Zdorov'e Truzhenikov Sela 1963:162-174.
- GROSSMANN, H. Results of the permanent large-scale inventories carried out in the entire forest area during 1963 and 1964 in East Germany. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 428:1-9. Mar. 29, 1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from Die Sozialistische Forstwirtschaft 16(3):84-86. Mar. 1966.
- GRUNIN, K. YA. On the bot flies (Diptera, Hypodermatidae) parasitic in *Gazella subgutturosa* Gueld. 5 p. (TT 62-15629) Transl. 15156
Translation from Entomologicheskoe Obozrenie 35:716-723. 1956.
- GRUZIN, V. Medical observation of tractor operation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:35-37. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Bakinskii Rabochii Dec. 31, 1965:2.
- GUBIN, V. Sound: a possible medium of communication in the honey bee colony. 4 p. Transl. 14367
Translation from Pchelovodstvo 40(7):25-27. 1963.
- GUNTHER, S. A practical method of staining microsporidia. 2 p. Transl. 14062
Translation from Zeitschrift fur Pflanzenkrankheiten und Pflanzenschutz 64:139-140. Mar. 1957.
- *GUSENKOV, YE. P., and KALACHEV, B. A. Soil investigations in arid regions. Soviet Soil Sci. 8:871-879. Ref. Aug. 1965. 57.8 P34Ae
- *GUSEV, M. V., and VASIL'KOVA, E. I. Changes in the pigment composition and content of blue-green algae in the presence of supplementary sources of carbon and nitrogen. Microbiology 34(3):408-412. May/June 1965. 448.3 M582Ae
- GUSEV, V. M., and GUSEVA, A. A. The habitats and mass reproduction of *Ixodes frontalis* in Daghestan. 6 p. (TT 64-15650) Transl. 15160
Translation from Zoologicheskii Zhurnal 39(7):1096-1099. 1960.
- GUZHVIN, P. Increased agricultural production claimed to result from cost-accounting and planning. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 125:10-13. May 26, 1966. (JPRS 35,727; TT 66-32162) 173 J663Tso
Translation from Pravda, Mar. 28, 1966:4.
- GYORI, M. Hungary's meat production and the domestic meat supply. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:6-24. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from Kozgazdasagi Szemle 3:302-314. Mar. 1966.
- HA KE TAN. Hydraulic works for two years. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 150:7-9. Mar. 8, 1965. (JPRS 29,025) 173 J663Trn
Translation from Quan Doi Nhan Dan 1463:4. Jan. 9, 1965.
- HALVORSEN, B. Wood studies in connection with water driving. 11 p. Transl. 14365
Translation from Norsk Skogindustri 17(11):468-477. Nov. 1963.
- HARASIM, E. Economic evaluation of the export of foodstuffs—Poland. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Foreign Trade 219:6-15. Apr. 9, 1965. (JPRS 29,519) 173 J663Tree
Translation from Handel Zagraniczny 2:60-64. Feb. 1965.
- HERDEA, V. Scientific research in animal husbandry and poultry raising. 9 p. (JPRS 25,215; OTS 64-31542) Transl. 14129
Translation from Lupta de Clasa 4:69-83. Apr. 1964.
- HESSE, K. R. The postembryonic pterylosis in pigeon races of different size. 48 p. Transl. 14853
Translation from Z. Morph. u. Okol. Tiere 45:616-655. 1957.

- HORIGUCHI, H. Studies on the control of the first generation rice stem borer by the soil application of r-BHC in paddy field. 89 p. Ref. Transl. 15883
Translation from Tohoku, National Agricultural Experiment Station, Research Report 30. 1964. (Appendix)
- HOU, H. Y. China's principal forest types, their geographical distribution and economic uses. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 4:1-26, map. Dec. 9, 1965. (JPRS 33,258; TT 65-33833) 173 J663Tt
Translation from Ti Li 4:147-153. July 27, 1965.
- HSIANG, N. An inspection report on the mechanization of our agriculture. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 95:14-29. Jan. 11, 1966. (JPRS 33,691; TT 66-30135) 173 J663Tcf
Translation from Chung-kuo Nung Yeh Chi Hsieh, 11-20. May 1965.
- HSU, C. Rural reforms at Tashiht'a. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 12:77-81. Sept. 22, 1965. (JPRS 32,097; TT 65-32590) 173 J663Trh
Translation from Hung Ch'i 9:55-57. Aug. 21, 1965.
- HSU, K. H. Application of bacteria fertilizer in the Northeast. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135: 20-32. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:33-38. Feb. 7, 1964.
- HSU, H. K. Research on absorption of nitrogen and phosphates as sustenance by spiked-millet. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:1-6. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Translation from T'u Jang T'ung Pao 4:8-10. Aug. 1964.
- HSU, Y. Engage extensively in the comprehensive use of lumber and in the chemical industry for lumber production. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:9-16. July 1, 1960. (JPRS 3920; SS 1062) 173 J663Trh
Translation from Hung Ch'i 13:20-24. July 1, 1960.
- HUANG, P. W. Measures for developing agricultural production and the study of natural conditions of farmlands. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 5:1-14. Feb. 14, 1966. (JPRS 34,121; TT 66-30563) 173 J663Tt
Translation from Ti Li 5:203-206. Sept. 27, 1965.
- HUAN, V. Q. Introduction of small machines into agriculture. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:96-108. Apr. 21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:81-89. Feb. 1966.
- IMANGAZIEV, K. I., and AGISHEV, M. KH. Determination of the reserve of assimilable phosphates in soils using P³² phosphorus isotope. 14 p. Ref. (JPRS 29,457; TT 65-30663) Transl. 14958
Translation from Akademiya Nauk Kazakhskoi SSR. Vestnik 12:15-24. 1964.
- *IMSHENETSKII, A. A., and others. Pavel Andreevich Agatov (in commemoration of his sixtieth birthday). Microbiology 34(4):648-649. July/Aug. 1965. 448.3 M582Ae
YA, I. Rautenshtein, T. B. Kazanskaya, and M. N. Bekhtereva, joint authors.
- INOUE, K., and OKAJIMA, S. Studies on lowering of swelling degree of rayon. XIII. X-ray investigation of heat-treated rayons. 19 p. Ref. Transl. 14452
Translation from Society of Textile and Cellulose Industries, Japan. Journal 19(2):113-119. 1963.
- ISHIZUKA, Y., and HAYAKAWA, Y. Resistance of rice plant to the imochi disease (rice blast disease) in relation to its silica and magnesia contents. 21 p. Ref. Transl. 15815
Translation from Journal of the Science of Soil and Manure 21:253-260. 1951.
- IVANOV, YU. M. Diffusion into the cell walls of wood. 21 p. Ref. Transl. 15884
Translation from Akademiya Nauk SSSR. Institut Lesa i Drevesiny. Trudy 65:3-19. 1963.
- JAM'YAN, B. The policy always pursued by the MPRP regarding the livestock breeding taxes. U. S. Joint Publ. Res. Serv. Transl. Mongolia 97:26-30. Jan. 24, 1966. (JPRS 33,859; TT 66-30302) 173 J663Tmo
Translation from Dzaluuchudyn Unen Oct. 17, 1965:2-3.
- JEN, H. P. A good seed planted will yield a thousand good grains for food. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 172:61-63. Apr. 19, 1965. (JPRS 29,641; TT 65-30762) 173 J663Tcco
Translation from Hsueh K'o Hsueh 8:13. 1964.
- JORDAN, R. Relations between egg size and the rate of laying. 2 p. Transl. 14450
Translation from Bienenvater 82:132-134. May 1961.
- KAGAN, YU. S. Toxicology of organic phosphorus insecticides and industrial hygiene during their use. 5 p. (JPRS 23,168; TT 64-21530) Transl. 14219
Translation from Toksikologiya fosfororganicheskikh insektitsidov i ghyena truda pri ikh primenenii 1963:287-291, 326.
- KAISOV, A. N. The problem of finding the main parameters of future row-crop tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 264: 9-15. Mar. 23, 1966. (JPRS 34,686; TT 66-31125) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 1:17-18. Jan. 1966.
- KALININ, YU. The life of a tractor and its depreciation. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:23-25. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Rossiya Jan. 26, 1966:2.
- KALINOV, Z. Production of sunflowers. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:1-6. May 4, 1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
Translation from Kooperativno Zemedelie 3:1-2. Mar. 1966.
- *KALININA, V. A. Preliminary interpretation of soils on aerial photographs in compiling large-scale soil maps. Soviet Soil Sci. 8:945-953. Ref. Aug. 1965. 57.8 P34Ae
- KALUPOV, I., and GEORGIEV, K. Structure of the veterinary service in the Bulgarian People's Republic. 5 p. (JPRS 35,102; TT 66-31539) Transl. 15930
Translation from Veterinarna Sbirka 62(12): 21-24. Dec. 1965.
- KAMALOV, G. KH., and SYURIN, V. N. Sensitivity of laboratory animals and of the tissue culture to the Aujeszky's disease virus. 4 p. Ref. Transl. 14299
Translation from Veterinariya 41(6):23-24. June 1964.
- KAMNEV, V. V. Use of solar energy in agriculture. 4 p. (OTS 63-11055) Transl. 14327
Translation from Sel'skoe Khozyaistvo Povolzh'ya 2:91-93. Feb. 1960.
- KAMURA, T., and TAKAI, Y. Transformation of iron compounds in paddy soils. III. Role of micro-organisms in the reduction process of ferric-iron. 12 p. Ref. Transl. 14844
Translation from Journal of the Science of Soil and Manure 31(10). 1960.
- KANTOR, L. M. Price determination in the USSR. 181 p. (JPRS 34,385; TT 66-30825) HB235.U4K33
Translation of Tsenoobrazovanie v SSSR.
- *KARASEVICH, YU. N., and BATURINA, M. V. Deadadaptation of yeasts (*Candida tropicalis*) adapted to L-arabinose. Microbiology 34(4): 586-588. July/Aug. 1965. 448.3 M582Ae
- KARPENKO, YU. F. Defects in the fermentation of cigar tobaccos and bakuns. 7 p. Transl. 15283
Translation from Tabak 5:16-18. 1939.

- KARPOV, G. K. State farm insurance. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 27:42-47. Apr. 6, 1966. (JPRS 34,920; TT 66-31358) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 5:18. Feb. 1966.
- *KASATKINA, I. D., and ZHELTOVA, E. G. On methods of selecting *Aspergillus niger* mutants with altered capacity to synthesize organic acids. Microbiology 34(3):438-444. May/June 1965. 448.3 M582Ae
- *KASK, R. P. Qualitative evaluation of agricultural land in the Estonian SSR. Soviet Soil Sci. 8:954-963. Ref. Aug. 1965. 57.8 P34Ae
- KASSIROV, L. Procurement of kolkhoz and sovkhoz products. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:1-11. May 9, 1966. (JPRS 35,391; TT 66-31827) 173 J663Tso
Translation from Voprosy Ekonomiki 1:37-46. Jan. 1966.
- KASZOWSKI, S. The quantitative method of evaluating rabbit pelts. 55 p. Ref. (OTS 60-21578) Transl. 14300
Translation from Roczniki Nauk Rolniczych. Ser. B, 71(3):469-533. 1957.
- KAURICHEV, I. S., and NOZDRUNOVA, E. M. Role of components of water-soluble organic matter in the formation of complex iron-organic compounds. 5 p. (TT 65-50063) Transl. 14969
Translation from Moscow. Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Doklady 52:65-70. 1960.
- KEMPF, W. Pasting temperature of various kinds of starch. 17 p. Transl. 15006
Translation from Brot und Gebäck 10(11):233-238. 1965.
- KEYLWERTH, R. The hot pressing of wood. 10 p. Transl. 15887
Translation from Holz als Roh- und Werkstoff 22(11):413-418. 1964.
- KHLEBNIKOV, V. It is essential that all reserves be utilized in order to increase productivity of labor in grain farming. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:11-20. Apr. 5, 1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 11:16-22. Nov. 1964.
- *KHMEL', I. A., GABINSKAYA, K. N., and IERUSALEMSKII, N. D. Growth and nitrogen fixation of *Azotobacter vinelandii* under different aeration conditions. Microbiology 34(4):597-601. Ref. July/Aug. 1965. 448.3 M582Ae
- KHODZHAYEV, A. Reorganization of the Uzbek food industry under the principle of the branch administration industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 112:9-12. Mar. 31, 1966. (JPRS 34,837; TT 66-31276) 173 J663Tro
Translation from Ekonomika i Zhizn' 12:39-41. Dec. 1965.
- KIANGSU PROVINCIAL SUPPLY AND MARKETING COOPERATIVE. The several ways of applying the industry-agriculture duo-labor system. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 50:10-14. July 21, 1965. (JPRS 31,198; TT 65-31695) 173 J663Tram
Translation from Lao Tung 12:10-12. Dec. 18, 1964.
- KIRIN PROVINCIAL TRANSPORTATION RESEARCH INSTITUTE. Technical standard of rural roads for agricultural mechanization. U. S. Joint Publ. Res. Serv. Transl. Communist 9:1-7. Apr. 7, 1965. (JPRS 29,477) 173 J663Tcct
Translation from Kung Lu 12:20-22. Dec. 20, 1964.
- KLUYVER, A. J., and PERGUIN, L. H. C. Concerning the conditions of kojic acid formation by *Aspergillus flavus* Link. 17 p. Transl. 15776
Translation from Biochemische Zeitschrift 266:82-95. 1933.
- KLUYVER, A. J., and PERGUIN, L. H. C. On the method of investigation of change of mold metabolism. 16 p. Transl. 15776
Translation from Biochemische Zeitschrift 266:68-81. 1933.
- KNIGGE, W. Investigations on the dependency of the average density of North American Douglas fir [*Pseudotsuga menziesii*] stems of different growth conditions. 15 p. Ref. Transl. 14941
Translation from Holz als Roh- und Werkstoff 20:352-360. 1962.
- KLYUIKOV, V., and LAZARENKO, G. The strengthening of the economy of specialized farms. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:6-13. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:58-62. Sept. 1964.
- KOEHLER, G. The state of seed and planting stock propagation in East Germany. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:16-21. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Die Deutsche Landwirtschaft 3:121-123. Mar. 1966.
- KOENIG, D. P. New experiments with the fertilization of tobacco in Germany. 1. 10 p. Ref. Transl. 14962
Translation from Revue Internationale des Tabacs, p. 84-86. n. d.
- KOEV, K. Standardization in Bulgaria 1944-1964. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 422:13-23. Jan. 6, 1965. (JPRS 28,158) 173 J663Tre
Translation from Ratsionalizatsiya i Standartizatsiya 9:20-23. Sept. 1964.
- *KOGAN, R. M., and others. Determination of water equivalent of snow cover by method of aerial gamma-survey. Soviet Hydrol. Selec. Pap. 2:183-187. 1965. 292.8 So8
M. V. Nikiforov, S. D. Fridman, V. P. Chirkov, and A. F. Yakovlev, joint authors.
- KOLESNEV, S. Stimulation of agricultural production. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 99:22-26. Feb. 3, 1966. (JPRS 33,979; TT 66-30422) 173 J663Tou
Translation from Ekonomicheskaya Gazeta 48:38. Dec. 1965.
- KOLESNIKOV, P. A. The biochemical aspects of respiration and photosynthesis. 8 p. Ref. (TT 63-19283) Transl. 15281
Translation from Vsesoyuznaya Konferentsiya po Problemam Fotosinteza. Doklady 2:346-352. 1959.
- KOLLE, G. Use of the Kraft spot test method in plant culture for determining nicotine in green tobacco plants. 8 p. Transl. 15286
Translation from Zuchter 31(6):263-265. 1961.
- KOLOMITSEVA, M. G. Content level of certain micro-elements (iodine, fluorine, cobalt, and copper) in local food products of the Altai Mountains. 5 p. (TT 63-24382) Transl. 15356
Translation from Voprosy Pitaniya 20(6):55-58. 1961.
- KOMATSU, N. Effect of the varied amount of phosphate fertilizer on the maturity of bright leaf tobacco. 1. 14 p. Ref. Transl. 14964
Translation from Journal of the Science of Soil and Manure 24:268-270. 1954.
- KOMATSU, N. Effect of the varied amount of phosphate fertilizer on the maturity of bright leaf tobacco. 2. 10 p. Transl. 14963
Translation from Journal of the Science of Soil and Manure 24:331-333. 1954.
- KONDRATENKO, R. Effectiveness of the use of plastics in agriculture. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 64:21-28. Apr. 5, 1965. (JPRS 29,423) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 11:62-66. Nov. 1964.
- KOROBOV, A. Certain problems in the national economic plan for 1965. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 173:12-35. Mar. 16, 1965. (JPRS 29,127) 173 J663Sove
Translation from Planovoe Khozyaistvo 1:1-17. Jan. 1965.
- KOROLEV, R. P., and KHAFFIZOV, F. A. New cotton industry fabrics. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 71:5-7. Dec. 28, 1964. (JPRS 27,991) 173 J663Tro
Translation from Tekstil'naya Promshlennost' 8:11-13. 1964.

- GAPONENKO, G. The basic problems in developing agriculture during the new Five-Year Plan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 125:14-26. May 26, 1966. (JPRS 35,727; TT 66-32162) 173 J663Tso
Translation from Planovoe Khozyaistvo 3: 1-10. Mar. 1966.
- KOROTONOSHKO, N. Increased production of new vehicles. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:3. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Moskovskaya Pravda, Mar. 23, 1966: 2.
- KOS'KO, F. A., and others. Measures taken in the most dangerous foci of infections. 4 p. Transl. 14539
Sh. S. Shmulevich, I. N. Shchastlivyi, and V. S. Zarovnyi, joint authors.
Translation from Veterinariya 41(9):7-9. Sept. 1964.
- *KOSMACHEV, A. E., and others. Conditions of culturing and isolation of an antibiotic from the thermophilic *Actinomyces* T-12/3. Microbiology 34(3):369-372. May/June 1965. 448.3 M582Ae
Yu. M. Khokhlova, G. Ya. Kalmykova, I. M. Prosn'yakova, and L. N. Sergeeva, joint authors.
- *KOST, A. N., and others. A fluorescent method for the separate determination of ergot alkaloids and tryptophan. J. Anal. Chem. USSR 20(8):918-922. Ref. Aug. 1965. 385 Z65Ae
T. V. Koronelli, R. R. Lideman, and R. S. Sagitullin, joint authors.
- KOSTADINOV, G. Wages in agriculture under the new system. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:6-11. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Translation from Otchetnost i Kontrol 4:168-172. Apr. 1966.
- KOTAS, D., and SAVENKO, I. Experience of CEMA countries in construction of rural electric lines. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 196:12-20. Dec. 8, 1964. (JPRS 27,731) 173 J663Tree
Translation from Revista Internacionala Pen-tru Agricultura. 4:9-13. July/Aug. 1964.
- KOVALENKO, YA. R., BURBA, L. G., and SIDOROV, M. A. Pathologic-anatomic changes in cases of African swine fever. 7 p. Transl. 14538
Translation from Veterinariya 41(6):35-40. June 1964.
- KOZICH, P. Measures to improve the system of procurements and deliveries of livestock to industry. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 73:28-36. June 2, 1965. (JPRS 30,369) 173 J663Tso
Translation from Myasnaya Industriya SSSR 2:58-60. 1965.
- *KOZLOV, V. P. Apparatus for studying rain-storm erosion of soils. Soviet Soil Sci. 8:977-930. Aug. 1965. 57.8 P34Ae
- KRALIN, P. I. Biological theory of plant nutrition and fertilization of fields. 13 p. Transl. 14725
Translation from Sel'skoe Khozyaistvo Kazakhstana 12(4):32-35. Apr. 1964.
- KRASENKO, T. Tractor overhaul in Kirgiziya. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:20-22. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Kirgiziya Dec. 16, 1965: 1.
- KRASNOPIVTSEV, A. Streamlining of procurement prices for kolkhoz products advocated. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:45-49. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 5:31. Feb. 1965.
- KRETOVICH, V., and TOKAREVA, R. Interaction between amino acids and sugars at elevated temperatures. 17 p. Ref. Transl. 15262
Translation from Biokhimiya 13(6):508-515. 1948.
- KUCHAEVA, A. G., and EGOROVA, S. A. About the penetration of antibiotics into perennial plants. 10 p. Transl. 14530
Translation from Mikrobiologiya 24(3). 1955.
- KUGATOVA-SHEMYAKINA, G. P., and others. New plant growth stimulants. 8 p. (JPRS 29,463; TT 65-30669) Transl. 14956
V. A. Rudenko, G. P. Smirnova, A. I. Grechushnikov, L. M. Mishurovskaya, D. A. Agakishiyev, L. A. Pen'kov, and V. F. Ushakova, joint authors.
Translation from Akademiya Nauk SSSR. Doklady 160(4):960-963. 1965.
- *KUKSA, I. N., and ORLEANSKII, V. Development of scientific research on nitrogen-fixing blue-green algae and their practical use in agriculture. Microbiology 34(4):641-645. July/Aug. 1965. 448.3 M582Ae
- KULIKOV, N. S., and AKRAMOVSKII, M. N. Antibiotic treatment of European fowlbrood. 4 p. (TT 64-19255) Transl. 15417
Translation from Veterinariya 40(4):56-57. 1963.
- KUO, T. Y., YANG, P. Y., and WANG, T. C. Recent development in China of irrigation using city waste water. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 170:27-46. Apr. 14, 1965. (JPRS 29,597; TT 65-30740) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 2:134-141. Feb. 1965.
- KURENNOI, M. N. On the flight activity and sexual performance of drones. 4 p. Transl. 14417
Translation from Pchelovodstvo 31(12):24-28. Dec. 1954.
- KURSA NOV, A., DZHEMUKHADZE, K., and ZAPROMETOV, M. Condensation of tea leaf catechols during oxidation. 26 p. Ref. Transl. 15282
Translation from Biokhimiya 12(5):421-436. 1947.
- KUSTER, E. The effect of centrifuging on the viscosity of living protoplasm. 3 p. Transl. 14357
Translation from Kolloid Zeitschrift 89(2): 237-238. 1939.
- KUTYURIN, V. M., and KNYAZEV, V. P. Water content in chlorophyll a and b. 5 p. Ref. (TT 63-18601) Transl. 15355
Translation from Akademiya Nauk SSSR. Doklady 149(2):456-459. 1963.
- KUZNETSOV, G. The orderly production of work on regional planning. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:20-32. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:76-84. Sept. 1964.
- *KUZNETSOV, V. V. Method of soil-melioration mapping based on aerial methods. Soviet Soil Sci. 8:880-886. Ref. Aug. 1965. 57.8 P34Ae
- LACZYNSKA-HULEWICZ, T., and MACKIEWICZ, T. Pollen fertility and pollen tube growth in diploid and tetraploid red clover. 11 p. Ref. Transl. 14416
Translation from Zuchter 33(1):11-17. 1963.
- LAM QUANG HUYEN. The building of central rice regions in the North. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:12-35. Mar. 2, 1965. (JPRS 28,960) 173 J663Trn
Translation from Nghien Cuu Kinh Te 24:23-30. Dec. 1964.
- LAN, T. C. Relationship between accumulation and distribution of glucose in wheat and its ability to winter. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136: 17-27. Jan. 15, 1965. (JPRS 28,321; TT 65-30138) 173 J663Tcco
Translation from Chung Kuo Nung Yeh K'o Hsueh 10:8-12.
- LANGERON, M. Outline of mycology. 426 p. QK601.L33
Translation of *Precis de Mycologie*, ed. 2, pt. 1.
- LANGNER, W. Some test results of the in-breeding problem during forestry seed production. 10 p. Ref. Transl. 15899
No source of translation given; presented to Section 22, of International Union of Forest Research Organizations in Vienna, 1961.

- LASHUK, G. I. The effect of transplantation on the synthesis of alkaloids in different species of the genus *Nicotiana*. 7 p. Transl. 15265
Translation from Akademiya Nauk SSSR. Doklady 60:1357-1359. 1948.
- LAVRENKO, YE. M., and YURATOV, A. A. Fifty years of the All-Union Botanical Society [Vsesoyuznoe Botanicheskoe Obshchestvo]. 62 p. Ref. (JPRS 33,673; TT 66-30117) Transl. 15786
Translation from Botanicheskii Zhurnal 9: 1205-1247. Sept. 1965.
- LEVINA, A. New irrigation equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:6-8. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Vystavka Dostizhenii Narodnogo Khozyaistva SSSR. Informatsionnyi Byulleten' 1:25. 1966.
- *LEVITOV, M. M., and PENZIKOVA, G. A. Production of enzyme preparations from mycelium of *Actinomyces fradiae* by the use of various methods of cell destruction. Microbiology 34(3):323-328. May/June 1965. 448.3 M582Ae
- LEWICKI, S., and STYK, B. Studies on buckwheat. V. Variability of the physical properties of seed as depending on cultivation methods. 12 p. (OTS 61-11394) Transl. 14303
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(4):549-559. 1958.
- LI, C. H. The first all-China Forest Soil Symposium. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 203:153-154. Aug. 9, 1965. (JPRS 31,473; TT 65-31969) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 12: 1126. Dec. 17, 1964.
- LI, L. H. Design of the Chen-chiang Agricultural Machinery College. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 176:12-17, map. May 5, 1965. (JPRS 29,933; TT 65-30917) 173 J663Tcco
Translation from Chien Chu Hsueh Pao 11-12: 20-21. Dec. 25, 1964.
- LI, W. C. The status and functions of animal husbandry in the national economy. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 11:48-56. Jan. 18, 1966. (JPRS 33,768; TT 66-30211) 173 J663Trf
Translation from Ching Chi Yen Chiu 11:23-27. Nov. 20, 1965.
- LIBKIND, A. Reduction of capital investment consumption in production is an important condition for the intensification of agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:1-16. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Voprosy Ekonomiki 11:28-38. Nov. 1964.
- LIN, C. H. Design of laboratory building at Chungking Municipal Institute of Agricultural Science. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 176:1-11, map. May 5, 1965. (JPRS 29,933; TT 65-30917) 173 J663Tcco
Translation from Chien Chu Hsueh Pao 11-12: 14-16. Dec. 25, 1964.
- LIN, K. H. Some successes in the application of chelates in pedology and agro-chemistry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:10-21. June 30, 1965. (JPRS 30,869; TT 65-31395) 173 J663Tcco
Translation from T'u Jang T'ung Pao 3:41-44. June 1964.
- LITOVCHENKO, V., and MURZAYEV, P. The increase of the rate of draining and conversion of the Kuban flats. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:33-37. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:85-87. Sept. 1964.
- LIU, C. H. Strive to realize Kiangsi's agricultural expansion program ahead of schedule. 14 p. (JPRS 6637) Transl. 14819
Translation from Kiangsi Jih-pao, June 27, 1960.
- LIU, C. M., and others. Runoff forecast of storms over loess: preliminary experimental study. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 170:69-75. Apr. 14, 1965. (JPRS 29,597; TT 65-30740) 173 J663Tcco
P. H. Hung, M. H. Tseng, and I. Ch'eng, joint authors.
Translation from K'o Hsueh T'ung Pao 2:153-161. Feb. 1965.
- LIU, K. H., and MEI, K. P. The victory of Chiangchow People's Commune in producing grain. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 2:44-56. Jan. 16, 1961. (JPRS 8094; SS 1188) 173 J663Trh
Translation from Hung Ch'i 2:27-33. Jan. 16, 1961.
- LIU, T. C. Determination of phosphates by means of flame photometry. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:22-29. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Tcco
Translation from T'u Jang T'ung Pao 3:53-55. June 1964.
- LOHWAG, K. Mycological [Merulius lacrymans] testing of wood samples. 3 p. Transl. 14588
Translation from Holzforschung und Holzverwertung 15(5):110-111. 1963.
- LOPATNIKOV, L. Construction of the Irtysh-Karaganda canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:38-44. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Ekonomicheskaya Gazeta, Oct. 24, 1964:18.
- LOSONCZI, P., and GARAMVOLGYI, K. Designation of areas suitable for planting of poplars and agricultural production of cellulose poplars. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432: 1-10. Apr. 18, 1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
Translation from Erdeszeti Ertesito 4:25-29. Feb. 1966.
- LU, S. F. On surveying of farm land. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 5:36-42. Feb. 14, 1966. (JPRS 34,121; TT 66-30563) 173 J663Ti
Translation from TI Li 5:225-226. Sept. 27, 1965.
- LUBSDORF, S. The future plans of agricultural artels. U. S. Joint Publ. Res. Serv. Transl. Mongolia 108:4-7. May 2, 1966. (JPRS 35,289; TT 66-31726) 173 J663Tmo
Translation from Unen, Feb. 20, 1966:3.
- *LUDWICZAK, R. S., and WRZECIONO, U. Investigations on chemical components of *Inonotus obliquus*. IV. Ergosterol. Ann. Chem. 34 (6):146-150. 1960. 385 R59Ae
- *LUDWICZAK, R. S., and WRZECIONO, U. Investigations on chemical components of *Inonotus obliquus*. Inotodiol and its derivatives. Ann. Chem. 34(6):82-90. 1960. 385 R59Ae
- LUNZMANN, K. The resistance coefficient during the skidding of log timber and its relation to soil mechanics. 57 p. Ref. Transl. 15888
Translation from Bundesforschungsanstalt für Forst- und Holzwirtschaft. Mitteilungen, No. 55. 1964.
- LUTTA, A. S., KHEISIN, E. M., and SHUL'MAN-ALBOVA, R. E. On the distribution of ixodid ticks in Karelia. 12 p. Ref. (TT 64-15637) Transl. 15163
Translation from Akademiya Nauk SSSR. Karelskii Filial. Trudy 14:72-83. 1959.
- MAI, M. Y. A preliminary study of nitrogen changes of rice paddy soils in arid and non-arid fields. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192: 30-36. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Tcco
Translation from T'u Jang T'ung Pao 3:57-58. June 1964.
- MAKHUMODOV, K. I. An increase in the vitamin P value of black tea in connection with the introduction of a new manufacturing process in the tea industry of the Azerbaijan SSR. 6 p. Ref. (TT 64-19117) Transl. 15550
Translation from Biokhimiya Chainogo Proizvodstva 9:192-195. 1962.

- *MAKSIMOVA, I. V., TOROPOVA, E. G., and PIMENOVA, M. N. Secretion of organic substances in the growth of green algae on mineral media. *Microbiology* 34(3):413-419. Ref. May/June 1965. 448.3 M582Ae
- MALAFEEV, A. N. Price formation in the USSR during the decade 1953-1963. 92 p. Ref. (JPRS 33,949; TT 66-30392) Transl. 15831
Translation from *Istoriya Tsenoobrazovaniya v SSSR, 1917-1963*, 1964:272-235,415-437.
- MALYGIN, P. A. Potato cultivation under irrigation in the North Aral Region. 8 p. Ref. (JPRS 29,244; TT 65-30567) Transl. 14952
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* [Moscow] 10:18-22. Oct. 1964.
- MARINOTTI, F. Utilization of *Arundo donax* for autarchic production of inert cellulose for rayon. 8 p. Transl. 15549
Translation from *Chimica* 17(7):349-355. 1941.
- MARKMAN, A. L., and SHAMSUTDINOV, R. Extraction of oil and gossypol with binary solvents. 6 p. Transl. 15122
Translation from *Akademiya Nauk Uzbekskoi SSR. Doklady* 19(11):23-25. 1962.
- MARKMAN, A. R., and SABIROR, Z. S. Two-stage extraction of raw cotton seed oil. 10 p. Transl. 14716
Translation from *Masloboino-Zhirovaya Promyshlennost'* 28(2):14-17. 1962.
- MARKOSYAN, A. K. Extent and biomass of the aquatic charophyta and mosses in Lake Sevan. 6 p. (TT 63-15903) Transl. 15264
Translation from *Sevanskaya Gidrobiologicheskaya Stantsiya. Trudy* 12:29-34. 1951.
- MARKOV, A. A., and ABRAMOV, I. V. Characteristics of the circulation of *Babesiella ovis* (Babes, 1892) in its tick host—*Rhipicephalus bursa* Can et Fanz, 1877. 6 p. (TT 64-19378) Transl. 15426
Translation from *Veterinariya* 34(3):27-30. 1957.
- MARTYNOVA, M. A. New standards for tractor building. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 233:11-12. Oct. 21, 1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi
Translation from *Standardizatsiya* 7:40-41. July 1965.
- MASHKOVTSSEV, M. F., TSAPKOVA, N. A., and MOISEEVA, M. E. Destruction of nicotine by the tissues of the tobacco plant during the autolysis and hunger metabolism. 10 p. Transl. 15268
Translation from *Akademiya Nauk SSSR. Doklady* 98:491-494. 1954.
- MASHTAKOV, S. M., and GOL'DINA, S. M. Effect of azotobacterin and molybdenum on the intake of nutrient substances and storage of dry matter by corn grown on peat-bog soil. 41 p. Ref. (TT 64-19470) Transl. 15425
Translation from *Kukuruza v BSSR* 1957:204-225.
- MASHYKOV, K. K., RABOCHEV, I. S., and MURADOV, S. N. The Karakum canal. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:11-15. June 7, 1965. (JPRS 30,451) 173 J663Tso
Translation from *Turkmenskaya Iskra*, Apr. 24, 1965:3.
- MATSUYAMA, S., and ISHITOYA, K. Studies on the chemical constituents of the "cherry red" tobacco plant. 12 p. Ref. Transl. 15267
Translation from *Agricultural Chemical Society of Japan. Journal* 34(8):662-665. 1960.
- MATYSHEVS'KA, M. S. The effect of environmental conditions on the development of parasitism in phytopathogenic bacteria. 8 p. Ref. (OTS 64-11007) Transl. 14642
Translation from *Mikrobiologichnyi Zhurnal* 21(5):58-65. 1959.
- MAZOKHIN-PORSHNYAKOV, G. A. Report of an experiment on color perception in bees. 10 p. (JPRS 31,713; TT 65-32208) Transl. 15508
Translation from *Priroda* 6:52-62. 1965.
- MEDVED', L. I. How to protect oneself from poisoning by toxic chemicals. p. 1-20. (JPRS 26,589; TT 64-41847) Transl. 14596
Translation from *Kniga o Zdorov'e Truzhenikov Sela* 1963:74-95.
- MEISINGER, G. Training of veterinarians in the Chinese People's Republic. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 293:7-14. Mar. 1, 1966. (JPRS 34,331; TT 66-30772) 173 J663Tcco
Translation from *Monatshefte fuer Veterinar-Medizin* 1:7-11. Jan. 1, 1966.
- MEL'NIK, R. I., SERGEEV, V. A., and PICHUGIN, L. M. Reproduction of the foot-and-mouth disease virus in the surviving tissues of cattle and swine. 7 p. Transl. 14306
Translation from *Veterinariya* 41(8):13-16. Aug. 1964.
- MEL'NIKOV, N. N. Problems of searching for and creating insecticides. 11 p. Ref. (JPRS 31,579; TT 65-32075) Transl. 15512
Translation from *Khimiya v Sel'skom Khozyaistve* 5:18-23. 1965.
- MELNIKOV, N. N. The new pesticides. 18 p. Ref. (JPRS 24,661; OTS 64-31287) Transl. 14130
Translation from *Khimicheskaya Promyshlennost'* 2:1-7. 1964.
- MEL'NIKOV, S. V., and FARLMAN, G. YA. Examination of the process of pressing of the forage mixtures. 11 p. Transl. 15760
Translation from *Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva* 5:36-38. 1964.
- *MIKHAIL Mikhaylovich Turovtsev. Soviet Soil Sci. 8:993. Aug. 1965. 57.8 P34Ae
- MIKOLAJCZYK, Z. Agriculture, the food processing industry and the market—1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 432:20-29. Apr. 18, 1966. (JPRS 35,087; TT 66-31525) 173 J663Ste
Translation from *Zycie Gospodarcze* 21(11):6-7. Mar. 1966.
- MIKHLIN, D. M., and KOLESNIKOV, P. A. The respiratory systems of plants. 21 p. Ref. Transl. 15270
Translation from *Biokhimiya* 12(5):452-464. 1947.
- MILOJIC, B. Agricultural scientific research in Bulgaria. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:1-8. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from *Poljoprivreda* 2:49-54. Feb. 1966.
- MISHEV, V. The new system of planning and management and the procurement of agricultural products. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:23-35. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from *Planovo Stopanstvo i Statistika* 3:42-52. Mar. 1966.
- *MISHUSTIN, E. N., and others. Role of aerobiosis in the formation of humic compounds. *Microbiology* 34(3):425-429. Ref. May/June 1965. 448.3 M582Ae
I. S. Vostrov, D. I. Nikitin, and N. S. Erofeev, joint authors.
- MISHUSTIN, E. N. Soil microbiology and its current problems. 24 p. Ref. (NASA TT F-414) Transl. 15922
Translation from *Akademiya Nauk SSSR. Institut Mikrobiologii. Trudy* 1(1):155-175. 1965.
- *MISHUSTIN, E. N., and KRYLOVA, N. B. Molybdenum requirement of free-living nitrogen-fixing bacteria. *Microbiology* 34(4):592-595. Ref. July/Aug. 1965. 448.3 M582Ae
- MITYUSHKIN, T. Improving agricultural financing. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 121:12-25. May 9, 1966. (JPRS 35,391; TT 66-31827) 173 J663Tso
Translation from *Voprosy Ekonomiki* 1:47-58. Jan. 1966.
- MIYABAYASHI, T. Differences in most-suitable and critical illuminating hours for rice plants in relation to their varieties. 7 p. Transl. 15891
Translation from *Crop Science Society of Japan. Proceedings* 15(3/4). Sept. 1944.

- MIYAKE, T., and FUJITWARA, A. Studies on the hibernation and diapause of the white rock planthopper, *Sogatia furcifera* Horvate, and the brown planthopper, *Nilaparvata lugens* Stal. 68 p. Ref. Transl. 15835
Translation from Hiroshima, Agricultural Experiment Station. Bulletin 13, Mar. 1962.
- MLADENOV, A. Further expansion of Bulgarian-Turkish economic and trade relations. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 273:33-39. Apr. 19, 1966. (JPRS 35,121; TT 66-31558) 173 J663Tree
Translation from Vunshna Turgoviya 3:17-19. Mar. 1966.
- MOHAMED ABED RAB, E. N. Problems of the socialist union in the rural area. U. S. Joint Publ. Res. Serv. Transl. Middle East 149: 43-49. June 8, 1965. (JPRS 30,465) 173 J663Trm
Translation from Al-Tali'ah, May 1965:76-79.
- MOKHNACHEV, I. G. Determination of bound water-soluble carbohydrates in tobacco. 8 p. Transl. 15266
Translation from Vysshie Uchebnye Zavedeniya. Izvestiya. Pishchevaya Tekhnologia 2:54-57. 1961.
- MOKIEVSKII, O. B. On the littorals of the China Seas. 6 p. (JPRS 4872) Transl. 14875
Translation from Priroda [Moscow] 6:93-97. 1961.
- MOLDIVAN, G., and MICLESCU, I. New perspectives in the development of cooperative agriculture in Rumania. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 427:23-33. Mar. 28, 1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Translation from Lupta de Clasa 2:28-36. Feb. 1966.
- MONOV, V. Results of economic analysis of 1964 TKZS operations in relation to material expenditures. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 430:9-15. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Otchetnost i Kontrol 2:61-66. Feb. 1966.
- MOTES, E. Industrialization of agriculture. 3 p. (JPRS 29,371; TT 65-30625) Transl. 14953
Translation from Nauka i Zhizn' 12:56-57. 1964.
- MUKHIN, E. N. The action of ionizing radiation on the resistance of potato tubers to fungi (*Fusarium* sp.). p. 76-79. (OTS 63-11011) Transl. 14333
Translation from Vsesoyuznaya Akademiya Sel'skokhozyaistvennykh Nauk imeni V. I. Lenina. Doklady 9:14-17. 1959.
- MURAV'EVA, T. V., and others. Migrations of the black-fly larvae (Diptera, Simuliidae). 12 p. Ref. (JPRS 25,017; OTS 64-31452) Transl. 14209
N. Ya. Markovich, A. M. Mitrofanov, and L. V. Timofeeva, joint authors.
Translation from Meditsinskaya Parazitologiya i Parazitarnye Bolezni 33(2):188-194. Mar./Apr. 1964.
- MURESAN, T., and others. Recent activities of Rumanian agricultural research institutes. 9 p. (JPRS 29,683; TT 65-30784) Transl. 15118
M. Stefanescu, V. Popa, D. Toma, and L. Bran, joint authors.
Translation from Agricultura Socialista 3(9): 8-9. Mar. 4, 1965.
- NAGAI, T., and MATSUSHITA, E. Physio-ecological characteristics in roots of rice plants grown under different soil temperature conditions. 1. Their ecological characteristics. 5 p. Transl. 14900
Translation from Crop Science Society of Japan. Proceedings 31(4). July 1963.
- *NAIDENOVA, L. P. Amino-acid requirements of thermophilic bacteria. Microbiology 34(3): 357-362. May/June 1965. 448.3 M582Ae
- NESHCHADIM, A. G. Destruction of cellular structure during preparation of oil seeds to extraction. 7 p. Transl. 14595
Translation from Masloboino-Zhirovaya Promyshlennost' 28(4):17-19. 1962.
- NGO DUY DONG. Thai Binh strives to have five tons of rice per hectare. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 220: 1-7. Jan. 5, 1966. (JPRS 33,598; TT 66-30042) 173 J663Trn
Translation from Nhan Dan, Nov. 28, 1965:2.
- NGO THUYEN. Deep plowing increases Thanh Hoa's agricultural production. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.), N. Vietnam 3:91-98. Apr. 27, 1965. (JPRS 29,770) 173 J663Th
Translation from Hoc Tap 3:46-50. Mar. 1965.
- NGUYEN DUY TU. Electricity in the service of agriculture. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:1-11. Mar. 2, 1965. (JPRS 28,960) 173 J663Trn
Translation from Nghien Cuu Kinh Te 24:3-7. Dec. 1964.
- NGUYEN NGO, and others. Problems in the agricultural economy of Tay Bac zone. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 149:36-66. Mar. 2, 1965. (JPRS 28,960) 173 J663Trn
Quang Huyen, Ngoc Hung, and Hoang Huu Sinh, joint authors.
Translation from Nghien Cuu Kinh Te 24:31-40. Dec. 1964.
- NIKANDROV, V. Expansion of the poultry-farm network. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:60-62. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Stroitel'naya Gazeta, Oct. 21, 1964:3.
- NIKL, J. Profitability in agriculture and the new system. U. S. Joint Publ. Res. Serv. Transl. East Europe. Agr. Forest. Food Indus. 439:23-33. May 13, 1966. (JPRS 35,487; TT 66-31923) 173 J663Ste
Translation from Zivot Strany 7:35-39. Apr. 1966.
- *NIKITISHEN, V. I., and NIKITISHENA, I. A. Agricultural chemical properties of Chernozems in Tambov Oblast in relation to the application of fertilizers. Soviet Soil Sci. 8:941-944. Aug. 1965. 57.8 P34Ae
- NONVEILLER, S. Yugoslav enterprises cooperate in transforming desert into fertile land in the UAR. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 262:22-39. map. (JPRS 33,966; TT 66-30409) 173 J663Tree
Translation from Gradjevinar 10:383-392. Oct. 1965.
- O, S. M. Let us improve the level of control and management commensurate to the development of agricultural productivity. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 178:1-13. Mar. 29, 1966. (JPRS 34,789; TT 66-31228) 173 J663Er
Translation from Kulloja 1:11-18. Jan. 1966.
- OANH, V. Unite party building with the campaign to improve agricultural cooperative management. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.), N. Vietnam 2:58-67. Apr. 21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:51-58. Feb. 1966.
- OGRYZKOV, E. P. Effect of speed of movement on the agrotechnical indexes of the plow. 6 p. Transl. 15740
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 3:40-41. 1962.
- OKAMOTO, S., and others. Studies on utilization of castor pomace for an animal feed. II. Availability tests of the autoclaved pomace as an ingredient of broiler and layer rations. 9 p. Transl. 15933
O. Koga, I. Goto, M. Funatsu, M. Matusoka, and K. Murase, joint authors.
Translation from Kyushu University. Faculty of Agriculture. Science Bulletin 20(3):259-264. Mar. 31, 1963.

- OKAMOTO, S., and others. Studies on utilization of castor pomace for an animal feed. III. Further studies on detoxification and availability as a poultry feed. 13 p. Transl. 15916
O. Koga, I. Goto, T. Aramaki, M. Funatsu, T. Takahashi, C. Yamaguchi, S. Kusakawa, and K. Murase, joint authors.
Translation from Japanese Poultry Science 2 (1):1-10. Apr. 1965.
- OPALLO, M. Some aspects of economic development in Poland. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 375:8-25. Sept. 22, 1964. (JPRS 26,504; TT 64-41762) 173 J663Tre
Translation from Gospodarka i Administracja Terenowa 7/8:62-67. July/Aug. 1964.
- ORLOV, YA. Relations between the garment industry and trade. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:46-58. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Voprosy Ekonomiki 11:112-118. Nov. 1964.
- OSETROV, P. A., and SOKAS, P. I. Effect of the short-wave ultraviolet rays on agricultural animals. 9 p. Transl. 15739
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 5:40-41. 1963.
- *OSVAL'D Gustavovich Khalik (1906-1964). Soviet Soil Sci. 8:991-992. Aug. 1965. 57.8 P34Ae
- OSYCHKIN, N. Land development for rice cultivation in Kuban'. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:4-6. June 7, 1965. (JPRS 30,451) 173 J663Tso
Translation from Sel'skaya Zhizn, Apr. 20, 1965:3.
- OTOWA, M., and KOYAMA, M. Iron dissolving action of rice straw leachate. 15 p. Ref. Transl. 14776
Translation from Journal of the Science of Soil and Manure, Japan 33(6):307-310. 1962.
- OZDEADZHIYEV, A. Problems of agriculture in Dagestan discussed. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 125:6-9. May 26, 1966. (JPRS 35,727; TT 66-32162) 173 J663Tso
Translation from Sel'skaya Zhizn' 22:2. Mar. 1966.
- PACHLEWSKI, R. Mycotrophy of the seedlings of the Polish [*Larix polonica*] and Sudeten larch [*Larix sudetica*] in natural and artificial conditions of development. 33 p. Ref. (OTS 61-11332) Transl. 14641
Translation from Acta Societatis Botanicorum Poloniae 22(1):133-168. 1953.
- PAILODZE, D. Tbilisi conference on agricultural mechanization. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 268:9-12. Apr. 27, 1966. (JPRS 35,213; TT 66-31650) 173 J663Tsi
Translation from Molodezh' Gruzii, Dec. 16, 1965:2.
- PANASYUK, B. A single accounting for the payment of labor. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:53-57. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:103-106. Sept. 1964.
- PARHON, M. Nutritive exchanges of bees during the four seasons. 8 p. Transl. 15893
Translation from Annales des Sciences Naturelles. (ser. 9) 9:1-58. 1909.
- PARSHIKOV, M., and SHVARTS, V. Prospects for development of the foodstuff industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:34-45. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Planovoe Khozyaistvo 12:32-38. Dec. 1964.
- PARSHIKOV, M., and SHVARTS, V. Unutilized reserves in the sugar beets industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 85:5-6. May 4, 1965. (JPRS 29,889) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 5:36. Feb. 3, 1965.
- PASZYC-STEPKOWSKA, E. Flame photometric determination of soil exchangeable ions. 14 p. (OTS 61-31303) Transl. 14990
Translation from Rozprawy Hydrotechniczne 5:91-106. 1959.
- *PAVLOV, A. V., and USTENKO, G. P. The heat balance and radiation regime of corn crops. Soviet Geogr. Rev. Transl. 7(2):44-57. Ref. Feb. 1966. 331.8 So8
- PELSHENKE, P. F., SEIBEL, W., and ZWINGELBERG, H. Impact reduction, air classification, and starch damage. 24 p. Ref. Transl. 14431
Translation from Muhle 98(44):573-578. Nov. 2, 1961.
- PENKOV, D. New system of planning and management in agriculture. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 563:7-15. Apr. 18, 1966. (JPRS 35,090; TT 66-31528) 173 J663Tre
Translation from Kooperativno Zemedelie 2:16-18. Feb. 1966.
- PEREBERIN, B. Benefits from construction of Karakumy canal in Turkmeniya. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 79:14-17. June 25, 1965. (JPRS 30,793) 173 J663Tso
Translation from Stroitel'naya Gazeta, Apr. 11, 1965:2.
- PERKITNY, T. Interaction between sorption, desorption and rheology of wood. 17 p. Ref. Transl. 15894
Translation from Holz als Roh- und Werkstoff 23(5):173-182. 1965.
- PERKITNY, T., and HELINSKA, L. Swelling pressure of wood in water and water-saturated air. 6 p. Ref. Transl. 14349
Translation from Holz als Roh- und Werkstoff 21(1):19-22. 1963.
- PETKOV, M. Trade and economic relations between Bulgaria and Finland are expanding. U. S. Joint Publ. Res. Serv. Transl. East Europe. Foreign Trade 268:6-10. Mar. 28, 1966. (JPRS 34,749; TT 66-31188) 173 J663Tree
Translation from Vunshna Turgoviya 1:9-10. Jan. 1966.
- PETRENKO, I. A. Interrelations of some species of house fungi in mixed culture. 13 p. Transl. 14883
Translation from Akademiya Nauk. Institut Lesa. Trudy 65:95-103. 1963.
- PETROVSKIY, N. New combination cultivator, top dresser, and sprayer. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:21-22. Aug. 25, 1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Translation from Pravda Vostoka, July 20, 1965:4.
- PHU, N. B. Let us understand the State scheme for encouraging the raising of sows and stock boars. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 175:11-13. June 9, 1965. (JPRS 30,516) 173 J663Trn
Translation from Khoa Hoc Ky Thuat Nong Nghiep 49:28-29. Apr. 15, 1965.
- PISAREV, YU., and KLENOV, YE. Odessa plant imeni Oktyabr'skaya Revolyutsiya under the new economic reform conditions. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 270:13-20. May 3, 1966. (JPRS 35,306; TT 66-31742) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 10:29. 1966.
- *PLAKUNOV, V. K. Determination of K vitamins in gram-positive microorganisms. Microbiology 34(3):449-451. Ref. May/June 1965. 448.3 M582Ae
- PODGORICHANI, V. Machinery for tea plantations. 3 p. Transl. 14727
Translation from Tekhnika v Sel'skom Khozyaistve 5:74-75. May 1960.
- POLYANSKII, V. E., and CHEISSIN, E. M. Some observations on the development of *Babesiella bovis* in a carrier tick [*Ixodes ricinus*]. 7 p. (TT 64-15625) Transl. 15155
Translation from Akademiya Nauk SSSR. Karel'skii Filial. Trudy 14:5-12. 1959.

- POLYNOV, B. B. Leading ideas in the present-day theory of soil formation and soil development. 12 p. Ref. (TT 65-50057) Transl. 14978
Translation from Pochvovedenie 1:3-13. 1948.
- PONOMAREVA, A. A. Nesting habits of certain species of higher bees (Hymenoptera, Apoidea) in southwestern Turkmenistan. 14 p. Ref. Transl. 14427
Translation from Entomologicheskoe Obozrenie 37(3):616-629. 1958.
- POPESCU, B. Growth of the organizing role of the state in the development of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:16-21. May 4, 1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
Translation from Romania Libera, Feb. 8, 1966:1,2.
- POPESCU, B. Present problems of irrigation. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 438:11-16. May 10, 1966. (JPRS 35,434; TT 66-31870) 173 J663Ste
Translation from Agricultura Socialista 4(13):1-2. Mar. 31, 1966.
- POPOV, A., PAVLOV, K., and GENCHEV, G. State and problems of biological science in Bulgaria. 9 p. (JPRS 29,060; TT 65-30477) Transl. 14869
Translation from Zemedelsko Zname 63(29):1-2. Feb. 4, 1965.
- POSKONOV, A. Gosbank in the concluding year of the Seven-Year Plan. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 198:66-82. June 25, 1965. (JPRS 30,796; TT 65-31340) 173 J663Sove
Translation from Den'gi i Kredit 4:3-14. Apr. 1965.
- POSPELOVA-SHTROM, M. V. The ixodoidea tick *Haemaphysalis warburtoni* Nutt. in the mountains of Kazakhstan and Kirgizia. 4 p. (TT 64-15633) Transl. 15166
Translation from Akademiya Nauk Kazakhskoi SSR. Izvestiya. Parasitologicheskaya Seriya 7:60-65. 1949.
- POSTNIKOV, A. Need for agrochemistry in the USSR. 6 p. (JPRS 25,956; TT 64-41227) Transl. 14234
Translation from Ekonomicheskaya Gazeta 12:34. Mar. 23, 1963.
- *PREOBRAZHENSKEYA, T. P., and others. Application of the carbon replica method to the electron microscopic study of the surface of actinomycete spores. Microbiology 34(3):445-448. May/June 1965. 448.3 M582Ae
T. S. Maksimova, V. M. Luk'yanovich, and E. I. Evko, joint authors.
- PRIEHAUSSER, G. Variations and combinations in spruce trees growing in Bavarian forests determined by phenotypic characters with identification key. 2 p. Transl. 14583
Translation from Forstwissenschaftliches Centralblatt 77:151-172. 1958.
- PRIKHOD'KO, A. Improvement in quality of tractor engine starters. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 226:18-19. Aug. 25, 1965. (JPRS 31,700; TT 65-32195) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 28:40-41. July 14, 1965.
- PROKHANOV, YA. I. Genus *Senra* Cavanilles and the character of its distinctions from cotton. 20 p. Transl. 15917
Translation from Akademiya Nauk SSSR. Botanicheskii Institut imeni V. L. Komarova. Gerbarii. Botanicheskie Materialy 15:159-176. 1953.
- PROKHANOV, YA. I. An outline of the new system of cotton (genus *Gossypium* L.). 5 p. Transl. 15918
Translation from Botanicheskii Zhurnal 32(2):61-64. 1947.
- PROKHANOV, YA. I. Outline of the new system of cotton, genus *Gossypium* L. 21 p. Transl. 15919
Translation from Botanicheskii Zhurnal 33(4):428-437. 1948.
- PROTOPOPOVA, E. M., and KUBLIK, L. N. Reversal of radiation after-effect in plant cells. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 24(6,pt.2):T1038-T1040. Nov./Dec. 1965. 442.9 F31P
Translation from Radiobiologiya 4(6):878. 1964.
- PROVINCIAL SHANSI BR. OF THE AGRICULTURAL BANK OF CHINA. Concerning some methods and planning of budgetary allocations supervision. U. S. Joint Publ. Res. Serv. Transl. Communist China's Manage. Trade Financ. 44:17-28. June 9, 1965. (JPRS 30,514) 173 J663Tram
Translation from Nung Ts'un Chin Jung 4-5:49-58. Feb. 26, 1965.
- PRUIDZE, G. N. Production of dry tea concentrate by means of freeze-drying. 9 p. Ref. (TT 64-13742) Transl. 15335
Translation from Akademiya Nauk SSSR. Institut Biokhimii. Biokhimiya Chainogo Proizvodstva 9:177-181. 1962.
- PUTIEV, U. N., NIKONOVICH, G. V., and TASHPULATOV, U. Investigation of degree of order in various cellulosic preparations. 10 p. Transl. 15207
Translation from Uzbekskii Khimicheskii Zhurnal 8(1):75-81. 1964.
- QUANG, P. Balanced development of animal husbandry and cultivation. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 231:1-25. Apr. 12, 1966. (JPRS 35,015; TT 66-31453) 173 J663Trn
Translation from Nhan Dan 4346-4349:2 of each issue. Feb./Mar. 1966.
- QUANG-MINH. Why the rejects? U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 169:7-9. May 13, 1965. (JPRS 30,062) 173 J663Trn
Translation from Lao Dong, Dec. 24, 1964:2.
- RACZYK, W. Animal production in 1960-1965. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:25-30. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from Przegląd Hodowlany 34(5):1-2. Mar. 1966.
- RADIONOV, V. A shortage of wool accompanied by an overstock. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:105-107. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Ekonomicheskaya Gazeta 50:29. Dec. 1964.
- RAKOWSKI, M. Problems of animal productivity in 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:16-22. Mar. 28, 1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Translation from Zycie Gospodarcze 10:1-2. Mar. 1966.
- RASHEVSKAYA, V. F., and NILOVA, V. P. The effect of the state of catalase activity of resistance of wheat to infection with brown rust [*Puccinia triticina*]. 10 p. (TT 64-20427) Transl. 15331
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 4:63-67. 1952.
- RISCHER, H. Structural change in the dairy industry in East Germany. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 428:10-18. Mar. 29, 1966. (JPRS 34,770; TT 66-31209) 173 J663Ste
Translation from Die Lebensmittel-Industrie 2:61-63. Feb. 1966.
- RIVA, M., POY, F., and GAGLIARDI, P. The identification of fatty acids of oils by means of high efficiency capillary columns. 4 p. Transl. 14488
Translation from Rivista Italiana dell' So- stanze Grasse 41:267-268. 1964.
- ROBEV, S. Methods of combating radioactive pollution. 8 p. (JPRS 34,927; TT 66-31365) Transl. 15911
Translation from Priroda [Sofia] 5:14-17. Oct. 1965.
- ROCHLITZER. Water in the service of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:1-5. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from Die Wirtschaft 6:5. Feb. 1966.

- RODICHEV, S. Difficulties in supplying fruits and vegetables. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 116:5-9. May 9, 1966. (JPRS 35,380; TT 66-31816) 173 J663Tro
Translation from Sel'skaya Zhizn', Mar. 12, 1966:2.
- ROGALEVICH, M. Greater attention to horse-breeding advocated. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:50-54. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Ekonomicheskaya Gazeta 5:32. Feb. 1965.
- ROHMEDEER, E. The problem of detecting superior genotypes in the phenotype of mother trees. 33 p. Transl. 15022
Translation from Forstwissenschaftliches Centralblatt 80(11/12):321-344. Nov./Dec. 1961.
- *ROMANOVA, A. K., DOMAN, N. G., and RUBAN, E. L. Products of short-term chemosynthesis in *Nitrosomonas europaea*. Microbiology 34(3):329-333. Ref. May/June 1965. 448.3 M582Ae
- ROMMEL, W., and ROMMEL, P. Secretion of estrogen in cow's urine during undisturbed pregnancy, parturition and early puerperium. 8 p. Transl. 15004
Translation from Leipzig. Karl-Marx-Universität. Wissenschaftliche Zeitschrift. Mathematisch-Naturwissenschaftliche Reihe 8:821-825. 1958/1959.
- RUBIN, B. A., and others. The use of ionizing radiation to control the dormancy of potato tubers during storage. p. 1-75. Ref. (OTS 63-11011) Transl. 14333
L. V. Metlitskii, E. G. Sal'kova, E. N. Mukhin, N. P. Korableva, and N. P. Morozova, joint authors.
Translation from Akademiya Nauk SSSR. Biokhimiya Plodov i Ovoshchei. Sbornik 5:5-101. 1959.
- ROZOV, N. N. Review of "Principles of regional soil subdivision for the purpose of development of the rural economy," by Y. C. Ma, and C. W. Wen. 17 p., map. (JPRS 9576) Transl. 14407
Translation from Pochvovedenie 9:118-123. 1959.
- RUDEENKO, P. Increased use of tandem trailer trucks. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:4-5. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Sovetskaya Moldaviya, Mar. 19, 1966:2.
- RUEBENBAUER, T., and BISKUPSKI, A. Experimental estimation of the baking value of rye by means of the sedimentation method. 23 p. (OTS 61-31275) Transl. 14527
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(4):459-478. 1953.
- RUNCHEV, M. S. Novelty in electro-mechanization of the animal-husbandry farms. 16 p. Transl. 14739
Translation from Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva 17(3):35-39. 1959.
- RUSKOL, A. Homestead sections of the workers and employees of the sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:1-5. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from Ekonomika Sel'skogo Khozyaistva 9:54-57. Sept. 1964.
- RUZICKA, M. Status and organizational structure of the "V. L. Komarov" Botanical Institute of the Soviet Academy of Sciences, in Leningrad [Akademiya Nauk SSSR, Botanicheskii Institut imeni V. L. Komarova]. 7 p. Transl. 14581
Translation from Biologia 8:634-639. Aug. 1964.
- SAFAR, J. Review of the twenty-year work of the institute for forestry research in Yugoslavia. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:147-158. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J663Ste
Translation from Sumarski List 11/12:552-560. Nov./Dec. 1965.
- SAKURAI, H. The mechanization of North Korean agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 174:135. Jan. 11, 1966. (JPRS 33,686; TT 66-30130) 173 J663Er
Translation from Ajia Keizai 64-75. Nov. 1965.
- *SAMOSUDOVA, E. V. Lyophilization of phytopathogenic bacteria. Microbiology 34(3):471-474. Ref. May/June 1965. 448.3 M582Ae
- *SAMTSEVICH, S. A., and ULASEVICH, E. I. Microflora of hydroponic cucumber culture. Microbiology 34(4):611-616. Ref. July/Aug. 1965. 448.3 M582Ae
- SANDERMANN, W. Biosynthetic investigations of various species of pine. 16 p. Ref. Transl. 14346
Translation from Holzforschung 16(3):65-74. 1962.
- SAPOZHNIKOV, D. I., and others. Participation of xanthophylls in oxygen transfer during photosynthesis. 7 p. Ref. (JPRS 24,904; OTS 64-31395) Transl. 14286
D. G. Alkhazov, Z. M. Eidel'man, N. V. Bazhanova, I. Kh. Lemberg, T. G. Maslova, A. B. Girshin, I. A. Popova, V. S. Saakov, O. F. Popova, and G. A. Shiryayeva, joint authors.
Translation from Akademiya Nauk SSSR. Doklady 154(4):974-977. 1964.
- SARAI, A. Three year's work at the invitation of the party. U. S. Joint Publ. Res. Serv. Transl. Mongolia 94:21-24. Dec. 30, 1965. (JPRS 33,553; TT 65-34127) 173 J663Tmo
Translation from Namyn Am'dral 8:52-55. Aug. 1965.
- SARAIVA, D., and MOHRDIECK, B. W. Lyophilized aphthous virus—some results obtained with its use in complement fixation reaction. 13 p. Transl. 14483
Translation from Porto Alegre. Universidade do Rio Grande do Sul. Faculdade de Agronomia e Veterinaria. Revista 5:301-308. 1962.
- SATAROVA, N. A. Some peculiarities of plant cells during dormancy. 4 p. Transl. 14482
Translation from Akademiya Nauk SSSR. Doklady 62(5):713-716. 1948.
- SATO, K. Notes on the leaf appearance interval of rice plant. 16 p. Ref. Transl. 14903
Translation from Crop Science Society of Japan. Proceedings 31(1):1-5. Sept. 1962.
- SCHMIDT, G. Future tasks of the German peasant bank [Deutsche Bauernbank] in the new economic system. III. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 446:28-38. Mar. 9, 1965. (JPRS 29,034) 173 J663Tre
Translation from Deutsche Finanzwirtschaft 24:G7-G11. Dec. 1964.
- SCHMIDT, U. Prophylaxis and countermeasures against Newcastle disease (fowl plague) in East Germany. 11 p. (JPRS 11285; TT 62-19744) Transl. 14481
Translation from Monatshefte für Veterinarmedizin 16(11):420-422. June 1961.
- SCHWANITZ, F. The origin of cultivated plants. 175 p. Ref. SB107.S3
Translation of Die Entstehung der Kulturpflanzen.
- SEIDEL, E., and ERLECKE, K. H. Investigations of the distribution of light under light bulbs (HQL 250). 11 p. Transl. 14580
Translation from Archiv für Gartenbau 11(6):423-432. 1963.
- SEMENOV-TYAN-SHANSKII, A. P. Classification of the tribe Hedychridini Mocs. (Hymenoptera, Chrysididae) and description of new species. 9 p. (OTS 64-11082) Transl. 14834
Translation from Akademiya Nauk SSSR. Zoologicheskii Institut. Trudy 15:138-145. 1954.
- *SEMEVSKIY, B. N. Basic national-economic problems of the Republic of Cuba. Soviet Geogr. Rev. Transl. 7(2):36-43. Feb. 1966. 331.8 So8
- SENIN, A. Irrigation in Khersonskaya oblast. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:20-23. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Trud, Oct. 24, 1963:2.

- SERDYUKOVA, G. V. Local mass reproduction of ticks *Hyalomma anatolicum anatolicum* Koch in Tadzhikistan and their causes. 4 p. (TT 64-15617) Transl. 15169
Translation from Akademiya Nauk SSSR. Tadzhikskoe Otdelenie. Byulleten' 6:60-63. 1945.
- SERYAKOV, I. The need for procurement quality control. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57:11-15. Jan. 6, 1965. (JPRS 28,145) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 40:32. Oct. 1964.
- SHA, L. K. Topographic factors in agricultural mechanization. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 5:15-23. Feb. 14, 1966. (JPRS 34,121; TT 66-30563) 173 J663Tt
Translation from Ti Li 5:215-217. Sept. 27, 1965.
- SHAMIS, D. L. The use of microorganisms in feed production. 5 p. (JPRS 20,677; OTS 63-31549) Transl. 14284
Translation from Akademiya Nauk SSSR. Vestnik 5:58-60. 1963.
- *SHAPOSHNIKOV, V. N., and ORLOVA, I. G. Effect of organic acids on the growth of *Pseudomonas liquefaciens* and synthesis of free intracellular amino acids. Microbiology 34(4): 521-527. Ref. July/Aug. 1965. 448.3 M582Ae
- SHCHERBAKOV, D. I. Urgent problems in conservation of natural resources. 4 p. (JPRS 34,204; TT 66-30645) Transl. 15913
Translation from Akademiya Nauk SSSR. Vestnik 10:58-60. Oct. 1965.
- SHEVCHENKO, S. Specialization of agricultural machinery repairs. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:7-11. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Rossiya Feb. 25, 1966:2.
- SHEVCHENKO, S. V. The purchase and repairs of machinery in villages. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 267:29-31. Apr. 20, 1966. (JPRS 35,133; TT 66-31570) 173 J663Tsi
Translation from Sovetskaya Rossiya Dec. 26, 1965:3.
- SHIGERU, I. The applicability of the Japanese experience in agriculture. 25 p. (JPRS 22,936; OTS 64,21411) Transl. 14281
Translation from Keizai Kenkyu 14(2):114-122. Apr. 1963.
- SHIH, Y. C. Comprehensive improvement of inland saline soil on North China plain. U. S. Joint Publ. Res. Serv. Transl. TI-LI (Geogr.) 4:27-38. Dec. 9, 1965. (JPRS 33,258; TT 65-33833) 173 J663Tt
Translation from Ti Li 4:154-156. July 27, 1965.
- SHILOVA-KRASOVA, S. A. The activity of insectivorous birds in areas mass-infested with forest pests. 9 p. Ref. (TT 65-50046) Transl. 15521
Translation from Zoologicheskii Zhurnal 32 (5):955-963. 1953.
- SHLYAZHAS, A. Development of poultry farming in Lithuania. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200: 55-57. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Sovetskaya Litva, Feb. 4, 1965:3.
- SHNEYSER, B. YA., LYUBCHEVSKII, P. YA., and KOVALEVSKII, B. F. New tractor testing procedure. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:19-22. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Promyshlennost' Belorussii 1:29-31. 1966.
- *SHOMOVA, E. A., RUDAVSKII, V. P., and KHASKIN, I. G. On the fungicidal activity of certain aromatic derivatives of trichloroacetamide. Microbiology 34(4):617-620. July/Aug. 1965. 448.3 M582Ae
- SILIN, A., and PRAVDIN, V. Some statistical data on the cost of fodder. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:17-25. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove
Translation from Vestnik Statistiki 12:12-17. Dec. 1964.
- SILIN, L. M., and SILINA, N. P. Investigation of the raw materials, semi-finished products and waste products of a beet sugar refinery. 15 p. (JPRS 28,402; TT 65-30177) Transl. 14783
Translation of Khimicheskii Kontrol' Sveklosakharnogo Proizvodstva 1960:169-181.
- SINITSYN, I. F. The most important tasks for tractor and agricultural machine building in 1966-1970. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 264:1-8. Mar. 23, 1966. (JPRS 34,686; TT 66-31125) 173 J663Tsi
Translation from Traktory i Sel'khoz mashiny 1:1-3. Jan. 1966.
- SIRKIK, V. Technical progress in the whole-milk industry. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 71: 1-4. Dec. 28, 1964. (JPRS 27,991) 173 J663Tro
Translation from Molochnaya Promyshlennost' 9:1-3. Sept. 1964.
- SISAKYAN, N. Chemistry in agriculture. 6 p. (JPRS 22,831; OTS 64-21350) Transl. 14277
Translation from Pravda, Dec. 9, 1963.
- SKIRDE, W. Contribution to the methodology of quantitative nectar analysis in red clover. 2. 16 p. Ref. Transl. 14466
Translation from Zeitschrift für Acker- und Pflanzenbau 113(2):165-180. 1961.
- *SKRAGA, J., and BASINSKI, A. Investigations on the properties of tanning substances obtained from lignin derivatives. III. Ann. Chem. 34(6):151-158. Ref. 1960. 385 R59Ae
- SKVORTSOV, A. A. Crop climate and the heat balance of irrigated fields. 24 p. (TT 64-18611) Transl. 15328
Translation from Vestnik Irrigatsii 7:37-48. 1928.
- SMIRNOV, N. Production of lime fertilizers. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:57-59. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso
Translation from Stroitel'naya Gazeta, Oct. 16, 1964:3.
- SMIRNOV, V. The development of Soviet seed selection. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 124:15-20. May 24, 1966. (JPRS 35,671; TT 66-32106) 173 J663Tso
Translation from Komol'skaya Pravda, Apr. 28, 1966:2.
- SO, K. H. Timely and accurate financial settlement and product distribution in cooperative farms. U. S. Joint Publ. Res. Serv. [Transl.] Econ. Rep. N. Korea 174:36-41. Jan. 11, 1966. (JPRS 33,686; TT 66-30130) 173 J663Er
Translation from Nodong Sinmun, Nov. 14, 1965:2.
- SOKOLOVA, S. M. Content of proteinaceous substances in seeds of different representatives of the tribe Festuceae of the family Gramineae. 6 p. Transl. 15187
Translation from Evolutsionnaya Biokhimiya Rastenii 1964:60-69.
- SOLOMCHENKO, N. YA., ANDREEV, L. N., and SERB-SERBINA, N. N. Study of structuration processes during reinforcement of clay soils with certain synthetic polymers. 9 p. Ref. (JPRS 29,474; TT 65-30672) Transl. 14951
Translation from Kolloidnyi Zhurnal 27(1): 106-112. 1965.
- SPYNU, E. I. Assessment of physiologic changes in the early stages of poisoning with diene insecticides. Fed. Amer. Soc. Exp. Biol. Fed. Proc. 24(6, pt. 2):T1121-T1122. Nov./Dec. 1965. 442.9 F31P
Translation from Gigiena Truda i Professional'nye Zabolovaniya 8(10):26. 1964.
- STAJDUHAR, F. Development of the wood institute in Zagreb. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 437:159-173, map. May 5, 1966. (JPRS 35,353; TT 66-31789) 173 J633Ste
Translation from Sumarski List 11/12:573-582. Nov./Dec. 1965.

- STANCL, B. Prices, premiums, and discounts on socialized farms in 1960-1964, and their influence on the economy and profitability of production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:80-101. Ref. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from *Agronomski Glasnik* 1:49-64. Jan. 1966.
- STANEV, S. National income—chief source for the development of Bulgaria. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 446:1-20. Mar. 9, 1965. (JPRS 29,034) 173 J663Tre
Translation from *Rabotnichesko Delo*, Feb. 14, 1965:3-4.
- STARTSEV, D. D. On the organization and methods for heredity value testing of breeder bulls. 8 p. Transl. 15137
Translation from *Tierzucht* 18(6):285-288. June 1964.
- STATUS and course of Japan-Republic of Korea economic cooperation. 158 p. (GUO 1126) Transl. 15907
Translation of *Nichiban Keizai Kyoryoku* no hoku to Sono Haikai.
- STEPANOVA, N. The criteria of guaranteed payment. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 62:14-19. Jan. 21, 1965. (JPRS 28,398) 173 J663Tso
Translation from *Ekonomika Sel'skogo Khozyaistva* 9:63-66. Sept. 1964.
- *STOLETOV, V. N., GLAZER, V. M., and SHESTAKOV, S. V. Content of acid-soluble phosphorus compounds in different variants of *Bacillus brevis* var. G.-B. Microbiology 34(4):505-509. Ref. July/Aug. 1965. 448.3 M582Ae
- *STRUGOVSHCHIKOVA, L. P. Flavin production by certain species of yeasts of the genus *Candida*. Microbiology 34(4):534-538. Ref. July/Aug. 1965. 448.3 M582Ae
- SU, H. Struggle between socialism and capitalism in Chinese rural areas after land reform. U. S. Joint Publ. Res. Serv. Transl. Ching-chi Yen-chiu (Econ. Res.) 9:1-19. Nov. 10, 1965. (JPRS 32,793; TT 65-33371) 173 J663Trf
Translation from *Ching Chi Yen Chiu* 9:14-26. Sept. 20, 1965.
- SUKHOV, K. S., and VOVK, A. M. New virus disease of the tomato-leaf curl and its carrier—cicada *Agallia venosa* Fall. 4 p. Transl. 15519
Translation from *Akademiya Nauk SSSR. Doklady* 56(4):433-435. 1947.
- *SUPRUN, T. P. Preservation of microscopic fungi in sterile soil. Microbiology 34(3):461-466. Ref. May/June 1965. 448.3 M582Ae
- SURKOV, V., and SHMIDT, G. Centrifuging of the bacteria constituting the microflora of milk. 10 p. Ref. Transl. 14462
Translation from *Molochnaya Promyshlennost'* 22(2):31-34. 1961.
- SUSHA, K. P. Bovine spring—summer fever. 2 p. Transl. 14307
Translation from *Veterinariya* 41(6):59. June 1964.
- SVANI, SH. The utilization of automation for irrigation in Georgia. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 123:5-6. May 17, 1966. (JPRS 35,546; TT 6-31982) 173 J663Tso
Translation from *Zarya Vostoka*, Apr. 15, 1966:4.
- SYULEMEZOV, S. The new planning system, an important incentive for more rapid increases and improvement in the quality of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 436:7-15. May 4, 1966. (JPRS 35,334; TT 66-31770) 173 J663Ste
Translation from *Kooperativno Zemedelie* 3:11-14. Mar. 1966.
- SZEMBERG, A. Some forms of land turnover in peasant farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 434:7-13, map. Apr. 26, 1966. (JPRS 35,182; TT 66-31619) 173 J663Ste
Translation from *Nowe Rolnictwo* 5:16-18. Mar. 1966.
- SZEWKO, M. Chemicals in agriculture, 1966-1970. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 435:31-39. Apr. 27, 1966. (JPRS 35,209; TT 66-31646) 173 J663Ste
Translation from *Mechanizacja Rolnictwa* 15(5):8-10. Mar. 1966.
- TAGAMI, Y., and MIZUKAMI, T. Historical review of the researches on bacterial leaf blight of rice caused by *Xanthomonas oryzae* (Uyeda et Ishiyama) Dowson. 191 p. Ref. Transl. 15903
Translation from Japan. Department of Agriculture and Forestry. Development Bureau. Plant Protection Section. Special Reports 10:1-112. 1962.
- TAIRA, H. Studies on amino acid contents in plant seed. I. Amino acid contained in the seed of Gramineae. 5 p. Ref. Transl. 14460
Translation from *Botanical Magazine* 75(888):242-243. June 1962.
- TAIRA, H. Studies on amino acid contents in plant seed. II. Amino acid pattern of seed protein fractions of Gramineae. 6 p. Transl. 14459
Translation from *Botanical Magazine* 75:273-277. 1962.
- TAKAHASHI, K., and others. Active fractions of royal jelly. 2 p. Transl. 14458
Translation from *Paris. Soc. de Biol. Compt. Rend. des Seances* 157(2):428-430. 1963.
- TAMURA, S., and KENMOCHI, K. Studies on amino acid content of rice. III. Distribution of amino acid in rice grain. 10 p. Transl. 14522
Translation from *Agricultural Chemical Society of Japan. Journal* 37:753-756. 1963.
- TANASE, G., and ALEXANDRU, D. Continuous improvement in the geographic distribution of Rumanian industry in the years of construction of socialism. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 566:14-30, map. Apr. 28, 1966. (JPRS 35,236; TT 66-31673) 173 J663Tre
Translation from *Natura Seria Geografie-Geologie* Vol., XVIII, 1:3-15. Jan./Feb. 1966.
- T'AO, C. Compass for 500 million peasants in following path of socialism. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 8:23-42. Ref. Aug. 20, 1965. (JPRS 31,630; TT 65-32125) 173 J663Trh
Translation from *Hung Ch'i* 8:1965.
- TELEMANOV, A. Experiment with leaderless team operation of sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:20-22. June 7, 1965. (JPRS 30,451) 173 J663Tso
Translation from *Komsomol'skaya Pravda*, Apr. 29, 1965:2.
- TEMPER, A. C., and others. The role of prophylactic vitamin additions to food in the decrease of morbidity. 6 p. Transl. 14521
B. V. Bokhanov, L. A. Zagranichnyi, A. C. Yezhov, and S. V. Katasonov, joint authors.
Translation from *Voenno-Meditsinskii Zhurnal* 3:41-51. Mar. 1961.
- TEREK, L. Dependence of the purity of sugar crystals on the purity of sugar juices and sirups. 5 p. (TT 63-16373) Transl. 15329
Translation from *Tehnika* 10(7):1069-1071. 1956.
- TEREKHOVA, N. A. Conditions in which Abutilon may recover from infectious chlorosis. II. Recovery under the influence of defoliation. 8 p. Transl. 14519
Translation from *Voprosy Virusologii* 5(5):614-618. 1960.
- TERENT'EV, V. M., and KUPCHINOV, N. N. Activities of scientists in Department of Biological Sciences, Academy of Sciences, Belorussian SSR [Akademiya Nauk Belorusskoi SSR, Otdelenie Biologicheskikh Nauk], during 1964. 23 p. (JPRS 33,821; TT 66-30264) Transl. 15800
Translation from *Akademiya Nauk Belorusskoi SSR. Vestsi* 2:128-138. 1965.
- THI, M. North Vietnamese economic development in 1965. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 232:1-5. Apr. 13, 1966. (JPRS 35,030; TT 66-31468) 173 J663Trn
Translation from *Ekonomicheskaya Gazeta* 12:44. Mar. 1966.

- THO, V. Intensive rice cultivation in the North. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 2:68-78. Apr. 21, 1966. (JPRS 35,141; TT 66-31578) 173 J663Th
Translation from Hoc Tap 2:59-67., Feb. 1966.
- THUONG, L. C. Let us strongly develop goods production and practice a high degree of self-support in the new situation. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 3:52-63. May 3, 1966. (JPRS 35,313; TT 66-31749) 173 J663Th
Translation from Hoc Tap Mar. 1966:33-44.
- TIET, V. Q. Let us fully understand the self-sufficiency view in regard to solving the present food problem. U. S. Joint Publ. Res. Serv. Transl. Hoc Tap (Stud.). N. Vietnam 3:64-70. May 3, 1966. (JPRS 35,313; TT 66-31749) 173 J663Th
Translation from Hoc Tap 3:45-50. Mar. 1966.
- TIMOSHENKO, YA, A., and TAMARKIN, YA, L. A complex automatic system of plant control and its economic effectiveness. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:9-14. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Promyshlennost' Belorusii, Jan. 1966:6-8.
- TING, Y. The popularization of agricultural science and technology. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 153:4-7. Mar. 2, 1965. (JPRS 28,950; TT 65-30416) 173 J663Tcco
Translation from Hsueh K'o Hsueh 11:2-3. Nov. 1963.
- TKACHENKO, A. Excessive number of farm machine brands and lack of spare parts unification. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 233:1-4. Oct. 21, 1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi
Translation from Pravda Ukrainy, June 16, 1965:2.
- *TRET'YAKOVA, A. N. Comparative study of nitrogen-fixing blue-green algae isolated from different soils in the USSR. Microbiology 34 (3):420-424. Ref. May/June 1965. 448.3 M582Ae
- TRUONG QUANG. Concentrate on organizing and managing "increase" task. U. S. Joint Publ. Res. Serv. Transl. N. Vietnam's Econ. 169:1-3. May 13, 1965. (JPRS 30,062) 173 J663Trn
Translation from Lao Dong, Dec. 10, 1964:3.
- TRUSZKOWSKA, W. Mycotrophy of Alneta in the Bialowieza National Park [Bialowiecki Park Narodowy] and in Domaszyn near Wroclaw. 16 p. Ref. (OTS 61-11334) Transl. 14837
Translation from Acta Societatis Botanicorum Poloniae 22(4):737-752. 1953.
- TS'AO, H. K., and CHIN, C. H. Experimental observations on bacteriostatic effects of raw garlic on Meningo-Diplococcus intracellularis. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 153:14-16. Mar. 2, 1965. (JPRS 28,950; TT 65-30416) 173 J663Tcco
Translation from Chung I Tsa Chih 4:27-28. 1964.
- TSEKOV, A. Administration of agriculture. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:1-5. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Translation from Otchetnost i Kontrol 4:153-156 Apr. 1966.
- *TSERLING, V. V. Study of the role of nutrients in the formation of yields as a basis of plant diagnosis. Soviet Soil Sci. 8:929-940. Ref. Aug. 1965. 57.8 P34Ae
- TSUCHIYA, M. Experimental studies on the tilth of paddy soil observed when a rotary tine is used. 108 p. Ref. Transl. 15829
Translation from Yamagata University. Bulletin 3(1):191-262. Feb. 1959.
- TSUVERKALOV, D. A., and REVENKOV, A. G. Interference between the foot-and-mouth disease and hog cholera viruses in vivo. 8 p. Ref. Transl. 14536
Translation from Veterinariya 41(9):17-20. Sept. 1964.
- TSVELIKH, B. The work of the Komsomol [Kommunisticheskii Soyuz Molodezhi] organizations to keep rural youth on the farm. U. S. Joint Publ. Res. Serv. Transl. USSR Labor 96:66-69. Dec. 20, 1965. (JPRS 33,400; TT 65-33974) 173 J663Tou
Translation from Trud Oct. 15, 1965:2.
- TUMASYAN, A. Specific proposals to meet consumer needs. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 116:1-4. May 9, 1966. (JPRS 35,380; TT 66-31816) 173 J663Tro
Translation from Kommunist, Mar. 15:2.
- TUSHNYAKOVA, M. M. The influence of seed storage on the terminal effect of gamma radiation (Co⁶⁰). 11 p. Ref. Transl. 14730
Translation from Akademiya Nauk SSSR. Institut Genetiki. Trudy 29:185-193. 1962.
- TYABUT, D. Intrafarm accounting in Min-skaya oblast. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 57:1-4. Jan. 6, 1965. (JPRS 28,145) 173 J663Tso
Translation from Ekonomicheskaya Gazeta 40:30. Oct. 1964.
- *UDALOVA, T. P., and FEDOROVA, R. I. The effect of different nutrient compounds on the formation of gramicidin by *Bacillus brevis* var. G.-B. Microbiology 34(4):545-549. July/Aug. 1965. 448.3 M582Ae
- USATOV, D., and others. Development of new lands in Uzbekistan results in damage to some established lands. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:27-29. June 7, 1965. (JPRS 30,451) 173 J663Tso
A. Mavlyanov, M. Istomin, and A. Valiulin, joint authors.
Translation from Pravda Vostoka, Apr. 28, 1965:2.
- USMANOV, KH. U., and KHAKIMOV, KH. Heats of wetting of cotton cellulose and cellulose hydrate in water and aqueous solutions of electrolytes. 3 p. Transl. 15043
Translation from Akademiya Nauk Uzbekskoi SSR. Doklady 7:39-40. 1961.
- VASILEV, S. Some erroneous prescriptions in the regulation on premiums for management personnel on state farms. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 440:24-29. May 16, 1966. (JPRS 35,536; TT 66-31972) 173 J663Ste
Translation from Otchetnost i Kontrol 4:186-188. Apr. 1966.
- VASIL'YEV, G. The need for canneries. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 81:112-114. Mar. 31, 1965. (JPRS 29,357) 173 J663Tro
Translation from Ekonomicheskaya Gazeta Dec. 16, 1964:32.
- VINOGRADOV, B. V. Vegetation as an indicator in the interpretation of aerial photographs of desert landscapes in western Turkmenia. 11 p., map. Ref. (TT 65-50064) Transl. 14982
Translation from Vsesoyuznoe Geograficheskoe Obshchestvo. Izvestiya 93(1):69-76. Jan./Feb. 1961.
- *VISHNEVSKAYA, I. V. Mountain-taiga soils of the high taiga in eastern Tuva. Soviet Soil Sci. 8:903-910. Ref. Aug. 1965. 57.8 P34Ae
- VLADOV, D. The basic principles of the new system in agriculture. U. S. Joint Publ. Res. Serv. Transl. Econ. Organ. Manage. East. Europe 561:63-73. Apr. 11, 1966. (JPRS 34,978; TT 66-31416) 173 J663Tre
Translation from Naruchnikna Agitatora 23:75-88. Dec. 1965.
- VLASOV, N. Methods for determination of losses as a result of the depreciation of agricultural equipment. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:23-41. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi
Translation from Ekonomika Sel'skogo Khozyaistva 2:32-46. 1966.
- VODENICHAROV, D. G. Investigations of the genus *Botrydium* Wallr. in Bulgaria. 7 p. Transl. 14514
Translation from Ukrayins'kyi Botanichnyi Zhurnal 17(4):61-65. 1960.

- VOLOBUEZ, V. R. The soil zones of Eurasia. 8 p., map. Ref. (TT 65-50058) Transl. 14981
Translation from Akademiya Nauk SSSR.
Izvestiya. Seriya Biologicheskaya 4:542-549. 1960.
- VOSKRESENSKAYA, A. K., and LOPATINA, N. G. Conditioned reflexes in bees and the control of their flight activity. 4 p.
Transl. 14512
Translation from Akademiya Nauk SSSR. Institut Fiziologii imeni I. P. Pavlova. Voprosy fiziologii sel'skokhozyaistvennykh zhivotnykh 1957:93-96.
- VREJBA, S. Intensification of agricultural production. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 430:30-39. Apr. 7, 1966. (JPRS 34,956; TT 66-31394) 173 J663Ste
Translation from Probleme Agricole 1:8-15. Jan. 1966.
- VUKCEVIC, G. Premiums and discounts in agriculture in 1966. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 427:39-41. Mar. 28, 1966. (JPRS 34,738; TT 66-31177) 173 J663Ste
Translation from Glasnik 2:44-45. Feb. 1966.
- WANG, T. H. Distribution of vegetable alkaloids in plant life. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 284:4-18. Feb. 2, 1966. (JPRS 33,972; TT 66-30415) 173 J663Tcco
Translation from Sheng Wu Hsueh T'ung Pao 6:1-6. Nov. 1965.
- WANG, H. K. On using the EDTA titration method to determine the water soluble sulfate radicals of soils. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 171:22-26. Apr. 16, 1965. (JPRS 29,631; TT 65-30756) 173 J663Tcco
Translation from T'u Jang T'ung Pao 4:35-36. Aug. 1964.
- WALTER, R. East German agricultural policy. U. S. Joint Publ. Res. Serv. Transl. East. Europe. Agr. Forest. Food Indus. 438:1-8. May 10, 1966. (JPRS 35,434; TT 66-31870) 173 J663Ste
Translation from Deutsche Finanzwirtschaft 6:13-15. Mar. 1966.
- WATABE, T., and OKAMOTO, H. Experiments on the "Ryokka" phenomenon in glutinous rice grains. 5 p. Transl. 15144
Translation from Crop Science Society of Japan. Proceedings 29(1). n. d.
- WILHELMSSEN, G. Micromorphological and biochemical changes in wood during decomposition caused by enzymes. 11 p. Ref. Transl. 15898
Translation from Norsk Skogindustri 19(5):187-193. 1965.
- WEISER, F. Forest travel impressions from Rumania. 5 p. Transl. 15145
Translation from Allgemeine Forstzeitung 19(4):59-60. Jan. 25, 1964.
- WERTEJUK, M. On the infective larvae of the gastrointestinal nematodes of sheep, and their identification. 38 p. Ref. (OTS 61-31289) Transl. 14995
Translation from Acta Parasitologica Polonica 2(19):361-404. 1955.
- WILKOJC, A., and CIENSKA, K. Observations on water content variations in maize ears in the process of drying. 33 p. Ref. (OTS 61-31291) Transl. 14308
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 3(5):597-636. 1959.
- WU, C. The tropical relatives of the Chinese flora. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 161:54-66. Mar. 19, 1965. (JPRS 29,200; TT 65-30547) 173 J663Tcco
Translation from K'o Hsueh T'ung Pao 1:25-33. Jan. 7, 1965.
- WU, C. C. Conquer disaster for a bumper cotton harvest. U. S. Joint Publ. Res. Serv. Transl. Communist China's Food Agr. 78:11-16. Sept. 8, 1965. (JPRS 31,908; TT 65-32402) 173 J663Tcf
Translation from Chung-kuo Nung Pao 3:28-30. Mar. 10, 1965.
- WU, W. L. The effective antidote for organo-phosphorous drug poisoning—"Pyraldoximi methiodidum" (PAM). U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 161:107-115. Mar. 19, 1965. (JPRS 29,200; TT 65-30547) 173 J663Tcco
Translation from Yao Hsueh T'ung Pao 10(8):342-345. Aug. 1964.
- WU, Y. Y. Absorbency of phosphorus fertilizers by root system of soybean tested with P32. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135:11-19. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:16-18. Feb. 7, 1964.
- *YAKUSHEVSKAYA, I. V. Novgorod "Oak Forest soils." Soviet Soil Sci. 8:893-902. Ref. Aug. 1965. 57.8 P34Ae
- YAMAZAKI, T., and YOSHIZAWA, T. Speckles and concretions of ferrous carbonate (FeCO₃) in paddy soils. 1. 30 p. Ref. Transl. 15830
Translation from Hokuriku Agricultural Experiment Station. Bulletin, No. 2. n. d.
- YANG, H. T., and others. Effect and evaluation of light treatment on potato growth under dual-season cultivation. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 136:1-16. Jan. 15, 1965. (JPRS 28,321; TT 65-30138) 173 J663Tcco
T. F. Ch'en, S. Y. Yeh, and C. K. T'ung, joint authors.
Translation from Chung Kuo Nung Yeh K'o Hsueh 10:1-7. 1963.
- YANG, P. N., and LO, H. A. Research on growth effects on crops irrigated by waste water containing sap of cotton stem bark. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 192:1-9. June 30, 1965. (JPRS 30,869; TT 65-31385) 173 J663Tcco
Translation from T'u Jang T'ung Pao 3:30-32. June 1964.
- YEN, C. M., and others. The growth of cities and towns as related to agricultural development in Soochow—Wuhsi District. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 260:38-67, map. Dec. 14, 1965. (JPRS 33,311; TT 65-33886) 173 J663Tcco
C. T. Liu, T. W. Sun, and C. T. Lu, joint authors.
Translation from Ti Li Hsueh Pao 30(3):234-246. 1964.
- YESAULOV, P., and KONDRATYUK, N. The economic effectiveness of farm production on an industrial basis. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 66:9-21. May 4, 1965. (JPRS 29,891) 173 J663Tso
Translation from Voprosy Ekonomiki 2:62-70. Feb. 1965.
- YEVLAKOVA, A. A. Formulation of a microbiological method for combatting Eurygaster in their hibernation sites. 14 p. Ref. (OTS 61-16153) Transl. 14507
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii. Sbornik 9:323-340. 1958.
- YEZHEVSKII, A. Review of the draft directives of the 23rd congress of the CPSU. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 270:1-12. May 3, 1966. (JPRS 35,306; TT 66-31742) 173 J663Tsi
Translation from Ekonomicheskaya Gazeta 10:13-15. 1966.
- YU, W. C. Physiology of egg-laying of domestic fowls. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 159:1-5. Mar. 15, 1965. (JPRS 29,107; TT 65-30506) 173 J663Tcco
Translation from Chung-kuo Nung Yeh K'o Hsueh 5:31-33.
- YUAN, H. Y. Effect of phosphorus fertilizer in rice paddies of Red soil in hills of Hsiang-Chung. U. S. Joint Publ. Res. Serv. Transl. Communist China's Sci. Technol. 135:1-10. Jan. 14, 1965. (JPRS 28,291; TT 65-30126) 173 J663Tcco
Translation from T'u Jang T'ung Pao 1:13-16. Feb. 7, 1964.

YUNG, W. T. Develop the comprehensive use of lumber with artificial boards as the core. U. S. Joint Publ. Res. Serv. Transl. Hung-ch'i (Red Flag) 13:1-8. July 1, 1960. (JPRS 3920; SS 1062) 173 J663Trh

Translation from Hung Ch'i 13:15-19. July 1, 1960.

YUSUPKHODZHAIEV, M. KH. Development of India's national industry and the economic status of the worker class after independence. 38 p. Ref. (JPRS 33,767; TT 66-30210) Transl. 15797

Translation from Bor'ba narodov protiv kolonializma 1965:124-172.

ZACWILICHOWSKI, J. The innervation and sense organs of the wings of the honey bee (*Apis mellifera* L.). 19 p. Transl. 15241

Translation from Krakow. Akademia Umiejetnosci. Biuletyn Internacjonalny, Ser. B2, 9/10: 275-289. Nov./Dec. 1933.

*ZAITSEVA, G. N., GULKOVA, O. M., and KONDRAT'EVA, E. N. Biochemical changes in the cells of *Chromatium minutissimum* under photoautotrophic and photoheterotrophic conditions of growth. Microbiology 34(4):499-504. Ref. July/Aug. 1965. 448.3 M582Ae

ZAKHAROV, A. P. The department of technical information at the Minsk tractor plant. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:15-18. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi

Translation from Promyshlennost' Belorussii 1:21-22. 1966.

ZAILEVSKIY, A. How to determine requirements for tractors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 273:42-52. May 23, 1966. (JPRS 35,652; TT 66-32087) 173 J663Tsi

Translation from Ekonomika Sel'skogo Khozyaistva 2:47-54. 1966.

ZENKEVICH, L. A. Fauna and flora of the Aral Lake. 5 p., map. (JPRS 29,870; TT 65-30881) Transl. 15148

Translation from Morya SSSR, ikh fauna i flora 1956:367-370.

ZHAMOYDO, G. New developments in tractor starting motors. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 233:5-6. Oct. 21, 1965. (JPRS 32,493; TT 65-32972) 173 J663Tsi

Translation from Pravda Ukrainy, Aug. 4, 1965:3.

ZHELUDKOV, A. Economic efficiency of complex processing of wood. U. S. Joint Publ. Res. Serv. Transl. USSR Consum. Goods Dom. Trade 117:1-10. May 16, 1966. (JPRS 35,514; TT 66-31950) 173 J663Tro

Translation from Voprosy Ekonomiki 1:1-10. Jan. 1966.

ZIL'FAYAN, B. N., and ANANYAN, E. L. The tick, *Ornithodoros lahorensis* as carrier and transmitter of Brucellae. 2 p. (TT 64-15626) Transl. 15330

Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 6:14. 1953.

ZININ, T. Development of rice growing in Uzbekistan. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 74:7-10. June 7, 1965. (JPRS 30,451) 173 J663Tso

Translation from Sel'skaya Zhizn', Apr. 24, 1965:2.

ZLOMANOV, L. Proposals for improvement of fiscal policy in agriculture. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 200:65-74. July 1, 1965. (JPRS 30,914; TT 65-31413) 173 J663Sove

Translation from Ekonomicheskaya Gazeta 6:5-6. Feb. 1965.

*ZUBENOK, L. I. World maps of evaporativity. Soviet Hydrol. Selec. Pap. 3:274-289. Ref. 292.8 So8

ZUBIYETAN, V. The amortization fund of kolkhozes and sovkhoses. U. S. Joint Publ. Res. Serv. Transl. Soviet Agr. 63:29-32. Mar. 9, 1965. (JPRS 29,041) 173 J663Tso

Translation from Kommunist, Oct. 29, 1964:2.

*ZUBOV, L. P. On the variation of total runoff from agricultural fields—an outlook. Soviet Hydrol. Selec. Pap. 2:181-182. 1965. 292.8 So8

ZYABKO, M. Greater efficiency in planning and developing agricultural machinery. U. S. Joint Publ. Res. Serv. [Transl.] USSR Indus. Develop. Soviet Tractors Agr. Mach. 269:3-5. Apr. 29, 1966. (JPRS 35,259; TT 66-31696) 173 J663Tsi

Translation from Kazakhstanskaya Pravda, Oct. 15, 1965:3.

ZYAZEV, V. Electronic computers helpful in finding optimum method of gathering in the harvest. U. S. Joint Publ. Res. Serv. [Transl.] Soviet Econ. Syst. Struct. Policy 197:1-4. June 22, 1965. (JPRS 30,724) 173 J663Sove

Translation from Ekonomicheskaya Gazeta 19:32. May 12, 1965.

CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the National Agricultural Library, United States Department of Agriculture, Washington 25, D. C.

Agriculture Handbooks

BLAISDELL, F. W., and DONNELLY, C. A. Hydraulic design of the box-inlet-drop spillway. U. S. D. A. Agr. Handbook 301, 40 p. Apr. 1966. 1 Ag84Ah

Minnesota Agricultural Experiment Station, and St. Anthony Falls Hydraulic Laboratory of the University of Minnesota, cooperating.

Agricultural Information Bulletins

LUNDQUIST, A. L., and BOUMA, J. C. Reducing operating costs in affiliated produce warehouses. U. S. D. A. Agr. Inform. Bull. 304, 27 p. Ref. 1966. 1 Ag84Ab

U. S. CONSUMER AND MARKETING SERV. COTTON DIV. STANDARDS AND TESTING BR. Annual cotton quality survey; summary of results of fiber and processing tests from selected production areas, crop of 1965. U. S. D. A. Agr. Inform. Bull. 309, 121 p., map. Apr. 1966. 1 Ag84Ab

Farmers' Bulletins

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Swine production. U. S. D. A. Farmers' Bull. 2166, rev., 30 p. Apr. 1966. 1 Ag84F

Foreign Agricultural Economic Reports

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Food balances for 24 countries of the Western Hemisphere projected 1970; supplement 1 to the World Food Budget, 1970. U. S. D. A. Foreign Agr. Econ. Rep. 19, 24 p. Nov. 1964. A281.9 Ag8F

MOE, L. E. Ghana: supply and demand projections for farm products to 1975 with implications for U.S. exports. U. S. D. A. Foreign Agr. Econ. Rep. 30, 20 p., map. Mar. 1966. A281.9 Ag8F

Home and Garden Bulletins

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Poultry in family meals; a guide for consumers. U. S. D. A. Home Gard. Bull. 110, 30 p. Mar. 1966. 1 Ag84Hg

Leaflets

BOSWELL, V. R. Growing eggplant [Solanum melongena]. U. S. D. A. Leaflet 351, 4 p. Apr. 1966. 1 Ag84L

HRUSCHKA, H. W., and others. Seed potato productivity after cooling, supercooling, or freezing. U. S. D. A. Marketing Res. Rep. 507, 14 p. Ref. Apr. 1966. 1 Ag84Mr

R. V. Akeley, E. H. Ralph, R. L. Sawyer, and A. E. Schark, joint authors.

SHANKLIN, E. H., SEMRAU, K., and LAFERNEY, P. E. Comparative effects of an experimental and a conventional seed cotton drying system on cotton fiber properties. U. S. D. A. Marketing Res. Rep. 733, 11 p. Apr. 1966. 1 Ag84Mr

MCCOLLOCH, L. P., YEATMAN, J. N., and LOYD, P. Color changes and chilling injury of pink tomatoes held at various temperatures. U. S. D. A. Marketing Res. Rep. 735, 6 p. Ref. May 1966. 1 Ag84Mr

CHASE, W. G., and others. Factors affecting the quality of grapefruit exported from Florida. U. S. D. A. Marketing Res. Rep. 739, 21 p. Ref. Mar. 1966. 1 Ag84Mr

P. L. Harding, J. J. Smoot, and R. H. Cubbage, joint authors.

BRANK, A. W., STARR, P. B., and HAMANN, J. A. The bacteriological, chemical, and physical requirements for commercial egg cleaning. U. S. D. A. Marketing Res. Rep. 740, 21 p. Apr. 1966. 1 Ag84Mr

California Agricultural Experiment Station, cooperating.

PODANY, J. C., FARRISH, R. O. P., and BOHALL, R. W. Citrus prices and market structure in the Lower Rio Grande Valley of Texas. U. S. D. A. Marketing Res. Rep. 748, 32 p. Apr. 1966. 1 Ag84Mr

Miscellaneous Publications

U. S. DEPT. OF AGRICULTURE. OFF. OF INFORMATION. USDA films for television, 1966. U. S. D. A. Misc. Publ. 942, rev., 59 p. Feb. 1966. 1 Ag84M

Production Research Reports

DETROY, B. F. A cloth strainer for honey conditioning systems. U. S. D. A. Prod. Res. Rep. 90, 6 p. Mar. 1966. A281.9 Ag8

Program Aid

SABROSKY, L. K. Meeting the basic needs of first-year 4-H club members. U. S. D. A. PA-203, 8 p. Mar. 1966. 1 Ag84Pro

U. S. CONSUMER AND MARKETING SERV. PACKERS AND STOCKYARDS DIV. The Packers and Stockyards Act; what it is, how it operates. U. S. D. A. PA-399, slightly rev., 9 p., map. July 1965. 1 Ag84Pro

U. S. FOREST SERV. Camping; the National Forests, America's playgrounds. U. S. D. A. PA-502, rev., 16 p., map. Mar. 1966. 1 Ag84Pro

U. S. DEPT. OF AGRICULTURE. What the U.S. Department of Agriculture can do—when natural disaster strikes. U. S. D. A. PA-533, 8 p.-folder. Apr. 1966. 1 Ag84Pro

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The 1966 Feed Grain Program; a general explanation prepared especially for Agricultural Stabilization and Conservation committeemen. U. S. D. A. PA-688, 12 p. Dec. 1965. 1 Ag84Pro

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Watershed work begins on the farm. U. S. D. A. PA-689, 6 p.-folder. Mar. 1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families: key nutrients. U. S. D. A. PA-691,4 p. Jan.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families: principles of cookery. U. S. D. A. PA-692,4 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families: eat to live better. U. S. D. A. PA-694,4 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families: meal planning made easy. U. S. D. A. PA-695,4 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Selecting and buying food; food for young families. U. S. D. A. PA-696,4 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Food for young families; a series of nutrition lessons, guide for extension home economists. U. S. D. A. PA-700,18 p. Ref. Mar.1966. 1 Ag84Pro

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Protecting your water supply at its source. U. S. D. A. PA-702,8 p.-folder. Mar.1966. 1 Ag84Pro

PHIFER, B., and SPURLOCK, D. Federal-State programs for occupational education & training. U. S. D. A. PA-703,23 p. Mar.1966. 1 Ag84Pro

U. S. FARMERS HOME ADMIN. Need a little help? Want to make more money farming? Or start a little business? Or do a better job with the one you have? U. S. D. A. PA-706,3 p. Apr.1966. 1 Ag84Pro

FRASIER, R. C., and POPE, E. V. Helping parents teach young children; a guide for home economics program assistants. U. S. D. A. PA-712,13 p. Apr.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Talk and listen; a guide for parents. U. S. D. A. PA-718,8 p. Mar.1966. 1 Ag84Pro

U. S. FEDERAL EXTENSION SERV. Learning different shapes; a guide for parents. U. S. D. A. PA-724,8 p. Apr.1966. 1 Ag84Pro

U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. Don't help hitchhiking bugs. U. S. D. A. PA-729,4 p. May 1966. 1 Ag84Pro

Service and Regulatory Announcements

U. S. CONSUMER AND MARKETING SERV. Official United States standards for grades of feeder pigs. U. S. Consum. Marketing Serv. C&MS-SRA 189,4 p. Feb.1966. 1 M34S

Statistical Bulletins

PHELPS, R. B. Wood products used in single-family houses inspected by the Federal Housing Administration, 1959 and 1962. U. S. D. A. Statist. Bull. 366,32 p.,map. Mar.1966. 1 Ag84St

GOODSELL, W. D., and JENKINS, I. Costs and returns on commercial farms, long-term study, 1954-63. U. S. D. A. Statist. Bull. 368, 109 p.,map. Mar.1966. 1 Ag84St

U. S. CONSUMER AND MARKETING SERV. TOBACCO DIV. Annual report on tobacco statistics, 1965. U. S. D. A. Statist. Bull. 372, 71 p.,map. Apr.1966. 1 Ag84St

U. S. CONSUMER AND MARKETING SERV. FRUIT AND VEGETABLE DIV. MARKET NEWS BR. Fresh fruit and vegetable prices, 1965. U. S. D. A. Statist. Bull. 373,34 p. Apr. 1966. 1 Ag84St

U. S. CONSUMER AND MARKETING SERV. DAIRY DIV. Federal milk order market statistics; annual summary for 1965. U. S. D. A. Statist. Bull. 374,102 p.,map. May 1966. 1 Ag84St

Technical Bulletins

SIMPSON, J. E., and others. Quality evaluation studies of foreign and domestic rices. U. S. D. A. Tech. Bull. 1331,186 p. Ref. Oct. 1965. 1 Ag84Te

C. R. Adair, G. O. Kohler, E. H. Dawson, H. J. Deobald, E. B. Kester, J. T. Hogan, O. M. Batcher, and J. V. Halick, joint authors.

SHARP, A. L., GIBBS, A. E., and OWEN, W. J. Development of a procedure for estimating the effects of land and watershed treatment on streamflow. U. S. D. A. Tech. Bull. 1352,57 p.,map. Mar.1966. 1 Ag84Te

U. S. Department of the Interior, cooperating.

SKOLD, M. D., and HEADY, E. O. Regional location of production of major field crops at alternative demand and price levels, 1975; a linear programming analysis. U. S. D. A. Tech. Bull. 1354,63 p.,map. Ref. Apr.1966. 1 Ag84Te

Iowa State University of Science and Technology, Agriculture and Home Economics Experiment Station, and the Center for Agricultural and Economic Development, cooperating.

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE. Evaluation and recommendations for Lower Moulouya Irrigation Project of Morocco, prepared by study team, U.S. Department of Agriculture and U.S. Department of Interior, for U.S. Department of State, Agency for International Development, August-October, 1965. Washington, 1965. 40 p.,map. Ref. aS616.M6U5

U. S. DEPT. OF AGRICULTURE. Improving the organization of agricultural services in Paraguay; report of a study team, October-November 1965, prepared by U.S. Department of Agriculture, in cooperation with Agency for International Development. Washington, 1965. 54 p.,map. aS471.P3A2

Members of study team: W. L. Popham, A. F. Arnold, C. L. Horn, and L. M. Schruben.

U. S. DEPT. OF AGRICULTURE. Report of the Secretary of Agriculture, 1965. Washington, 1966. 79 p. 1 Ag84A

U. S. DEPT. OF AGRICULTURE. U.S. food exhibitions around the world. Washington, 1966. 11 p. aTX346.A2U5

U. S. DEPT. OF AGRICULTURE. GRAIN AND FORAGE CROPS RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at meeting, February 28-March 4, 1966, Manhattan, Kansas. Washington, Research Program Development and Evaluation Staff, 1966. 12 p. A59.9 R314

U. S. DEPT. OF AGRICULTURE. PEANUT, AND SUGAR CROPS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the third meeting, Washington, D. C., January 24-27, 1966. Washington, Research Program Development and Evaluation Staff, 1966. 12 p. A77.9 R313

AGRICULTURAL RESEARCH SERVICE

BRACKENSIEK, D. L., HEATH, A. L., and COMER, G. H. Numerical techniques for small watershed flood routing. U. S. Agr. Res. Serv. ARS-41-113,41 p. Feb.1966. A56.9 R31

BRUUN, J. H., and SPEEL, H. C. Agricultural raw materials for industrial use, 1963 and 1964. U. S. Agr. Res. Serv. ARS-20-14,19 p. Ref. Mar.1966. A31.3 R31Ar

CLYMA, W., and LOTSPEICH, F. B. Water resources in the High Plains of Texas and New Mexico. U. S. Agr. Res. Serv. ARS-41-114, 14 p.,map. Ref. Jan.1966. A56.9 R31

CONFERENCE ON RUMEN FUNCTION, 8, CHICAGO, 1965. Report. Washington, U. S. Agr. Res. Serv., 1966. 23 p. 1.98 R2929

Abstracts of papers presented.

- DECOURSEY, D. G. A runoff hydrograph equation. U. S. Agr. Res. Serv. ARS-41-116, 23 p. Feb. 1966. A56.9 R31
- GRIFFIN, J. G. Radiant energy distribution of three gas-fired infrared chick brooders. U. S. Agr. Res. Serv. ARS-42-114, 16 p. Ref. Mar. 1966. A58.9 R31
- GRIFFITH, E., and HYLAND, H. L. Plant material introduced January 1 to December 31, 1956 (Nos. 230877 to 236142). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 164, 245 p. Apr. 1966. 1 P698I
- HALE, P. W., and MALLISON, E. D. Prepackaging pole beans in trays and polyethylene bags. U. S. Agr. Res. Serv. ARS-52-(n.s.)10, 12 p. Apr. 1966. A289.9 R31
- HARMOND, J. E. Automatic pickup for bags, tags, and cartons in packaging and labeling agricultural products. U. S. Agr. Res. Serv. ARS-42-117, 6 p. Feb. 1966. A58.9 R31
- NORTH CENTRAL CORN BREEDING RESEARCH COMMITTEE. Report of the minutes of the meeting, Chicago, Illinois, March 2-3, 1966. Washington, U. S. Agr. Res. Serv., Crops Res. Div., 1966. 35 p. A59.9 R312
- ROSA, J. M. An electric analog for computing direct surface runoff. U. S. Agr. Res. Serv. ARS-41-118, 28 p. Ref. Apr. 1966. A56.9 R31
- U. S. AGRICULTURAL RESEARCH SERV. ARS guide to work simplification. Washington, 1966. 40 p. aHF5547.A5
- U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program. U. S. Agr. Res. Serv. ARS 44-175, 13 p., map. Mar. 1966. A49.9 R31A
- U. S. AGRICULTURAL RESEARCH SERV. National Cooperative Dairy Herd Improvement Program; 1,749,752 lactation records reported in 1965. U. S. Agr. Res. Serv. ARS-44-173, 4 p. Mar. 1966. A49.9 R31A
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE AND PARASITE RESEARCH DIV. Index-catalogue of medical and veterinary zoology, supplement 15: parasite-subject catalogue. Parasites: protozoa, by J. M. Humphrey and D. B. Segal, with the assistance of M. I. Beard, S. J. Edwards, and M. D. Kirby. Washington, 1966. 57 p. 1 An5Ind
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State-Federal Brucellosis Eradication Program, statistical tables, fiscal year 1965. Washington, 1965. 7 p. A41.9 R317Cb
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Cooperative State Federal Hog Cholera Eradication Program, progress report, 1965. U. S. Agr. Res. Serv. ARS 91-56, 36 p., map. Jan. 1966. A41.9 R315Ar
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HEALTH DIV. Duties and responsibilities of accredited veterinarians. U. S. Agr. Res. Serv. ARS 91-6-3, 32 p. Feb. 1966. A41.9 R315Ar
- U. S. AGRICULTURAL RESEARCH SERV. ANIMAL HUSBANDRY RESEARCH DIV. Producers of bantams, ducks, geese, and game birds. U. S. Agr. Res. Serv. Anim. Husb. Res. Div. CA-44-25, rev., 4 p. Mar. 28, 1966. A49.9 R312C
- U. S. AGRICULTURAL RESEARCH SERV. PLANT QUARANTINE DIV. List of intercepted plant pests, 1965 (Pests recorded from July 1, 1964, through June 30, 1965), compiled by B. C. Mumford. Hyattsville, Md., 1966. 88 p. 1 F31S
- WEBB, T. F. Feasibility tests of selected stimuli and devices to drive livestock. U. S. Agr. Res. Serv. ARS-52-11, 19 p. Apr. 1966. A289.9 R31
- AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE
- U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Distribution of 1965 tobacco acreage allotments, by size groups. Washington, 1965. 8 p. aHD9136.A3
- U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1965 annual conference, April 21-22, 1965, Burlington, Vermont. n.p., 1965. 78 p. A281.9 V59
Including address by Hon. R. T. Stafford.
- COMMODITY CREDIT CORPORATION
- U. S. COMMODITY CREDIT CORPORATION. Report of Title II, P. L. 480 operations: famine, emergency relief and economic development assistance to foreign countries. No. 70, period covered: inception through March 31, 1966. Washington, 1966. 16 p. A284.29 C73R
- CONSUMER AND MARKETING SERVICE
- U. S. CONSUMER AND MARKETING SERV. POULTRY DIV. List of plants operating under USDA poultry and egg inspection and grading programs. Washington, 1966. 72 p. aHD9437.U5A3
- ECONOMIC RESEARCH SERVICE
- BIRD, K. Change—farm marketing's secret armor; talk to the sixth Food Distribution Research Conference, Columbia, Missouri, Oct. 29, 1965. Washington, U. S. D. A., Econ. Res. Serv., Marketing Econ. Div., 1965. 14 p. aH9005.A5
- BROWN, S. E., and PAPE, E. C. Influence of packaging and labeling on sales of interior Florida grapefruit, a sales test. U. S. D. A. Econ. Res. Serv. ERS-282, 8 p. Apr. 1966. A281.9 Ag83E
- HARTNETT, H. B. Marketing economics research publications, a reference list. U. S. D. A. Econ. Res. Serv. ERS-205, slightly rev., 56 p. Apr. 1965. A281.9 Ag83E
- KRUER, G. R. Reserves, trade economic growth in 1965. U. S. D. A. Econ. Res. Serv. Foreign Gold Exch. Reserves, May 1965, 15 p. A284.9 Ag842
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Costs of storing and handling grain in commercial elevators, 1964-65. U. S. D. A. Econ. Res. Serv. ERS-288, 31 p. Apr. 1966. A281.9 Ag83E
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Farm income, State estimates 1949-1964; a supplement to the July 1965 farm income situation. U. S. D. A. Econ. Res. Serv. FIS-199(sup.), 135 p., map. Aug. 1965. 1.941 F8F22
- U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Indices of agricultural production for the 20 Latin American countries (plus country tables for Jamaica and Trinidad and Tobago), revised 1954 through 1964, preliminary 1965. U. S. D. A. Econ. Res. Serv. ERS-Foreign-44, rev., 26 p. Jan. 1966. A281.9 Ag83
- WEST, Q. M. World food needs; paper presented at Utah's tenth annual Agricultural and Industry Conference, Salt Lake City, Utah, February 16, 1966. Washington, U. S. D. A. Econ. Res. Serv., 1966. 25 p., map. aHD90005.A5

FARMER COOPERATIVE SERVICE

EXPANDING horizons for cooperative service; a digest of the 28th annual FCS workshop, November 29-December 2, 1965. Washington, U.S. Farmer Coop. Serv., 1966. 36 p. A280.28 F22H

FEDERAL EXTENSION SERVICE

U. S. FEDERAL EXTENSION SERV. A calendar of 4-H events, January, 1966 to June, 1967; national, regional, State. Washington, 1966. 33 p. A225 F312C

U. S. FEDERAL EXTENSION SERV. Extension programs for rural youth of low-income families; a report of a survey conducted by W. F. Pease, at the request of ECOP's [Extension Committee on Organization and Policy] Task Force on Work with Youth of Low-Income Families in Rural Areas, in cooperation with the Division of 4-H and Youth Development, FES. Washington, 1965. 56 p. AS544.A2P4

U. S. FEDERAL EXTENSION SERV. A year of double trouble. Washington, 1966. 21 p., map. AHV636.A2

Office of Civil Defense, cooperating.

FOREIGN AGRICULTURAL SERVICE

BIRKHEAD, J. W., and DAVIS, A. B. Changes in import duties on tobacco in free world countries, 1957-1965. U. S. Foreign Agr. Serv. FAS-M-177,101 p. Apr.1966. A281.9 F76Fm

BURKE, J. H. Citrus industry of Greece. U. S. Foreign Agr. Serv. FAR-[Foreign Agriculture Report] 129,38 p., map. Mar.1966. 1.943 F763

FOREST SERVICE

BREUER, E. H. A strain gage differential weighing system. U. S. Forest Serv. Res. Note INT-40,8 p. 1965. A99.9 F764Un

BROWN, J. K. Estimating crown fuel weights of red pine [*Pinus resinosa*] and jack pine [*Pinus banksiana*]. U. S. Forest Serv. Res. Paper LS-20,12 p. Oct.1965. A99.9 F7624U

CARPENTER, E. M., and QUINNEY, D. N. Balsam fir dimension lumber in selected Minnesota markets. U. S. Forest Serv. Res. Paper LS-21,13 p., map. Oct.1965. A99.9 F7624U

DEALY, J. E. Spotlighting deer; potentials for management in western Oregon. U. S. Forest Serv. Res. Note PNW-32,8 p. Jan.1966. A99.9 F7625U

EMBRY, R. S., and HAACK, P. M. Volume tables and equations for young-growth western hemlock and Sitka spruce in southeast Alaska. U. S. Forest Serv. Res. Note NOR-12, 21 p. Dec.1965. A99.9 F7672U

FFOLLIOTT, P. F., and WORLEY, D. P. An inventory system for multiple use evaluations. U. S. Forest Serv. Res. Paper RM-17,15 p., map. Ref. Dec.1965. A99.9 F7632U

GEORGE, C. W., and HARDY, C. E. Fire retardant viscosity measured by modified Marsh Funnel. U. S. Forest Serv. Res. Note INT-41, 4 p. 1966. A99.9 F764Un

HEEBINK, B. G. Reaction of unbalanced panel construction to slow and rapid changes in relative humidity. U. S. Forest Serv. Res. Note FPL-0116,9 p. Jan.1966. A99.9 F7634Un

HOYLE, M. C. Addition of phosphorus to subsoil promotes root development of yellow birch [*Betula alleghaniensis*]. U. S. Forest Serv. Res. Note NE-42,7 p. 1965. A99.9 F7622U

JOHNSON, F. A. Bark factors for Douglas-fir. U. S. Forest Serv. Res. Note PNW-34,3 p. Jan.1966. A99.9 F7625U

KORMANIK, P. P. Predicting site index for Virginia, loblolly, and shortleaf pine in the Virginia Piedmont. U. S. Forest Serv. Res. Paper SE-20,14 p., map. Feb.1966. A99.9 F7623U

LAPAGE, W. F. Success of campgrounds studied as guide to recreation planners. U. S. Forest Serv. Res. Note NE-43,7 p., map. 1966. A99.9 F7622U

LYSONS, H. H., BINKLEY, V. W., and MANN, C. N. Logging test of a single-hull balloon. U. S. Forest Serv. Res. Paper PNW-30,20 p. 1966. A99.9 F7625Un

MCCURDY, D. R., and MISCHON, R. M. A look at the private campground user. U. S. Forest Serv. Res. Paper CS-18,12 p. Dec.1965. A99.9 F7629U

MOODY, R. C., and KONING, J. W. Effect of loading rate on the edgewise compressive strength of corrugated fiberboard. U. S. Forest Serv. Res. Note FPL-0121,11 p. Ref. Apr.1966. A99.9 F7634Un

MOORE, W. E., and EFFLAND, M. J. Spreader for the preparation of uniform plates for thin-layer chromatography. U. S. Forest Serv. Res. Note FPL-0119,4 p. Feb.1966. A99.9 F7634Un

PETERS, C. C., and LUTZ, J. F. Some machining properties of two wood species grown in Hawaii—molucca albizzia [*Albizzia falcata*] and nepal alder [*Alnus nepalensis*]. U. S. Forest Serv. Res. Note FPL-0117,17 p. Feb. 1966. A99.9 F7634Un

Pacific Southwest Forest and Range Experiment Station, U. S. Forest Service; the Forestry Division, Hawaii Department of Land and Natural Resources; and Hawaiian Fern-Wood, Ltd., cooperating.

REINEKE, L. H. Volume loss from inaccurate sawing. U. S. Forest Serv. Res. Note FPL-0111,5 p. Jan.1966. A99.9 F7634Un

REINEKE, L. H. Wood flour. U. S. Forest Serv. Res. Note FPL-0113,13 p. Ref. Jan. 1966. A99.9 F7634Un

RIDD, M. K. Area-oriented multiple use analysis. U. S. Forest Serv. Res. Paper INT-21, 14 p., map. 1965. A99.9 F764U

SANDER, D. H. Height growth characteristics of Siberian elm [*Ulmus pumila*] in Central Great Plains windbreaks. U. S. Forest Serv. Res. Note RM-59,4 p. Dec.1965. A99.9 F7632Us

SCHAEFFER, R. E. Preliminary study of the gluing of ammonium salt-treated wood with resorcinol-resin glues. U. S. Forest Serv. Res. Note FPL-0112,9 p. Jan.1966. A99.9 F7634Un

SCHAEFFER, E. L., and EICKNER, H. W. Effect of wall linings on fire performance within a partially ventilated corridor. U. S. Forest Serv. Res. Paper FPL 49,28 p. Dec. 1965. A99.9 F7634U

American Hardboard Association, cooperating.

SMITH, R. C., and GEDNEY, D. R. Manpower use in the wood-products industries of Oregon and Washington, 1950-1963. U. S. Forest Serv. Res. Paper PNW-28,48 p. 1965. A99.9 F7625Un

U. S. FOREST SERV. Annual fire report for the national forests, calendar year 1965. Washington, 1966. 20 p. 1.962 A2N212

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Annual report of research. Madison, 1965. 44 p. A99.9 F7634A

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Condensation in farm buildings. U. S. Forest Serv. Res. Note FPL-0114, 9 p. Jan.1966. A99.9 F7634Un

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. List of publications on mechanical properties and structural uses of wood and wood products. Madison, Wis., 1965. 53 p.,map. aZ7914.W8U5

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. News and views of this kiln-drying business: operation and maintenance of lumber dry kilns. U. S. Forest Serv. Res. Note FPL-0118,13 p. Feb.1966. A99.9 F7634Un

U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Sawdust floor-sweeping compounds. U. S. Forest Serv. Res. Note FPL-0115,4 p. Jan.1966. A99.9 F7634Un

U. S. FOREST SERV. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION. The flora of the Starkey Experimental Forest and Range, by G. S. Strickler. Portland, Oreg., 1965. 85 p. aQK182.A5

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 1. How to use trees to protect land and crops, by R. A. Read. Fort Collins, Colo., 1955. 8 p. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 2. How to select tree and shrub species, by R. A. Read. Fort Collins, Colo., 1965. 8 p.,map. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 3. How to arrange and space trees and shrubs, by R. A. Read. Fort Collins, Colo., 1965. 7 p. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 4. How to prepare land and plant trees, by R. A. Read. Fort Collins, Colo., 1965. 8 p. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 5. How to maintain new tree plantings, by R. A. Read. Fort Collins, Colo., 1965. 6 p. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 6. How to protect them for damage, by R. A. Read. Fort Collins, Colo., 1965. 7 p. aSB437.A3

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Windbreaks for the Central Great Plains. 7. How to manage established plantings, by R. A. Read and D. F. Van Haverbeke. Fort Collins, Colo., 1965. 7 p. aSB437.A3

WILLIAMSON, R. L. Thinning response in 110-year-old Douglas-fir. U. S. Forest Serv. Res. Note PNW-36,7 p.,map. Feb.1966. A99.9 F7625U

WORTHINGTON, N. P. Response to thinning 60-year-old Douglas-fir. U. S. Forest Serv. Res. Note PNW-35,5 p. Feb.1966. A99.9 F7625U

INTERNATIONAL AGRICULTURAL DEVELOPMENT SERVICE

U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. Guidelines; USDA's responsibilities in foreign agricultural training. Washington, 1965? 10 p. A275.1 In8
In partnership with the Agency for International Development.

U. S. INTERNATIONAL AGRICULTURAL DEVELOPMENT SERV. A year of progress; annual summary, 1965. Washington, 1965. 36 p., map. A275.29 F76
In partnership with the Agency for International Development.

NATIONAL AGRICULTURAL LIBRARY

U. S. NATIONAL AGRICULTURAL LIBRARY. Agricultural/biological subject category list. Washington, 1965. 48 p. aZ695.1.A4U5
Prepared by its Agricultural Vocabulary Project.

U. S. NATIONAL AGRICULTURAL LIBRARY. The National Agricultural Library and its activities, compiled by C. W. Mehring. Washington, 1966. 27 p. aZ733.N3A5

SOIL CONSERVATION SERVICE

COTTON, J. A. Soil survey of Fayette County, Alabama. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(4),117 p.,map. Ref. Nov.1965. 1 So32F

Alabama Department of Agriculture and Industries, and Alabama Agricultural Experiment Station, cooperating.

CRAFT, R. W., and others. Soil survey of Marlboro County, South Carolina. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1962(7),109 p., map. Ref. Nov.1965. 1 So32F
W. L. Colburn, F. L. Green, C. B. Lawrence, J. J. Pitts, T. R. Gerald, and W. J. Camp, joint authors.

South Carolina Agricultural Experiment Station, cooperating.

DITTEMORE, W. H., and others. Soil survey of Gaines County, Texas. U. S. Soil Conserv. Serv. Soil Surv. Ser. 1961(34),55 p.,map. June 1965. 1 So32F

C. May, W. L. De Lozier, D. L. McClennon, and H. W. Hyde, joint authors.

Texas Agricultural Experiment Station, cooperating.

U. S. SOIL CONSERVATION SERV. Resource conservation and development projects handbook. Washington, 1965. 61 p. aS914.U5

STATISTICAL REPORTING SERVICE

U. S. CROP REPORTING BOARD. Chickens and eggs, including broiler production; production, disposition, cash receipts, and gross income, 1964-65, by States. Washington, 1966. 12 p. 1.9 Ec71Fpc

U. S. CROP REPORTING BOARD. Cut flowers: production and sales, 1964 and 1965; intentions for 1966 in selected States. Washington, 1966. 11 p. A81 M342C

U. S. CROP REPORTING BOARD. Field and seed crops: production, farm use, sales, value, by States, 1964-1965. Washington, 1966. 38 p. 1.9 Ec71Prf

U. S. CROP REPORTING BOARD. Livestock slaughter, meat and lard production, 1965. Washington, 1966. 34 p. 1.941 H8L7557

U. S. CROP REPORTING BOARD. Milk production, disposition, and income, 1964-65, by G. G. Butler and K. D. Ackers. Washington, 1966. 16 p. 1.942 D22F22

U. S. CROP REPORTING BOARD. Naval stores 1965-66 annual report; production, supply, distribution, consumption and stocks of turpentine and rosin and related data, for the United States, May, 1966. Washington, 1966. 11 p. 1.941 S8N22

U. S. CROP REPORTING BOARD. Summary of regional cold storage holdings, 1965. Washington, 1966. 22 p. 1.956 M34Su62

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

PROGRESSIVE agriculture in Arizona 18(1),28 p. Jan./Feb.1966. 6 P9452

Arkansas Agricultural Experiment Station, Fayetteville

WATSON, W. S., and PHILLIPS, R. E. Effect of vertical mulching a plowpan soil on growth and yield of corn. Ark. Agr. Exp. Sta. Bull. 707, 22 p. Ref. Mar.1966. 100 Ar42

SHOOK, J. G., and others. How turkey breeders may select for feed conversion. Ark. Agr. Exp. Sta. Bull. 710,16 p. Apr.1966. 100 Ar42
J. E. Valentine, L. D. Andrews, and N. R. Gyles, joint authors.

California Agricultural Experiment Station, Berkeley

WAGNON, K. A., and CARROLL, F. D. Reproduction difficulties in range beef cattle. Calif. Agr. Exp. Sta. Bull. 822,28 p.,map. Ref. Feb.1966. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

DENHAM, A. H., DAUGHTERTY, F. C., and HINZE, G. O. Winter roughage rations for steer calves, 1964-65. Colo. Agr. Exp. Sta. Colo. Progr. Rep. 161,1 p. Aug.1965. 100 C71C

Not available for free distribution. Photocopies may be ordered from the Library.

Connecticut (Storrs) Agricultural Experiment Station, Storrs

MOFFETT, R. E. Regional import restrictions as a tool to reduce price variability. Conn. (Storrs) Agr. Exp. Sta. Bull. 391,24 p. Oct. 1965. 100 C76S

STOCKWELL, E. G., and MATTERSON, H. P. The population of Connecticut: occupational composition of the labor force, 1960. Conn. (Storrs) Agr. Exp. Sta. Bull. 393,19 p. Feb. 1966. 100 C76S

SMITH, A. C., BENSON, R. H., and COWAN, W. A. Some interrelationships between fat, protein, and SNF content of milk. Conn. (Storrs) Agr. Exp. Sta. Res. Rep. 9,19 p. Ref. Jan.1966. 100 C76Re

Florida Agricultural Experiment Station, Gainesville

WALLACE, H. D., and others. Feed restriction of swine during the finishing period. Fla. Agr. Exp. Sta. Bull. 706,34 p. Ref. Feb.1966. 100 F66S

A. Z. Palmer, J. W. Carpenter, and G. E. Combs, joint authors.

ENO, C. F. Chicken manure; its production, value, preservation, and disposition. Fla. Agr. Exp. Sta. Circ. S-140,18 p. May 1966. 100 F66Ci

CAMPBELL, C. W. The Golden Star carambola [Averrhoa carambola]. Fla. Agr. Exp. Sta. Circ. S-173,6 p. Nov.1965. 100 F66Ci

HENTGES, J. F., and others. Replacement value of dried citrus meal for corn meal in beef cattle diets. Fla. Agr. Exp. Sta. Tech. Bull. 708,22 p. Ref. Mar.1965. 100 F66S

J. E. Moore, A. Z. Palmer, and J. W. Carpenter, joint authors.

Georgia Agricultural Experiment Stations, Athens

AMICK, R. J., ELROD, J. C., and MCCULLOUGH, M. E. Minimum cost dairy rations for Georgia. Ga. Agr. Exp. Sta. Bull. (n.s.)150, 18 p.,map. Dec.1965. 100 G293B

ANDERSON, R. F. Costs of assembling and ginning cotton in Georgia related to size of gin. Ga. Agr. Exp. Sta. Bull. (n.s.)153,35 p.,map. Mar.1966. 100 G293B

JONES, H. B. Economic importance of the poultry industry in north Georgia. Ga. Agr. Exp. Sta. Circ. (n.s.)43,21 p.,map. Jan.1966. 100 G293Ci
U. S. Department of Agriculture, cooperating.

Illinois Agricultural Experiment Station, Urbana

GEYER, W. A., and GILMORE, A. R. Effect of spacing on wood specific gravity in loblolly pine [Pinus taeda L.] in southern Illinois. Ill. Agr. Exp. Sta. Forest. Note 113,5 p. May 3, 1965. 99.9 IL62

Indiana Agricultural Experiment Station, Lafayette

CASPALL, K. K., and EISGRUBER, L. M. Functional accounting for farm management decision making. Ind. Agr. Exp. Sta. Res. Progr. Rep. 216,26 p. Ref. Feb.1966. 100 In2Res

WILSON, L. L., and others. Comparison of early weaning, creep feeding and non-creep feeding for fall calves at the Southern Indiana Forage Farm. Ind. Agr. Exp. Sta. Res. Progr. Rep. 238,4 p. Apr.1966. 100 In2Res

K. Hawkins, C. J. Kaiser, and R. E. Erb, joint authors.

DREWRY, K. J., and others. Summary of Forage Farm calf growth data. Ind. Agr. Exp. Sta. Res. Progr. Rep. 240,2 p. Apr.1966. 100 In2Res

L. L. Wilson, R. R. Garrigus, K. Hawkins, and C. J. Kaiser, joint authors.

BROWN, C. M., and DILLON, W. M. Forage Farm dairy management and production results. Ind. Agr. Exp. Sta. Res. Progr. Rep. 242,2 p. Apr.1966. 100 In2Res

Iowa Agricultural and Home Economics Experiment Station, Ames

HEADY, E. O., PESEK, J. T., and RAO, V. Y. Fertilizer production functions from experimental data with associated supply and demand relationships. Iowa Agr. Home Econ. Exp. Sta. Res. Bull. 543:655-678. Mar.1966. 100 Io9

IOWA farm science 20(10),16 p.,map. Apr. 1966. 275.28 Io94

Kansas Agricultural Experiment Station, Manhattan

- CARPENTER, W. J., and SHACKELFORD, T. B. Garden Chrysanthemums in Kansas. *Kans. Agr. Exp. Sta. Bull.* 485,46 p. Apr.1966. 100 K13S
- TIEMEIER, O. W. Kansas farm ponds. *Kans. Agr. Exp. Sta. Bull.* 488,64 p. Ref. Jan.1966. 100 K13S
- KANSAS, AGRICULTURAL EXPERIMENT STATION. 53rd livestock feeders' day, 1965-1966 progress reports. *Kans. Agr. Exp. Sta. Bull.* 493,102 p. May 7,1966. 100 K13S
- THOMPSON, H. E. Controlling elm leaf beetles [*Gallerucella luteola*]. *Kans. Agr. Exp. Sta. Bull.* 386,rev.,4 p.,map. Feb.1966. 100 K13S
- HOBBS, J. A., and BROWN, P. L. Effects of cropping and management on nitrogen and organic carbon contents of a western Kansas soil. *Kans. Agr. Exp. Sta. Tech. Bull.* 144,37 p. Ref. Nov.1965. 100 K13S
- ELEFThERIOU, B. E., and ZOLOVICK, A. J. The forebrain of the deermouse in stereotaxic coordinates. *Kans. Agr. Exp. Sta. Tech. Bull.* 146,20 p. Ref. Dec.1965. 100 K13S

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

- HUDSON, J. F., and COCHEBA, D. J. Costs of cotton lint and cottonseed shipments from gins to warehouses and oil mills in Louisiana. *La. Agr. Exp. Sta. Bull.* 605,52 p.,map. Dec.1965. 100 L93
- BERTRAND, A. L., and BEALE, C. L. The French and non-French in rural Louisiana; a study of the relevance of ethnic factors to rural development. *La. Agr. Exp. Sta. Bull.* 606, 43 p.,map. Dec.1965. 100 L93
- U. S. Department of Agriculture, cooperating.
- ROARK, C. B., HARRIS, H. E., and FEAZEL, J. L. Winter pasture for fattening feeder calves in the upland area of west Louisiana. *La. Agr. Exp. Sta. Bull.* 609,16 p. Mar.1966. 100 L93
- CAMPBELL, J. R. Raw sugar mills in Louisiana, 1960-1963; returns, costs, and profits. *La. Agr. Exp. Sta. DAE Res. Rep.* 352,76 p. Mar. 1966. 100 L935
- CAMPBELL, J. R. Family-type sugar cane farms in Louisiana, 1961-1964; returns, costs, and profits. *La. Agr. Exp. Sta. DAE Res. Rep.* 353,72 p. Mar.1966. 100 L935
- LOUISIANA, AGRICULTURAL EXPERIMENT STATION. Research report, North Louisiana Hill Farm Experiment Station, Homer, Louisiana, 1964. Dairy, by W. N. Philpot. n.p., 1965? 58 p. SF241.L8N6

Maine Agricultural Experiment Station, Orono

- RANDALL, A. G. A prescribed burn following a clearcut in the spruce type. *Maine. Agr. Exp. Sta. Misc. Publ.* 675,12 p. Feb.1966. 100 M28S

Michigan Agricultural Experiment Station, East Lansing

- PERKINS, B., and HATHAWAY, D. The movement of labor between farm and nonfarm jobs. *Mich. Agr. Exp. Sta. Res. Bull.* 13,49 p. 1966. 100 M58R

Minnesota Agricultural Experiment Station, St. Paul Campus, St. Paul 1

- MINNESOTA, AGRICULTURAL EXPERIMENT STATION. University of Minnesota Landscape Arboretum. *Minn. Agr. Exp. Sta. Misc. Rep.* 69,36 p.,map. Feb.1966. 100 M66
- BLACK, R., and JENSEN, H. R. High-moisture vs. dry barley on typical Red River Valley cash grain farms. *Minn. Agr. Exp. Sta. Bull.* 481,28 p. 1966. 100 M66

Missouri Agricultural Experiment Station, Columbia

- LUNT, R. D., and HAGAN, A. R. Beef cow feed-consumption and cost. *Mo. Agr. Exp. Sta. Res. Bull.* 825,34 p.,map. Mar.1966. 100 M693
- MANN, F. L., and others. Water-use law in Missouri. *Mo. Agr. Exp. Sta. Res. Bull.* 839, 68 p. Oct.1935. 100 M593
- J. McLarney, R. D. Angle, and F. Miller, joint authors.
- MINCKLER, L. S., and JANES, D. Pin oak [*Quercus palustris*] acorn production on normal and flooded areas. *Mo. Agr. Exp. Sta. Res. Bull.* 898,15 p. Dec.1965. 100 M693
- KROTH, E. M., and COLYER, D. Response of corn to nitrogen fertilization and plant population; 1965 tests and five year summary. *Mo. Agr. Exp. Sta. Spec. Rep.* 67,20 p.,map. Mar. 1966. 100 M693Sp

New Hampshire Agricultural Experiment Station, Durham

- BARRETT, J. P., and ALLEN, P. H. Predicting yield of extensively managed white pine [*Pinus strobus*] stands. *N. H. Agr. Exp. Sta. Tech. Bull.* 138,15 p. Mar.1935. 100 N45

New Mexico Agricultural Experiment Station, University Park

- BURKE, G. M., SCOTT, M. C., and HALL, C. R. Equity among members of cotton gin co-operatives. *N. Mex. Agr. Exp. Sta. Bull.* 501, 16 p.,map. 1965? 100 M465

New York (Cornell) Agricultural Experiment Station, Ithaca

- POND, W. G., and VAN VLECK, L. D. Importance of sex and genetic strain in influencing the response of weanling rats on diets of different fat and protein content. *N. Y. (Cornell) Agr. Exp. Sta. Mem.* 396,23 p. Ref. Dec.1965. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

- HILL, C. W., and others. Educational needs of beginning dairy farm operators in New York, 1963. *N. Y. (State) Agr. Exp. Sta. Bull.* 1008, 36 p.,map. Ref. Jan.1966. 100 N48
- J. P. Bail, H. R. Cushman, F. K. T. Tom, and F. C. Pearce, joint authors.

North Carolina Agricultural Experiment Station, State College Station, Raleigh

- TOBACCO abstracts 9(12),687-745. Dec.1965. 241 T55

Ohio Agricultural Research and Development Center,
Wooster

OHIO. AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER. Greenhouse vegetable research, 1966. Ohio. Agr. Res. Develop. Center Res. Sum. 8,44 p. Apr.1966. 100 Oh3Rs

Oklahoma Agricultural Experiment Station, Stillwater

AANDERUD, W. G., PLAXICO, J. S., and LAGRONE, W. F. Income variability of alternative plans, selected farm and ranch situations, rolling plains of northwest Oklahoma. Okla. Agr. Exp. Sta. Bull. B-646, 78 p., map. Ref. Mar.1966. 100 Ok4

U. S. Department of Agriculture, cooperating.

TAYLOR, W. E., and PORTERFIELD, J. G. Storing unginned cotton in bales. Okla. Agr. Exp. Sta. Bull. B-647, 39 p. Apr.1966. 100 Ok4

U. S. Department of Agriculture, and Oklahoma Cotton Research Foundation, cooperating.

HINES, F. K., and BLAKLEY, L. V. Changes, cost and potential of the cheese industry in Oklahoma. Okla. Agr. Exp. Sta. Bull. B-649, 20 p., map. May 1966. 100 Ok4

ANDERSON, D. O., COOK, N. R., and BADGER, D. D. Estimation of irrigation water values in western Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-528, 33 p. Feb.1966. 100 Ok4M

HINES, F. K., and BLAKLEY, L. V. Costs of manufacturing cheese in Oklahoma. Okla. Agr. Exp. Sta. Process. Ser. P-531, 35 p. Ref. Apr. 1966. 100 Ok4M

DE WET, J. M. J., HARLAN, J. R., and RICHARDSON, W. L. Biosystematics of the Bothriochloinae, (Andropogoneae, Gramineae), a report of progress, 1960 to 1965. Okla. Agr. Exp. Sta. Process. Ser. P-532, 31 p. Ref., p.6, 27-31. Apr.1966. 100 Ok4M

JACKSON, B. R., and others. Winter barley and winter oat variety tests. Progress report, 1966. Okla. Agr. Exp. Sta. Process. Ser. P-533, 19 p. Apr.1966. 100 Ok4M

C. L. Moore, A. M. Schlehuber, R. Peck, and H. Pass, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

SCHLEHUBER, A. M., and others. Winter wheat variety tests, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-534, 15 p. Apr.1966. 100 Ok4M

B. R. Jackson, C. L. Moore, R. Peck, and H. Pass, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

WELCH, N. H., and others. Soil moisture record, Chickasha, Oklahoma, 1962 and 1963. Okla. Agr. Exp. Sta. Process. Ser. P-536, 18 p. May 1966. 100 Ok4M

W. R. Shockey, M. A. Hartman, E. W. C. Choy, and J. F. Stone, joint authors.

U. S. Department of Agriculture, cooperating. Not available for free distribution. Photocopies may be ordered from the Library.

HARLAN, J. R., and others. Biosystematics of the genus *Cynodon* (Gramineae), a report of progress, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-537, 34 p. May 1966. 100 Ok4M

J. M. J. de Wet, W. R. Richardson, W. W. Huffine, J. Deakin, S. P. Sen Gupta, and A. Carpena, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

TUCKER, B. B., and others. Sorghum fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-538, 9 p. May 1966. 100 Ok4M

W. W. Chrudimsky, R. Foraker, and B. B. Webb, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

DE WET, J. M. J., and others. Biosystematics of sorghum, a report of progress, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-539, 16 p. May 1966. 100 Ok4M

J. R. Harlan, J. P. Huckabay, and M. H. Lu, joint authors.

Not available for free distribution. Photocopies may be ordered from the Library.

TUCKER, B. B., and BAKER, J. M. Wheat fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-540, 55 p. May 1966. 100 Ok4M

Not available for free distribution. Photocopies may be ordered from the Library.

TUCKER, B. B., CHRUDIMSKY, W. W., and FORAKER, R. Peanuts and soybean fertilization research, progress report, 1965. Okla. Agr. Exp. Sta. Process. Ser. P-542, 9 p. May 1966. 100 Ok4M

Not available for free distribution. Photocopies may be ordered from the Library.

TWEETEN, L. G., and NELSON, T. R. Sources and repercussions of changing U. S. farm real estate values. Okla. Agr. Exp. Sta. Tech. Bull. T-120, 51 p. Ref. Apr.1966. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

RALEIGH, R. J., and WALLACE, J. D. Research in beef cattle nutrition and management; 1966 progress report. Oreg. Agr. Exp. Sta. Spec. Rep. 210, 13 p. Mar.1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

MELLENTHIN, W. M., BROWN, G. G., and BESSE, R. S. The Mid-Columbia Experiment Station, its development, program, and accomplishments, 1913 to 1965. Oreg. Agr. Exp. Sta. Spec. Rep. 211, 19 p. Mar.1965. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

VARSEVELD, G. W., and BEAVERS, D. V. Preserving characteristics of Hood, Marshall, and Northwest strawberry varieties. Oreg. Agr. Exp. Sta. Spec. Rep. 213, 14 p. Apr.1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

OREGON, AGRICULTURAL EXPERIMENT STATION. Summary of reports, eighth annual beef cattle day. Oreg. Agr. Exp. Sta. Spec. Rep. 215, 24 p. May 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

OREGON, AGRICULTURAL EXPERIMENT STATION. Summary of reports, 1966 sheep and wool day. Oreg. Agr. Exp. Sta. Spec. Rep. 216, 20 p. May 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

OREGON, AGRICULTURAL EXPERIMENT STATION. Summary of reports, livestock field day Eastern Oregon Experiment Station, Union. Oreg. Agr. Exp. Sta. Spec. Rep. 217, 16 p. May 1966. 100 Or3M

Not available for free distribution. Photocopies may be ordered from the Library.

BALSTER, C. A., and PARSONS, R. B. A soil-geomorphic study in the Oregon Coast Range. Oreg. Agr. Exp. Sta. Tech. Bull. 89, 30 p., map. Ref. Feb. 1966. 100 Or3S

Pennsylvania Agricultural Experiment Station, University Park

FLIEGEL, F. C. The low-income farmer in a changing society. Penn. Agr. Exp. Sta. Bull. 731, 39 p. Ref. Mar. 1966. 100 P381

MCGAHEN, J. H., and others. 1964 Pennsylvania corn performance studies. Penn. Agr. Exp. Sta. Progr. Rep. 264, 30 p. Feb. 1966. 100 P381P

W. F. Craig, W. L. Thomas, and D. E. Baker, joint authors.

Puerto Rico Agricultural Experiment Station, Rio Piedras

RIVERA BRENES, L., and CABRERA, J. I. Comparison of Charbray, Brangus, Brahman (Cebu) bull breeds and a Common group in a second pasture feeding experiment on Pangola grass. (Sp) P. R. (Rio Piedras) Agr. Exp. Sta. Bull. 195, 12 p. Aug. 1965. 100 P83

English summary.

South Carolina Agricultural Experiment Station, Clemson

JANZEN, J. J. Quality of the raw milk supply in South Carolina. S. C. Agr. Exp. Sta. Tech. Bull. 1021, 16 p. Ref. Dec. 1965. 100 So8T

South Dakota Agricultural Experiment Station, Brookings

RIZEK, R. L., JUDGE, G. G., and HAVLICEK, J. Spatial structure of the livestock economy. III. Joint spatial analysis of regional slaughter and the flows and pricing of livestock and meat. S. Dak. Agr. Exp. Sta. Bull. 522, 64 p., map. Ref. Oct. 1965. 100 So82

Agricultural Experiment Stations of Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and U. S. Department of Agriculture, cooperating.

SOUTH Dakota farm and home research 17(1), 32 p. Winter 1966. 100 So82S

Texas Agricultural Experiment Station, College Station

KIRBY, J. E., and MCNEELY, J. G. Agricultural market development abroad. Tex. Agr. Exp. Sta. B-1040, 27 p. Ref. Aug. 1965. 100 T31S

TEXAS, AGRICULTURAL EXPERIMENT STATION. Bluebelle, a lodging-resistant, very early maturing, long grain rice variety released in Texas. Tex. Agr. Exp. Sta. L-678, 6 p.-folder. Jan. 1966. 275.29 T313

LESTER, W. B., and BRANSON, R. E. An analysis of prices received for prepackaged and 50-pound sack south Texas onions, 1965. Tex. Agr. Exp. Sta. Progr. Rep. PR-2384, 10 p. Dec. 22, 1965. 100 T31P

Vermont Agricultural Experiment Station, Burlington

TREMBLAY, R. H. Large dairy farms in Vermont. Vt. Agr. Exp. Sta. Bull. 643, 32 p., map. Mar. 1966. 100 V59

WHITMORE, R. A. Lumber purchasing by Vermont wood products manufacturers. Vt. Agr. Exp. Sta. Bull. 644, 20 p. Mar. 1966. 100 V59

Virginia Agricultural Experiment Station, Blacksburg

VIRGINIA, AGRICULTURAL EXPERIMENT STATION. Proceedings of the tenth staff conference. Va. Agr. Exp. Sta. Bull. 569, 51 p. Dec. 1965. 100 V81S

Wisconsin Agricultural Experiment Station, Madison

LARSEN, H. J., and JOHANNES, R. F. Summer forage—stored feeding, green feeding, and strip grazing. Wis. Agr. Exp. Sta. Res. Bull. 257, 32 p. Ref. Oct. 1965. 100 W75

SUND, J. M., NIELSEN, E. L., and AHLGREN, H. L. Response of Kentucky bluegrass (*Poa pratensis* L.) strains to fertility and management. Wis. Agr. Exp. Sta. Res. Rpt. 20, 28 p. Ref. Nov. 1965. 100 W75R

Wyoming Agricultural Experiment Station, Laramie

SACKETT, R. G. Hybrid-corn-performance trials in Wyoming; preliminary report for 1964. Wyo. Agr. Exp. Sta. Mimeogr. Circ. 198R, 11 p. Feb. 1965. 100 W99M

REGIONAL PUBLICATIONS

North Central Region

RIZEK, R. L., JUDGE, G. G., and HAVLICEK, J. Spatial structure of the livestock economy. III. Joint spatial analysis of regional slaughter and the flows and pricing of livestock and meat. S. Dak. Agr. Exp. Sta. Bull. 522, 64 p., map. Ref. Oct. 1965. 100 So82

Agricultural Experiment Stations of Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and U. S. Department of Agriculture, cooperating.

Also North Central Regional Research Bulletin 163.

Southern Cooperative Series

HADDOX, B. E. Joint decision-making patterns and related factors among low-income rural families. Southern Coop. Ser. Bull. 109, 40 p. Dec. 1965. 100 G29So

Agricultural Experiment Stations of Alabama, Florida, Kentucky, Louisiana, Mississippi, North Carolina, Tennessee and Texas; and U. S. Department of Agriculture, cooperating.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

- LEDBETTER, R. J., and HAYS, K. L. Insect control for livestock. Auburn Univ. Ext. Circ. A-14,15 p. Nov.1965. 275.29 AL14C
- HUBBARD, J. R. Broiler management. Auburn Univ. Ext. Circ. A-15,8 p.-folder. Mar. 1966. 275.29 AL14C
- PEAVY, A. First steps in arranging flowers. Auburn Univ. Ext. Circ. HE-25,4 p. Nov.1964. 275.29 AL14
- THURSTON, F. C. Floor problems. Auburn Univ. Ext. Circ. HE-28,6 p.-folder. Jan.1965. 275.29 AL14
- BOYD, E. M. Ages'n stages of personality growth & development. Auburn Univ. Ext. Circ. HE-53,14 p. Ref. Oct.1965. 275.29 AL14
- BRYAN, E. L., and THURSTON, F. C. How to figure the true annual rate of interest. Auburn Univ. Ext. Circ. HE-64,8 p. Oct.1965. 275.29 AL14
- BRYAN, E. L. Is there a better way? Auburn Univ. Ext. Circ. HE-74,8 p. Dec.1965. 275.29 AL14
- OVERBEY, D. Labels are the windows of cans. Auburn Univ. Ext. Circ. HE-78,6 p.-folder. Mar.1966. 275.29 AL14
- HUIE, J. M., and KENNAMER, E. F. Alabama outdoor recreation directory. Auburn Univ. Ext. Circ. M-12,83 p.,map. Mar.1965. 275.29 AL14Cm
- HORN, R. C. A water system for your community; some ideas for interested community leaders. Auburn Univ. Ext. Circ. M-15,6 p.-folder. Mar.1965. 275.29 AL14Cm
- AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. Plan your community's growth. Auburn Univ. Ext. Circ. M-16,8 p.-folder. Mar.1965. 275.29 AL14Cm
- ENNIS, L. Watering your lawn. Auburn Univ. Ext. Circ. P-4,6 p.-folder. Jan.1966. 275.29 AL14Cp
- LEDBETTER, R. J., and others. Spraying apples. Auburn Univ. Ext. Circ. P-39,7 p. Jan. 1965. 275.29 AL14Cp
- S. M. McCarter, U. L. Diener, and J. Bagby, joint authors.
- DICKENS, R., and ANDREWS, O. N. Weed control in feed & forage crops, 1966. Auburn Univ. Ext. Circ. P-41A,8 p.-folder. May 1966. 275.29 AL14Cp
- HENDERSON, J. Cotton handbook for Alabama. Auburn Univ. Ext. Circ. P-42,15 p. Mar.1966. 275.29 AL14Cp
- BAGBY, J. Make pecans shell out cash. Auburn Univ. Ext. Circ. P-44,10 p.,map. Oct. 1965. 275.29 AL14Cp
- BOND, D. Leafspot and insect control on peanuts. Auburn Univ. Ext. Circ. P-45,4 p. June 1965. 275.29 AL14Cp
- SOWELL, W. F. Lime pays. Auburn Univ. Ext. Circ. P-55,6 p.-folder. Aug.1965. 275.29 AL14Cp
- MCCARTER, S. M., CAIRNS, E. J., and BAGBY, J. Nematode control in the home garden. Auburn Univ. Ext. Circ. P-58,6 p.-folder. Feb.1966. 275.29 AL14Cp
- COX, W. T. Light condition your home. Auburn Univ. Ext. Circ. PH-1,8 p. Mar.1965. 275.29 AL14Ci

OVERBEY, D. Labels are the windows of cans. Auburn Univ. Ext. Leaf. YHE-5,rev.,4 p. Jan. 1966. 275.29 AL14L

DOWNEY, I. Princess packaged-right. Auburn Univ. Ext. Leaf. YHE-43,4 p. Dec.1965. 275.29 AL14L

DOWNEY, I. Freezing a cake. Auburn Univ. Ext. Leaf. YHE-45,2 p. Feb.1966. 275.29 AL14L

DOWNEY, I. Freezing cream style corn. Auburn Univ. Ext. Leaf. YHE-48,2 p. Feb.1966. 275.29 AL14L

AUBURN UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1966 suggestions for annual County Extension program and plan of work. Auburn, Ala., 1966. 79 p. 275.29 AL1Su

ALASKA University, Extension Service, College

ALASKA, UNIVERSITY. EXTENSION SERV. How many yards to upholster? to slipcover? Alaska. Univ. Ext. Bull. 52,rev.,5 p. Feb. 1965. 275.29 AL13Eb

ARIZONA University, Agricultural Extension Service, Tucson

HARRIS, K., ERIE, L. J., and FULLER, W. H. Minimum tillage in the Southwest. Ariz. Univ. Ext. Bull. A-39,16 p. Feb.1965. 275.29 Ar42Bu

Published jointly with Arizona Agricultural Experiment Station.

SMITH, R., and STINSON, C. Getting the most out of your 24 hours. Ariz. Univ. Ext. Circ. 287,18 p. Oct.1965. 275.29 Ar42

CHURCH, H. L. Why rip that levi leg to mend it? Ariz. Univ. Ext. Folder 120,6 p.-folder. Jan.1966. 275.29 Ar42Ext

ARKANSAS University, Agricultural Extension Service, Little Rock

NESTER, R. P. Soybean production in Arkansas. Ark. Univ. Ext. Circ. 508,rev.,22 p.,map. Mar.1966. 275.29 Ar4

JOHNSTON, M. The Little Rock food buyer and mass media information. Ark. Univ. Ext. Circ. 524,16 p. June 1965. 275.29 Ar4

ROBERTS, J. E., BARNES, G., and MCDANIEL, M. C. Spraying and dusting tomatoes. Ark. Univ. Ext. Leaf. 217,rev.,8 p.-folder. Mar. 1966. 275.29 Ar4Le

ROBERTS, J. E., and others. Spraying apples and pears. Ark. Univ. Ext. Leaf. 239,rev.,8 p.-folder. Apr.1966. 275.29 Ar4Le

G. Barnes, E. J. Allen, and M. C. McDaniel, joint authors.

WELLHAUSEN, H. W., WOODALL, W. E., and NESTER, R. P. Field crops seeding guide; fall, 1966, spring, 1967—varieties, rates, dates. Ark. Univ. Ext. Leaf. 249,rev.,4 p.,map. Apr. 1966. 275.29 Ar4Le

Published jointly with Arkansas Agricultural Experiment Station.

ROBERTS, J. E., and BARNES, G. Insecticide guide for milk producers. Ark. Univ. Ext. Leaf. 319,rev.,6 p.-folder. Jan.1966. 275.29 Ar4Le

ARKANSAS, UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H business, careers, and marketing activity. Ark. Univ. Ext. Leaf. 371,5 p.-folder. Mar.1965. 275.29 Ar4Le

ARKANSAS, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Your county Extension Service; where it is, what it is, what it can do for you. Ark. Univ. Ext. Leaf. 373,6 p.-folder. May 1965. 275.29 Ar4Le

BRYSON, C. P., and others. Harvest all you grow—increase profits: pick dry cotton. Ark. Univ. Ext. Leaflet. 377,6 p.-folder. July 1965. 275.29 Ar4Le

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits. What are your losses? Ark. Univ. Ext. Leaflet. 378,5 p.-folder. July 1965. 275.29 Ar4Le

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits: check picker performance. Ark. Univ. Ext. Leaflet. 379,4 p. July 1965. 275.29 Ar4Le

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

BRYSON, C. P., and others. Harvest all you grow—increase profits: repair, adjust, and operate picker for high efficiency. Ark. Univ. Ext. Leaflet. 380,8 p.-folder. July 1965. 275.29 Ar4Le

D. W. Chandler, J. A. Mullins, J. M. Ragsdale, J. L. Smilie, and A. M. Pendleton, joint authors.

With assistance of National Cotton Council.

RATCLIFF, L., WILLIAMS, R., and POTTS, D. F. Increase dairy profits through the use of production records. Ark. Univ. Ext. Leaflet. 386,5 p.-folder. Mar. 1966. 275.29 Ar4Le

CALIFORNIA University, Agricultural Extension Service, Berkeley

HANSEN, C. J., and HARTMANN, H. T. Propagation of temperate-zone fruit plants. Calif. Univ. Ext. Circ. 471, rev., 50 p. Feb. 1966. 100 C12S

California Agricultural Experiment Station, cooperating.

HARTMANN, H. T., and OPITZ, K. W. Pruning olive trees in California. Calif. Univ. Ext. Circ. 537, 15 p. Jan. 1966. 100 C12S

DELOACH, D. B., and MIKLIUS, W. Selected operating practices of firms hauling exempt commodities out of California. Calif. Univ. Ext. Inform. Ser. Agr. Econ. 66-3, 16 p. Apr. 1966. 275.29 C12I

Giannini Foundation of Agricultural Economics, cooperating.

COLORADO State University, Cooperative Extension Service, Fort Collins

ELLS, J. E. Processing crops variety trial, 1965. Colo. Agr. Exp. Sta. Gen. Ser. 836, 22 p. Apr. 1966. 100 C71G

Published jointly with Colorado Agricultural Experiment Station.

CONNECTICUT University, College of Agriculture, Cooperative Extension Service, Storrs

REILLY, W. R., and others. Outlook for Connecticut agriculture, 1966; general economic outlook, changes in agricultural policy, Connecticut agricultural commodities. Conn. Univ. Ext. [Bull.] 66-1, 16 p. Jan. 1966. 275.29 C76B

R. L. Leonard, S. Johnson, T. C. Morrison, A. W. Dewey, and J. P. H. Brand, joint authors.

DELAWARE University, Agricultural Extension Service, Newark

BERGE, O. L., and GROSKOPP, M. D. Irrigation equipment in Delaware. Del. Univ. Ext. Ext. Bull. 84, 15 p. Jan. 1965. 275.29 D37

MITCHELL, W. H., COLE, R. H., and BOYS, F. E. Weed control in grain and forage crops. Del. Univ. Ext. Ext. Bull. 85, 4 p. 1966? 275.29 D37

MITCHELL, W. H. Profit farming with corn. Del. Univ. Ext. Ext. Bull. 86, 22 p. 1965. 275.29 D37

MITCHELL, W. H., RALPH, E. H., and WISK, E. L. Field tests with hybrid corn. Del. Univ. Ext. Ext. Bull. 88, 19 p. Jan. 1966. 275.29 D37

FLORIDA University, Agricultural Extension Service, Gainesville

SHEEHAN, T. J., MILLER, H. N., and KERR, S. H. Amaryllis. Fla. Univ. Ext. Circ. 171B, 8 p. Mar. 1966. 275.29 F66C

MARVEL, M. E. Hydroponic culture of vegetable crops. Fla. Univ. Ext. Circ. 192A, 16 p. Feb. 1966. 275.29 F66C

FREEMAN, T. E., and MULLIN, R. S. Turf-grass diseases and their control. Fla. Univ. Ext. Circ. 221B, 8 p. Feb. 1966. 275.29 F66C

CONOVER, C. A., and SHEEHAN, T. J. Anemone [coronaria] flower production in Florida. Fla. Univ. Ext. Circ. 293, 3 p. Mar. 1966. 275.29 F66C

PETTIS, A. M. Electric fences in Florida. Fla. Univ. Ext. Circ. 295, 6 p.-folder. Mar. 1966. 275.29 F66C

LAWRENCE, F. P. Papaya growing in Florida. Fla. Univ. Ext. Circ. 296, 6 p.-folder. Mar. 1966. 275.29 F66C

GEORGIA University, College of Agriculture, Extension Service, Athens

BARBER, J. M. Southern pea culture. Ga. Univ. Ext. Circ. 485, rev., 6 p.-folder. Mar. 1966. 275.29 G29C

GEORGIA UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Hot iron branding. Ga. Univ. Ext. Circ. 551, 6 p.-folder. Jan. 1966. 275.29 G29C

MILLER, J. F. Johnsongrass [Sorghum halepense] control. Ga. Univ. Ext. Circ. 552, 8 p.-folder. Jan. 1966. 275.29 G29C

GEORGIA UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Bull buyer's guide. Ga. Univ. Ext. Circ. 553, 6 p.-folder. Feb. 1966. 275.29 G29C

GEORGIA UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. More pigs—more profit. Ga. Univ. Ext. Circ. 554, 4 p. Feb. 1966. 275.29 G29C

BOYD, N., and WATERS, R. Let's use dry milk. Ga. Univ. Ext. Circ. 556, 4 p. Mar. 1966. 275.29 G29C

MCGLOHON, N. E. Stem anthracnose of lima beans. Ga. Univ. Ext. Leaflet. 44, 6 p.-folder. Dec. 1965. 275.29 G29L

HAWAII University, Agricultural Extension Service, Honolulu

HUGH, W. I., and GITLIN, H. M. Slotted floors for swine. Hawaii. Univ. Ext. Circ. 413, 20 p. Apr. 1966. 275.29 H312Ac

IDAHO University, College of Agriculture, Extension Service, Moscow

FENWICK, H. S., and OHMS, R. E. Potato leaf roll; symptoms, cause and control. Idaho. Agr. Coll. Ext. Bull. 457, 5 p.-folder. Mar. 1966. 100 Id14

PORTMAN, R. W. Using insecticides around insect pollinators. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 28, 2 p. Apr. 1966. 275.29 Id13Idc

IRITANI, W. M. Press wheels for Idaho potato planters. Idaho. Univ. Ext. Idaho. Curr. Inform. Ser. 29,2 p. May 1966. 275.29 Id13Idc

ILLINOIS University, Cooperative Extension Service in Agriculture and Home Economics, Urbana

HILL, L. D. Market planning for resource development in an eight-county region of southern Illinois. Ill. Univ. Coll. Agr. Spec. Publ. 10,48 p.,map. Ref. Mar.1966. 276 IL623

ŠIMMS, R. H. Feeding, managing, and exhibiting lambs. Ill. Univ. Ext. Circ. 924,20 p. Jan. 1966. 275.29 IL62C

MOORE, S., and PETTY, H. B. Insect pests of cattle. Ill. Univ. Ext. Circ. 925,16 p. Feb. 1966. 275.29 IL62C

PARDEE, W. D., and BROWN, C. M. Get the most from your oats. Ill. Univ. Ext. Circ. 926, 6 p.-folder. Feb.1966. 275.29 IL62C

RUNGE, E. C. A. 200-bushel corn. Is it possible on your soils? Ill. Univ. Ext. Circ. 928, 7 p.,map. Feb.1966. 275.29 IL62C

NELSON, W. R., and PORTER, J. A. Planning for a better community landscape. Ill. Univ. Ext. Circ. 931,15 p. Mar.1966. 275.29 IL62C

KNAKE, E. L., MCGLAMERY, M. D., and SLIFE, F. W. Using preemergence herbicides. Ill. Univ. Ext. Circ. 932,16 p. Mar.1966. 275.29 IL62C

WHALEN, C. E. ABC's of county government. Ill. Univ. Ext. Circ. 933,32 p.,map. Apr.1966. 275.29 IL62C

IOWA State University of Science and Technology, Cooperative Extension Service, Ames

O'BYRNE, J. C., TIMMONS, J. F., and HINES, N. W. Planning farm property transfers within families in Iowa. Iowa. State Univ. Ext. Res. Bull. 125,47 p. Ref. Feb.1966. 100 Io9

Agricultural Law Center, College of Law, University of Iowa, and Agricultural and Home Economics Experiment Station, cooperating.

JAKUBAUSKAS, E. B. Job opportunities for Iowa's youth. Iowa. State Univ. Ext. Spec. Rep. 46,12 p. Feb.1966. 100 Io9Sp

KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

ROBERTS, C. R., and CAMPBELL, R. W. Strawberries in your garden. Kans. State Univ. Ext. C-327,8 p. Mar.1966. 275.29 K13Ex

STARKEY, W. M. Pictures in your home. Kans. State Univ. Ext. C-359,8 p. Feb.1966. 275.29 K13Ex

MILLER, E. L., and MIDDLETON, R. Hospitality hints: buffets. Kans. State Univ. Ext. C-362,11 p. Feb.1966. 275.29 K13Ex

MILLER, E. L., and TINKLIN, G. L. Hospitality hints: coffees, punch, teas. Kans. State Univ. Ext. C-363,15 p. Feb.1966. 275.29 K13Ex

KENTUCKY University, Agricultural Extension Service, Lexington

KNAVEL, D. E., and DAVIS, H. Vegetable varieties for Kentucky, 1966. Ky. Univ. Ext. Leaflet. 203-G,6 p.-folder. Mar.1966. 275.29 K415Le

CLARK, C. M., and WHITE, G. M. Recommendations for grading tobacco under fluorescent light source. Ky. Univ. Ext. Progr. Rep. 154,20 p. Ref. Sept.1965. 100 K41Pr
Published jointly with Kentucky Agricultural Experiment Station.

MICHIGAN State University of Agriculture and Applied Science, Cooperative Extension Service, East Lansing

FERRIS, J. Beef futures. Mich. State Univ. [Ext.] Agr. Econ. Rep. 1,11 p. May 1965. 281.9 M5842

FERRIS, J. Monthly and annual average prices on Michigan farm products and inputs. Mich. State Univ. [Ext.] Agr. Econ. Rep. 2,39 p. May 1965. 281.9 M5842

IRWIN, G. D. Milk production allotment and Class I base plans, Michigan dairy farms. Mich. State Univ. [Ext.] Agr. Econ. Rep. 3,42 p. Mar.1965. 281.9 M5842

JUERS, L. E., and MCMILLAN, A. Michigan dairy plants; changes in size, numbers, and products produced, 1950 and 1963. Mich. State Univ. [Ext.] Agr. Econ. Rep. 4,18 p. Mar.1965. 281.9 M5842

HATHAWAY, D. E. The search for new international arrangements to deal with the agricultural problems of industrialized countries. Mich. State Univ. [Ext.] Agr. Econ. Rep. 5,25 p. Mar.1965. 281.9 M5842

VINCENT, W. H. Coding farm accounting data; a manual on coding principles and a proposed coding system. Mich. State Univ. [Ext.] Agr. Econ. Rep. 7,74 p. May 1965. 281.9 M5842

VINCENT, W. H. Alumni employment status, Agricultural Economics Department, Michigan State University. Mich. State Univ. [Ext.] Agr. Econ. Rep. 8,27 p. May 1965. 281.9 M5842

MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Alternative farm labor records and payment systems. Mich. State Univ. [Ext.] Agr. Econ. Rep. 9,10 p. 1965? 281.9 M5842

WISSMAN, D. J. Comparative costs of slaughtering cattle in Michigan packing plants. Mich. State Univ. [Ext.] Agr. Econ. Rep. 10,67 p. Ref. May 1965. 281.9 M5842

RICKS, D. J. Economic relationships in red tart cherry marketing, 1947-1964. Mich. State Univ. [Ext.] Agr. Econ. Rep. 11,52 p. June 1965. 281.9 M5842

ULREY, O. Training and development centers in patterns of national development. Mich. State Univ. [Ext.] Agr. Econ. Rep. 12,41 p. Ref. June 1965. 281.9 M5842

BRAKE, J. R. Interest rate terminology and calculation. Mich. State Univ. [Ext.] Agr. Econ. Rep. 13,27 p. Ref. Mar.1966. 281.9 M5842

LOOMIS, R. A. A profile of part-time farming in the United States. Mich. State Univ. [Ext.] Agr. Econ. Rep. 15,19 p.,map. Ref. Aug.1965. 281.9 M5842

ZEHNER, M. D., and MCMILLAN, A. Consumer preferences for food products and packages. Mich. State Univ. [Ext.] Agr. Econ. Rep. 16, 33 p. Aug.1965. 281.9 M5842

MAUCH, A. Subsidies—something for everybody! Mich. State Univ. [Ext.] Agr. Econ. Rep. 17,8 p. Oct.1965. 281.9 M5842

RICKS, D. J. Prices of apples for canning and freezing, 1951-1964. Mich. State Univ. [Ext.] Agr. Econ. Rep. 18,28 p. Aug.1965. 281.9 M5842

WRIGHT, K. T. Taiwan's postwar agricultural development. Mich. State Univ. [Ext.] Agr. Econ. Rep. 19,47 p.,map. Ref. Oct.1965. 281.9 M5842

KELSEY, M. P. Fruit farming today; what it costs; how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 20,25 p.,map. 1965. 281.9 M5842

KELSEY, M. P., and SHEPPARD, C. C. Poultry farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 21, 21 p.,map. 1965. 281.9 M5842

KYLE, L. R. Cash crop farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 22,21 p.,map. 1965. 281.9 M5842

KYLE, L. R., and HENDERSON, H. E. Cattle feeding today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 23,21 p.,map. 1965. 281.9 M5842

BOHMKER, F. A., and others. Swine farming today; what it costs, how it pays. Mich. State Univ. [Ext.] Agr. Econ. Rep. 24,22 p. 1965. 281.9 M5842

E. C. Miller, C. K. Spillman, and W. A. Tinsley, joint authors.

BROWN, L. H., and SPEICHER, J. Dairy farming today, southern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 25,21 p.,map. 1965. 281.9 M5842

BROWN, L. H. Dairy-general farming today in southern Michigan, 1964. Mich. State Univ. [Ext.] Agr. Econ. Rep. 26,21 p.,map. 1965. 281.9 M5842

BROWN, L. H., ELWOOD, E. M., and SPEICHER, J. A. Dairy farming today, northern Michigan. Mich. State Univ. [Ext.] Agr. Econ. Rep. 27,17 p.,map. 1965. 281.9 M5842

KELSEY, M., and HEPP, R. Financial statement exercise. Mich. State Univ. [Ext.] Agr. Econ. Rep. 28,3 p. 1965. 281.9 M5842

HEPP, R., and KELSEY, M. Farm financial management analysis and planning work sheets. Mich. State Univ. [Ext.] Agr. Econ. Rep. 29, 6 p.-folder. 1965? 281.9 M5842

HOGLUND, C. R. Profitable dairy farming tomorrow. Mich. State Univ. [Ext.] Agr. Econ. Rep. 30,17 p. Oct.1965. 281.9 M5842

ROSSMILLER, G. E. Farm real estate value patterns in the United States, 1930-1962. Mich. State Univ. [Ext.] Agr. Econ. Rep. 31,173 p.,map. Ref. Nov.1965. 281.9 M5842

Resources for the Future, Inc., Washington, D. C., cooperating.

STAM, J. M. Changing agricultural employment opportunities and the vocational agricultural program; a case study. Mich. State Univ. [Ext.] Agr. Econ. Rep. 33,28 p. Ref. Jan.1966. 281.9 M5842

BULLER, O. F., and KELSEY, M. P. Labor inputs, crop costs and returns for Michigan tree fruits. Mich. State Univ. [Ext.] Agr. Econ. Rep. 34,18 p. Dec.1965. 281.9 M5842

STURT, D. W. Workmen's compensation and Michigan farm employers. Mich. State Univ. [Ext.] Agr. Econ. Rep. 35,4 p. Jan.19,1966. 281.9 M5842

LARZELERE, H. E. Current styles and shapes in egg contracting. I. Mich. State Univ. [Ext.] Agr. Econ. Rep. 36,13 p. Jan.1966. 281.9 M5842

LARZELERE, H. E. Who'll be the Midwestern Messiah? Mich. State Univ. [Ext.] Agr. Econ. Rep. 37,7 p. Jan.1966. 281.9 M5842

MCMILLAN, A., WERTH, H., and DONETH, J. What do farmers think of Telfarm [Today's Electronic Farm Records for Management Education]? Mich. State Univ. [Ext.] Agr. Econ. Rep. 38,26 p. Feb.1966. 281.9 M5842

LARZELERE, H. E. Current styles and shapes in egg contracting. II. Mich. State Univ. [Ext.] Agr. Econ. Rep. 39,17 p. Feb.1966. 281.9 M5842

RICKS, D. J. Worker productivity in apple picking. Mich. State Univ. [Ext.] Agr. Econ. Rep. 41,25 p. Feb.1966. 281.9 M5842

ULREY, O. The cooperative, an agency for rural development; the Kaira District Cooperative Milk Producer's Union, Ltd., Anand, Gujarat State, India. Mich. State Univ. [Ext.] Agr. Econ. Rep. 42,49 p. Ref. Mar.1966. 281.9 M5842

MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Chemical control of insects and diseases on commercial vegetables; supplement to 1965 edition. Mich. State Univ. Ext. Ext. Bull. 312,4 p. May 1966. 275.29 M58B

COX, J. T. Ornamental evergreens for Michigan. Mich. State Univ. Ext. Ext. Bull. 426, 17 p.,map. Mar.1966. 275.29 M58B

ESMAY, M. L., SHEPPARD, C. C., and ZINDEL, H. C. Poultry housing for layers. Mich. State Univ. Ext. Ext. Bull. 524,16 p. Apr.1966. 275.29 M58B

JANES, R. L. Household insect control number 5: kitchen pests. Mich. State Univ. Ext. Ext. Bull. 528,8 p. Apr.1966. 275.29 M58B

TAYLOR, J. L., and others. Home vegetable garden. Mich. State Univ. Ext. Ext. Bull. 529, 6 p.-folder. May 1966. 275.29 M58B

R. L. Janes, C. W. Nicklow, and H. S. Potter, joint authors.

COLEMAN, M. J., and LINDSTROM, R. S. The care and handling of lilies [Lilium]. Mich. State Univ. Ext. Ext. Bull. E 510,6 p.-folder. Mar.1966. 275.29 M58B

MINNESOTA University, Agricultural Extension Service, St. Paul

HANSON, L. D., and others. Soils of the Twin Cities Metropolitan area and their relation to urban development. Minn. Univ. Ext. Ext. Bull. 320,40 p.,map. Ref. Feb.1966. 275.29 M66S

C. D. Springer, R. S. Farnham, A. S. Robertson, and E. R. Allred, joint authors.

Twin Cities Metropolitan Planning Commission, cooperating.

MILES, N., LOFGREN, J. A., and JOHNSON, H. G. Home fruit spray guide. Minn. Univ. Ext. Ext. Pam. 184,rev.,8 p.-folder. Apr.1966. 275.29 M66P

MISSOURI University, College of Agriculture, Extension Service, Columbia

TURNER, C. W. What causes high production? Story of the role of the lactogenic hormone in milk secretion. Mo. Univ. Ext. Bull. 836, 14 p. Feb.1966. 100 M393

MONTANA State College, Cooperative Extension Service, Bozeman

JACOBSEN, N. A. Raising 4-H beef cattle. Mont. State Coll. Ext. Bull. 277,rev.,15 p. Dec. 1965. 275.29 M76C

QUENEMOEN, M. E., and THOMPSON, L. S. How to estimate land value. Mont. State Coll. Ext. Bull. 327,27 p. Dec.1965. 275.29 M76C

NEW JERSEY - Rutgers State University, College of Agriculture, Extension Service, New Brunswick

BURKART, A. C. Your food choices for good looks and pep. Rutgers State Univ. Ext. Ext. Bull. 326-A,8 p. Mar.1966. 275.29 N46

LENTZ, A. N. How to improve your farm woodlot with ACP [Agricultural Conservation Program] payments. Rutgers State Univ. Ext. Leaflet. 204-B,4 p. Apr.1966. 275.29 N46L

VASVARY, L. M. Mole control. Rutgers State Univ. Ext. Leaflet. 214-A,4 p. Apr.1966. 275.29 N46L

VASVARY, L. M. Japanese beetle. Rutgers State Univ. Ext. Leaflet. 292-A,2 p. Apr.1966. 275.29 N46L

JUDGE, J. F. Fresh strawberries. Rutgers State Univ. Ext. Leaflet. 385-A, 4 p. Apr. 1966. 275.29 N46L

BURKART, A. C. Quick ways for busy days. Rutgers State Univ. Ext. Leaflet. 402, 12 p.-folder. Mar. 1966. 275.29 N46L

NEW MEXICO State University, Agricultural Extension Service, University Park

GAY, C. Range management; why and how. N. Mex. State Univ. Ext. Circ. 376, 33 p., map. Oct. 1965. 275.29 N463E

GARRETT, L. Pressures and processing times for home canning. N. Mex. State Univ. Ext. Circ. 384, 6 p. 1965. 275.29 N463E

LEEDY, C. D. Liability protection for outdoor recreation enterprises. N. Mex. State Univ. Ext. Circ. 385, 8 p. Mar. 1966. 275.29 N463E

NEW YORK - Cornell University, State College of Agriculture, Extension Service, Ithaca

WINKELBLECH, C. S. Farm ponds in New York. Cornell Univ. Ext. Cornell Ext. Bull. 949, rev., 32 p. Apr. 1966. 275.29 N48E

SHAULIS, N., and JORDAN, T. D. Chemical control of weeds in New York vineyards. Cornell Univ. Ext. Cornell Ext. Bull. 1026, rev., 16 p. Apr. 1966. 275.29 N48E

MOWER, R. G. Shrubs for landscape plantings in New York State. Cornell Univ. Ext. Cornell Ext. Bull. 1111, 15 p. Apr. 1966. 275.29 N48E

TURNER, C. N. Ventilation of dairy barns. Cornell Univ. Ext. Cornell Ext. Bull. 1159, 15 p. Apr. 1966. 275.29 N48E

BRANNON, W. F. The dairy goat. Cornell Univ. Ext. Cornell Ext. Bull. 1160, 20 p. Ref. Apr. 1966. 275.29 N48E

LONGEST, J. W., and GENGENBACH, W. H. Otsego County experimental program for testing methods of forming farm management study groups. Cornell Univ. Ext. Ext. Stud. 8, 78 p. Feb. 1965. 275.29 N48Ex

SPENCER, J. F., and ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. I. As seen by the faculty. Cornell Univ. Ext. Ext. Stud. 9, 86 p. Sept. 1965. 275.29 N48Ex

ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. II. As seen by extension agents. Cornell Univ. Ext. Ext. Stud. 9, 141 p. Sept. 1965. 275.29 N48Ex

ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. III. As seen by the college administrators. Cornell Univ. Ext. Ext. Stud. 9, 34 p. Sept. 1965. 275.29 N48Ex

ALEXANDER, F. D. TV educational function of the Colleges of Agriculture and Home Economics. IV. As seen by State Extension leaders. Cornell Univ. Ext. Ext. Stud. 9, 42 p. Sept. 1965. 275.29 N48Ex

LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. V. As related to commercial TV stations. Cornell Univ. Ext. Ext. Stud. 9, 55 p. Sept. 1965. 275.29 N48Ex

LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. VI. As implemented by grouping counties for participation in educational television. Cornell Univ. Ext. Ext. Stud. 9, 15 p. Sept. 1965. 275.29 N48Ex

ALEXANDER, F. D., SPENCER, J. F., and LAWRENCE, J. E. TV educational function of the Colleges of Agriculture and Home Economics. VII. Summary of findings and implications. Cornell Univ. Ext. Ext. Stud. 9, 73 p. Sept. 1965. 275.29 N48Ex

ALEXANDER, F. D. Input on low-income work of the New York State Extension Staff specialists and agents. Cornell Univ. Ext. Ext. Stud. 10, 73 p. Jan. 1966. 275.29 N48Ex

CORNELL UNIVERSITY, STATE COLLEGE OF AGRICULTURE, EXTENSION SERV. 1966 vegetable production recommendations, by P. A. Minges, A. A. Muka, A. F. Sherf, and R. F. Sandsted. Ithaca, 1966. 35 p. 275.29 N48Ve
Published jointly with New York State Agricultural Experiment Station.

NORTH CAROLINA University, Extension Service, State College Station, Raleigh

FALTER, J., and CLAYTON, C. N. Peach disease and insect control in North Carolina. N. C. Univ. Ext. Ext. Circ. 407, rev., 18 p. Mar. 1966. 275.29 N811

FIELDS, H. M., and HESTER, F. E. Farm pond management. N. C. Univ. Ext. Ext. Circ. 435, rev., 15 p. Feb. 1966. 275.29 N811

STUART, A. D., and others. Growing corn for profit; latest production practices and established hybrids. N. C. Univ. Ext. Ext. Circ. 469, 11 p. Mar. 1966. 275.29 N811

J. V. Baird, J. C. Wells, J. M. Falter, W. M. Lewis, and J. C. Rice, joint authors.

HARRIS, J. H. Keep North Carolina beautiful. N. C. Univ. Ext. Ext. Circ. 470, 16 p. Apr. 1966. 275.29 N811

HART, C. A. The drying of wood. N. C. Univ. Ext. Ext. Circ. 471, 24 p. Ref. Apr. 1966. 275.29 N811

SPRUIELL, D. G., and JONES, J. R. Profit with a brood sow and pig program. N. C. Univ. Ext. Ext. Folder 83, rev., 8 p.-folder. Apr. 1966. 275.29 N811Ex

TODD, F. A. Mosaic control in tobacco. N. C. Univ. Ext. Ext. Folder 128, rev., 8 p.-folder. Mar. 1966. 275.29 N811Ex

WORSHAM, A. D., and others. Chemical weed control in cotton. N. C. Univ. Ext. Ext. Folder 178, 24 p. Feb. 1966. 275.29 N811Ex

W. M. Lewis, W. G. Toomey, and R. P. Upchurch, joint authors.

TOOMEY, W. G., and others. Cotton production in North Carolina. N. C. Univ. Ext. Ext. Folder 198, rev., 8 p.-folder. Jan. 1966. 275.29 N811Ex

J. Baird, R. P. Moore, A. D. Worsham, H. Garriss, R. L. Robertson, C. Brooks, J. C. Ferguson, and J. F. Doggett, joint authors.

NORTH CAROLINA UNIVERSITY, EXTENSION SERV. For higher profits go electronic. N. C. Univ. Ext. Folder 243, 6 p. Nov. 1965. 275.29 N811Ex

BLAKE, C. T., and others. Triple "F" forage production. N. C. Univ. Ext. Folder 244, 6 p. Jan. 1966. 275.29 N811Ex

J. G. Clapp, D. S. Chamblee, H. D. Gross, and W. W. Woodhouse, joint authors.

SMALL, H. Soybean varieties and planting suggestions. N. C. Univ. Ext. Folder 248, 8 p. Jan. 1966. 275.29 N811Ex

ROBERTSON, R. L. Wireworm control in tobacco in North Carolina. N. C. Univ. Ext. Ext. Folder 249, 4 p. Mar. 1966. 275.29 N811Ex

NORTH CAROLINA UNIVERSITY, EXTENSION SERV. 1966 North Carolina fertilizer suggestions. N. C. Univ. Ext. Leaflet. 114, rev., 8 p.-folder. Jan. 1966. 275.29 N811L

TODD, F. A. Control black root rot in burley tobacco. N. C. Univ. Ext. Leaflet. 116, 8 p. Mar. 1966. 275.29 N811L

OHIO State University, Cooperative Extension Service, Columbus

BART, G. J., and PARTYKA, R. E. Controlling soil-borne diseases in Ohio nurseries. Ohio State Univ. Ext. Bull. 463, 8 p. Nov. 1965. 275.29 Oh32

HOLDSWORTH, R. P. Control of insects on livestock, poultry, and in barns and poultry houses. Ohio. State Univ. Ext. Bull. 473, 8 p. Feb. 1966. 275.29 Oh32

BARNES, H. M., and SMITH, J. B. Hog cholera free Ohio. Ohio. State Univ. Ext. L-126, 8 p.-folder. 1965? 275.29 Oh32EL

GIST, G. R., and others. Alfalfa and the alfalfa weevil. Ohio. State Univ. Ext. L-130, 4 p., map. Feb. 1966. 275.29 Oh32EL

B. D. Blair, J. R. Staubus, and R. N. Krofta, joint authors.

OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

NICHOLS, C. W. A beef cattle improvement manual. Okla. State Univ. Ext. Circ. E-779, 31 p. Apr. 1966. 275.29 Ok41C

PETERMANN, R., and SULEK, H. Your preschooler at mealtime. Okla. State Univ. Ext. Leaflet. L-138, 6 p.-folder. Apr. 1966. 275.29 Ok41Le

SHIPMAN, J. A. Writing for your newspaper. Okla. State Univ. Ext. Leaflet. L-141, 4 p. Apr. 1966. 275.29 Ok41Le

OREGON State University, Federal Cooperative Extension Service, Corvallis

WARREN, R. Evergreen [*Rubus laciniatus*], Himalaya [*Rubus procerus*], and wild blackberries [*Rubus ursinus*]. Oreg. State Univ. Ext. Bull. 759, rev., 4 p. Feb. 1966. 275.29 Or32B

PENNSYLVANIA State University, Colleges of Agriculture and Home Economics, Extension Service, University Park

CLARKE, W. W. Diseases of bees and their control. Penn. State Univ. Ext. Circ. 527, 13 p. 1966. 275.29 P38C

HAMILTON, L. W. What is your rule for good eating? Penn. State Univ. Ext. Leaflet. 276, 4 p. 1965. 275.29 P38L

GESELL, S. G. Control insect pests on beef cattle safely. Penn. State Univ. Ext. Leaflet. 278, 8 p.-folder. 1966. 275.29 P38L

PENNSYLVANIA STATE UNIVERSITY, COLLEGES OF AGRICULTURE AND HOME ECONOMICS, EXTENSION SERV. Control insect pests on dairy cattle safely. Penn. State Univ. Ext. Leaflet. 279, 8 p.-folder. 1966. 275.29 P38L

COLE, H. Pest control, pesticides, and people. Penn. State Univ. Ext. Spec. Circ. 77, 18 p. 1966. 275.29 P382Sp

SOUTH CAROLINA - Clemson University, Extension Service, Clemson

MILLER, L., and others. Care of ornamental plants. Clemson Univ. Ext. Circ. 430, rev., 26 p. Apr. 1966. 275.29 So8E

J. P. Fulmer, W. C. Nettles, and F. H. Smith, joint authors.

ROGERS, H. V., and others. Soybeans; how to grow more high quality beans. Clemson Univ. Ext. Circ. 501, 4 p., map. Apr. 1966. 275.29 So8E

C. N. Nolan, F. H. Smith, W. C. Nettles, M. C. McKenzie, and C. A. Thomas, joint authors.

NETTLES, W. C., KISSAM, J. B., and ACKERMAN, C. W. Control of insects and mange of swine. Clemson Univ. Ext. Inform. Card 109, rev., 2 p. Apr. 1966. 275.29 So8I

UTAH State University, Agricultural Extension Service, Logan

KNOWLTON, G. F., and DAVIS, D. W. Alfalfa weevil control, 1966. Utah. State Univ. Ext. Entomol. Mimeo Ser. 70, 3 p. Dec. 1965. 275.29 Ut1En

KNOWLTON, G. F. Pesticide safety, a report. Utah. State Univ. Ext. Entomol. Mimeo Ser. 90, 3 p. Mar. 1966. 275.29 Ut1En

KNOWLTON, G. F. Flower garden insect control. Utah. State Univ. Ext. Entomol. Mimeo Ser. 93, 1 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. Interesting facts about entomology. Utah. State Univ. Ext. Entomol. Mimeo Ser. 94, 2 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. Beet leafhopper outlook for 1966, second statement. Utah. State Univ. Ext. Entomol. Mimeo Ser. 96, 1 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. Is it an ant or a termite? To help young 4-H entomologists answer this question. Utah. State Univ. Ext. Entomol. Mimeo Ser. 97, 1 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. Insecticide names. Utah. State Univ. Ext. Entomol. Mimeo Ser. 98, 2 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. House fly control around dairy cows. Utah. State Univ. Ext. Entomol. Mimeo Ser. 99, 2 p. Apr. 1966. 275.29 Ut1En

KNOWLTON, G. F. 4-H entomology—what is it? Utah. State Univ. Ext. Entomol. Mimeo Ser. 100, 1 p. May 1966. 275.29 Ut1En

KNOWLTON, G. F., and DAVIS, D. W. Alfalfa weevil control, 1966. Utah. State Univ. Ext. Leaflet. 54, rev., 5 p.-folder. Mar. 1966. 275.29 Ut1L

KNOWLTON, G. F. Control strawberry root weevils. Utah. State Univ. Ext. Leaflet. 67, rev., 4 p. Mar. 1966. 275.29 Ut1L

KNOWLTON, G. F. Grasshopper control, 1966. Utah. State Univ. Ext. Leaflet. 75, rev., 8 p.-folder. Mar. 1966. 275.29 Ut1L

KNOWLTON, G. F. The face fly, a new pest in Utah. Utah. State Univ. Ext. Leaflet. 115, 5 p.-folder. Mar. 1966. 275.29 Ut1L

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

PAYNE, M. A. Hooked rugs. Va. Polytech. Inst. Ext. Bull. 268, rev., 7 p. Feb. 1966. 275.29 V81B

EPPELSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Coastal Plains Region of Virginia. Va. Polytech. Inst. Ext. Bull. 297, 24 p. Apr. 1966. 275.29 V81B

EPPELSON, G. R., and HAWKINS, G. W. Soil fertility guides for the Piedmont Region of Virginia. Va. Polytech. Inst. Ext. Bull. 298, 33 p. Apr. 1966. 275.29 V81B

ROWELL, J. O. Control the meadow spittlebug. Va. Polytech. Inst. Ext. Circ. 552, rev., 4 p. Jan. 1966. 275.29 V81C

SCHALES, F. D., SCOTT, F. H., and WATTS, A. V. Lima beans and snap beans. Va. Polytech. Inst. Ext. Circ. 680, rev., 4 p. Feb. 1966. 275.29 V81C

WATTS, A. V., SCHALES, F. D., and SCOTT, F. H. Potatoes. Va. Polytech. Inst. Ext. Circ. 700, rev., 3 p. Apr. 1966. 275.29 V81C

SLAYTON, A. R. Virginia 4-H International Farm Youth Exchange; a program for developing peace and understanding throughout the world. Va. Polytech. Inst. Ext. Circ. 756, rev., 12 p.-folder. Mar. 1966. 275.29 V81C

SCHALES, F. D., and MASSEY, P. H. Starting early plants. Va. Polytech. Inst. Ext. Circ. 764,15 p. Dec.1965. 275.29 V81C

LESTER, C. N. Trail riding, 4-H horse and pony project; guide for adult leaders. Va. Polytech. Inst. Ext. Circ. 1002,6 p. Mar.1966. 275.29 V81C

WASHINGTON State University, Extension Service, Pullman

ROBERTS, H. L. Making a jiffy overall patch. Wash. State Univ. Ext. E. M. 357,rev.,2 p. Mar.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control program for insects and other pests of vegetable crops for commercial growers. Wash. State Univ. Ext. E. M. 635, rev.,21 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Personal data sheet—state dress revue information. Wash. State Univ. Ext. E. M. 682,rev.,2 p. Feb.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects on mint. Wash. State Univ. Ext. E. M. 1620,rev.,2 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects on alfalfa grown for seed. Wash. State Univ. Ext. E. M. 1761,rev.,3 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Insects affecting red clover and white clover seed production. Wash. State Univ. Ext. E. M. 1985,rev.,4 p. Jan.1966. 275.29 W27Mi

BRANNON, D. H., and BREakey, E. P. Control of insects and mites of ornamental trees and shrubs. Wash. State Univ. Ext. E. M. 2037, rev.,15 p. Jan.1966. 275.29 W27Mi

GOULD, C. J., MALOY, O. C., and GOSS, R. L. Recommendations for turf disease control, Washington, 1966. Wash. State Univ. Ext. E. M. 2049,rev.,2 p. Apr.1966. 275.29 W27Mi

BRANNON, D. H. Fly control on poultry farms. Wash. State Univ. Ext. E. M. 2087,rev., 6 p. Jan.1966. 275.29 W27Mi

CONE, W. W. Control of insects on grapes. Wash. State Univ. Ext. E. M. 2089,rev.,4 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Scholarships, grants to State 4-H conference, and dairy breed awards. Wash. State Univ. Ext. E. M. 2142,9 p. Dec.1965. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects of blueberries. Wash. State Univ. Ext. E. M. 2167,rev.,4 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects of caneberries: raspberry, loganberry, boysenberry, and blackberry. Wash. State Univ. Ext. E. M. 2168,rev., 5 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects on gooseberries and currants. Wash. State Univ. Ext. E. M. 2169,rev.,3 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects on strawberries. Wash. State Univ. Ext. E. M. 2170,rev., 6 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Insects of home gardens. Wash. State Univ. Ext. E. M. 2192,rev.,9 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Oats, barley, rye, wheat—seed treatment. Wash. State Univ. Ext. E. M. 2193, rev.,2 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects of wheat, oats, barley, rye, sorghums, and peas in storage. Wash. State Univ. Ext. E. M. 2194,rev.,5 p. Jan.1966. 275.29 W27Mi

BRANNON, D. H. Aphid traps. Wash. State Univ. Ext. E. M. 2205,rev.,4 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Control of insects attacking lawns. Wash. State Univ. Ext. E. M. 2234,rev., 3 p. Jan.1966. 275.29 W27Mi

BRANNON, D. H. Livestock pest control. Wash. State Univ. Ext. E. M. 2249,rev.,14 p. Jan.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: sweet cherries. Wash. State Univ. Ext. E. M. 2277,rev.,1 p. Mar.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: Bartlett pears. Wash. State Univ. Ext. E. M. 2290,rev.,2 p. Feb.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Washington State commodity data sheet: pears—non Bartlett. Wash. State Univ. Ext. E. M. 2291,rev.,1 p. Feb.1966. 275.29 W27Mi

PERRYMAN, C. E. The use of credit in agriculture. Wash. State Univ. Ext. E. M. 2609, 20 p. Feb.1966. 275.29 W27Mi

ROBERTS, H. L. Lining a dress skirt. Wash. State Univ. Ext. E. M. 2614,3 p. Mar.1966. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY, EXTENSION SERV. Spray recommendations for tree fruits in eastern Washington. Wash. State Univ. Ext. Bull. 419,rev.,34 p. Jan.1966. 275.29 W27P

WISCONSIN University, College of Agriculture, Extension Service, Madison

WILKINSON, V. Understanding children 1 to 6. Wis. Univ. Ext. Circ. 645,11 p. Oct.1965. 275.29 W75C

WILKINSON, V. Preparing for the added years. Wis. Univ. Ext. Circ. 646,11 p.,map. Dec.1965. 275.29 W75C

KOVAL, C. F. 1966 insect control: vegetable crops. Wis. Univ. Ext. Spec. Circ. 114,rev., 14 p. Mar.1966. 275.29 W75S

Based on research conducted by R. K. Chapman and D. M. Danielson.

WISCONSIN, UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Controlling pantry pests. Wis. Univ. Ext. Spec. Circ. 116, 4 p. Mar.1966. 275.29 W75S

NEWMAN, R. Controlling lawn weeds. Wis. Univ. Ext. Spec. Circ. 118,6 p.-folder. Apr. 1966. 275.29 W75S

REGIONAL PUBLICATIONS

Pacific Northwest Cooperative Series

STRAWN, B. Today's soaps and detergents. PNW (Pacific Northwest Coop. Ext.) Bull. 36, rev.,15 p. Apr.1966. 275.29 W27Pn
Joint publication of the Extension Services of Washington, Oregon, and Idaho.

GATES, D. H., and others. Pacific Northwest range, its nature and use. PNW (Pacific Northwest Coop. Ext.) Bull. 73,28 p.,map. Mar. 1966. 275.29 W27Pn

G. A. Harris, J. Johnson, and R. Samson, joint authors.

Joint publication of the Extension Services of Washington, Oregon, and Idaho; in cooperation with the Pacific Northwest Section, American Society of Range Management.

**FOOD AND AGRICULTURE ORGANIZATION OF THE
UNITED NATIONS**

Includes publications received in the Library during the
preceding month.

AGGARWAL, O. P. Informe al Gobierno del Peru sobre el primer Censo Agropecuario Nacional y el plan de muestreo para la obtención de resultados básicos [Report to the Government of Peru on the first National Agricultural Census and the sampling plan for obtaining the basic results]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 1943,27 p. 1965. 281.9 F733E

CURRENT food additives legislation 90,10 p. Dec.31,1965. 241.64 F732

CURRENT food additives legislation 91,9 p. Jan.31,1966. 241.64 F732

CURRENT food additives legislation 93,9 p. Mar.31,1966. 241.64 F732

FAO LIBRARY list of recent accessions 66(2), 51 p. Feb.1966. 241 F7322

FOOD and agricultural legislation 14(2),49 p. Dec.1965. 389.59 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Amendment to the terms of reference of FAO Technical Advisory Committee on Desert Locust Control and FAO Desert Locust Control Committee. Food Agr. Organ. UN. Counc. CL 44/23,4 p. May 7, 1965. 389.9 F7355

Forty-fourth session, Rome, June 21, 1965.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The economic relationships between grains and rice. Food Agr. Organ. UN. Comm. Bull. Ser. 39,125 p. 1965. 389.9 F735Cs

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Establishment of Desert Locust Control Organization for Eastern Africa (DLCO-EA) within the framework of FAO. Food Agr. Organ. UN. Counc. CL 44/13, 28 p. May 14,1965. 389.9 F3755

Forty-fourth session, Rome, June 21, 1965.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report on the training center and study tour on irrigation and drainage held in the U.S.S.R. (7 August - 17 September 1965). Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 718,153 p. 1957. 281.9 F733E

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. World grain trade statistics: exports by source and destination, 1964/65. 70 p. 286.3599 F733

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. CONSULTATIVE SUB-COMMITTEE ON SURPLUS DISPOSAL. Fourteenth report of CCP. Food Agr. Organ. (Comm. Comm. Probl. Consult. Sub-Comm. Surplus Disposal) CCP/CSD/64/45,15 p. June 22,1964. 389.9 F735Ccp

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COMMITTEE ON COMMODITY PROBLEMS. CONSULTATIVE SUB-COMMITTEE ON SURPLUS DISPOSAL. Present and future position and role of the Sub-Committee. Food Agr. Organ. (Comm. Comm. Probl. Consult. Sub-Comm. Surplus Disposal) CCP/CSD/64/28,4 p. Apr.17,1964. 389.9 F735Ccp

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 16(1),30 p. Jan. 1966. 280.9 F7323

FREEDOM from Hunger 6(37),32 p. July/Aug. 1965. 389.8 F872

FREEDOM from Hunger 6(38),32 p. Sept./Oct. 1965. 389.8 F872

FREEDOM from Hunger 7(40),32 p. Jan./Feb. 1966. 389.8 F872

FREEDOM from Hunger 7(41),32 p. Mar./Apr. 1966. 389.8 F872

HARLAN, A. D. Informe al Gobierno de Guatemala sobre un program de comercializacion de cereales [Report to the Government of Guatemala on a program of grain marketing]. Food Agr. Organ. UN. Expanded Tech. Assistance Program. FAO Rep. 672,26 p. 1957. 281.9 F733E

JACOBY, E. H. Evaluation of agrarian structures and agrarian reform programs, a methodological study. Food Agr. Organ. UN. FAO Agr. Stud. 69,52 p. 1966. 28 F73

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Mechanization of timber conversion sites, by W. Jacob and E. Kubasak. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/160,28 p. 1965. 99.9 F73Fe

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Rationalization of stump extraction, by K. Czereyski, I. Gallinska, and H. Robel. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG/158,29 p. Ref. 1965. 99.9 F73Fe

JOINT COMMITTEE ON FOREST WORKING TECHNIQUES AND TRAINING OF FOREST WORKERS. Report of the third session of the Study Group on a Multilingual Glossary of Forest Work Science, Geneva 17-21 January, 1966. Food Agr. Organ. UN. Europe. Forest. Comm. FAO/ECE/LOG 165,7 p. Jan.1966. 99.9 F73Fe

MONTHLY bulletin of agricultural economics and statistics 15(1),45 p. Jan.1966. 251 F73Mb

MONTHLY bulletin of agricultural economics and statistics 15(2),44 p. Feb.1966. 251 F73Mb

MONTHLY bulletin of agricultural economics and statistics 15(3),48 p. Mar.1966. 251 F73Mb

MONTHLY legislative report 14(12):327-363. Dec.1965. 241 F7323

MONTHLY legislative report 15(1/2),39 p. Jan./Feb.1966. 241 F7323



UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

WASHINGTON 25, D.C.

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE



NATIONAL AGRICULTURAL LIBRARY



1023117073